

**SOUTH PIERSON
WATERFLOOD APPLICATION**

**Home Oil Company Limited
Scurry-Rainbow Oil Limited
February, 1993**

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-22

Province of Manitoba
Department of Energy and Mines
Room 309, Legislative Building
450 Broadway Avenue
Winnipeg, Manitoba
R3C 0V8

ATTENTION: Mr. L.R.Dubreuil
Director, Petroleum Branch

RE: South Pierson Waterflood Application

Home Oil Company Limited as Operator of the subject area, in accordance with the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry under Enhanced Recovery Operations, Item 126, Drilling and Production Section, hereby applies to inject produced water into the Lower Amaranth and Mission Canyon formations.

The purpose of injecting produced water is to maintain reservoir pressure in order to increase oil recovery in the specified area. A test well at 16-08-002-29 W1M has been on injection since October, 1992 and preliminary results indicate that a waterflood will be both technically and economically successful. Tests are currently being done to further evaluate the wells injection capability, however Home Oil is confident that the South Pierson area can support a waterflood.

Home Oil is sending the attached application for your perusal and intends to meet with the Crown to discuss its contents early in March, 1993. Home Oil has initiated preliminary Unitization proceedings and plans to have the waterflood area unitized by September, 1993.

If you require further information, please contact me at (403) 232-7370 or Eugene Doherty at (403) 232-7376.

Sincerely,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
Coordinator, Southern Production

ELD/ed
ATTACH.

SOUTH PIERSON
WATERFLOOD APPLICATION

HOME OIL COMPANY LIMITED
SCURRY-RAINBOW OIL LIMITED
February, 1993

WATERFLOOD APPLICATION

South Pierson, Phase 1 Spearfish (Lower Amaranth)/Mission Canyon (Mississippian) Formations

The following is submitted in accordance with the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry. In particular, under **Enhanced Recovery Operations** Item 126, Drilling and Production section. These requirements are to supplement the application to waterflood the above noted area:

126(a)(i) - Map indicating the scheme area

A map indicating the proposed Phase 1 as well as future Phase 2 areas is given in Appendix 'A'.

126(a)(ii) - Mineral rights owners, lessees and surface owners within and adjoining the scheme area

A list complete with names and addresses is given in Appendix 'B'.

126(a)(iii) - Status and zone completion of each well within and adjoining the scheme area

Status of all the wells within and immediately adjoining the scheme area are given in Appendix 'C'. Note the completion status of each well is given in the 'Perforations' section of Home Oil's Daily Well Reporting System report (provided) for each well.

126(a)(iv) - Interpreted pool boundaries and structure map

A map indicating the 'C' sand structure is shown in Appendix 'D', Figure D-1. Maps of porosity height, gross pay and net pay are given as Figures D-2 to D-4 respectively. The interpreted pool boundary is assumed to be the waterflood area as indicated in each of the figures. Home Oil recognizes that the pool extends past the waterflood area. Parts of the remaining pool area may be part of an expansion of the waterflood in the future as Phase 2 as indicated in the Appendices.

126(a)(v) - Pore volume and permeability capacity for each pool included in the scheme

Maps giving the pore volume and permeability capacity are shown in Appendix 'E'.

126(b) - Schematic of the wellbore cross section and completion method

Please refer to the Salt Water Disposal Application, Appendix 'H' submitted by Home Oil Company Limited/Scurry in July, 1992.

126(d) - Notification of Operator's intentions to surface owners

A copy of the notification letter to each of the surface owners is given in Appendix 'F'.

126(e) - Surface Injection Facility Description

Please refer to the Salt Water Disposal Application, Appendix 'E' submitted by Home Oil Company Limited/Scurry in July, 1992.

126(f)(i) - Corrosion Control

Please refer to the Salt Water Disposal Application, Appendix 'G' submitted by Home Oil Company Limited/Scurry in July, 1992.

126(f)(ii) - Source and conditioning of fluid and compatibility with rock and water of the formation into which it is injected

The water to be injected into the waterflood will be produced water from the Spearfish and Mission Canyon formations. Since the injected fluids will be water taken from the same formation, no compatibility study between the water and the formation is necessary.

126(f)(iii) - Injection Water Treatment Program

Please refer to the Salt Water Disposal Application, Appendix 'G' submitted by Home Oil Company Limited/Scurry in July, 1992.

126(f)(iv) - Measurement

The produced water will be directed to each of the water injection wells where it will be measured. A group measurement at the discharge of the pumps will also be taken. A measurement will also be taken of the water taken from the source well. All measurement equipment will be located at the 14-09 central facility.

126(g)(i) - Original Oil in Place

An update of the original oil in place is given in Appendix 'G', Table G-1.

126(g)(ii) - Recoveries

Predicted recoveries under both primary and secondary recovery are given in Appendix 'G', Table G-1. Please also refer to the May, 1992 Waterflood Study by C.W.Labelle and J.S.Murray for detailed calculations.

126(g)(iii) - Injection Wells, Injection Rates and Well Head Pressures

A list of all the injector conversions is given in Appendix 'H', Table H-1 and are shown in Figures H-1 to H-3 as well. The wells at 16-08 and 06-04-002-29 W1M are currently on injection. Because the waterflood is being developed on a 5 spot pattern basis, the injector to producer ratio is one to one. Therefore injection rates will be maintained at what ever the current production rates are. In cases where there is Mississippian oil contribution and the injector is known to be in communication with the Mississippian formation, injection rates will be increased accordingly in order to maintain a voidage replacement ratio within the Lower Amaranth of 1.0. Wellhead pressures will be kept at approximately 85% of the estimated fracture pressure of 18,000 kPa which equates to a sandface injection pressure of 15,300 kPa.

126(g)(iv) - Estimated Production Rates, GOR, WOR and WGR

Table H-2 gives the production forecast for South Pierson until 2031. Total production anticipated from the waterflood area is expected to be $1,038 \times 10^3 \text{m}^3$ and closely matches Home Oil's current booked reserves of $1,026 \times 10^3 \text{m}^3$. Since the waterflood will begin before the bubble point is reached, it is assumed that the GOR will remain constant. Also, from the waterflood model, there is no water breakthrough until most of the recovery has been completed. This is due to the very water wet nature of the reservoir and therefore the waterflood fronts behave in a piston-like manner. The reservoir will produce mostly free water until breakthrough at which time the watercuts will dramatically increase and the reservoir will be depleted. Therefore the WOR is assumed to increase only marginally until breakthrough, at which time the reservoir is considered to be fully depleted. A production forecast for the waterflood area under primary depletion is given in the May, 1992 Waterflood Study by C.W.Labelle and J.S.Murray.

126(g)(v-vii)

The above information is contained in the May, 1992 Waterflood Study by C.W.Labelle and J.S.Murray. Please refer to this study for the information required in this section of the Application requirements.

126(h)(i) - Injection Start Dates and Reservoir Withdrawal Replacement

Injection will commence once the Unitization proceedings are finalized and the Crown has given its approval (expected in August). Injection into specific wells will begin once the well is converted from a producer to an injector. Please refer to Table H-1 for the proposed timing for each injector conversion.

126(h)(ii) - Channeling Prevention and Maximizing Sweep Efficiencies

Please refer to the May, 1992 Waterflood Study for the above information.

126(h)(iii) - Waterflood Reservoir Pressure

Home Oil will maintain a reservoir pressure equal to or greater than the bubble point pressure of 7,500 kPa.

126(i) - Additional Information

Included in Appendix 'H' is a proposed development schedule for Phase 1 and a probable development schedule for Phase 2. Also given is an update on the progression of Unitization proceedings.

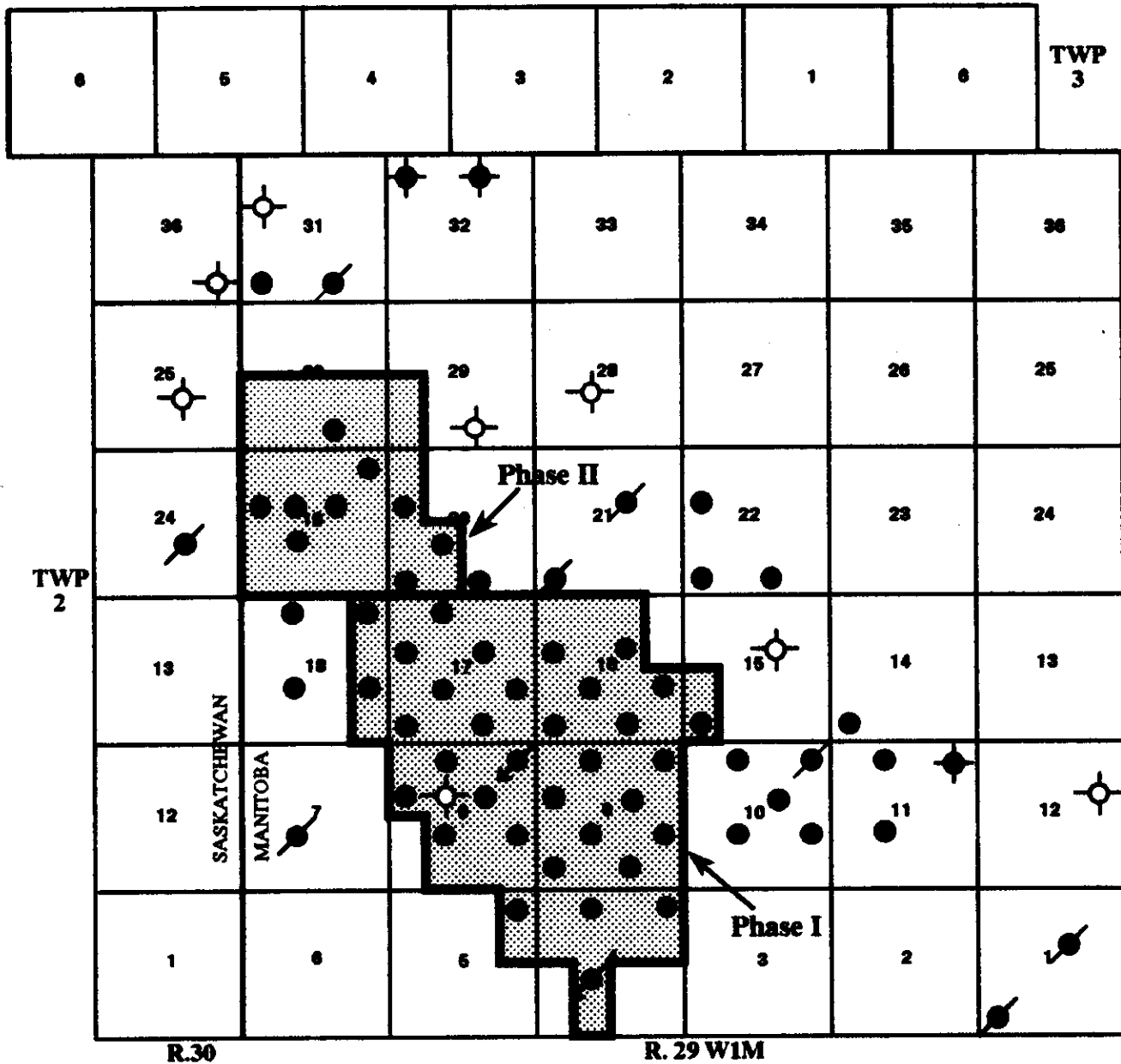
APPLICATION SUPPORT DATA

South Pierson
Waterflood Application
February, 1993

APPENDIX 'A'

South Pierson
Waterflood Application
February, 1993

SOUTH PIERSON WATERFLOOD AREAS



APPENDIX 'B'

South Pierson
Waterflood Application
February, 1993

**TABLE B-1
MINERAL RIGHTS HOLDERS**

Martinovsky, Kathleen L.	Box 1 Gerald, Sask. S0A 1B0	ptn SE36-1-29 W1M sec 1-2-29 W1M
Glinz, Norman	Box 78, Route #2 Bottineau, North Dakota 58318	NW36-1-29 W1M NE1-2-29 W1M
Dressler, Gerald Ralph	1116 Rosser Avenue Brandon, Manitoba R7A 0L3	SW1-2-29 W1M
Kearns, Kevin Marcus	6215 North 31st Drive Phoenix, Arizona 85017	SW1-2-29 W1M
South West Oil Limited	Box 855 Melita, Manitoba R0M 1L0	NW1-2-29 W1M
Crossman Petroleums Ltd.	Box 212 Pierson, Manitoba R0M 1S0	N2,SW10,NW10 & ptn sec 15-2-29 W1M
Klimosko, Donald and Janet	268 Edgebank Circle N.W. Calgary, Alberta T3A 4W1	NE3-2-29 W1M
Raymond, Terry and Carol	RR #2 Cochrane, Alberta T0L 0W0	NE3-2-29 W1M
Troy Oils Ltd.	#705, 805 8th Avenue S.W. Calgary, Alberta T2P 1H7	NE3-2-29 W1M
Manitoba Crown Lease L 861-693		N4-4-29 W1M
Kielhorn, Kevin Paul	111 Youville Street Winnipeg, Manitoba R2H 2R9	SE5-2-29 W1M
Kielhorn, Robert Henry	15495 Madrona Drive Surrey, B.C. V4A 5N2	SW5-2-29 W1M
Smith, Estate of Doris Amanda	General Delivery Pierson, Manitoba R0M 1S0	NE5-2-29 W1M

Hart, George Douglas	#25, 366 94 Avenue S.E. Calgary, Alberta T2J 5P1	NW5 & NE6-2-29 W1M
Nicoll, Charles Thom	Box 246 Treherne, Manitoba R0G 2V0	sec 7-2-29 W1M
Nicoll, William John	713 Poplar Bay Portage La Prairie, Manitoba R1N 3K4	sec 7-2-29 W1M
Botterill, Isabelle Edna	Box 610 Portage La Prairie, Manitoba R1N 3B9	sec 7-2-29 W1M
McMillan, Ehtel May	152 4 Street N.E. Portage La Prairie, Manitoba R1N 1L6	sec 7-2-29 W1M
Culbert, Margaret Ann	General Delivery Rossendale, Manitoba R0H 1C0	sec 7-2-29 W1M
McLeod, Mary F.	Apt 219, 4318 53 Street Camrose, Alberta T4V 4G3	sec 7-2-29 W1M
Manitoba Crown lease L 861-696		S8-2-29 W1M
Montreal Trust Company of Canada	411 8th Avenue S.W. Calgary, Alberta T2P 1E7	NE8-2-29 W1M
Boyd, Isabelle	Box 248 Pierson, Manitoba R0M 1S0	NE8-2-29 W1M
Boyd, Patricia Ann	2520 Renzoni Road Mississauga, Ontario L5K 1W9	NW8-2-29 W1M
Allison, Carolyn Beth	Box 96 Elkhorn, Manitoba R0M 1S0	NW8-2-29 W1M

Amoco Canada Petroleum	Box 200, Station "M" Calgary, Alberta T2P 2H8	SW9, SE 10, NE17 & S19-2-29 W1M
Kielhorn, Robert Henry	15495 Madrona Drive Surrey, B.C. V4A 5N2	S9-2-29 W1M
Kielhorn, John Graham	13619 Klamath Drive Houston, Texas 77041 USA	N9-2-29 W1M
Murray, John	Box 3 Pierson, Manitoba ROM 1S0	SE10-2-29 W1M
Manitoba Crown Lease L 851-528		NE10-2-29 W1M
Manitoba Crown Lease L 862-771		SW11-2-29 W1M
Manitoba Crown Lease L 862-770		NW11-2-29 W1M
Manitoba Crown Lease L 862-772		SW14-2-29 W1M
Robvest Minerals	c/o Terence Daniels General Delivery Pierson, Manitoba ROM 1S0	ptn sec 15-2-29 W1M
A/C Estate of Lovell Gough Stevens Account 558811	c/o Royal Trust Corporation of Canada Box 748 Winnipeg, Man R3C 2M2	ptn section 15-2-29 W1M
Manitoba Crown Lease L 851-529		sec 16-2-29 W1M
Southham, D.D. and I.M.	Box 243 Melita, Manitoba ROM 1L0	SE17 & SW17-2-29 W1M
Home Oil Company Limited	1600, 324 8th Avenue S.W. Calgary, Alberta T2P 2Z5	S17-2-29 W1M

Campbell Oil Properties	Box 84 Pierson, Manitoba R0M 1S0	Lsd 12 and 13 of sec 17 and NE17-2- 29 W1M
Manitoba Crown Lease L 861-697		SE18-2-29 W1M
Wang Oil Properties	C/O Wilfred Wang General Delivery Pierson, Manitoba R0M 1L0	SW18-2-29 W1M
Eikanger Minerals Ltd.	Box 252 Pierson, Manitoba R0M 1S0	NE18-2-29 W1M
Manitoba Crown Lease L 861-698		NW18-2-29 W1M
Silker, Donald and Hagerty, Edward	Route 2, Box 245 Hector, Minn 55342 USA	N19-2-29 W1M
Silker, Donald	Route 2, Box 245 Hector, Minn 55342 USA	N19-2-29 W1M
Silker, Neil Robert	2410 Redleaf Court Window, Minn USA 56101	N19-2-29 W1M
Flueher, Patricia Ann	Route #2 Buffalo Lake, Minn USA 55314	N19-2-29 W1M
Manitoba Crown Lease L 851-530		S & NW 20-2-29 W1M
Kielhorn, Paul and Freberg, Harold Edwin	310 Tenant Crescent Saskatoon, Sask S7H 4Y8	N & SE21-2-29 W1M
Lee, Kenneth James	Box 35 Pierson, Manitoba R0M 1S0	SW21-2-29 W1M
Salvation Army	c/o Pollock & Co. Attention: Harvey Pollock 1610 155 Carleton Street Winnipeg, Manitoba R3C 3H8	sec 30-2-29 W1M
Mayes, Leona Ilene	Box 41 Pierson, Manitoba R0M 1S0	S31 & NE31-2-29 W1M

Madril Oil Royalties	c/o Sandy Drier Box 93 Pierson, Manitoba ROM 1S0	S31-2-29 W1M
Mayes, Ronald La Verne	c/o Sandy Drier Box 93 Pierson, Manitoba ROM 1S0	NE31-2-29 W1M
Drier, Sany Frederick	Box 93 Pierson, Manitoba ROM 1S0	NE31-2-29 W1M

**TABLE B-2
LESSEES**

Home Oil Company Limited	Martinovsky, Kathleen L.	Box 1 Gerald, Sask. S0A 1B0	ptn SE36-1-29 W1M sec 1-2-29 W1M
Home Oil	Glinz, Norman	Box 78, Route #2 Bottineau, North Dakota 58318	NW36-1-29 W1M NE1-2-29 W1M
Home Oil	Dressler, Gerald Ralph	1116 Rosser Avenue Brandon, Manitoba R7A 0L3	SW1-2-29 W1M
Home Oil	Kearns, Kevin Marcus	6215 North 31st Drive Phoenix, Arizona 85017	SW1-2-29 W1M
Home Oil	South West Oil Limited	Box 855 Melita, Manitoba R0M 1L0	NW1-2-29 W1M
Home Oil	Crossman Petroleum Ltd.	Box 212 Pierson, Manitoba R0M 1S0	N2,SW10,NW10 & ptn sec 15-2-29 W1M
Home Oil	Klimosko, Donald and Janet	268 Edgebank Circle N.W. Calgary, Alberta T3A 4W1	NE3-2-29 W1M
Home Oil	Raymond, Terry and Carol	RR #2 Cochrane, Alberta T0L 0W0	NE3-2-29 W1M
Home Oil	Troy Oils Ltd.	#705, 805 8th Avenue S.W. Calgary, Alberta T2P 1H7	NE3-2-29 W1M
Home Oil	Manitoba Crown Lease L 861-693		N4-4-29 W1M
Home Oil	Kielhorn, Kevin Paul	111 Youville Street Winnipeg, Manitoba R2H 2R9	SE5-2-29 W1M
Home Oil	Kielhorn, Robert Henry	15495 Madrona Drive Surrey, B.C. V4A 5N2	SW5-2-29 W1M

Home Oil	Smith, Estate of Doris Amanda	General Delivery Pierson, Manitoba ROM 1S0	NE5-2-29 W1M
Home Oil	Hart, George Douglas	#25, 366 94 Avenue S.E. Calgary, Alberta T2J 5P1	NW5 & NE6-2-29 W1M
Home Oil	Nicoll, Charles Thom	Box 246 Treherne, Manitoba R0G 2V0	sec 7-2-29 W1M
Home Oil	Nicoll, William John	713 Poplar Bay Portage La Prairie, Manitoba R1N 3K4	sec 7-2-29 W1M
Home Oil	Botteril l, Isabelle Edna	Box 610 Portage La Prairie, Manitoba R1N 3B9	sec 7-2-29 W1M
Home Oil	McMillan , Ehtel May	152 4 Street N.E. Portage La Prairie, Manitoba R1N 1L6	sec 7-2-29 W1M
Home Oil	Culbert, Margaret Ann	General Delivery Rossendale, Manitoba R0H 1C0	sec 7-2-29 W1M
Home Oil	McLeod, Mary F.	Apt 219, 4318 53 Street Camrose, Alberta T4V 4G3	sec 7-2-29 W1M
Home Oil	Manitoba Crown lease L 861-696		S8-2-29 W1M
Home Oil	Montreal Trust Company of Canada	411 8th Avenue S.W. Calgary, Alberta T2P 1E7	NE8-2-29 W1M
Home Oil	Boyd, Isabelle	Box 248 Pierson, Manitoba ROM 1S0	NE8-2-29 W1M

Home Oil	Boyd, Patricia Ann	2520 Renzoni Road Mississauga, Ontario L5K 1W9	NW8-2-29 W1M
Home Oil	Allison, Carolyn Beth	Box 96 Elkhorn, Manitoba R0M 1S0	NW8-2-29 W1M
Home Oil	Amoco Canada Petroleum m	Box 200, Station "M" Calgary, Alberta T2P 2H8	SW9,SE 10,NE17 & S19-2-29 W1M
Home Oil	Kielhorn , Robert Henry	15495 Madrona Drive Surrey, B.C. V4A 5N2	S9-2-29 W1M
Home Oil	Kielhorn , John Graham	13619 Klamath Drive Houston, Texas 77041 USA	N9-2-29 W1M
Home Oil	Murray, John	Box 3 Pierson, Manitoba R0M 1S0	SE10-2-29 W1M
Home Oil	Manitoba Crown Lease L 851-528		NE10-2-29 W1M
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Home Oil	Manitoba Crown Lease L 862-770		NW11-2-29 W1M
Home Oil	Manitoba Crown Lease L 862-772		SW14-2-29 W1M
Home Oil	Robvest Minerals	c/o Terence Daniels General Delivery Pierson, Manitoba R0M 1S0	ptn sec 15-2-29 W1M

Home Oil	A/C Estate of Lovell Gough Stevens Account 558811	c/o Royal Trust Corporation of Canada Box 748 Winnipeg, Man R3C 2M2	ptn section 15-2-29 W1M
Home Oil	Manitoba Crown Lease L 851-529		sec 16-2-29 W1M
Home Oil	Southham, D.D. and I.M.	Box 243 Melita, Manitoba R0M 1L0	SE17 & SW17-2-29 W1M
Home Oil	Home Oil Company Limited	1600, 324 8th Avenue S.W. Calgary, Alberta T2P 2Z5	S17-2-29 W1M
Home Oil	Campbell Oil Properties	Box 84 Pierson, Manitoba R0M 1S0	Lsd 12 and 13 of sec 17 and NE17-2-29 W1M
Home Oil	Manitoba Crown Lease L 861-697		SE18-2-29 W1M
Home Oil	Wang Oil Properties	C/O Wilfred Wang General Delivery Pierson, Manitoba R0M 1L0	SW18-2-29 W1M
Home Oil	Eikanger Minerals Ltd.	Box 252 Pierson, Manitoba R0M 1S0	NE18-2-29 W1M
Home Oil	Manitoba Crown Lease L 861-698		NW18-2-29 W1M
Home Oil	Silker, Donald and Hagerty, Edward	Route 2, Box 245 Hector, Minn 55342 USA	N19-2-29 W1M
Home Oil	Silker, Donald	Route 2, Box 245 Hector, Minn 55342 USA	N19-2-29 W1M

Home Oil	Silker, Neil Robert	2410 Redleaf Court Window, Minn USA 56101	N19-2-29 W1M
Home Oil	Flueher, Patricia Ann	Route #2 Buffalo Lake, Minn USA 55314	N19-2-29 W1M
Home Oil	Manitoba Crown Lease L 851-530		S & NW 20-2-29 W1M
Home Oil	Kielhorn , Paul and Freberg, Harold Edwin	310 Tenant Crescent Saskatoon, Sask S7H 4Y8	N & SE21-2-29 W1M
Home Oil	Lee, Kenneth James	Box 35 Pierson, Manitoba R0M 1S0	SW21-2-29 W1M
Home Oil	Salvatio n Army	c/o Pollock & Co. Attention: Harvey Pollock 1610 155 Carleton Street Winnipeg, Manitoba R3C 3H8	sec 30-2-29 W1M
Home Oil	Mayes, Leona Ilene	Box 41 Pierson, Manitoba R0M 1S0	S31 & NE31-2-29 W1M
Home Oil	Madril Oil Royalties	c/o Sandy Drier Box 93 Pierson, Manitoba R0M 1S0	S31-2-29 W1M
Home Oil	Mayes, Ronald La Verne	c/o Sandy Drier Box 93 Pierson, Manitoba R0M 1S0	NE31-2-29 W1M
Home Oil	Drier, Sany Frederic k	Box 93 Pierson, Manitoba R0M 1S0	NE31-2-29 W1M

**TABLE B-3
SURFACE OWNERS**

Mcmechan, Anthony Lyle	Box 201 Pierson, Manitoba ROM 1S0	ptn SW1, E7 & NE16- 2-29 W1M
Bird, Willian Prescott	Box 23 Lyleton, Manitoba ROM 1S0	ptn NE1-2-29 W1M
Hammell, John	Box 102 Pierson, Man ROM 1S0	NW3 & W4-2-29 W1M
Hammell, Albert	Box 102 Pierson, Man ROM 1S0	ptn NE3 & NE4-2-29 W1M
Smith, Doris Amanda Estate of	Box 122 Pierson, Man ROM 1S0	ptn NE5-2-29 W1M
Wang, Ralph John	Box 104 Pierson, Man ROM 1S0	ptn SW7-2-29 W1M
Wildlife Branch	Box 24, 1495 St. James Street Winnipeg, Man R3H 0W9	NE & S8-2-29 W1M
Southam, David James	Box 14 Pierson, Man ROM 1S0	pth NW8-2-29 W1M
Hammell, Larry Alan	Box 2 Pierson, Man ROM 1S0	ptn S9-2-29 W1M
Kielhorn, John Graham	13619 Klamath Falls Drive Houston, Texas 77041	ptn N9-2-29 W1M
Murray, John	Box 3 Pierson, Manitoba ROM 1S0	ptn SE10 & SW11-2- 29 W1M
Crossman, Glen Howard	Box 149 Pierson, Man ROM 1S0	ptn SW10-2-29 W1M
Crossman, Francis George	Box 212 Pierson, Man ROM 1S0	ptn N10 & SE20-2-29 W1M

Daniels, Neale and Diane	Box 26 Pierson, Man ROM 1S0	ptn NW11 -2-29 W1M
Daniels, Robert W.	Box 26 Pierson, Man ROM 1S0	ptn SW 14-2-29 W1M
Daniels, K.R. and Douglas, G.	Box 21 Site 250, RR1 Brandon, Manitoba R7A 5H1	ptn SW15-2-29 W1M
Southam, Douglas David	Box 243 Melita, Man ROM 1L0	ptn SE 16-2-29 W1M
Murray, Gordon Edward	Box 134 Pierson, Manitoba ROM 1S0	ptn SW16-2-29 W1M
Lee, George Allan	Box 92 Pierson, Man ROM 1S0	ptn NW16-2-29 W1M
Southam, D.D. & I.M.	Box 128 Melita, Man ROM 1L0	ptn SW 17 & SE17-2-29 W1M
Riddell, Gregory & Brenda	Box 253 Pierson, Man ROM 1S0	ptn S6 & NE 17-2-29 W1M
Campbell, John Peter	Box 84 Pierson, Man ROM 1S0	ptn NW17-2-29 W1M
Wang, Ralph John	Box 104 Pierson, Man ROM 1S0	ptn N6 & SE18-2-29 W1M
Wang, Wilfred L.	Box 146 Pierson, Man ROM 1S0	ptn SW 18-2-29 W1M
Eikanger, Linda Jean	Box 155 Pierson, Man ROM 1S0	ptn NE-2-29 W1M
Wang, Dwain Laverne	Box 146 Pierson, Man ROM 1S0	ptn NW18-2-29 W1M
Mayes, Gordon Wesley	Box 157 Pierson, Man ROM 1S0	ptn SW 19-2-29 W1M

Fournie, Charles Foster	Box 899 Melita, Man ROM 1L0	ptn NW &NE19-2-29 W1M
Barnes, Terry King	Box 281 Gainsborough, Sask SOC 0Z0	ptn SW 20-2-29 W1M
McMechan, Lionel	Box 34 Lyleton, Man ROM 1G0	ptn NW20-2-29 W1M
Lee, Kenneth James	Box 35 Pierson, Man ROM 1S0	ptn SW21-2-29 W1M
Brendsel, Norman and Audrey	Box 22 Max Bass, North Dakota USA 58760	ptn NE21-2-29 W1M

APPENDIX 'C'

South Pierson
Waterflood Application
February, 1993

PGM: NW20100
PERIOD: 08

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:38:14
PAGE: 1

FILE NOTE: S.PIER 90-076

WELL NAME: HOME/SCURRY S. PIERSON 6-4-2-29
WELL LOCATION: LSD 06, SEC 04, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 475.28
GRD - 471.13
DEPTHS: TD - 1090.00
PBTD - 1083.10
SURFACE CASING: 13 JOINTS, 219.3 MM, 35.7 KG/M, K-55, ST&C, 128.0 M
CEMENTED WITH: 15.0 TONNES "G", 2.5 M3 RETURNS,
LEAD: 0:1:0 + 3.00% CALC2
LANDED AT: 128.0 M
INTERMEDIATE CASING: NO INTERMEDIATE CASING
PRODUCTION CASING: 84 JOINTS, 139.7 MM, 20.8 KG/M, K55, ST&C, 1090.0 M
CEMENTED WITH: 24.0 TONNES "G", M3 RETURNS,
LEAD: 1:1:4 + .50% FRC-1
TAIL: 9.0 TONNES "G", 2.5 M3 RETURNS,
0:1:0 + 3.00% CALC
LANDED AT: 1090.0 M
SITE CASING PATCH 1025.9 TO 1038.6 M, MIN ID 107.9 M
WELLHEAD: CASING BOWL : CROWN TYPE H 228.6 MM X 219.3 MM 14 MPA
CB SIDE VALVES : 50.8 MM L.P. C/W STANDARD SURFACE VENT ASSEMBLY
TUBING HEAD : OCT T-16 179.4 MM X 228.6 MM X 14 MPA
TH SIDE VALVES : WKM 52.4 MM X 50.8 MM LP GATE VALVE 14 MPA EACH SIDE
TH FLANGE : OCT 179.4 MM 14 MPA X 52.4 MM F.E. 14 MPA
MASTER VALVE : BARTON 52.4 MM F.E. 14 MPA IMPREGLOINED
FLOW TEE : 52.4 MM F.E. 14 MPA C/W 60.3 MM PICK-UP THREADS
WING VALVE : BARTON 52.4 MM F.E. 14 MPA IMPREGLOINED

PGM: NW20100
PERIOD: 08

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:38:14
PAGE: 2

HOME/SCURRY S. PIERSON
06 04-002-29 W1

6-4-2-29

FILE NOTE: S.PIER 90-076

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	60.3 MM ELDER PUMP OUT SUB (SHEARED)		1064.35
4	60.3 MM 6.99 KG/M J-55 EUE TK-99 INTERNALLY COATED TUBING WITH NEW SHAMROCK SEALS. (BEVELLED COLLARS)	38.73	1025.62
1	60.3 MM ELDER DOUBLE-BALL STAINLESS STEEL CHECK VALVE	.37	1025.25
1	60.3 MM X 139.7 MM ELDER SUR-LOK PACKER	1.09	1023.07
1	60.3 MM ELDER ON/OFF CONNECTOR C/W 45.97MM BAKER F PROFILE, STAINLESS STEEL COATED	.87	
105	60.3 MM 6.99 KG/M J-55 EUE TK-99 INTERNALLY COATED TUBING WITH NEW SHAMROCK SEALS (TOP 13 NEW TBG)	1015.04	8.03
1	NEW 60.3 MM X 2.44 M J-55 EUE TK-99 INTERNALLY COATED PUP JOINT WITH NEW SHAMROCK SEAL	2.44	5.59
1	NEW 60.3 MM X 1.86M J-55 EUE TK-99 INTERNALLY COATED PUP JOINT WITH NEW SHAMROCK SEAL KB CORRECTION	1.86 3.73	3.73

NOTE: TOOL FUNCTION (-0.25 M) & TENSION
FOR 4500 DAN (TO .25) CANCELL EACH
OTHER.

TUBING BOTTOM AT: 1064.55
TUBING HUNG FROM: TBG BONNET THREADS IN: 4500 DAN TENSION
DATE RAN : 90/05/03

ROD STRING:

NO ROD STRING IN HOLE

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
88/03/23	GAMMA RAY/COLLAR LOG	1000.00 - 1082.00	JET PERFORATORS
87/01/12	CEMENT BOND	-	SCHLUMBERGER
86/11/11	DUAL INDUCTION LATEROLOG	-	SCHLUMBERGER
86/11/11	COMP. NEUTRON-LITHO-DENS.	-	SCHLUMBERGER
86/11/11	AUXILIARY MEASUREMENT	-	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	86/11/10	1020.00 - 1038.00	18.00	18.00	SPRF	SPEARFISH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
87/01/27	1028.50 - 1036.00	SPEARFISH	HSC	101	CASING PATCH	13	COMP. NEUT
88/03/23	1069.00 - 1073.00	MISSISSIPPIAN	HSC	CASING 102	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

PGM: NW20100

PERIOD: 08

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:38:14
PAGE: 3

FILE NOTE: S.PIER 90-076

6-4-2-29

HOME/SCURRY S. PIERSON
06-04-002-29 W1

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-70.0	545.0		SH
BFS	BASE OF FISH SCALES	-159.0	632.0		SH
MNVL	MANNVILLE	-219.0	695.0		SS & SH
JRSC	JURASSIC	-320.0	798.0		SH
AMRN	AMARANTH	-488.0	968.0		SH & EVAPORITES
SPRF	SPEARFISH	-521.0	996.0	X	SH, SILT, SS
MSSP	MISSISSIPPIAN	-558.0	1043.0		LS, DOL, ANHYDRITE
FTD	F.T.D.	-610.0	1090.0		

RESERVOIR:

PAY ZONE: MISSISSIPPIAN
PRESSURE: 8240 KPA
TEMP.: 44 C

88/04/27 FALL-OFF TEST
88/04/27 FALL-OFF TEST

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 08

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:38:14
PAGE: 4

FILE NOTE: S. PIER 90-076

HOME/SCURRY S. PIERSON
06-04-002-29 w1

6-4-2-29

HISTORY:

DIRECTIONS TO LEASE:

FROM TOWN OF PIERSON 8 KM SOUTH, 1.6 KM WEST, 2.8 KM SOUTH,
0.8 KM WEST, NORTH TO LOCATION.

1986-11-07 DRILLED TO 1090 M. RIG RELEASED 86-11-12.

1987-01-12 BOND LOG.

1987-01-25 INITIAL COMPLETION. PERFORATED SPEARFISH.
WASHED AND SQUEEZED 1500 L 15% HCL. SAND
FRAC WITH POLYEMULSION (NOWSCO). PRESSURE
BUILD-UP. INSTALLED ARTIFICIAL LIFT.

1987-11-17 PULLED ROD STRING. WELL SUSPENDED.

1988-03-11 CONVERT TO WATER DISPOSAL. CEMENT SQUEEZED
SPEARFISH. PERFORATED MISSISSIPPIAN. ACIDIZED
WITH SELECTIVE TOOL. REACIDIZED WITH 5000 L 28%
HCL WITH DIVERTOR. PERFORMED INJECTION TEST WITH
FALLOFF TEST. RAN 60.3 MM INTERNALLY COATED (TK99)
TUBING STRING.

1988-11-15 PULL INJECTION STRING. RUN 73 MM FRAC STRING.
ACID FRAC WITH 23 M3 28% HCL. RE-RUN INJECTION
STRING.

1989-10-02 REPAIR TUBING LEAK. POH TUBING & CONDUCT HOLIDAY
INSPECTION, NO LEAK FOUND. RE-RUN TUBING, INSTALLED
CHECK VALVE BELOW PACKER & ON/OFF ASSEMBLY. LANDED
PACKER LOWER.

1990-04-23 REPAIR CASING LEAK. FOUND FORMERLY SQUEEZED
SPEARFISH PERFS WERE LEAKING & ALLOWING
PRESSURE COMMUNICATION FROM MISSISSIPPIAN.
SET SITE CASING PATCH OVER SPEARFISH PERFS.
RE-LANDED INJECTION PACKER ABOVE PATCH.

FILE NOTE:

WELL NAME: HOME/SCURRY S. PIERSON 14-4-2-29
WELL LOCATION: LSD 14, SEC 04, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB = 476.96
GRD = 472.06
DEPTHS: ID = 1097.00
PBTD = 1036.80 BP CAPPED W/ CMT
SURFACE CASING: 11 JOINTS, 219.1 MM, 35.7 KG/M, J55 , 147.6 M
CEMENTED WITH:
LEAD: 18.0 TONNES "G ", .5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 144.0 M
INTERMEDIATE CASING: NO INTERMEDIATE CASING
PRODUCTION CASING: 87 JOINTS, 139.7 MM, 20.8 KG/M, J55 , 1099.4 M
CEMENTED WITH:
LEAD: 19.6 TONNES "G ", 1.2 M3 RETURNS,
1:1:4 + .50% T-10
TAIL: 11.7 TONNES "G ", M3 RETURNS,
0:1:0 + .90% NFL-3 + 1.00% SPC
LANDED AT: 1097.0 M
CEMENT TOP AT: .1 M
WELLHEAD: CASING BOWL : 228.6 MM X 14 MPA X 219.1 MM
CB SIDE VALVES : 50.8 MM SURFACE CASING VENT ASSY, OTHER SIDE BULL PLUG
TUBING HEAD : O.C.T. 228.6 MM X 179.4 MM X 14 MPA X 139.7 MM
1H SIDE VALVES : 50.8 MM L.P. X 14 MPA WKM GATE VALVES EACH SIDE
TH FLANGE : 179.4 MM X 14 MPA X 73 MM EUE PIN X 73 EUE SUSP
MASTER VALVE : }
FLOW TEE : } STANDARD PUMPING STYLE 73 MM EUE X 31.8 MM
WING VALVE : }

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:39:23
PAGE: 2

FILE NOTE:

HOME/SCURRY S. PIERSON
14-04-002-29 W1

14-4-2-29

TUBING STRING:

QTY	DESCRIPTION
1	73 MM EUE MULESHOED COLLAR
1	73 MM EUE BLUEBAND TUBING
1	73 MM EUE PSN
66	73 MM EUE YELLOWBAND TUBING
34	73 MM EUE NEW TUBING
8	73 MM EUE BLUEBAND TUBING
	KB CORRECTION
	TUBING BOTTOM AT: 1035.19 MKB
	TUBING HUNG FROM: TUBING BONNET
DATE RAN	: 91/10/22

LENGTH(M)	TOP DEPTH(MKB)
.13	1035.06
9.40	1025.66
.33	1025.33
621.06	403.73
324.78	78.95
75.48	3.47
3.47	

IN: STRING WEIGHT

ROD STRING:

QTY	DESCRIPTION
1	BHP #HOM 151 73 MM X 38.1 MM RWAC-TS 4.27 M X 1.22 M. MAXIMUM STROKE 2.59 M
1	19 MM X 0.47 M PICKUP PONY
4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS
75	19.00 MM PLAIN GRADE D SUCKER RODS
54	19.00 MM X 73 MM SCRAPER GRADE D SUCKER RODS
3	19.00 MM NYLON BONDED PONY RODS 1.83,1.22,0.6
1	31.8 MM X 6.7 M X 19 MM PIN POLISH ROD C/W LINER
DATE RAN	: 91/10/22

LENGTH(M)	TOP DEPTH(MKB)
.76	
.47	
24.60	
572.25	
412.02	
3.66	
6.70	

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
88/06/07	GAMMA RAY/COLLAR LOG	900.00 - 1082.00	JET PERFORATORS
88/02/12	CEMENT BOND	950.00 - 1079.40	SCHLUMBERGER
88/02/12	CEMENT EVALUATION	995.00 - 1080.30	SCHLUMBERGER
88/02/07	COMP. NEUTRON-LITHO-DENS.	990.00 - 1095.00	SCHLUMBERGER
88/02/07	SONIC	995.00 - 1092.00	SCHLUMBERGER
88/02/07	DUAL INDUCTION LATEROLOG	143.00 - 1094.50	SCHLUMBERGER
88/02/07	FRAC HEIGHT LOG	993.00 - 1085.00	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	88/02/06	1020.00 - 1038.00	18.00	16.00	SPRF	SPEARFISH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
88/06/07	1028.50 - 1032.00	SPEARFISH	HSC CASING	101	OPEN PERFS	13	COMP. NEUT
88/06/21	1043.00 - 1044.50	MISSISSIPPIAN	HSC CASING	101	BELOW BP	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

PGM: NW20100
PERIOD: 04
DATE: JAN 27, 1993
TIME: 08:39:23
PAGE: 3

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

FILE NOTE:

HOME/SCURRY S. PIERSON
14-04-002-29 W1
14-4-2-29

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-75.0	550.0		SH
BFS	BASE OF FISH SCALES	-153.0	630.0		SH
MNVL	MANNVILLE	-217.0	695.0		SS, SH
JRSC	JURASSIC	-320.0	796.0		SH
AMRN	AMARANTH	-486.0	960.0		SH, EVAP
SPRF	SPEARFISH	-524.0	1000.0	X	SH, SLTST, SS
MSSP	MISSISSIPPIAN	-560.0	1038.0		LS, DOL, ANHYD
FTD	F.T.D.	-621.0	1097.0		

ARTIFICIAL LIFT EQUIPMENT:

PUMP JACK:
MAKE: LEGRAND
MODEL: D114
SIZE: 114 X 143
AVAILABLE STROKE LENGTHS (IN): 51.0 / 62.0 / 74.0 / 0.0
DIRECTION OF ROTATION: (VIEWED WITH WELLHEAD TO THE RIGHT)
PRIME MOVER: MODEL (ELECTRIC)
H.P.: 15.0 / 0.0 / 0.0
JACK SHAFT: N (Y/N) SHEAVE SIZE (IN): 5.0
REGULAR SLIP

PRESENT OPERATING CONDITIONS:

S.P.M: 0.0 STROKE LENGTH (IN): 51.0
DATE OF LAST ENTRY: 1991 / 10 / 22

COMMENTS:

DATE: JAN 27, 1993
TIME: 08:39:23
PAGE: 4

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE:

PGM: NW20100

PERIOD: 04

HOME/SCURRY S. PIERSON
14-04-002-29 W1

14-4-2-29

HISTORY:

1988-02-01

1988-02-11

1988-02-11

DRILLING

DRILL OUT/BOND LOG.

INITIAL COMPLETION. PERFORATED MISSISSIPPIAN.
ACID WASH & SQUEEZE. POOR FLUID ENTRY, 100% WATER.
ABANDONED MISSISSIPPIAN. PERFORATED SPEARFISH.
ACIDIZED WITH SELECTIVE TOOL. SAND FRAC (DOWELL
DUAL DIVERTAFRAC). SANDER OFF WITH 4500 T 12/20 IN
FORMATION. INSTALLED ARTIFICIAL LIFT (66 STRING
NEW QC RODS.

PUMP REPAIR.

1990-04-07

1991-10-21

REPAIR TUBING LEAK. SPLIT FROM ROD WEAR/ CORROSION
IN JT 94 FROM SURFACE. CONDUCT VETCO INSPECTION.
DISCARDED 33 JTS FROM JT 70 TO PSN DUE TO ROD WEAR
AND CORROSION OVER 30% WALL LOSS. INCREASED JACK
STROKE AND SLOWED SPEED.

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:40:19
PAGE: 1

FILE NOTE: SPIER 90-029

WELL NAME: HOME SRO S. PIERSON PROV. 16-4-2-29
WELL LOCATION: LSD 16, SEC 04, TWP 002, RGE 29, W1
LICENCE NO: 4180
AFE NUMBER: HOC 110103
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 475.15
GRD - 470.85
DEPTHS: TD - 1054.70
PBTD - 1040.90 TALLY 90-05-23
SURFACE CASING: 9 JOINTS, 219.0 MM, 35.7 KG/M, J-55, ST&C 8RD, 119.1 M
CEMENTED WITH:
LEAD: 13.0 TONNES "A", 3.5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 119.1 M

INTERMEDIATE CASING

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C 8RD, 1055.9 M
CEMENTED WITH:
LEAD: 19.0 TONNES "G", 5.0 M3 RETURNS,
2:1:8 + .50% FRC-3 + .10% D3
TAIL: 6.5 TONNES " ", M3 RETURNS,
U:0:0 + 1.00% CA-2 + .10% D3
LANDED AT: 1054.7 M
TELMASTER TAIL CEMENT

WELLHEAD:

CASING BOWL : DRH 273MM 14 MPA X 219MM CASING
CB SIDE VALVES : 50.8MM SURFACE VENT/ OPPOSITE BULL PLUG
TUBING HEAD : T-16 179.4MM 14 MPA X 139.7MM 14 MPA
TH SIDE VALVES : BALL VALVE 50.8MM 10 MPA 8V OPPOSITE SIDE SAME
MASTER VALVE : STANDARD PUMPING WELLHEAD

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73MM EUE MULESHOED COLLAR	.10	1032.40
1	73MM 9.67 KG/M J-55 EUE ERW NEW TUBING	9.43	1022.97
1	73MM EUE X 57.91MM PROFILE API PSN	.34	1022.63
108	73MM 9.67 KG/M J-55 EUE ERW NEW TUBING K.G. CORRECTION	1019.14	3.49
TUBING BOTTOM AT: 1032.50			
TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING TENSION			
DATE RAN : 90/05/22			

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-029

HOME SRO S. PIERSON PROV. 16-4-2-29
16-04-002-29 W1

DATE: JAN 27, 1993
TIME: 08:40:19
PAGE: 2

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #H0DB-12 73MM X 38.1MM RWAC 4.27M X 1.22M		
1	CHROME I.D. MAXIMUM STROKE 2.51M	.31	1022.32
1	19MM X 0.61M PLAIN GRADE QC PONY ROD	.61	1021.71
6	38.1MM X 6.1M X 19MM PIN SINKER BARS	36.60	985.11
72	19MM PLAIN GRADE QC SUCKER RODS	548.61	436.50
56	19MM X 73MM NYLON SCRAPERED GRADE QC SUCKER RODS	426.70	9.80
1	19MM X 1.22M X 73MM NYLON SCRAPERED GRADE QC PONY ROD	1.22	8.58
1	31.8 X 6.7M X 19MM PIN POLISH ROD	6.70	1.88

DATE RAN : 90/05/22

DATE	LOG	INTERVAL (M)	COMPANY
90/05/18	GAMMA RAY/COLLAR LOG	965.00 - 1037.00	JET PERFORATORS
90/03/26	DUAL INDUCTION LATEROLOG	118.50 - 1054.50	COMPUTALOG
90/03/26	COMP. NEUTRON-LITHO-DENS.	118.50 - 1054.70	COMPUTALOG

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	90/03/27	1022.00 - 1032.00	10.00	10.00	MCSP	MAIN C SPEARFISH

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
90/05/18	1024.00 - 1030.00	"B" SAND	HSC	101	OPEN PERFS	16	COMP. NEUT

DRILL STEM TESTS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
BOYN	BOYNE	18.0			SH
FVEL	FAVEL	-74.0			SS, SH
SWNR	SWAN RIVER	-212.0			SS, SH
UJRC	UPPER JURASSIC	-314.0			SH, SS
AMRE	AMARANTH EVAPORITES	-482.0			ANHYH/SH
AMRR	AMARANTH RED BEDS	-521.0			RD SH
BSAN	"B" SAND	-548.0			SLTST/SS
MCSP	MAIN C SPEARFISH	-551.0		X	VF SS, SH, SLTST
MSUC	MISSISSIPPIAN UNCONF	-564.0			ANHYD/DOL
MSPR	MISSISSIPPIAN POROSI	-567.0			DOL/LS
FTD	F.T.D.	-579.0			

RESERVOIR:

PAY ZONE: 00/00/00
PRESSURE: 10000 KPA
TEMP.: 45 C
00/00/00

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-029

HOME SRO S. PIERSON PROV. 16-4-2-29
16-04-002-29 W1

DATE: JAN 27, 1993
TIME: 08:40:19
PAGE: 3

HISTORY:

DRILLING HISTORY:

SPUD DATE: 90-03-22 RIG RELEASE DATE: 90-03-27
CONTRACTOR: SIMMONS K.B. TO C.F. MEAS: 4.0

SURFACE HOLE:

SIZE: 311
CONDUCTOR BARREL: Y
ABNORMAL DRILLING CONDITIONS: NIL

MAIN HOLE:

SIZE: 200
TYPE OF MUD SYSTEM: GEL CHEM
ABNORMAL DRILLING CONDITION: NIL
ABNORMAL CEMENTING CONDITIONS: NIL
PLUG DISPLACEMENT FLUID: WATER
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

1990-05-15 INITIAL SPEARFISH COMPLETION. FRACTURED WELL
WITH 12.3 TONNE 20/40 SAND. MAXIMUM SLURRY
DENSITY 1200 KG/M3. CIRCULATED CLEAN AND
RUN ROD STRING.

FILE NOTE:

WELL NAME: HOME/SCURRY S. PIERSON 16-5-2-29
WELL LOCATION: LSD 16, SEC 05, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 478.30
GRD - 474.30
DEPTHS: TD - 1078.60
PBTD - 1065.60

SURFACE CASING: 10 JOINTS, 219.0 MM, 35.7 KG/M, J-55, ST&C BRD, M
TAIL: 10.0 TONNES "A", 2.5 M3 RETURNS,
LANDED AT: 0:1:0 + 3.00% CACL2
123.9 M

INTERMEDIATE CASING

PRODUCTION CASING: 90 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C BRD, 1081.4 M
CEMENTED WITH:
LEAD: 23.0 TONNES "G", M3 RETURNS,
1:1:4 + .50% T-10
TAIL: 9.0 TONNES " ", M3 RETURNS,
1:1:0 + .60% NFL3 + .10% 12000
LANDED AT: 1078.5 M

WELLHEAD:

CASING BOWL : OCT 228.6 MM X 139.7 MM 14 MPA
CB SIDE VALVES : STANDARD SURFACE VENI ASSY
TUBING HEAD : OCT T-16 228.6 MM X 179.4 MM X 139.7 MM 14 MPA
TH SIDE VALVES : WKM 50.8MM LP 14 MPA GATE VLVE/WKM 14 MPA X 50.8MM BALL VLVE
TH FLANGE : OCT 179.4 MM X 14 MPA X 73 MM EUE PIN X 73 MM SUSP
MASTER VALVE :)
FLOW TEE :) STANDARD PUMPING WELLHEAD ASSEMBLY 73 MM EUE X 31.8 MM
WING VALVE :)

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM X 9.67 KG/M J-55 BRD EUE JOINT C/W 73 MM SAWTOOTH COUPLING	9.54	1033.53
1	73 MM EUE API PSN (FRICTION)	.33	1033.20
108	73 MM X 9.67 KG/M J-55 BRD EUE TUBING K.B.	1029.27	3.93
TUBING BOTTOM AT: 1043.07 M K.B.			
TUBING HUNG FROM: FLANGE			
DATE RAN : 88/01/17			
IN: STRING TENSION			

DATE: JAN 27, 1993
TIME: 08:41:17
PAGE: 2

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

PGM: NW20100
PERIOD: 06

FILE NOTE:

HOME/SCURRY S. PIERSON
16-05-002-29 W1

16-5-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	NATIONAL BHP SERIAL #HOM 140 73 X 31.8 RWAC 4.88 M X 1.5 M C/W 0.6 M X 19 MM PICK-UP PONY WITH 63.5 MM RYTON SCRAPER	.46	
4	38.1 MM X 7.62 M X 19 MM PIN SINKER BARS C/W ROD ELEVATOR UPSETS	30.52	
63	19 MM PLAIN GRADE 78 SUCKER RODS	480.69	
67	19 MM X 63.5 MM RYTON SCRAPERED SUCKER RODS GRADE 78 (6 PER ROD)	511.21	
1	19 MM X 63.5 MM RYTON SC X 1.8 M PONY (GRADE 78) ROD	1.80	
1	31.8 MM X 19 MM PIN X 6.7 M POLISH ROD C/W 0.6 M PLAIN LIFT PONY	6.70	

DATE RAN : 91/07/04

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
86/04/28	FRAC HEIGHT LOG	912.00 - 1062.60	JET PERFORATORS
86/04/22	GAMMA RAY/COLLAR LOG	900.00 - 1062.60	JET PERFORATORS
86/04/18	CEMENT BOND	500.00 - 1052.00	SCHLUMBERGER
86/03/13	DUAL INDUCTION LATEROLOG	124.50 - 1076.50	SCHLUMBERGER
86/03/13	SONIC	124.50 - 1066.00	SCHLUMBERGER
86/03/13	COMP. NEUTRON-LITHO-DENS.	124.50 - 1073.00	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	86/03/12	1019.00 - 1037.00	18.00	18.00	SPRF	SPEARFISH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
86/04/22	1023.50 - 1028.50	SPEARFISH	HSC CASING	101	OPEN PERFS	13	COMP. NEUT
86/04/22	1029.00 - 1034.00	SPEARFISH	HSC CASING	101	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
CLRD	COLORADO	19.4			SH
SSPK	SECOND WHITE SPECKS	-69.4	555.0		SH
LCLD	LOWER COLORADO	-95.4	581.0		SH
BFS	BASE OF FISH SCALES	-146.9	626.0		SH
MNVL	MANNVILLE	-210.5	696.5		SS
JRSC	JURASSIC	-324.7	799.0		SH
SPRF	SPEARFISH	-522.9	965.0	X	SH, SS
ALID	ALIDA	-561.5	1003.0		LS
FTD	F.T.D.	-600.0			

RESERVOIR:

PAY ZONE: SPEARFISH

PUM: NW20100

PERIOD: 06

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:41:17
PAGE: 3

FILE NOTE:

ARTIFICIAL LIFT EQUIPMENT:

PUMP JACK:

MAKE: NATIONAL MODEL: D114 SIZE: 114 X 119
AVAILABLE STROKE LENGTHS (IN): 60.0 / 72.0 / 86.0 / 0.0
DIRECTION OF ROTATION: (VIEWED WITH WELLHEAD TO THE RIGHT)
PRIME MOVER: MODEL (ELECTRIC)
H.P.: 15.0 / 0.0 / 0.0 REGULAR SLIP
JACK SHAFT: N (Y/N) SHEAVE SIZE (IN): 6.0

PRESENT OPERATING CONDITIONS:

S.P.M: 6.0 STROKE LENGTH (IN): 60.0
DATE OF LAST ENTRY: 1991 / 07 / 04

COMMENTS:

PGM: NW20100

PERIOD: 06

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE:

HOME/SCURRY S. PIERSON
16-05-002-29 w1

16-5-2-29

HISTORY:

1986-03-08

DRILLING RIG RELEASE 87-03-13.

1986-04-16

INITIAL COMPLETION. PERFORATED SPEARFISH.
SAND FRAC USING POLYEMULSION 27 TONNES 10/20
(NOWSCO). INSTALLED ARTIFICIAL LIFT.

1986-05-14

PUMP REPAIR

1988-01-16

RAN RECORDERS FOR 14 DAY PRESSURE BUILD-UP.
FORMATION APPEARED DAMAGED. SQUEEZED 7000 L
XYLENE FOR SUSPECTED WAX PLUGGING. SOAK 91
HOURS. RETURNED TO PRODUCTION.

1988-10-13

PUMP REPAIR.

1991-07-03

PUMP REPAIR. PUMP SIEZED WITH SCALE. BOTTOM 6
RODS COATED WITH SCALE. ATTEMPT TO CIRCULATE TO
PBTD, PARTIAL RETURNS. DOWNSIZED PUMP SIZE FROM
38.1 MM TO 31.8 MM TO MATCH WELL INFLOW.

DATE: JAN 27, 1993
TIME: 08:41:17
PAGE: 4

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 6-7-2-29
WELL LOCATION: LSD 06, SEC 07, TWP 002, RGE 29, W1
LICENCE NO: 3885
WFE NUMBER: HOC -R&M
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 481.59
GRD - 476.94
DEPTHS: TD - 1090.00
PBTD - 1077.00
SURFACE CASING: 12 JOINTS, 219.0 MM, 35.7 KG/M, J-55, ST&C, 144.2 M
CEMENTED WITH:
LEAD: 14.5 TONNES "G", M3 RETURNS,
0:1:0
LANDED AT: 143.0 M

INTERMEDIATE CASING

NO INTERMEDIATE CASING
93 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C, 1092.2 M
CEMENTED WITH:
LEAD: 25.0 TONNES "G", 3.5 M3 RETURNS,
1:1:4 + .50% FRC-1
TAIL: 11.0 TONNES "G", M3 RETURNS,
0:1:0 + .75% FRC-1 + .25% FLC-1
LANDED AT: 1090.0 M

WELLHEAD:
CASING BOWL : CROWN TYPE H - 9" - 2000 WP (139.7 MM SLIPS & PRIMARY SEAL)
CB SIDE VALVES : 2 - 50.8 S.E. SURFACE VENT INSTALLED AND BULL PLUGGED
TUBING HEAD : OCT-9" 2000X7 1/16 3000WP X 5 1/2 00 TC & DOGNOT WRAPAROUND
TH SIDE VALVES : 2 - 50.8 MM FE-21 MPA C/W 2 - FE ADAPTER TO LP VALVES
TH FLANGE : 6"X900X73.03MM BRD BOX + PIN (2-LP VALVES 50.8MM SN610008
MASTER VALVE : - 73.03 MM WALKER ROD BOP (160-1 SN 1A-9722-2)
FLOW TEE : HERCULES 73.03 X 76.2 MM X 50.8 X 25.4 MM
WING VALVE : 50.8 MM BALL VALVE

TUBING STRING:

NO TUBING STRING IN HOLE

NO ROD STRING IN HOLE

LOGS:
DATE LOG
86/08/31 CEMENT BOND
86/08/30 GAMMA RAY/COLLAR LOG
INTERVAL (M)
500.00 - 1071.40
925.00 - 1074.00
COMPANY
SCHLUMBERGER
JET PERFORATORS

CORES:
NO CORES CUT

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:42:25
PAGE: 2

FILE NOTE:

HOME SCURRY S. PIERSON
06-07-002-29 W1

6-7-2-29

PERFORATIONS:

DATE INTERVAL (M) FORMATION
86/09/03 1029.50 - 1032.50 SPEARFISH
86/09/03 1036.00 - 1039.00 SPEARFISH

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE DESCRIPTION PROGNOSSED SS LOG TOPS PAY ZONE(M) LITHOLOGY/COMMENTS
SSPK SECOND WHITE SPECKS -72.0 SH
BFS BASE OF FISH SCALES -151.0 SH
MNVL MANNVILLE -215.0 SS & SH
JRSC JURASSIC -333.0 SH
AMRN AMARANTH -493.0 SH & ANHYDRITE
SPRF SPEARFISH -528.0 SH, SLT & SS
MSSP MISSISSIPPIAN -566.0 LS, DOL, ANHYDRITE
FTD F.T.D. -606.0

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PERF STATUS SHOTS/M REFERENCE
OPEN PERFS 13
OPEN PERFS 13 COMP. NEUT

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE:

HOME SCURRY S. PIERSON 6-1-2-29
06-07-002-29 W1

HISTORY:

1992-09-22

DISPLACE WELLBORE TO INHIBITED WATER. LAY DOWN
TUBING. WELL SUSPENDED.

DATE: JAN 27, 1993
TIME: 08:42:25
PAGE: 3

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:43:49
PAGE: 1

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 6-8-2-29

WELL LOCATION: LSD 06, SEC 08, TWP 002, RGE 29, W1

LICENCE NO: 4305

AFE NUMBER: HOC 112035

FIELD OFFICE: ESTEVAN

ELEVATIONS: KB - 479.20
GRD - 475.37

DEPTHS: TD - 1061.00
PBD - 1048.00

SURFACE CASING: 10 JOINTS, 219.0 MM, 35.7 KG/M, J-55, ST&C BRD, 121.9 M
CEMENTED WITH: 12.0 TONNES "A", 1.5 M3 RETURNS,
LEAD: 0:1:0 + 3.00% CACL2
LANDED AT: 122.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 84 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C BRD, 1061.6 M
CEMENTED WITH: 18.0 TONNES "G", M3 RETURNS,
LEAD: 2:1:8 + .25% FRC-3 + .10% DEF-3
TAIL: 9.0 TONNES " ", M3 RETURNS,
LANDED AT: 0:0:0 + 1.00% CA-2 + .15% DEF-3
FLOAT COLLAR AT: 1060.0 M
1048.6 M

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE:

HOME SCURRY S. PIERSON 6-8-2-29
06-08-002-29 W1

DATE: JAN 27, 1993
TIME: 08:43:49
PAGE: 2

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73MM EUE J55 USED TUBING C/W MULESHOED COLLAR	9.58	1033.95
1	73MM EUE FRICTION PSN	.34	1033.61
109	73MM EUE J55 USED TUBING	1030.05	3.56
	KB CORRECTION	3.56	

TUBING BOTTOM AT: 1043.46 MKB
TUBING HUNG FROM: BONNET THRDs
DATE RAN : 92/04/30

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM-176, 73 MM X 38.1 MM RWAC-15 4.27 X 1.22 H/CHROME BARREL, SPRAY METAL PLUNGER, MASTERLOY BALLS & SEATS, SUPREME FITTINGS, MAX STROKE (102") 2.59 M. PLUNGER HAS TRAVELLING VALVE GAS BREAKER	.58	
1	19 MM PLAIN GRADE 78 D PONY ROD	.61	
4	38.1 MM X 7.63 M X 19 MM PIN SINKER BARS (USED)	30.52	
58	19 MM PLAIN GRADE 78 D RODS (USED)	442.54	
11	19 MM X 73 MM NYLON SCRAPER GRADE C RODS (USED)	83.93	
60	19 MM X 73 MM NYLON SCRAPER GRADE 78 D RODS (USED)	607.63	
4	19MM PONY RODS, 2.44, 1.83, 1.22, 0.3	5.79	
1	31.8MM X 6.7 M X 19MM PIN NEW POLISHED ROD C/W 38.1MM X 3.05 M LINER	6.71	

DATE RAN : 92/05/07

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
92/03/13	PHASOR INDUCTION - SFL	121.10 - 1058.10	SCHLUMBERGER
92/03/13	REPEAT FORM. TESTER	1024.40 - 1046.60	SCHLUMBERGER
92/03/13	COMP. NEUTRON-LITHO-DENS.	700.00 - 1050.90	SCHLUMBERGER

CORES:

NO CORES CUT

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
92/04/15	1024.00 - 1029.00	"A" SAND	HSC 120 DE	102	OPEN PERFS	13	COMP. NEUT
92/04/15	1030.50 - 1036.00	"C" SAND	HSC 120 DE	102	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-526.7	1005.0		REDBEDS, SH
ASAN	"A" SAND	-546.7	1025.0	X	SLTST/SS
BSAN	"B" SAND	-549.4	1028.0	X	SLTST/SS
CSAN	"C" SAND	-552.5	1031.0	X	
MSUC	MISSISSIPPIAN UNCONF	-557.5	1043.0		ANHYDRITIC DOL
MSPR	MISSISSIPPIAN POROSI	-562.5	1046.0		LIMESTONE/DOL
FTD	F.T.D.	-572.5	1061.0		

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:43:49
PAGE: 3

FILE NOTE:

ARTIFICIAL LIFT EQUIPMENT:

PUMP JACK:

MAKE: LEGRAND
AVAILABLE STROKE LENGTHS (IN): 40.0 / 52.0 / 64.0 / 0.0
DIRECTION OF ROTATION: COUNTER CLOCKWISE (VIEWED WITH WELLHEAD TO THE RIGHT)
PRIME MOVER: MODEL GEMINI (GAS)
H.P.: 0.0 / 0.0 / 0.0
JACK SHAFT: N (Y/N) SHEAVE SIZE (IN): 6.0

PRESENT OPERATING CONDITIONS:

S.P.M: 6.5 STROKE LENGTH (IN): 64.0
DATE OF LAST ENTRY: 1992 / 05 / 07

COMMENTS:

DATE: JAN 27, 1993
 TIME: 08:44:57
 PAGE: 1

DAILY WELL REPORTING SYSTEM
 WORKOVER PROGRAM

FILE NOTE:

WELL NAME: HOME/SCURRY S. PIERSON 8-8-2-29
 WELL LOCATION: LSD 08, SEC 08, TWP 002, RGE 29, W1
 AFE NUMBER: HOC -R&M
 FIELD OFFICE: ESTEVAN
 ELEVATIONS: KB - 478.83
 GRD - 474.43
 DEPTHS: TD - 1100.00
 PBTD - 1080.80
 SURFACE CASING: 9 JOINTS, 219.1 MM, 35.7 KG/M, J55, ST&C, 121.2 M
 CEMENTED WITH:
 LEAD: 10.6 TONNES "G", 2.0 M3 RETURNS,
 0:1:0 + 3.00% CACL2
 LANDED AT: 120.0 M
 NO INTERMEDIATE CASING
 PRODUCTION CASING: 85 JOINTS, 139.7 MM, 20.8 KG/M, J55, ST&C, 1100.9 M
 CEMENTED WITH:
 LEAD: 26.2 TONNES "G", 2.0 M3 RETURNS,
 1:1:4 + .90% NFL-3 + .10% SPC12
 LANDED AT: 1097.5 M
 CEMENT TOP AT: .1 M
 FLOAT COLLAR AT: 1046.0 M
 ECP 1040 - 1046
 WELLHEAD: CASING BOWL : OCT 228.6 MM 14 MPA X 139.7 MM
 CB SIDE VALVES : BULL PLUGGED / STANDARD VENT ASSEMBLY
 TUBING HEAD : OCT 228.6 MM X 14 MPA, 179.4 MM X 14 MPA
 TH SIDE VALVES : WKM GATE VALVE 50.8 MM THRD L.P. EACH SIDE
 TH FLANGE : OCT 179.4 MM X 14 MPA WP C/W 73 MM EUE PIN X 73 MM SUSP
 MASTER VALVE : }
 FLOW TEE : } STANDARD 73 MM EUE X 31.8 MM PUMPING STYLE
 WING VALVE : }

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM X 9.6 KG/M J-55 EUE TUBING	9.50	1029.30
1	73 MM API PSN	.33	1028.97
106	73 MM X 9.67 KG/M J-55 EUE TUBING	1025.00	3.97
	K.B. TO TUBING HEAD		
	TUBING BOTTOM AT: 1038.8 M K.B.		
	TUBING HUNG FROM: TUBING BONNET		
	DATE RAN : 88/08/24		
	IN: STRING TENSION		

FILE NOTE:

HOME/SCURRY S. PIERSON
08-08-002-29 W1

8-8-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	PUMP #HON145 73 MM X 44.45 MM RHAC 4.87 M X 1.52 MX 0.91 M	4.87	1024.10
4	38.1 MM SINKER BARS 6.1 M	24.38	999.72
72	19 MM GRADE QC PLAIN SUCKER RODS	548.61	451.11
57	19 MM X 63.5 MM GRADE QC RYTON SCRAPERED SUCKER RODS	434.32	16.99
4	19 MM PONIES SCRAPERED (2-2.44, 1-1.22, 1-0.61)	6.71	10.06
1	31.75 MM POLISH ROD	6.70	3.38
DATE RAN : 88/08/24			

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
88/08/02	GAMMA RAY/COLLAR LOG	1000.00 - 1080.70	JET PERFORATORS
88/02/19	CEMENT BOND	925.00 - 1078.00	SCHLUMBERGER
88/02/14	DUAL INDUCTION LATEROLOG	120.00 - 1098.00	SCHLUMBERGER
88/02/14	COMP. NEUTRON-LITHO-DENS.	120.00 - 1099.00	SCHLUMBERGER
88/02/14	SONIC	1000.00 - 1097.00	SCHLUMBERGER
88/02/14	AUXILIARY MEASUREMENT	995.00 - 1091.00	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	88/02/14	1020.00 - 1038.00	18.00	17.21	SPRF	SPEARFISH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
88/08/02	1031.00 - 1033.50	SPEARFISH	HSC	CSG	102	OPEN PERFS	13 COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAV ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-75.0			SH
BFS	BASE OF FISH SCALES	-153.0			SH
MNVL	MANNVILLE	-217.0			SS, SH
JRSC	JURASSIC	-320.0			SH
AMRN	AMARANTH	-486.0			SH, EVAP
SPRF	SPEARFISH	-524.0		X	SH, SLTST, SS
MSSP	MISSISSIPPIAN	-560.0			LS, DOL, ANHYD
FTD	F.T.D.	-621.0			

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

DATE: JAN 27, 1993
TIME: 08:44:57
PAGE: 3

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

FILE NOTE:

HOME/SCURRY S. PIERSON
08-08-002-29 W1

8-8-2-29

HISTORY:

1988-02-09

DRILLING

1988-02-17

INITIAL COMPLETION. PERFORATED SPEARFISH.
ACIDIZED WITH SELECTIVE TOOL. SAND FRAC
USING GELLED BRINE (DUAL DIVERTAFRAC, D.S.).
SANDED OFF WITH 3 TONNE 12/20 IN FORMATION.
INSTALLED ARTIFICIAL LIFT (NEW 66 STRING
GRADE D).
02/17 - 02/20 DRILL OUT AND BOND LOG.
08/02 - 08/27 PERF, FRAC, PLACE ON PRODUCTION.
1991-01-28
RODS HANGING UP DURING PUMPING. TEST AND
STROKED WITH RIG. OPERATION APPEARED NORMAL.

DAILY WELL REPORTING SYSTEM

PMP REPAIR PROGRAM

DATE: JAN 27, 1993
TIME: 08:47:10
PAGE: 1

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 10-8-2-29

WELL LOCATION: LSD 10, SEC 08, TWP 002, RGE 29, W1

LICENCE NO: 4315

AFE NUMBER: HOC -R&M

FIELD OFFICE: ESTEVAN

ELEVATIONS: KB - 479.31
GRD - 474.99

DEPTHS: TD - 1054.00
PBTD - 1040.20 TBG TAG 92-09-20

SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C, 129.0 M
CEMENTED WITH:
LEAD: 15.0 TONNES "A", 3.6 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 128.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, M-50, ST&C, 1057.2 M
CEMENTED WITH:
LEAD: 19.0 TONNES "G", .2 M3 RETURNS,
2:1:8 + .25% FRC-3 + .10% DFM3
TAIL: 7.0 TONNES "T", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .15% DFM3
LANDED AT: 1056.0 M

WELLHEAD: CASING BOWL : DRH 273 MM 14 MPA, 219 MM CASING
CB SIDE VALVES : 50.8 MM SURF VENT, OPP SIDE BULL PLUG
TUBING HEAD : FMC T-16 179.4 MM 14 MPA X 139.7 MM WELD-ON
TH SIDE VALVES : WKM 14 MPA BALL VALVE EACH SIDE
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE UP X 73 MM EUE SUSP
MASTER VALVE : PUMPING STYLE

PGM: NW20100

PERIOD: 05

DAILY WELL REPORTING SYSTEM

PMP REPAIR PROGRAM

FILE NOTE:

DATE: JAN 27, 1993
TIME: 08:47:10
PAGE: 2

HOME SCURRY S. PIERSON
10-08-002-29 w1

10-8-2-29

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	FISH IN HOLE 93-01-10		
	GRIFFIN TYPE N-1 RHS TUBING ANCHOR		
	WASHED OVER AND PUSHED TO SAND FILL		
1	73 MM JERW MULESHOED CUTOFF	6.00	1029.04
1	73 MM EUE API PSN	.35	1028.69
106	73 MM 9.67 KG/M J-ERW EUE TUBING	1017.98	10.71
2	73 MM 9.67 KG/M J-ERW EUE PUP JOINTS (2.51M, 2.48M)	4.99	5.72
1	73 MM 9.67 KG/M J-ERW EUE PUP JOINT	1.86	
	K.B. CORRECTION	3.86	

TUBING BOTTOM AT: 1035.04 M K.B.
TUBING HUNG FROM: TBG BONNET THREADS IN: STRING TENSION
DATE RAN : 93/01/11

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #SWU-22, 73 MM X 38.1 MM RWAC 4.27 M X 1.22 M		
	HOLLOW PULL TUBE, CORLOY/CHROME BARREL, SPRAY		
	METAL PLUNGER STROKE 2.59 M (102")	.62	
1	19 MM X 0.3 M PLAIN GRADE D PONY ROD	.30	
4	38.1 MM X 6.1 M X 29 MM PIN GOOD USED SINKER BARS	24.60	
72	19 MM X 73 MM REVERSE FIN POSIDEL GUIDED RODS	548.64	
	GRADE C, 4/ROD		
58	19 MM GRADE C X 73 MM NYLON GUIDED RODS 6/ROD	442.54	
1	25.4 MM X 73 MM NYLON SCRAPERED GRADE 97 1.22 M	1.22	
	PONY ROD		
1	38.1 MM X 7.92 M X 25.4 MM PIN NEW METAL SPRAYED	7.92	
	POLISH ROD		
	DATE RAN : 93/01/16		

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
92/09/17	GAMMA RAY/COLLAR LOG	950.00 - 1030.00	JET PERFORATORS
92/09/11	DUAL INDUCTION LATEROLOG	128.00 - 1054.00	SCHLUMBERGER
92/09/11	COMP. NEUTRON-LITHO-DENS.	128.00 - 1054.00	SCHLUMBERGER
92/09/11	REPEAT FORM. TESTER	1030.00 - 1054.00	SCHLUMBERGER

CORES:

NO CORES CUT

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
92/09/20	1023.50 - 1024.50	"A" SAND	HSC 120 DE 102	102	OPEN PERFS	13	COMP. NEUT
92/09/20	1026.00 - 1027.00	"B" SAND	HSC 120 DE 102	102	OPEN PERFS	13	COMP. NEUT
92/09/20	1028.00 - 1030.00	"C" SAND	HSC 120 DE 102	102	OPEN PERFS	13	COMP. NEUT
92/09/20	1031.50 - 1034.00	"C" SAND	HSC 120 DE 102	102	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

PGM: NW20100
PERIOD: 05

DAILY WELL REPORTING SYSTEM
PMP REPAIR PROGRAM

DATE: JAN 27, 1993
TIME: 08:47:10
PAGE: 3

FILE NOTE:

HOME SCURRY S. PIERSON 10-B-2-29
10-08-002-29 W1

FORMATIONS:	CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE (M)	LITHOLOGY/COMMENTS
	LAMR	LOWER AMARANTH	-522.0	1001.0		REDBEDS, SH
	ASAN	"A" SAND	-542.0	1020.0		SLTST/SS
	BSAN	"B" SAND	-547.0	1025.5		SLTST/SS
	CSAN	"C" SAND	-549.0	1028.5		SLTST/SS
	MSUC	MISSISSIPPIAN UNCONF	-556.0	1039.5		ANHYDRITE/DOL
	MSPR	MISSISSIPPIAN POROSI	-561.0	1042.0		LIMESTONE/DOL
	FTD	F.I.D.	-576.0	1054.0		

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:48:23
PAGE: 1

FILE NOTE: SPIER 91-099

WELL NAME: HOME SCURRY S. PIERSON 12-8-2-29
WELL LOCATION: LSD 12, SEC 08, TWP 002, RGE 29, W1
LICENCE NO: 4271
AFE NUMBER: HOC 111101
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 478.20
GRD - 474.17
DEPTHS: TD - 1059.00
PBTD - 1045.80 PERF TAG 91-06-11
SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J55, ST&C BRD, 121.7 M
CEMENTED WITH:
LEAD: 12.0 TONNES "A", M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 121.0 M
RECEMENTED FROM SURFACE WITH 3 TONNE CLASS A
INTERMEDIATE CASING: NO INTERMEDIATE CASING
PRODUCTION CASING: 86 JOINTS, 139.7 MM, 20.8 KG/M, J55, ST&C BRD, 1060.4 M
CEMENTED WITH:
LEAD: 22.0 TONNES "A", M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 8.0 TONNES "A", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
LANDED AT: 1059.0 M
WELLHEAD: CASING BOWL : LOWERY L-FS SLIP ON 273 MM BRD HAMMER CAP 14 MPA
CB SIDE VALVES : 50.8 MM LP SURF VENT / OPPOSITE BULL PLUGGED
TUBING HEAD : T-16 SLIP ON 179.4 MM 14 MPA X 139 7 MM CSG
TH SIDE VALVES : WKM BALL VALVE 50.8 MM 14 MPA LP THRD / OPP SIDE SAME
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE THRD X 73 MM EUE SUSP THRD
MASTER VALVE : STANDARD PUMPING STYLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:48:23
PAGE: 2

FILE NOTE: SPIER 91-099

HOME SCURRY S. PIERSON
12-08-002-29 W1

12-8-2-29

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73MM EUE MULESHOE COLLAR	.13	1037.10
1	73MM 9.67 KG/M J-55 EUE YELLOW BAND TUBING	9.64	1027.46
1	73MM X 57.91MM FRICTION API PSN	.33	1027.13
108	73MM 9.67 KG/M J-55 EUE YELLOW BAND TUBING	1019.11	8.02
1	73MM 9.67 KG/M J-55 EUE YELLOW BAND 2.53M PUP JOINT	2.53	5.49
1	73MM 9.67 KG/M J-55 EUE YELLOW BAND 1.23M PUP JOINT	1.23	4.26
1	73MM 9.67 KG/M J-55 EUE YELLOW BAND 0.73M PUP JOINT	.73	3.53
	KB CORRECTION	3.53	

TUBING BOTTOM AT: 1037.23 MKB
TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING TENSION
DATE RAN : 91/06/16

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM 171, 73MMX 38.1MM RWAC 4.87M X 1.2M, CHROME BARREL, MAXIMUM STROKE 3.20M	.49	
1	19MM X0.53M PLAIN GRADE 'D' PONY ROD	.53	
4	38.1MM X 6.1M X 19MM PIN SINKER BARS	24.60	
72	19MM PLAIN GRADE 'D' SUCKER RODS	549.36	
58	19MM X 73MM NYLON SCRAPERED GRADE 'D' SUCKER RODS	442.54	
2	19MM X 73MM NYLON SCRAPERED GRADE 'D' PONY RODS	4.27	
1	1 - 1.83M, 1 - 2.44M		
1	31.8MM X 6.7M X 19MM PIN POLISH ROD WITH 1 - 38.1MM X 3.66M POLISH ROD LINER & 1 - 19MM X 0.61M PLAIN GRADE 'D' PONY ROD ON TOP	6.70	
	DATE RAN : 91/06/18		

DATE	LOG	INTERVAL (M)	COMPANY
91/06/11	GAMMA RAY/COLLAR LOG	950.00 - 1045.50	JET PERFORATORS
91/06/01	PHASOR INDUCTION - SFL	121.00 - 1058.00	SCHLUMBERGER
91/06/01	FMS	700.00 - 1058.00	SCHLUMBERGER
91/06/01	COMP. NEUTRON-LITHO-DENS.	121.00 - 1058.00	SCHLUMBERGER

CORES: NO CORES CUT

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
91/06/11	1029.00 - 1035.00	SPEARFISH C	SAN HSC/90 DEG	102	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 91-099

DATE: JAN 27, 1993
TIME: 08:48:23
PAGE: 3

HOME SCURRY S. PIERSON
12-08-002-29 W1

12-8-2-29

FORMATIONS:		CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
		LAMR	LOWER AMARANTH	-525.0			RED REDS, SLTST
		SPRA	SPEARFISH A SAND	-544.0			SLTST, SS
		SPRB	SPEARFISH B SAND	-548.0			SLTST, SS
		SPRC	SPEARFISH C SAND	-551.0		X	SLTST, SS
		MSUC	MISSISSIPPIAN UNCONF	-562.0			SLTST, SS
		MSPR	MISSISSIPPIAN POROSI	-566.0			ANHYDRITIC DOL
		FTD	F.T.D.	-577.0			DOL, LS

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:48:23
PAGE: 4

FILE NOTE: SPIER 91-099

HOME SCURRY S. PIERSON
12-08-002-29 W1

12-8-2-29

HISTORY:

DIRECTIONS TO LEASE:
FROM MANITOBA/SASKATCHEWAN BORDER ON HIGHWAY #18, 1.6 KMS
EAST ON HIGHWAY, 7.2 KMS SOUTH, THEN EAST INTO LOCATION.

DRILLING HISTORY:

SPUD: 91-05-28
R.R. DATE: 91-06-02
CONTRACTOR: SIMMONS DRILLING #27
KB TO CSG FLANGE: 4.10 M

SURFACE HOLE:

SIZE: 311 MM CONDUCTOR BARREL: YES
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO CEMENT RETURNS. TOPPED
OFF W/3 TONNES

MAIN HOLE:

SIZE: 200 MM
MUD SYSTEM TYPE: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
PLUG DISPLACEMENT FLUID: WATER
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE.

1991-06-10

INITIAL COMPLETION. PERFD SPEARFISH C SAND WITH
FULL UNDERBALANCE. CONDUCT SAND FRAC. PLACED 9.5 T
SAND IN FORMATION. SWAB TEST 15 M3 FLUID.
INSTALLED ARTIFICIAL LIFT. USED STRING 66 GRADE D.
TUBING AND ROD STRING TRANSFERRED FROM 10-1-2-29W1.

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 14-8-2-29
WELL LOCATION: LSD 14, SEC 08, TWP 002, RGE 29, W1
LICENCE NO: 4313
AFE NUMBER: HOC 112105
FIELD OFFICE:
ELEVATIONS: KB - 479.95
GRD - 475.67
DEPTHS: TD - 1061.00
PBTD - 1047.40 FLOAT COLLAR
SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C-BRD, 131.6 M
CEMENTED WITH:
LEAD: 14.0 TONNES "A", 3.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 131.0 M

NO INTERMEDIATE CASING

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, M-50, ST&C, 1061.9 M
CEMENTED WITH:
LEAD: 20.0 TONNES "G", 4.3 M3 RETURNS,
2:1:8 + .25% FRC-3 + .10% DFMR3
TAIL: 7.0 TONNES "T", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .15% DFMR3
LANDED AT: 1061.0 M

WELLHEAD:

CASING BOWL : DRH 273 MM 14 MPA, 219 MM CASING
CB SIDE VALVES : 50.8 MM SURF VENT, OPP SIDE BULLPLUG
TUBING HEAD : FMC T-16 179.4 MM 14 MPA X 139.7 MM WELD-ON
TH SIDE VALVES : 50.8 MM LP WKM BALL VALVE EACH SIDE
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE UP X 73 MM EUE SUSP
MASTER VALVE : PUMPING STYLE

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM MULESHOE COLLAR	.13	1036.65
1	73 MM 9.67 KG/M J-ERW EUE YELLOWBAND TUBING	9.63	1027.02
1	73 MM X 57.91 MM FRICTION API PSN	.33	1026.69
108	73 MM 9.67 KG/M J-ERW EUE YELLOWBAND TUBING K.B. CORRECTION	1022.89	3.80
TUBING BOTTOM AT: 1036.78 M K.B.			
TUBING HUNG FROM: 1BG BONNET THREADS IN: STRING TENSION			
DATE RAN : 92/10/09			

PGM: NW20100
PERIOD: 02
DATE: JAN 27, 1993
TIME: 08:49:21
PAGE: 2

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

FILE NOTE:

HOME SCURRY S. PIERSON
14-08-002-29 W1

14-8-2-29

ROD STRING:

LENGTH(M) TOP DEPTH(MKB)

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #SWU-41 73 MM X 38.1 MM RWAC 4.87 M X 1.52 M HOLLOW PULL TUBE, CORLOY/CHROME BARREL, SPRAY METAL PLUNGER, COMBO BALLS & SEATS, DOUBLE TRAVELLING VALVE MAXIMUM STROKE (114") 2.9 M.	.67	
1	19 MM PLAIN GRADE 78D 0.47 M PONY ROD	.47	
4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	24.60	
72	19 MM PLAIN GRADE 54D SUCKER RODS (NEW 92-10-09)	549.36	
58	19 MM X 73 MM NYLON SCRAPERED GRADE 78 D SUCKER RODS (NEW 92-10-09)	442.54	
1	19 MM X 73 MM NYLON SCRAPERED GRADE 78D 2.44 M PONY ROD	2.44	
1	19 MM PLAIN GRADE D 0.61 M PONY ROD	.61	
1	31.8 MM X 6.7 M X 19 MM GRADE QC POLISH ROD C/W 38.1 MM X 3.05 M LINER	6.70	

DATE RAN : 92/10/09

DATE	LOG	INTERVAL (M)	COMPANY
92/09/26	GAMMA RAY/COLLAR LOG	950.00 - 1044.00	JET PERFORATORS
92/09/16	DUAL INDUCTION LATEROLOG	131.00 - 1060.60	SCHLUMBERGER
92/09/16	COMP. NEUTRON-LITHO-DENS.	131.00 - 1060.60	SCHLUMBERGER
92/09/16	REPEAT FORM. TESTER	1030.00 - 1060.00	SCHLUMBERGER

NO CORES CUT

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
92/09/26	1022.00 - 1022.70	"A" SAND	HSC 90 DEG	102	OPEN PERFS	13	COMP. NEUT
92/09/26	1026.80 - 1029.20	"C" SAND	HSC 90 DEG	102	OPEN PERFS	13	COMP. NEUT
92/09/26	1030.00 - 1031.20	"C" SAND	HSC 90 DEG	102	OPEN PERFS	13	COMP. NEUT

NO DSTS REQUESTED

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE (M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-521.0	1000.0		REDBEDS, SH
ASAN	"A" SAND	-542.0	1020.0		SLTST/SS
BSAN	"B" SAND	-545.0	1023.0		SLTST/SS
CSAN	"C" SAND	-548.0	1026.5	X	SLTST/SS
MSUC	MISSISSIPPIAN UNCONF	-561.0	1038.0		ANHYDRITE/DOL
MSPR	MISSISSIPPIAN POROSI	-581.0	1046.5		LIMESTONE/DOL
FTD	F.T.D.	-583.0	1060.6		

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:49:21
PAGE: 3

FILE NOTE:

HOME SCURRY S. PIERSON
14-08-002-29 w1

14-8-2-29

HISTORY:

DIRECTIONS TO LOCATION: FROM WEST SIDE OF PIERSON, 6.4 KM SOUTH,
4.0 KM WEST, 0.4 KM SOUTH TO LOCATION.

DRILLING HISTORY:

SPUD DATE: 92-09-12 R.R. DATE: 92-09-16
CONTRACTOR: VIPER 1 K.B. TO CASING FLANGE: 4.0 M

SURFACE HOLE:

SIZE 311 MM
NO ABNORMAL DRILLING CONDITIONS
NO ABNORMAL CEMENTING CONDITIONS

MAIN HOLE:

SIZE 200 MM MUD SYSTEM: GEL CHEM
NO ABNORMAL DRILLING CONDITIONS
NO ABNORMAL CEMENTING CONDITIONS
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: LEAD 800 - SURFACE
TAIL 1061 - 800 M

1992-09-21

INITIAL COMPLETION. CLEANOUT TO PBTD WITH BIT/
TUBING. DISPLACE TO OIL, SWAB UNDERBALANCE. PERK
SPEARFISH. CONDUCT GELLED DIESEL SAND FRAC.
SAND TRANSPORT FAILED DURING FRAC. FLUSHED EARLY.
PLACED 4 T OF 600 KG/M3 STAGE. REFRAC NEXT DAY.
SAND OFF WITH 1.6 T OF 600 KG/M3 STAGE PLACED.
SUSPECT SAND OFF RESULTED FROM INSUFFICIENT PAD
AND LOSS OF FRAC WIDTH DUE TO REFRAC. SWAB RECOVER
8.25 M3 LOAD FLUID. INSTALLED YELLOWBAND TUBING,
TRANSFER FROM 6-7-2-29. INSTALLED NEW 66 STRING
GRADE D RODS, 1.50" HOLLOW PULL TUBE PUMP.

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:50:19
PAGE: 1

FILE NOTE:

WELL NAME: HOME ET AL S. PIERSON 16-8-2-29
WELL LOCATION: LSD 16, SEC 08, TWP 002, RGE 29, W1
AFE NUMBER: HOC 112112
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 477.50
GRD - 473.30
DEPTHS: TD - 1110.00
PBTD - 1095.00
SURFACE CASING: 9 JOINTS, 219.0 MM, 35.7 KG/M, J55, 8RD-ST&C, 120.2 M
CEMENTED WITH:
LEAD: 12.0 TONNES "A", M3 RETURNS,
0:0:0 + 3.00% CACL2
LANDED AT: 120.0 M
INTERMEDIATE CASING: NO INTERMEDIATE CASING
PRODUCTION CASING: 97 JOINTS, 139.7 MM, 20.8 KG/M, J-55, 8RD ST&C, 1115.4 M
CEMENTED WITH:
LEAD: 24.0 TONNES "G", 3.0 M3 RETURNS,
1:1:4 + .50% T-10
TAIL: 10.0 TONNES "G", M3 RETURNS,
0:1:0 + .60% NFL-2
LANDED AT: 1110.0 M
CEMENT TOP AT: 515.0 M
WELLHEAD: CASING BOWL : WELLHEAD CONTROLS C22 SIZE 203 SERIES #600 SLIP ON
CB SIDE VALVES : 2 SIZE 50.8, MAKE: WKM/OCT, TYPE: GATE

HOME ET AL S. PIERSON
16-08-002-29 W1

16-8-2-29

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	60.3 MM ELDER PUMP OUT SUB, SHEARED	.20	1016.66
1	60.3 MM X 47.63 MM (1.87") "XN" OTIS PROFILE NIPPLE	.25	1016.41
1	60.3 MM X 1.85 M J-ERW EUE PUP JOINT	1.85	1014.56
1	60.3 MM X 139.7 MM BAKER A-2 LOK-SET PACKER (BOTTOM TO TOP RUBBER)	.75	1013.81
	(TOP TO TOP RUBBER)	.46	1013.35
105	60.3 MM 6.99 KG/M J-ERW EUE TK-99 INTERNALLY COATED TUBING	994.73	18.62
3	60.3 MM 6.99 KG/M J-ERW EUE TK-99 INTERNALLY COATED PUP JOINTS (3 X 1.8 M)	5.52	13.10
1	60.3 MM 6.99 KG/M J-ERW EUE TK-99 INTERNALLY COATED TUBING	9.61	3.49
	DIFFERENCE BETWEEN TOOL MAKEUP & TUBING COMPRESSION	.18	3.67
	K.B. CORRECTIONS	3.67	

NOTE: OTIS "XN" NIPPLE, 1.85 M PUP JOINT & LOK-SET PACKER ARE IMPREGLOINED INTERNALLY & EXTERNALLY. ALL TUBING CONNECTIONS MADE UP USING THREAD TECH SEAL LUBE PIPE DOPE & NEW SHAMROCK SEALS IN MODIFIED COLLARS

TUBING BOTTOM AT: 1016.86 M K.B.
TUBING HUNG FROM: TBG BONNET THREADS IN: 5000 COMPRESSION
DATE RAN : 92/10/18

ROD STRING: NO ROD STRING IN HOLE

DATE	LOG	INTERVAL (M)	COMPANY
85/11/29	GAMMA RAY/COLLAR LOG	895.00 - 1093.00	JET PERFORATORS
85/11/26	CEMENT BOND	900.00 - 1093.00	SCHLUMBERGER
85/10/27	DUAL INDUCTION LATEROLOG	119.50 - 1109.80	DRESSER ATLAS
85/10/27	ACOUSTIC SIGNATURE	119.50 - 1101.50	DRESSER ATLAS
85/10/27	COMP. NEUTRON-LITHO-DENS.	119.50 - 1101.50	DRESSER ATLAS

NO	DATE	INTERVAL (M)	CUT	REC'D FORM	FORMATION DESCRIPTION
1	85/10/25	1017.00 - 1035.00	18.00	17.55	LOWER AMARANTH

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M REFERENCE
85/11/29	1018.00 - 1020.00	LOWER AMARANTH	HSC	101	OPEN PERFS	13
85/11/29	1023.00 - 1029.00	LOWER AMARANTH	HSC	101	OPEN PERFS	13

DRILL STEM TESTS: NO DSTS REQUESTED

PGM: NW20100
PERIOD: 04

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

FILE NOTE:

HOME ET AL S. PIERSON
16-08-002-29 W1

16-8-2-29

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SPKZ	SPARKY ZONE		549.0	X	
SWNR	SWAN RIVER		680.5		
LAMR	LOWER AMARANTH		998.0		
ALID	ALIDA		1036.0		

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:50:19
PAGE: 4

FILE NOTE:

HOME ET AL S. PIERSON
16-08-002-29 w1

16-8-2-29

HISTORY:

DRILLING HISTORY:

SPUD: 85-10-22
R.R. DATE: 85-10-27
CONTRACTOR: RED ARROW DRLG #2
KB TO CSG FLANGE: 4.0 M

SURFACE HOLE:

SIZE: 311 MM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO

MAIN HOLE:

SIZE: 200 MM
MUD SYSTEM TYPE: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
LICENSED CEMENT TOP: SURFACE
LOGGED CEMENT TOP: 515 M

1985-11-02

INITIAL COMPLETION. BOND LOG. PERF SPEARFISH AT
UNDERBALANCE. CONDUCT POLYEMULSION SAND FRAC,
PLACED 25 T IN FORMATION. SWAB TEST 4 DAYS.
CONDUCT PRESSURE BUILDUP. INSTALLED ARTIFICIAL
LIFT.

1992-05-25

PUMP REPAIR.

1992-10-13

CONVERT TO WATER INJECTION. INSTALL YELLOWBAND
TK 99 TUBING, MODIFIED COUPLINGS, SEAL LUBE.

FILE NOTE:

WELL NAME: HOME ET AL S. PIERSON 2-9-2-29

WELL LOCATION: LSD 02, SEC 09, TWP 002, RGE 29, W1

LICENCE NO: 4307

APE NUMBER: HOC 112103

FIELD OFFICE: ESTEVAN

ELEVATIONS: KB - 477.28
GRD - 473.00

DEPTHS: TD - 1051.00
PBD - 1036.80 TBG TAG 92-09-17

SURFACE CASING: 11 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C, 140.9 M
CEMENTED WITH:
LEAD: 14.0 TONNES "A", .5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 140.0 M

INTERMEDIATE CASING

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, M-50, ST&C-8RD, 1051.9 M
CEMENTED WITH:
LEAD: 19.0 TONNES " ", 3.5 M3 RETURNS,
2:1:8 + .25% FRC-3 + .10% DFM3
TAIL: 7.0 TONNES "T", M3 RETURNS,
0:0:0 + 1.00% CA-2
LANDED AT: 1051.0 M

WELLHEAD:

CASING BOWL : DRH 273 MM X 14 MPA, 219 MM CASING
CB SIDE VALVES : 50.8 MM SURF VENT, OPP SIDE BULLPLUGGED
TUBING HEAD : FMC T-16, 179.4 MM 14 MPA, 139.7 MM CASING WELD-ON
TH SIDE VALVES : WKM 50.8 MM BALL VALVE EACH SIDE
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE UP X 73 MM EUE SUSP
MASTER VALVE : PUMPING STYLE

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE MULESHOE COLLAR	.13	1031.88
1	73 MM 9.67 KG/M J-55 EUE YELLOWBAND TUBING	9.47	1022.41
1	73 MM EUE FRICTION 57.91 MM API PSN	.33	1027.08
107	73 MM 9.67 KG/M J-55 EUE YELLOWBAND TUBING	1015.11	6.97
1	73 MM 9.67 KG/M J-55 EUE GOOD USED 1.88 M PUP JT	1.88	5.09
1	73 MM 9.67 KG/M J-55 EUE GOOD USED 1.27 M PUP JT	1.27	3.82
	K.B. CORRECTION		
	TUBING BOTTOM AT: 1032.01 MKB		
	TUBING HUNG FROM: TBG BONNET THREADS IN: STRING TENSION		
	DATE RAN : 92/09/30		

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:52:57
PAGE: 2

FILE NOTE:

HOME ET AL S. PIERSON
02-09-002-29 w1

2-9-2-29

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM 1/4, 73 MM X 38.1 MM RWAC 4.87 M X 1.22 M HOLLOW PULL TUBE, CORLOY/CHROME BARREL, SPRAY METAL PLUNGER, MASTERLOY BALLS & SEAT, SUPREME FITTINGS, DOUBLE TRAVELLING VALVE, MAXIMUM STROKE 3.20 M (126")	.69 .52 24.60 549.36	
1	19 MM PLAIN GRADE D PONY RODS		
4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	442.54	
72	19 MM PLAIN GRADE C SUCKER RODS (USED)	2.44	
58	19 MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS (USED)	6.70	
1	19 MM X 73 MM NYLON SCRAPERED GRADE D 2.44 M PONY ROD		
1	31.8 MM X 6.7 M X 19 MM PIN POLISH ROD C/W 38.1 MM X 3.05 M LINER		

DATE RAN : 92/09/30

DATE	LOG	INTERVAL (M)	COMPANY
92/09/17	GAMMA RAY/COLLAR LOG	950.00 - 1025.50	JET PERFORATORS
92/08/30	COMP. NEUTRON-LITHO-DENS.	140.00 - 1041.00	SCHLUMBERGER
92/08/30	PHASOR INDUCTION - SFL	140.00 - 1047.50	SCHLUMBERGER
92/08/30	REPEAT FORM. TESTER	950.00 - 1045.40	SCHLUMBERGER

LOGS:

PERFORATIONS:	DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
	92/09/18	1024.00 - 1028.50	"C" SAND	HSC 120 DE	102	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS:

FORMATIONS:	CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	LAMR	LOWER AMARANTH	-523.0	997.5		REDBEDS, SH
	ASAN	"A" SAND	-544.0	1018.8		SLTST/SS
	BSAN	"B" SAND	-547.0	1022.0		SLTST/SS
	CSAN	"C" SAND	-549.0	1024.5		SLTST/SS
	MSUC	MISSISSIPPIAN UNCONF	-556.0	1034.5		ANHYDRITE DOL
	MSPR	MISSISSIPPIAN POROSI	-558.0	1037.0		LIMESTONE/DOL
	FTD	F.T.D.	-576.0	1050.0		

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:52:57
PAGE: 3

FILE NOTE:

HOME ET AL S. PIERSON
02-09-002-29 w1

2-9-2-29

HISTORY:

DIRECTIONS TO LOCATION: FROM WEST SIDE OF PIERSON, 6.4 KM SOUTH,
1.6 KM WEST, 1.6 KM SOUTH, 0.8 KM WEST, NORTH TO LOCATION.

DRILLING HISTORY:

SPUD DATE: 92-08-25 R.R. DATE: 92-08-31
CONTRACTOR: VIPER 1 K.B. TO CASING FLANGE: 4.0 M

SURFACE HOLE: SIZE: 311 MM

ABNORMAL DRILLING CONDITIONS: STUCK AT 80 M,
JARRED FREE
NO ABNORMAL CEMENTING CONDITIONS

MAIN HOLE:

SIZE: 200 MM MUD SYSTEM: GEL CHEM
NO ABNORMAL DRILLING CONDITIONS
NO ABNORMAL CEMENTING CONDITIONS
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: LEAD 800 - SURFACE
TAIL 1051 - 800 M

1992-09-16

INITIAL COMPLETION. PERFD SPEARFISH AT
UNDERBALANCE. CONDUCT GELLED DIESEL SAND FRAC.
PLACED 4.7 T SAND IN FORMATION. SWAB 16 M3 LOAD
FLUID. INSTALLED ARTIFICIAL LIFT. TUBING AND RODS
FROM 7-24-2-30, TUBING INSPECTED. INSTALLED 1.50"
HOLLOW PULL TUBE PUMP.

PGM: NW20100
PERIOD: 05

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:53:52
PAGE: 1

FILE NOTE:

WELL NAME: HOME ET AL S. PIERSON 4-9-2-29
WELL LOCATION: LSD 04, SEC 09, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 476.20
GRD - 471.80
DEPTHS: TD - 1100.00
PBTD - 1040.00 BP WITH CMT.
SURFACE CASING: 9 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C, 118.6 M
CEMENTED WITH:
LEAD: 13.0 TONNES "G", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 118.0 M

INTERMEDIATE CASING

PRODUCTION CASING: NO INTERMEDIATE CASING
89 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C, 1100.8 M
CEMENTED WITH:
LEAD: 16.8 TONNES "G", 2.0 M3 RETURNS,
2:1:8 + 50% T-10
TAIL: 10.6 TONNES "G", M3 RETURNS,
0:1:0 + .10% CACL2 + .50% NFL-3 + .10% SPA
LANDED AT: 1100.0 M

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE MULESHOED TUBING COLLAR	.10	1039.86
1	73 MM 9.67 KG/M J-55 EUE NEW TUBING	9.55	1030.31
1	73 MM X 57.91 MM PROFILE FRICTION API PSN	.33	1029.98
108	73 MM 9.67 KG/M J-55 EUE NEW TUBING	1026.00	3.98
1	K.B. CORRECTION		

TUBING BOTTOM AT: 1039.96 M K.B.
TUBING HUNG FROM: TBG BONNET THREADS IN: STRING TENSION
DATE RAN : 90/05/10

HOME ET AL S. PIERSON
04-09-002-29 W1

4-9-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM166, 73 MM X 44.45 MM RHAC 3.66 X 1.52 M X 1.22 M. MAXIMUM STROKE 2.90 M.	.31	1029.67
1	19.0 MM PLAIN GRADE D PONY ROD	.61	1029.06
4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	24.40	1004.66
12	19.0 MM X 73.0 MM RYTON SCRAPER GRADE QC SUCKER RODS	91.56	913.10
28	19.0 MM PLAIN GRADE QC SUCKER RODS, NEW COUPLINGS	213.64	699.46
32	19.0 MM PLAIN GRADE EL SUCKER RODS, NEW COUPLINGS	244.16	455.30
58	19.0 MM X 73 MM HUBER SCRAPER GRADE QC SUCKER	442.54	12.76
1	19MM X RYTON SCRAPERED PONY ROD	1.22	11.54
1	31.8 MM X 6.7 M X 19 MM PIN POLISH ROD WITH A	6.70	4.84
	38.1 MM X 3.66 M POLISH ROD LINER		

DATE RAN : 90/05/28

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
88/05/28	GAMMA RAY/COLLAR LOG	937.00 - 1087.70	JET PERFORATORS
88/05/15	CEMENT BOND	1000.00 - 1085.00	SCHLUMBERGER
88/05/15	CEMENT EVALUATION	1000.00 - 1085.00	SCHLUMBERGER
88/03/18	DUAL INDUCTION LATEROLOG	118.00 - 1098.00	SCHLUMBERGER
88/03/18	COMP. NEUTRON-LITHO-DENS.	990.00 - 1098.00	SCHLUMBERGER
88/03/18	SONIC	990.00 - 1097.00	SCHLUMBERGER
88/03/18	AUXILIARY MEASUREMENT	990.00 - 1099.00	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	88/03/18	1019.00 - 1032.60	13.60	13.60	SPRF	SPEARFISH
2	88/03/18	1032.60 - 1050.60	18.00	18.00	MSSP	MISSISSIPPIAN

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
88/07/09	1026.00 - 1028.50	SPEARFISH	HSC CASING	102	REPERF'D	13	COMP. NEUT
88/06/29	1026.00 - 1028.50	SPEARFISH	HSC CASING	102	OPEN PERFS	13	COMP. NEUT
88/05/28	1045.00 - 1048.50	MISSISSIPPIAN	HSC CASING	102	BELOW BP	13	COMP. NEUT
88/06/28	1059.00 - 1060.00	MISSISSIPPIAN	HSC CASING	102	BELOW BP	7	COMP. NEUT
88/06/27	1069.00 - 1070.00	MISSISSIPPIAN	HSC CASING	102	BELOW BP	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-75.0			SH
BFS	BASE OF FISH SCALES	-153.0			SH
MNVL	MANNVILLE	-217.0			SS, SH
JRSC	JURASSIC	-320.0			SH
AMRN	AMARANTH	-486.0			SH, EVAP
SPRF	SPEARFISH	-524.0	X		SH, SLTST, SS
MSSP	MISSISSIPPIAN	-559.0			LS, DOL, ANHYD
FTD	F.T.D.	-621.0			

PGM: NW20100
PERIOD: 05

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:53:52
PAGE: 3

FILE NOTE:

HOME ET AL S. PIERSON
04-09-002-29 W1

4-9-2-29

RESERVOIR:

PAY ZONE: MISSISSIPPIAN

PRESSURE: 10500 KPA 00/00/00

TEMP. : 43 C 00/00/00

H2S : 0.5000 % 00/00/00

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 05

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

FILE NOTE:

HOME ET AL S. PIERSON
04-09-002-29 w1

4-9-2-29

HISTORY:

1888 05-13

INITIAL COMPLETION. PERFORATED MISSISSIPPIAN.
ACID WASHED. SWAB TESTED 100% WATER.
ABANDONED WITH BRIDGE PLUG. PERFORATED
SPEARFISH. ACID SQUEEZE USING SELECTIVE
TOOLS. SAND FRAC USING BRINE (D.S. - DUAL
DIVERTEFRAC). SANDED OFF WITH 3 T 12/20 IN
FORMATION. INSTALLED ARTIFICIAL LIFT (NEW 66
STRING GRADE D).

1889-09-08

REPAIRED TUBING LEAK. FOUND CORROSION ON 8
JOINTS ABOVE PSN. REPLACED 9 JOINTS WITH PLASTIC
LINED TUBING OVER CORRODED AREA. INCREASED PUMP
SIZE TO 44.4 MM.

1990-05-09

REPAIR TUBING LEAK. HOLE IN JOINT #68 FROM
SURFACE. 39 JTS ABOVE PSN (645 M). LAID DOWN
ENTIRE TUBING SIRING FOR INSPECTION, RAN NEW
STRING FOR REPLACEMENT & TO USE AS BASE FOR
FUTURE CORROSION MONITORING.

1990-05-28

REPAIRED PARTED RODS AT 571 M (75TH ROD FROM
SURFACE). PART DUE TO CORROSION. LOWER 45 RODS,
SINKER BARS & PUMP SEVERELY CORRODED. REPLACED
WITH USED GRADE D & EL RODS (EL RODS FROM BA-22).

DATE: JAN 27, 1993
TIME: 08:53:52
PAGE: 4

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:54:51
PAGE: 1

FILE NOTE:

WELL NAME: HOME ET AL S. PIERSON 6-9-2-29
WELL LOCATION: LSD 06, SEC 09, TWP 002, RGE 29, W1
LICENCE NO: 4308
AFE NUMBER: HOC 112106
FIELD OFFICE:
ELEVATIONS: KB - 478.50
GRD - 474.22

DEPTHS: TD - 1051.00
PBD - 1037.65 TBG TAG, POSSIBLE DEBRIS
SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C, M
CEMENTED WITH:
LEAD: 15.0 TONNES "A", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 132.0 M

INTERMEDIATE CASING

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, M-50, ST&C, 1051.9 M
CEMENTED WITH:
LEAD: 20.0 TONNES "G", 3.2 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 8.5 TONNES "T", M3 RETURNS,
0:0:0 + 1.00% CA-2
LANDED AT: 1051.0 M

WELLHEAD: CASING BOWL : DRH 273 MM 14 MPA, 219 MM CASING
CB SIDE VALVES : 50.8 MM SURF VENT, OPP SIDE BULL PLUG
TUBING HEAD : FMC T-16 179.4 MM 14 MPA X 139.7 MM CASING WELD-ON
TH SIDE VALVES : WKM 14 MPA BALL VALVE 50.8 MM LP EACH SIDE
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE UP X 73 MM EUE SUSP
MASTER VALVE : PUMPING STYLE

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM MULESHOE COLLAR	.13	1030.51
1	73 MM 9.67 KG/M J-55 EUE TUBING, YELLOWBAND	9.65	1020.86
1	73 MM USED API PSN	.33	1020.53
107	73 MM 9.67 KG/M J-55 EUE TUBING, YELLOWBAND K.B. CORRECTION	1016.78	3.75
TUBING BOTTOM AT: 1030.64 MKB			
TUBING HUNG FROM: TBG BONNET THREADS IN: STRING TENSION			
DATE RAN : 92/10/08			

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:54:51
PAGE: 2

FILE NOTE:

HOME ET AL S. PIERSON
06-09-002-29 w1

6-9-2-29

QTY	ROD STRING:	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1		BHP #HOM 904, 73 MM X 50.8 MM RWAC 4.27 M X 1.22 M HOLLOW PULL TUBE STEEL/CHROME BARREL, MASTERLOY BALLS & SEATS C/W 25.4 MM X 5.19 M EXTENSION & 0.35 M STRAINER NIPPLE, MAXIMUM STROKE 2.59 M		
1		19 MM X 0.56 M PLAIN GRADE 78 D PONY ROD	.54	1019.99
4		38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	.45	1019.43
72		19 MM PLAIN GRADE 54 D SUCKER RODS	24.60	994.83
58		19 MM X 73 MM NYLON SCRAPERED GRADE 78 D SUCKER RODS	549.36	445.47
1		31.8 MM X 6.7 M X 19 MM PIN GRADE QC POLISH ROD C/W 38.1 MM X 3.05 M POLISH ROD LINER & 1 - 19 MM X 0.6 M PLAIN GRADE 78 D PONY ROD ON TOP	442.54	2.93
	DATE RAN : 92/10/20		6.70	-3.77

COMPANY
JET PERFORATORS
SCHLUMBERGER
SCHLUMBERGER
SCHLUMBERGER

INTERVAL (M)
950.00 - 1036.00
132.00 - 1050.00
132.00 - 1050.00
1030.00 - 1050.00

DATE LOG
92/09/23 GAMMA RAY/COLLAR LOG
92/09/06 DUAL INDUCTION LATEROLOG
92/09/06 COMP. NEUTRON-LITHO-DENS.
92/09/06 REPEAT FORM. TESTER

LOGS:
CORES:
NO CORES CUT

PERFORATIONS:
DATE INTERVAL (M) FORMATION
92/09/23 1018.80 - 1019.80 "A" SAND
92/09/23 1024.00 - 1027.50 "C" SAND

GUN TYPE DIA
HSC 120 DE 102
HSC 120 DE 102

PERF STATUS SHOTS/M REFERENCE
OPEN PERFS 13 COMP. NEUT
OPEN PERFS 13 COMP. NEUT

DRILL STEM TESTS:
NO DSTS REQUESTED

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-521.0	998.5		REDBEDS, SH
ASAN	"A" SAND	-542.0	1018.5		SLTST/SS
BSAN	"B" SAND	-545.0	1021.0		SLTST/SS
CSAN	"C" SAND	-548.0	1024.0	X	SLTST/SS
MSUC	MISSISSIPPIAN UNCONF	-554.0	1033.5		ANHYDRITE DOL
MSPR	MISSISSIPPIAN POROSI	-556.0	1036.0		LIMESTONE/DOL
FTD	F.T.D.	-574.0	1050.2		

ARTIFICIAL LIFT EQUIPMENT:
NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 08:54:51
PAGE: 3

FILE NOTE:

HOME ET AL S. PIERSON
06-09-002-29 W1

6-9-2-29

HISTORY:

DIRECTIONS TO LOCATION:

DRILLING HISTORY:

SPUD DATE: 92-09-01 R.R. DATE: 92-09-06
CONTRACTOR: VIPER 1 K.B. TO CASING FLANGE: 4.0 M

SURFACE HOLE:

SIZE 311 MM
NO ABNORMAL DRILLING CONDITIONS
NO ABNORMAL CEMENTING CONDITIONS

MAIN HOLE:

SIZE 200 MM MUD SYSTEM: GEL CHEM
NO ABNORMAL DRILLING CONDITIONS
NO ABNORMAL CEMENTING CONDITIONS
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: LEAD 800 - SURFACE
TAIL 1051 - 800 M

1992-09-21

INITIAL COMPLETION. RIH BIT/TUBING FOR CLEANOUT.
DISPLACE TO OIL, SWAB UNDERBALANCE. PERFD
SPEARFISH. CONDUCT GELLED DIESEL SAND FRAC. PLACED
6.7 T SAND IN FORMATION. SWAB 14 M3 LOAD FLUID.
INSTALLED YELLOWBAND TUBING, NEW 66 STRING GRADE D
RODS WITH 1.50" HOLLOW PULL TUBE PUMP.
PUMP WAS PULLED ON 92-10-19 DUE TO PERSISTANT
PROBLEMS. SAND WAS NOTED AT TUBING BOTTOM. AFTER
CIRC CLEAN AND AGGRESSIVE SWABBING, INSTALLED 2.00"
HOLLOW PULL TUBE PUMP IN ORDER TO PUMP DOWN CASING
FLUID MORE RAPIDLY.

NOTE: TUBING BECAME TEMPORARILY STUCK AT PBTD DURING SAND
CLEANOUT, CAUTION REQUIRED ON FUTURE CLEANOUTS.

FILE NOTE: SPIER 91-1119

WELL NAME: HOME/SCURRY S. PIERSON 8-9-2-29
WELL LOCATION: LSD 08, SEC 09, TWP 002, RGE 29, W1
AFE NUMBER: HOC 111103
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 473.52
GRD - 469.37
DEPTHS: TD - 1075.00
PBTD - 1028.85 BP / 3 M CMT
SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, K55, ST&C, 129.4 M
CEMENTED WITH:
LEAD: 13.0 TONNES "G", 2.0 M3 RETURNS,
0:1:0 + 2.00% CACL2
LANDED AT: 129.4 M

NO INTERMEDIATE CASING

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 23.8 KG/M, J55, LT&C, 1073.5 M
CEMENTED WITH:
LEAD: 22.5 TONNES "G", 2.0 M3 RETURNS,
1:1:4 + .50% CFR-2
TAIL: 9.0 TONNES "G", M3 RETURNS,
0:1:0 + .75% HALAD + .25% CFR-2
LANDED AT: 1073.0 M
1.5 T 1:1:4 SCAVENGER AT 1300 KG/M

WELLHEAD: CASING BOWL : CROWN 228.6 MM 14 MPA X 219.1 MM CASING
CB SIDE VALVES : 58.8 MM LP THRD SURFACE VENT KIT
TUBING HEAD : OCT T-16 228.6 MM 14 MPA X 179.4 MM 14 MPA
TH SIDE VALVES : 50.8 MM LP X 14 MPA BALL VALVES EACH SIDE
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE TOP & BOTTOM THRD
MASTER VALVE :)
FLOW TEE :) STANDARD PUMPING - 73 MM EUE RATIGAN & FLOWTEE W/ 79.4 MM
WING VALVE :) LP TOP THREAD.

TUBING STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	73MM EUE SAWTOOTH COLLAR	.12	1028.49
	1	73MM 9.67 KG/M J-55 EUE TUBING	9.52	1018.97
	1	73MM API PSN (FRICTION 57.91MM)	.33	1018.64
	107	73MM 9.67 KG/M J-55 EUE TUBING	1010.07	8.57
	1	73MM 9.67 KG/M J-55 EUE 3.08M PUP JOINT	3.08	5.49
	1	73MM 9.67 KG/M J-55 EUE 1.79M PUP JOINT	1.79	3.70
		KB CORRECTION		
		TUBING BOTTOM AT: 1028.61		
		TUBING HUNG FROM: TUBING BONNET THRDS IN: STRING TENSION		
		DATE RAN : 91/06/20		

PGM: NW20100

PERIOD: 06

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:55:47
PAGE: 2

FILE NOTE: SPIER 91-119

HOME/SCURRY S. PIERSON
08-09-002-29 W1

8-9-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM 905 73MM X 31.8MM RWAC 4.27M X 1.22M		
	H & H BARREL, MAXIMUM STROKE 2.90M	.45	
1	19MM X 0.60M PLAIN GRADE 'D' PONY ROD	.60	
4	31.8MM X 6.1M X 19MM PIN SINKER BARD	24.60	
68	19MM PLAIN GRADE 'D' SUCKER RODS	518.84	
60	19MM X 73MM NYLON SCRAPERED GRADE 'D' SUCKER RODS	457.80	
5	19MM X 73MM NYLON SCRAPERED GRADE 'D' PONY RODS,		
	1 - 1.83, 4 - 1.22M		
1	31.8MM X 6.7M X 19MM PIN POLISH ROD C/W 38.1MM X	6.71	
	3.66M LINER & 1 - 19MM X 0.6M PLAIN GRADE 'D'		
	PONY ROD ON TOP.		
DATE RAN : 91/06/24			

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
87/03/23	GAMMA RAY/COLLAR LOG	885.00 - 1058.70	JET PERFORATORS
87/01/12	CEMENT BOND	900.00 - 1058.00	SCHLUMBERGER
86/12/15	DUAL INDUCTION LATEROLOG	-	SCHLUMBERGER
86/12/15	COMP. NEUTRON-LITHO-DENS.	-	SCHLUMBERGER
86/12/15	AUXILIARY MEASUREMENT	-	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	86/12/15	1010.50 - 1028.50	18.00		SPRF	SPEARFISH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
91/06/04	1020.50 - 1026.50	SPEARFISH	HSC 90	DEG 101	OPEN PERFS	13	
87/03/23	1033.50 - 1035.00	MISSISSIPPIAN	HSC	102	BELOW BP	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-68.0	545.0		SH
BFS	BASE OF FISH SCALES	-146.0	619.2		SH
MNVL	MANNVILLE	-208.0	684.0		SS & SH
JRSC	JURASSIC	-316.0			SH
AMRN	AMARANTH	-481.0	967.0		SH & EVAPORITES
SPRF	SPEARFISH	-516.0	992.0	X	SS, SILT & SH
MSSP	MISSISSIPPIAN	-556.0	1032.0		DOL.ANHYDRITE,LS
FTD	F.T.D.	-600.0	1076.0		

RESERVOIR:

PAY ZONE: MISSISSIPPIAN
PRESSURE: 10551 KPA
TEMP.: 42 C

87/03/31
87/03/31

PGM: NW20100
PERIOD: 06

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:55:47
PAGE: 3

FILE NOTE: SPIER 91-119

ARTIFICIAL LIFT EQUIPMENT:

PUMP JACK:

MAKE: NATIONAL
AVAILABLE STROKE LENGTHS (IN): 51.0 / 62.0 / 74.0 / 0.0
DIRECTION OF ROTATION: CLOCKWISE
PRIME MOVER: MODEL (ELECTRIC)
H.P.: 15.0 / 0.0 / 0.0
JACK SHAFT: N (V/N) SHEAVE SIZE (IN): 6.0

SIZE: 114 X 173

PRESENT OPERATING CONDITIONS:

S.P.M: 0.0 STROKE LENGTH (IN): 62.0
DATE OF LAST ENTRY: 1991 / 06 / 20

COMMENTS:

PGM: NW20100

PERIOD: 06

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:55:47
PAGE: 4

FILE NOTE: SPIER 91-119

8-9-2-29

HOME/SCURRY S. PIERSON
08-09-002-29 w1

HISTORY:

DIRECTIONS TO LOCATION FROM PIERSON MANITOBA:
1 MILE WEST ON HIGHWAY 3, 4 1/2 MILES SOUTH,
1/4 MILE WEST SOUTH TO LOCATION.

DRILLING HISTORY:

SPUD DATE: 86-13-12 R.R. DATE: 86-12-12
CONTRACTOR: SEDCO DRILLING, RIG #98
K.B. TO CASING FLANGE: 4.2 M

SURFACE HOLE:
SIZE: 311 MM
CONDUCTOR BARREL: YES

MAIN HOLE:
SIZE: 200 MM
MUD SYSTEM: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

1987-03-21 INITIAL COMPLETION. PERFORATED MISSISSIPPIAN
WITH UNDERBALANCE. SWAB TEST. CONDUCT
PRESSURE BUILDUP.

1987-03-31 INSTALLED ARTIFICIAL LIFT.

1987-05-06 PERFORMED STIMULATION OF 72 HOUR XYLENE SOAK,
1000 L 15% HCL ACID WASH.

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 10-9-2-29

WELL LOCATION: LSD 10, SEC 09, TWP 002, RGE 29, WI

LICENCE NO: 4309

APE NUMBER: HOC 112102

FIELD OFFICE:

ELEVATIONS: KB - 475.84
GRD - 471.56

DEPTHS: TD - 1050.00
PBTD - 1035.00 PERF TAG 92-09-29

SURFACE CASING: 11 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C-8RD, 130.9 M
CEMENTED WITH:
LEAD: 15.0 TONNES "A", 1.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 130.0 M

INTERMEDIATE CASING

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, M-50, ST&C-8RD, 1050.9 M
CEMENTED WITH:
LEAD: 19.0 TONNES "G", 4.0 M3 RETURNS,
2:1:8 + .25% ERC-3 + .10% DFMR3
TAIL: 8.0 TONNES "T", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .15% DFMR3
LANDED AT: 1050.0 M

WELLHEAD:

CASING BOWL : DRH 273 MM X 14 MPA, 219 MM CSG
CB SIDE VALVES : 50.8 MM SURF VENT OPP SIDE BULLPLUGGED
TUBING HEAD : FMC T-16 179.4 MM X 14 MPA, 139.7 MM WELD-ON
TH SIDE VALVES : WKM 50.8 MM BALL VALVE EACH SIDE
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE UP X 73 MM EUE SUSP
MASTER VALVE : PUMPING STYLE

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE MULESHOE COLLAR	.13	1027.86
1	73 MM 9.67 KG/M J-ERW EUE TUBING	9.48	1018.38
1	73 MM FRICTION 57.91 MM API PSN	.33	1018.05
107	73 MM 9.67 KG/M J-ERW EUE TUBING	1014.18	3.87
K.B. CORRECTION			
TUBING BOTTOM AT: 1027.99 MKB			
TUBING HUNG FROM: TBG BONNET THREADS IN: STRING TENSION			
DATE RAN : 92/10/06			

FILE NOTE:

HOME SCURRY S. PIERSON
10-09-002-29 W1

10-9-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #LASDB-2, 73 MM X 38.1 MM RWAC 4.87 M X 1.52 M HOLLOW PULL TUBE WITH 5.74 M INTAKE EXTENSION (31.8 MM) & 0.34 M EXTENSION SCREEN, CORLOY/ CHROME BARREL, SPRAY METAL PLUNGER, COMBO BALLS & SEATS, DOUBLE TRAVELLING VALVE MAXIMUM STROKE (114") 2.90 M	.62 .60	
1	19 MM X 0.50 M PLAIN GRADE D PONY ROD		
4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS (NEW 92-10-06)	24.60 549.36	
72	19 MM PLAIN GRADE 54D SUCKER RODS (NEW 92-10-06)		
56	19 MM X 73 MM NYLON SCRAPER GRADE 30C SUCKER RODS (NEW 92-10-06)	427.28	
3	19 MM X 73 MM NYLON SCRAPER GRADE 78D PONIES 8', 6', 6'	5.49	
1	31.8 MM X 6.7 M X 19 MM PIN GRADE QC POLISH ROD C/W 38.1 MM X 3.05 M POLISH ROD LINER	6.70	

DATE RAN : 92/10/06

LOG

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
92/09/29	GAMMA RAY/COLLAR LOG	950.00 - 1035.00	JET PERFORATORS
92/09/21	DUAL INDUCTION LATEROLOG	130.00 - 1050.00	SCHLUMBERGER
92/09/21	COMP. NEUTRON-LITHO-DENS.	130.00 - 1050.00	SCHLUMBERGER
92/09/21	REPEAT FORM. TESTER	1030.00 - 1050.00	SCHLUMBERGER

CORES:

NO CORES CUT

DATE

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
92/09/29	1016.60 - 1017.80	"A" SAND	HSC 90	DEG 102	OPEN PERFS	13	COMP. NEUT
92/09/29	1019.80 - 1020.50	"B" SAND	HSC 90	DEG 102	OPEN PERFS	13	COMP. NEUT
92/09/29	1021.80 - 1023.50	"C" SAND	HSC 90	DEG 102	OPEN PERFS	13	COMP. NEUT
92/09/29	1024.00 - 1025.20	"C" SAND	HSC 90	DEG 102	OPEN PERFS	13	COMP. NEUT

PERFORATIONS:

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-519.0	994.5		REDBEDS, SH
ASAN	"A" SAND	-538.0	1013.5		SLTST/SS
BSAN	"B" SAND	-542.0	1016.5		SLTST/SS
CSAN	"C" SAND	-545.0	1020.5		SLTST/SS
MSUC	MISSISSIPPIAN UNCONF	-551.0	1032.0		ANHYDRITE DOL
MSPR	MISSISSIPPIAN POROSI	-567.0	1034.0		LIMESTONE/DOL
FTD	F.T.D.	-571.0	1050.0		

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PCM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE:

HOME SCURRY S. PIERSON
10-09-002-29 w1

10-9-2-29

HISTORY:

DIRECTIONS TO LOCATION: FROM WEST SIDE OF PIERSON, 6.4 KM SOUTH,
1.6 KM WEST, 0.8 KM SOUTH, 0.8 KM WEST, 0.2 KM NORTH TO
LOCATION.

DRILLING HISTORY:

1992-09-27 INITIAL COMPLETION. RIH TUBING, DISPLACE TO OIL,
SWAB UNDERBALANCE. PERFO SPEARFISH. CONDUCT
DIESEL SAND FRAC. PLACED 2 T BEFORE WELL SANDED OFF
SWAB 9 M3 LOAD FLUID. INSTALLED NEW TUBING STRING,
NEW 66 ROD STRING WITH 1.50" HOLLOW PULL TUBE PUMP.

DATE: JAN 27, 1993
TIME: 08:56:51
PAGE: 3

PGM: NW20100
PERIOD: 03

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:57:59
PAGE: 1

FILE NOTE: PIER 88-164

WELL NAME: HOME/SCURRY S. PIERSON 12-9-2-29
WELL LOCATION: LSD 12, SEC 09, TWP 002, RGE 29, W1
AFE NUMBER: HOC 128159
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN

ELEVATIONS:
KB - 477.80
GRD - 472.48

DEPTHS:
TD - 1100.00
PBTD - 1080.80

SURFACE CASING:
9 JOINTS, 219.1 MM, 35.7 KG/M, J55, 120.3 M
CEMENTED WITH:
LEAD: 12.0 TONNES "G", 1.6 M3 RETURNS,
O:1:0 + 3.00% CACL2
LANDED AT: 119.0 M

INTERMEDIATE CASING:
NO INTERMEDIATE CASING

PRODUCTION CASING:
88 JOINTS, 139.7 MM, 20.8 KG/M, J55, 1099.9 M
CEMENTED WITH:
LEAD: 17.0 TONNES "G", M3 RETURNS,
O:1:0 + 1.50% CACL2
TAIL: 10.1 TONNES "G", M3 RETURNS,
O:1:0 + .90% NFL2 + .10% SPC12
LANDED AT: 1096.6 M
CEMENT TOP AT: 375.0 M
FLOAT COLLAR AT: 1050.0 M
ECP 1043 - 1050 FOAM/NEAT INTERFACE 890 M

WELLHEAD:
CASING BOWL : OCT 228.6 MM X 219.1 MM X 14 MPA
CB SIDE VALVES : 50.8 MM LP STANDARD SURFACE VENT ASSEMBLY
TUBING HEAD : OCT T-16 228.6 MM X 179.4 MM 14 MPA X 139.7 MM CASING
TH SIDE VALVES : 52.4 MM LP 14 MPA WKM GATE VALVES EACH SIDE
TH FLANGE : OCT 179.4 MM 14 MPA X 73 MM EUE X 73 MM EUE SUSP THRD
MASTER VALVE : }
FLOW TEE : } 73 MM EUE X 31.8 MM STANDARD PUMPING STYLE
WING VALVE : }

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM, EUE, 9.67 KG/M J-55 TUBING JOINT C/W COLLAR	9.59	1025.37
1	73 MM, EUE, API PUMP SEATING NIPPLE	.33	1025.04
109	73 MM, EUE, 9.67 KG/M, J-55 TUBING JOINTS K.B. TO C.F.	1021.44	3.60

TUBING BOTTOM AT: 1034.96 M K.B.
TUBING HUNG FROM: TUBING FLANGE
DATE RAN : 88/05/18 IN: STRING TENSION

PGM: NW20100
PERIOD: 03

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM
FILE NOTE: PIER 88-164

DATE: JAN 27, 1993
TIME: 08:57:59
PAGE: 2

HOME/SCURRY S. PIERSON
12-09-002-29 W1

12-9-2-29

QTY	DESCRIPTION	ROD STRING:	LENGTH(M)	TOP DEPTH(MKB)
1	NATIONAL PUMP 73 X 38.1 RWAC 4.6 M X 1.22 M S/N			
	HOM 150			
1	19 MM X 0.6 M PONY ROD		7.62	
1	38.1 MM X 7.62 M SINKER BAR		18.27	
3	38.1 MM X 6.09 M SINKER BARS		584.64	
72	19 MM GRADE "D" PLAIN RODS (NEW)		434.34	
57	19 MM GRADE "D" RYTON GUIDED RODS (NEW)		4.86	
3	19 MM PONY RODS (2 X 1.82 M, 1 X 1.22 M)		6.70	
1	31.8 MM X 6.7 M POLISHED ROD			
DATE RAN : 88/06/05				

DATE	LOG	INTERVAL (M)	COMPANY
88/05/10	GAMMA RAY/COLLAR LOG	1000.00 - 1080.00	JET PERFORATORS
88/05/10	FRAC HEIGHT LOG	905.00 - 1080.00	DRESSER ATLAS
88/02/27	CEMENT BOND	900.00 - 1078.10	SCHLUMBERGER
88/02/27	CEMENT EVALUATION	900.00 - 1080.30	SCHLUMBERGER
88/02/21	DUAL INDUCTION LATEROLOG	119.00 - 1096.00	SCHLUMBERGER
88/02/21	COMP. NEUTRON-LITHO-DENS.	990.00 - 1097.00	SCHLUMBERGER
88/02/21	SONIC	990.00 - 1078.00	SCHLUMBERGER

NO	DATE	INTERVAL (M)	CUT	REC'D FORM	FORMATION DESCRIPTION
1	88/02/20	1020.00 - 1038.00	18.00	18.00	SPRF SPEARFISH
2	88/02/20	1038.00 - 1056.00	18.00	18.00	MSSP MISSISSIPPIAN

PERFORATIONS: 88/05/10 1022.50 - 1025.50 SPEARFISH
DATE INTERVAL (M) FORMATION
GUN TYPE DIA PERF STATUS SHOTS/M REFERENCE
HSC CASING 101 OPEN PERFS 13 COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-90.0	567.0		SH
BFS	BASE OF FISH SCALES	-140.0	618.0		SH
MNVL	MANNVILLE	-204.0	682.0		SS, SH
JRSC	JURASSIC	-319.0	796.0		SH
AMRN	AMARANTH	-482.0	959.0		SH, EVAP
SPRF	SPEARFISH	-522.0	1000.0	X	SH, SLTST, SS
MSSP	MISSISSIPPIAN	-558.0	1033.0		LS, DOL, ANHYD
FTD	F.T.D.	-621.0	1098.0		

RESERVOIR: PAY ZONE: SPEARFISH
PRESSURE: 9700 KPA 88/06/04 BUILD-UP
TEMP. : 44 C 88/06/04 BUILD-UP

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 03

HOME/SCURRY S. PIERSON
12-09-002-29 W1

12-9-2-29

HISTORY:

1988 02 17

DRILLING.

1988-02-24

DRILL OUT/BOND LOG.

1988-02-24

INITIAL SPEARFISH COMPLETION. PERFORATED.
ACID WASH. SAND FRAC USING GELLED BRINE (12T
20/40 SAND) WITH DUAL DIVERTA-FRAC SYSTEM.
SWAB TESTED/FLOWED 72 M3/D, 15% WATER.
PRESSURE BUILD-UP.

1988-06-05

INSTALLED ARTIFICIAL LIFT (66 STRING NEW
GRADE D).

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE: PIER 88-164

DATE: JAN 27, 1993
TIME: 08:57:59
PAGE: 3

PGM: NW20100
PERIOD: 05

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:59:03
PAGE: 1

FILE NOTE:

WELL NAME: HOME/SCURRY S. PIERSON 14-9-2-29
WELL LOCATION: LSD 14, SEC 09, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 477.80
GRD - 473.25
DEPTHS: TD - 1080.00
PBTD - 1069.00
SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J55, ST&C, 129.8 M
CEMENTED WITH: 15.0 TONNES "G", 2.0 M3 RETURNS,
LEAD: 0:1:0 + 3.00% CACL2
LANDED AT: 129.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING
PRODUCTION CASING: 90 JOINTS, 139.7 MM, 20.8 KG/M, J55, ST&C, 1085.9 M
CEMENTED WITH:
LEAD: 9.0 TONNES "G", 3.0 M3 RETURNS,
TAIL: 0:1:0 + .90% NFL-3 + .10% SPC12
1:1:4 + .50% T10
LANDED AT: 1085.0 M

WELLHEAD: CASING BOWL : OCT 228.6 MM, 14 MPA X 139.7 MM X 219 MM
CB SIDE VALVES : 50.8 MM STD SURFACE CASING VENT ASSEMBLY
CASING SPOOL : N/A
CS SIDE VALVES : N/A
TUBING HEAD : OCT T-16 228.3 MM, 14 MPA 139.7 MM X 179.4 MM, 14 MPA
TH SIDE VALVES : WKM 52.4 MM X 50.8 MM L.P. 14 MPA GATE VALVES EACH SIDE
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE SUSP THRD X 73 MM EUE PIN
MASTER VALVE : }
FLOW TEE : } 73 MM EUE X 31.8 MM STANDARD PUMPING WELLHEAD ASSEMBLY
WING VALVE : }

TUBING STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	SAW TOOTH COLLAR	.20	1043.36
	1	73.0 M TAIL JOINT	9.70	1033.66
	19	73.0 MM PLASTIC COATED, FRICTION FIT PSN	.33	1033.33
	88	73.0 MM PLASTIC COATED JOINTS TUBING (NEW)	182.12	851.21
	1	73.0 MM JOINTS TUBING	836.39	14.82
	1	73.0 MM PUP JOINT TUBING	1.84	12.98
	1	73.0 MM JOINT TUBING	9.48	3.50
		KB CORRECTION		
		TUBING BOTTOM AT: 1043.56		
		TUBING HUNG FROM: TUBING HEAD FLANGE IN: STRING TENSION		
		DATE RAN : 90/01/23		

PGM: NW20100
PERIOD: 05

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:59:03
PAGE: 2

FILE NOTE:

HOME/SCURRY S. PIERSON
14-09-002-29 w1

14-9-2-29

QTY	ROD STRING:	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1		63.5 MM X 50.8 MM RWAC 4.27 M X 1.22 M PUMP S/N HOM149		
1		19.0 MM X 0.61 M PONY ROD	.61	
4		31.8 MM X 6.10 M SINKER BARS	24.40	
2		31.8 MM X 6.70 M SINKER BARS	13.40	
69		19.0 MM X 7.62 M PLAIN RODS	525.78	
58		19.0 MM X 7.62 M KYTON SCRAPERED RODS	441.96	
2		19.0 MM X 1.83 M RYTON SCRAPERED PONY RODS	2.44	
1		31.8 MM X 6.7 M POLISH ROD C/W 38.1 MM X 3.10 M	6.71	
DATE RAN : 90/01/23				

LOGS:	DATE	LOG	INTERVAL (M)	COMPANY
	88/03/05	FRAC HEIGHT LOG	988.00 - 1067.00	SCHLUMBERGER
	87/10/31	FRAC HEIGHT LOG	950.00 - 1042.00	SCHLUMBERGER
	87/10/26	GAMMA RAY/COLLAR LOG	917.00 - 1067.00	JET PERFORATORS
	87/10/24	CEMENT BOND	950.00 - 1053.50	SCHLUMBERGER
	87/09/18	DUAL INDUCTION LATEROLOG	129.00 - 1085.40	SCHLUMBERGER
	87/09/18	COMP. NEUTRON-LITHO-DENS.	129.00 - 1085.00	SCHLUMBERGER
	87/09/18	SONIC	129.00 - 1085.00	SCHLUMBERGER
	87/09/18	COMP. NEUTRON-LITHO-DENS.	129.00 - 1084.00	SCHLUMBERGER

CORES:									
NO	DATE	INTERVAL (M)		CUT	REC'D	FORM	FORMATION DESCRIPTION		
1	87/09/16	1022.00 - 1040.00		18.00	17.00	SPRF	SPEARFISH		
2	87/09/16	1040.00 - 1058.00		18.00	12.00	MSSP	MISSISSIPPIAN		
PERFORATIONS:									
DATE	INTERVAL (M)		FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M REFERENCE		
87/10/26	1022.70 - 1027.10		SPEARFISH	HSC	102	OPEN PERFS	13		

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:	CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	SSPK	SECOND WHITE SPECKS	-68.0	546.0		SH
	BFS	BASE OF FISH SCALES	-142.0	616.0		SH
	MNVL	MANNVILLE	-207.0	678.5		SS & SH
	JRSC	JURASSIC	-312.0	789.0		SH
	AMRN	AMARANTH	-477.0	957.0		SH & EVAP
	SPRF	SPEARFISH	-516.0	996.0	X	SH, SILT, SS
	MSSP	MISSISSIPPIAN	-554.0	1034.0		LS, DOL ANHYD
	FTD	F.T.D.	-603.0	1085.0		

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 05

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 08:59:03
PAGE: 3

FILE NOTE:

HOME/SCURRY S. PIERSON 14-09-002-29 W1	14-9-2-29	
HISTORY:	1987-09-13	DRILLING. RIG RELEASE 87-09-20.
	1987-10-13	INITIAL COMPLETION. PERFORATED SPEARFISH. WASHED & SQUEEZED 15% HCL WITH SELECTIVE TOOL. FRAC'D WITH 12 T 12/20 IN GELLED PRODUCED WATER & DIVERTAFRAC (DOWELL). PRESSURE BUILD-UP.
	1988-03-05	INSTALLED ARTIFICIAL LIFT (66 STRING OF NEW NORRIS 78 RODS).
	1989-07-22	REPAIRED TUBING LEAK, CORROSION HOLE 11 JOINTS ABOVE PSN.
	1990-01-23	REPAIRED TUBING LEAK. CORROSION HOLE 8TH JOINT ABOVE PSN. REPLACED ALL 19 JOINTS ABOVE PSN WITH INTERNALLY COATED TUBING.

FILE NOTE:

WELL NAME: HOME/SCURRY S. PIERSON 16-9-2-29
 WELL LOCATION: LSD 16, SEC 09, TWP 002, RGE 29, W1
 LICENCE NO: MAN. 3964
 AFE NUMBER: HOC -R&M
 FIELD OFFICE: ESTEVAN
 ELEVATIONS: KB - 473.92
 GRD - 469.37
 DEPTHS: TD - 1080.00
 PBTD - 1075.00
 SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J55, ST&C, 125.8 M
 CEMENTED WITH:
 LEAD: 14.0 TONNES "G", .5 M3 RETURNS,
 0:1:0 + 3.00% CACL2
 LANDED AT: 125.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING
 PRODUCTION CASING: 92 JOINTS, 139.7 MM, 20.8 KG/M, J55, ST&C, 1085.9 M
 CEMENTED WITH:
 LEAD: 25.0 TONNES "G", 2.5 M3 RETURNS,
 1:1:4 + .50% T-10
 TAIL: 9.0 TONNES "G", M3 RETURNS,
 0:1:0 + .90% NFL-3 + .10% SPC12
 LANDED AT: 1085.0 M

WELLHEAD: CASING BOWL : OCT C-22 228.6 MM X 14 MPA
 CB SIDE VALVES : BULL PLUG ONE SID-S/CSG VENT ASS OTHER
 CASING SPOOL : N/A
 CS SIDE VALVES : N/A
 TUBING HEAD : 228.6MM 14 MPA X 179 MM 14 MPA
 TH SIDE VALVES : 2-EACH 14 MPA X 54.8 MM FE GATE VALVES
 TH FLANGE : 179 MM 14 MPA FRAC FLANGE
 MASTER VALVE : 65 MM 35 MPA F.E. FRAC VALVE
 WING VALVE : NOTE: 14 MPA WELLHEAD LEFT ON LOCATION

TUBING STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	73 MM SAW TOOTH COLLAR	.13	1027.75
	1	JT 73 MM EUE TBG	9.59	1018.16
	1	73 MM API PSN	.33	1017.83
	101	JTS 73 MM EUE TBG	965.67	52.26
	5	JTS 73 MM EUE BLUE BAND TBG (INSTALLED 92-07-01)	48.16	4.10
		KB		
		TUBING BOTTOM AT: 1027.88 MKB		
		TUBING HUNG FROM: TBG BONNET		
		DATE RAN : 92/07/01		
		IN:		

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

TBG REPAIR PROGRAM

FILE NOTE:

DATE: JAN 27, 1993
TIME: 09:00:08
PAGE: 2

HOME/SCURRY S. PIERSON
16-09-002-29 w1

16-9-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM X 38.1 MM RWAC 4.27 M X 1.52 M S/N SR0W6		
	C/W .60 X 19.0 MM PONY		
4	38.1 MM X 6.13 MM SINKER BARS	24.40	
72	19 MM GRADE D PLAIN	549.36	
56	19 MM GRADE D RYTON GUIDED	427.28	
4	19 MM GUIDED PONY RODS, 1.8M, 1.2M, 1.2M, 0.6M	4.88	
1	31.8 MM X 6.72M X 19 MM POLISHED ROD	6.72	
DATE RAN : 92/07/01			

DATE	LOG	INTERVAL (M)	COMPANY
87/10/19	GAMMA RAY/COLLAR LOG	950.00 - 1069.40	JET PERFORATORS
87/10/17	CEMENT BOND	950.00 - 1066.00	SCHLUMBERGER
87/10/17	CEMENT BOND	-	SCHLUMBERGER
87/09/10	DUAL INDUCTION LATEROLOG	125.00 - 1085.30	SCHLUMBERGER
87/09/10	COMP. NEUTRON-LITHO-DENS.	125.00 - 1085.30	SCHLUMBERGER
87/09/10	SONIC	125.00 - 1085.30	SCHLUMBERGER
87/09/10	ELECTRONIC PROPAGATION TOOL	945.00 - 1071.60	SCHLUMBERGER

LOGS:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	87/09/08	1010.00 - 1028.00	18.00	18.00	SPRF	SPEARFISH
2	87/09/09	1028.00 - 1043.00	15.00	15.00	MSSP	MISSISSIPPIAN

CORES:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
87/10/19	1018.50 - 1022.70	SPEARFISH	HSC	102	OPEN PERFS	13	

PERFORATIONS:

DRILL STEM TESTS:

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-72.0	546.0		SH
BFS	BASE OF FISH SCALES	-147.0	617.0		SH
MNVL	MANNVILLE	-212.0	682.0		SS & SH
JRSC	JURASSIC	-317.0	787.0		SH
AMRN	AMARANTH	-493.5	954.0		SH & EVAP
SPRF	SPEARFISH	-527.0	992.0	X	SH, & SILT, SS
MSSP	MISSISSIPPIAN	-561.0	1029.5		LS, DOL, ANHYD
FTD	F.T.D.	-603.0	1085.0		

PGM: NW20100
PERIOD: 04

DAILY WELL REPORTING SYSTEM
TBG REPAIR PROGRAM

DATE: JAN 27, 1993
TIME: 09:00:08
PAGE: 3

FILE NOTE:

ARTIFICIAL LIFT EQUIPMENT:

PUMP JACK:

MAKE: NATIONAL
AVAILABLE STROKE LENGTHS (IN): 44.0 / 54.0 / 64.0 / 0.0
DIRECTION OF ROTATION:
PRIME MOVER: MODEL GE
H.P.: 7.5 / 10.0 / 15.0
JACK SHAFT: N (Y/N) SHEAVE SIZE (IN): 5.0

SIZE: 114 X 173

(VIEWED WITH WELLHEAD TO THE RIGHT)
(ELECTRIC)

REGULAR SLIP

PRESENT OPERATING CONDITIONS:

S.P.M: 0.0 STROKE LENGTH (IN): 64.0
DATE OF LAST ENTRY: 1992 / 07 / 01

COMMENTS:

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

TBG REPAIR PROGRAM

DATE: JAN 27, 1993
TIME: 09:00:08
PAGE: 4

FILE NOTE:

HOME/SCURRY S. PIERSON
16-09-002-29 W1

16-9-2-29

HISTORY:

1987-09-05

DRILLING.

1987-10-06

INITIAL COMPLETION.

1987-11-24

INSTALLED ARTIFICIAL LIFT. RAN USED 66 ROD
STRING FROM 6-4-2-29 W1M.

1992-06-29

REPAIR TUBING LEAK, SPLIT ABOVE PSN FROM ROD WEAR.
PUMP INTAKE SCALED, PUMP JUNKED DUE TO SIEZED
PLUNGER FROM SCALE.

FILE NOTE:

WELL NAME: HOME/SCURRY S. PIERSON 6-10-2-29
WELL LOCATION: LSD 06, SEC 10, TWP 002, RGE 29, W1
WAF NUMBER: HOC -R&M
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 473.27
GRD - 468.87
DEPTHS: TD - 1079.00
PB1D - 1032.50 CMT RETAINER

SURFACE CASING: 9 JOINTS, 219.1 MM, 35.7 KG/M, J55, 118.5 M
CEMENTED WITH:
LEAD: 13.0 TONNES "G", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 118.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING
PRODUCTION CASING: 86 JOINTS, 139.7 MM, 23.0 KG/M, J55, ST&C, 1078.3 M
CEMENTED WITH:
LEAD: 17.8 TONNES "G", 2.5 M3 RETURNS,
2:1:0 + .50% T-10
TAIL: 10.5 TONNES "G", M3 RETURNS,
0:1:0 + 1.00% CACL2 + .50% NFL-2 + .10% SPC12
LANDED AT: 1036.4 M
CEMENT TOP AT: .1 M
FLOAT COLLAR AT: 1063.0 M
ECP 1031 - 1036 FOAM/NEAT INTERFACE 770 M

WELLHEAD: CASING BOWL : 228.6 MM X 14 MPA X 219.1 MM OCT
CB SIDE VALVES : 50.8 MM LP C/W STANDARD SURFACE CASING VENT
TUBING HEAD : 228.6 MM X 14 MPA X 179.4 MM X 14 MPA X 139.7 MM
TH SIDE VALVES : BARTON 50.8 MM LP X 14 MPA GATE VALVE EACH SIDE
TH FLANGE : 179.4 MM 14 MPA NATIONAL
MASTER VALVE : }
FLOW TEE : } STANDARD 73 EUE X 31.8 PUMPING STYLE
WING VALVE : }

TUBING STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	73 MM, 9.6 KG/M J-55 EUE TUBING	9.22	1016.76
	1	73 MM API PSN	.33	1016.43
	108	73 MM, 9.6 KG/M J-55 EUE TUBING	1012.46	3.97
		TUBING BOTTOM AT: 1025.98 M K.B.		
		TUBING HUNG FROM: TUBING BONNET		
		DATE RAN : 88/08/31		
		IN: 8000 DAN TENSION		

PGM: NW2U100
PERIOD: 03

DAILY WELL REPORTING SYSTEM
PMP REPAIR PROGRAM

DATE: JAN 27, 1993
TIME: 09:01:19
PAGE: 2

FILE NOTE:

HOME/SCURRY S. PIERSON
06-10-002-29 w1

6-10-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM X 38.1 MM RWAC 4.87 M X 1.22 M PUMP #HOM 159	4.87	1011.56
4	38.1 MM X 19 MM X 7.6 M SINKER BARS	30.48	981.08
72	19 MM GRADE D PLAIN SUCKER RODS	548.67	432.47
56	19 MM X 63.5 MM RYTON SCRAPERED GRADE D SUCKER RODS	426.70	5.77
1	31.75 MM X 19 MM X 6.7 M POLISH ROD	6.70	
DATE RAN : 88/08/31			

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
88/06/16	GAMMA RAY/COLLAR LOG	918.00 - 1068.00	JET PERFORATORS
88/03/16	CEMENT EVALUATION	900.00 - 1068.00	SCHLUMBERGER
88/03/16	CEMENT BOND	900.00 - 1068.00	SCHLUMBERGER
88/03/12	COMP. NEUTRON-LITHO-DENS.	975.00 - 1077.00	SCHLUMBERGER
88/03/12	SONIC	975.00 - 1077.00	SCHLUMBERGER
88/03/11	DUAL INDUCTION LATEROLOG	118.00 - 1077.00	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	88/03/11	1010.00 - 1028.00	18.00	18.00	SPRF	SPEARFISH
2	88/03/11	1028.00 - 1037.00	9.00	9.00	SPRF	SPEARFISH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
88/08/11	1019.50 - 1023.00	SPEARFISH	HSC CASING	102	REPERF'D	13	COMP. NEUT
88/07/03	1019.50 - 1023.00	SPEARFISH	HSC CASING	102	OPEN PERFS	13	COMP. NEUT
88/06/16	1037.50 - 1039.00	MISSISSIPPIAN	HSC CASING	102	SQUEEZED	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-72.0			SH
BFS	BASE OF FISH SCALES	-142.0			SH
MNVL	MANNVILLE	-208.0			SS, SH
JRSC	JURASSIC	-313.0			SH
AMRN	AMARANTH	-480.0			SH, EVAP
SPRF	SPEARFISH	-518.0	X		SH, SLTST, SS
MSSP	MISSISSIPPIAN	-560.0			LS, DOL, ANHYD
FTD	F.T.D.	-606.0			

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 03

DAILY WELL REPORTING SYSTEM
PMP REPAIR PROGRAM

DATE: JAN 27, 1993
TIME: 09:01:19
PAGE: 3

FILE NOTE:

HOME/SCURRY S. PIERSON
06-10-002-29 W1

6-10-2-29

HISTORY:

1988-03-08

1988-03-14

DRILLING.

INITIAL COMPLETION. PERFORATED MISSISSIPPIAN.
ACID WASH & SQUEEZE WITH 2000 L 15% HCL.
SWAB TEST 97% WATER. CEMENT SQUEEZED.
PERFORATED SPEARFISH. ACID SQUEEZE USING
SELECTIVE TOOL. SAND FRAC USING BRINE (DUAL
DIVERTAFRAC, D.S.). SANDED OFF WITH 5300 KG
IN FORMATION. INSTALLED ARTIFICIAL LIFT
(USED 66 STRING FROM 4-1-2-29).

DATE: JAN 27, 1993
TIME: 09:02:21
PAGE: 1

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE: PIER 88-022

HOME/SCURRY S. PIERSON 8-10-2-29

LSD 08, SEC 10, TWP 002, RGE 29, W1

HOC 128049

HOME OIL LTD

ESTEVAN

KB - 471.36
GRD - 466.91

TD - 1075.00
PBTD - 1060.80

10 JOINTS, 219.1 MM, 35.7 KG/M, J55, ST&C, 127.7 M
CEMENTED WITH:
LEAD: 15.0 TONNES "G", 3.5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 127.0 M

NO INTERMEDIATE CASING

88 JOINTS, 139.7 MM, 20.8 KG/M, J55, ST&C, 1077.4 M
CEMENTED WITH:
LEAD: 25.0 TONNES "G", 3.5 M3 RETURNS,
1:1:4 + .50% T-10
TAIL: 10.0 TONNES "G", 4.0 M3 RETURNS,
0:1:0 + .90% NFI3 + .10% SPC12
LANDED AT: 1075.0 M

WELLHEAD:
CASING BOWL : OCT 228.6 MM X 139.7 MM 14 MPA
CB SIDE VALVES : STANDARD SURFACE VENT ASSEMBLY
CASING SPOOL : N/A
CS SIDE VALVES : N/A
TUBING HEAD : OCT WT-16 228.6 MM X 14 MPA, 179.4 MM X 14 MPA
TH SIDE VALVES : WKM 50.8 MM LP VALVES 14 MPA EACH SIDE
TH FLANGE : OCT 179.6 MM 14 MPA X 73 MM EUE PIN C/W 73 MM EUE SUSP
MASTER VALVE : }
FLOW TEE : } STANDARD PUMPING WELLHEAD ASSEMBLY 73 MM EUE X 31.8 MM
WING VALVE : }

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE SAWTOOTH COLLAR	.13	1032.01
1	73 MM X 9.67 KG/M J-55 8RD EUE JOINT	9.23	1022.78
1	73 MM API PSN (FRAC)	.33	1022.45
107	73 MM X 9.67 KG/M J-55 8RD EUE TUBING JOINT	1018.40	4.05
TUBING BOTTOM AT: 1032.14 M K.B.			
TUBING HUNG FROM: T.H. FLANGE			
DATE RAN : 88/01/31			
IN: STRING TENSION			

PGM: NW20100
PERIOD: 03

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE: PIER 88-022

HOME/SCURRY S. PIERSON
08-10-002-29 W1

8-10-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	NATIONAL BHP #HOM 148, 73 X 44.45 RHAC 3.67 M X 1.2 M X 0.6 M C/W 0.6 M X 19 MM PLAIN PICK-UP PONY (256 CM STROKE)	5.40	
4	38.1 MM X 7.62 M X 19 MM PIN SUCKER BARS C/W ELEVATOR CUT-OUTS	30.68	
72	19 MM PLAIN GRADE "QC" SUCKER RODS (NEW)	552.30	
56	19 MM X 63.5 MM RYTON GUIDED (6 PER ROD) GRADE "QC" SUCKER RODS (NEW)	429.57	
1	19 MM X 63.5 MM RYTON GUIDED X 1.83 M PONY ROD	1.83	
1	31.8 MM X 6.7 M X 19 MM PIN "QA" POLISH ROD C/W 0.6 M X 19 MM PIN PONY ON TOP	6.70	
DATE RAN : 88/01/31			

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
88/01/31	FRAC HEIGHT LOG	945.00 - 1060.00	JET PERFORATORS
87/12/07	FRAC HEIGHT LOG	950.00 - 1050.00	SCHLUMBERGER
87/11/25	GAMMA RAY/COLLAR LOG	885.00 - 1060.00	JET PERFORATORS
87/11/23	CEMENT BOND	950.00 - 1057.30	SCHLUMBERGER
87/09/24	COMP. NEUTRON-LITHO-DENS.	950.00 - 1075.00	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D FORM	FORMATION DESCRIPTION
1	87/09/24	1010.00 - 1028.00	18.00	17.00	SPRF SPEARFISH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M REFERENCE
87/11/25	1016.00 - 1022.00	SPEARFISH	HSC	101	OPEN PERFS	13

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-68.0	541.0		SH
BFS	BASE OF FISH SCALES	-141.0	615.0		SH
MNVL	MANNVILLE	-205.0	679.0		SS & SH
JRSC	JURASSIC	-314.0	787.0		SH
AMRN	AMARANTH	-476.0	953.0		SH & EVAP
SPRF	SPEARFISH	-518.0	991.5	X	SS, SILT, SH
MSSP	MISSISSIPPIAN	-557.0	1029.0		DOL, LS ANHYDRITE
FTD	F.T.D.	-600.0	1075.0		

RESERVOIR:

PAY ZONE:			
PRESSURE:	10214	KPA	87/12/28
TEMP. :	40	C	87/12/28
			STATIC GRADIENT
			STATIC GRADIENT

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORMOVER PROGRAM

FILE NOTE: PIER 88-022

HOME/SCURRY S. PIERSON
08-10-002-29 W1

8-10-2-29

HISTORY:

1987-09-19

1987-11-22

DRILLING. RIG RELEASE 87-09-26.
INITIAL COMPLETION. PERFORATED SPEARFISH.
ACIDIZED WITH SELECTIVE TOOL. FRAC'D WITH
GELLED WATER 23 T 12/20 SAND. PRESSURE
BUILD-UP.

1988-01-30

INSTALLED ARTIFICIAL LIFT (NEW STRING 66
GRADE QC).

DATE: JAN 27, 1993
TIME: 09:02:21
PAGE: 3

FILE NOTE:

WELL NAME: HOME SRO S. PIERSON PROV. 10-10-2-29

WELL LOCATION: LSD 10, SEC 10, TWP 002, RGE 29, W1

LICENCE NO: 4173

A/E NUMBER: HOC -R&M

RESPONSIBILITY: HOME OIL LTD

FIELD OFFICE: ESTEVAN

ELEVATIONS: KB - 470.92
GRD - 466.72

DEPTHS: TD - 1042.00
PBTD - 1037.10 EST

SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C-8RD, 124.4 M
CEMENTED WITH:
LEAD: 11.0 TONNES "G", 2.1 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 124.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 81 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C-8RD, 1043.4 M
CEMENTED WITH:
LEAD: 6.6 TONNES "TM", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
TAIL: 17.4 TONNES "A", .5 M3 RETURNS,
2:1:8 + .25% FRC-3
CEMENT TOP AT: 1.0 M
FLOAT COLLAR AT: 1036.8 M

WELLHEAD: CASING BOWL : CROWN 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OPPOSITE SIDE: BULL PLUG
TUBING HEAD : T-16, 179.4 MM 14 MPA X 139.7 MM 14 MPA WELD-ON
TH SIDE VALVES : BALL VALVE, 50.8 MM 14 MPA 8V THRD/OP SIDE: SAME
TH FLANGE : 179.4 MM 14 MPA X 73MM 14 MPA EUE THRD X 73MM EUE SUSP TRD
MASTER VALVE : STANDARD PUMPING WELLHEAD
FLOW TEE : AS ABOVE
WING VALVE : AS ABOVE

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE:

HOME SRO S. PIERSON PROV. 10-10-2-29
10-10-002-29 W1

DATE: JAN 27, 1993
TIME: 09:04:50
PAGE: 2

TUBING STRING:		QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
		1	73 MM MULESHOED EUE TUBING COLLAR	.10	1023.41
		1	73 MM 9.67 KG/M J-55 EUE NEW TUBING	9.51	1013.90
		1	73 MM X 57.91 MM NEW API PSN	.34	1013.56
		106	73 MM 9.67 KG/M J-55 EUE NEW TUBING	1003.25	10.31
		2	73 MM 9.67 KG/M J-55 EUE PUP JOINT 2.45M, 1.88M	4.33	5.98
		2	73 MM 9.67 KG/M J-55 EUE PUP JOINTS 1.22 M EACH	2.52	3.46
			K.B. CORRECTION	3.46	

TUBING BOTTOM AT: 1023.51 M KB
TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING TENSION
DATE RAN : 90/06/22

ROD STRING:		QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
		1	BHP #HOM 168, 73 MM X 38.1 MM HWAC 4.27 M X 1.22		
			M MAXIMUM STROKE 2.59 M	.31	
		1	19 MM X 0.61 M PLAIN GRADE D PONY ROD	.61	
		5	38.1 MM X 7.62 M X 19 MM PIN SINKER BARS	38.10	
		72	19 MM PLAIN GRADE C SUCKER RODS	548.61	
		55	19 MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS	419.08	
		1	19 MM X 73 MM NYLON SCRAPERED GRADE D PONY ROD	.61	
		1	31.8 MM X 6.7 M X 19 MM PIN POLISH ROD C/W 1 -		
			19 MM PLAIN EL 0.61 M PONY ROD ON TOP	6.70	
			DATE RAN : 90/07/17		

LOGS:
DATE LOG
90/06/09 GAMMA RAY/COLLAR LOG
90/05/18 DUAL INDUCTION LATEROLOG
90/05/18 COMP. NEUTRON-LITHO-DENS.
INTERVAL (M)
950.00 - 1036.00
123.70 - 1041.60
123.70 - 1041.60
COMPANY
JET PERFORATORS
COMPUTALOG
COMPUTALOG

CORES:
NO CORES CUT

PERFORATIONS:
DATE INTERVAL (M) FORMATION GUN TYPE DIA PERF STATUS SHOTS/M REFERENCE
90/06/09 1015.50 - 1020.50 MAIN C SPEARFIS HSC 101 OPEN PERFS 16 COMP. NEUT

DRILL STEM TESTS:
NO DSTS REQUESTED

FORMATIONS:		CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
		BOYN	BOYNE	24.0			SH
		FVEL	FAVEL	-68.5			SS, SH
		SWNR	SWAN RIVER	-205.0			SS, SH
		UJRC	UPPER JURASSIC	-319.0			SH, SS
		AMRE	AMARANTH EVAPORITES	-480.0			ANHYD/SH
		AMRR	AMARANTH RED BEDS	-516.0			RD SH
		ASAN	"A" SAND	-538.0			SLTST/SS
		BSAN	"B" SAND	-541.0			SLTST/SS
		MCSP	MAIN C SPEARFISH	-544.0	X		VF SS, SH, SLTST
		MSUC	MISSISSIPPIAN UNCONF	-556.0			ANHYD/DOL
		MSPR	MISSISSIPPIAN POROSI	-560.0			DOL/LS
		FTD	F.T.D.	-571.0			

DATE: JAN 27, 1993
TIME: 09:04:50
PAGE: 3

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

FILE NOTE:

PGM: NW20100
PERIOD: 03

HOME SRO S. PIERSON PROV. 10-10-2-29
10-10-002-29 W1

RESERVOIR: PAY ZONE: SPRF
PRESSURE: 10000 KPA 00/00/00
TEMP. : 42 C 00/00/00

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

PGM: NW20100
PERIOD: 08

FILE NOTE:

WELL NAME: HOME/SCURRY S. PIENSON 14-10-2-29
WELL LOCATION: LSD 14, SEC 10, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 474.89
GRD - 470.49
DEPTHS: TD - 1037.00
PBTD - 1030.75 TBG TAG 91-08-26
SURFACE CASING: 10 JOINTS, 219.0 MM, 35.7 KG/M, J55, 124.3 M
CEMENTED WITH: 13.0 TONNES "G", 2.0 M3 RETURNS,
LEAD: 0:1:0 + 3.00% CACL2
LANDED AT: 123.0 M

INTERMEDIATE CASING

NO INTERMEDIATE CASING
85 JOINTS, 139.7 MM, 23.7 KG/M, J55, LT&C, 1040.0 M
CEMENTED WITH: 16.2 TONNES "G", M3 RETURNS,
LEAD: 0:1:0 + 1.50% CACL2
FAIL: 6.5 TONNES "G", M3 RETURNS,
0:1:0 + .90% NFL-1 + .10% SPC12
LANDED AT: 1037.0 M
CEMENT TOP AT: 265.0 M
FLOAT COLLAR AT: 1024.0 M
FOAM/NEAT INTERFACE 819 M

WELLHEAD: CASING BOWL : OCT 228.6 MM 14 MPA X 139.7 MM X 219.0 MM CASING
CB SIDE VALVES : 50.8 MM LP C/W STANDARD SURFACE CASING VENT ASSEMBLY
TUBING HEAD : OCT I-16 228.6 MM 14 MPA X 139.7 MM X 179.4 MM 14 MPA
TH SIDE VALVES : 52.4 MM X 50.8 MM L.P. 14 MPA GATE VALVE EACH SIDE
TH FLANGE : OCT 179.4 MM, 14 MPA X 73 MM EUE SUSP THRD X 73 MM EUE PIN
MASTER VALVE : }
FLOW TEE : } STANDARD 73 MM EUE X 31.8 MM PUMPING STYLE
WING VALVE : }

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM MULESHOED COLLAR	.10	1027.57
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.49	1018.08
1	73 MM API PSN	.34	1017.74
107	73 MM 9.67 KG/M J-55 EUE TUBING	1013.84	3.90
	K.B. CORRECTION	3.90	
	TUBING BOTTOM AT: 1027.67 MKB		
	TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING TENSION		
	DATE RAN : 91/08/26		

PGM: NW20100
PERIOD: 08

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:05:48
PAGE: 2

FILE NOTE:

HOME/SCURRY S. PIERSON
14-10-002-29 W1

14-10-2-29

ROD STRING:		DESCRIPTION	QTY	LENGTH(M)	TOP DEPTH(MKB)
		BHP HOM 164, 73 MM X 44.4 MM RWAC 4.88 X 1.52	1		
		X 0.61, MAXIMUM STROKE 351 CM.		.45	
		19MM X 0.61M PLAIN GRADE D PONY ROD	1	.61	
		38.1MM X 7.62M X 19MM PIN SINKER BARS	4	30.48	
		19 MM PLAIN GRADE D SUCKER RODS	72	549.36	
		19MM X 73MM NYLON SCRAPERRED GRADE D SUCKER RODS	56	427.28	
		2 19MM X 73MM NYLON SCRAPERRED GRADE D PONY RODS	2	2.44	
		1 31.8MM X 6.7M X 19MM PIN GRADE QC POLISH ROD C/W	1		
		38.1MM X 3.05M POLISH ROD LINER AND 1-19MM X			
		0.61M GRADE D PONY ROD ON TOP.		6.70	
DATE RAN		: 91/08/26			

LOGS:		DATE	LOG	INTERVAL (M)	COMPANY
		88/05/31	GAMMA RAY/COLLAR LOG	887.00 - 1037.00	JET PERFORATORS
		88/03/09	CEMENT EVALUATION	900.00 - 1035.40	SCHLUMBERGER
		88/03/09	CEMENT BOND	900.00 - 1033.40	SCHLUMBERGER
		88/03/06	SONIC	975.00 - 1035.00	SCHLUMBERGER
		88/03/05	COMP. NEUTRON-LITHO-DENS.	975.00 - 1036.00	SCHLUMBERGER
		88/03/05	DUAL INDUCTION LATEROLOG	123.00 - 1035.00	SCHLUMBERGER

CORES:		NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
		1	88/03/05	1010.00 - 1023.40	13.40	SPRF	SPEARFISH	
		2	88/03/05	1023.40 - 1037.00	13.60	MSSP	MISSISSIPPIAN	

PERFORATIONS:		DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
		90/03/09	1018.00 - 1023.00	SPEARFISH	HSC CASING 101	101	REPERF'D	13	COMP. NEUT
		90/03/08	1018.00 - 1023.00	SPEARFISH	HSC CASING 101	101	OPEN PERFS	13	COMP. NEUT
		88/05/31	1033.50 - 1035.00	MISSISSIPPIAN	HSC CASING 101	101	BELOW BP	13	COMP. NEUT

DRILL STEM TESTS:

FORMATIONS:		CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
		SSPK	SECOND WHITE SPECKS	-70.0			SH
		BFS	BASE OF FISH SCALES	-142.0			SH
		MNVL	MANNVILLE	-206.0			SS, SH
		JRSC	JURASSIC	-314.0			SH
		AMRN	AMARANTH	-477.0			SH, EVAP
		SPRF	SPEARFISH	-515.0		X	SH, SLTST, SS
		MSSP	MISSISSIPPIAN	-554.0		X	LS, DOL, ANHYD
		FTD	F.T.D.	-605.0			

PGM: NW20100
PERIOD: 08

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:05:48
PAGE: 3

FILE NOTE:

ARTIFICIAL LIFT EQUIPMENT:

PUMP JACK: MAKE: AMPSCOTT MODEL: D114E SIZE: 114 X 143
AVAILABLE STROKE LENGTHS (IN): 51.0 / 62.0 / 74.0 / 0.0
DIRECTION OF ROTATION: CLOCKWISE (VIEWED WITH WELLHEAD TO THE RIGHT)
PRIME MOVER: MODEL H.P.: 20.0 / 0.0 / 0.0 (ELECTRIC)
JACK SHAFT: N (Y/N) SHEAVE SIZE (IN): 6.0 REGULAR SLIP
PRESENT OPERATING CONDITIONS:
S.P.M.: 0.0 STROKE LENGTH (IN): 74.0
DATE OF LAST ENTRY: 1991 / 08 / 26

COMMENTS:

PGM: NW20100

PERIOD: 08

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:05:48
PAGE: 4

FILE NOTE:

HOME/SCURRY S. PIERSON 14-10-002-29 W1	14-10-2-29	
HISTORY:	1988-03-02	DRILLING.
	1988-03-09	INITIAL COMPLETION, PERFORATED MISSISSIPPIAN. ACID WASH WITH 1000 L 15% HCL. SWAB TESTED AT CONTROLLED RATES, 15 M3/D. 99% OIL. INSTALLED ARTIFICIAL LIFT (66 STRING NEW GRADE D).
	1990-03-07	RECOMPLETE TO SPEARFISH. ABANDONED MISSISSIPPIAN WITH BRIDGE PLUG/CMT. PERF'D SPEARFISH OVER- BALANCED. ATTEMPT FRAC, POOR FEED RATE. REPERF'D SPEARFISH AND STRESS FRAC'D. CONDUCT GELLED WATER FRAC WITH 6.4 T 20/40 SAND PLACED.
	1990-03-28	RESPACED ROD STRING IN ORDER TO TAP BOTTOM.
	1990-08-07	REPAIRED BOTTOM HOLE PUMP. CIRC OUT 0.22M OF SAND OFF BOTTOM. MODIFY PUMP WITH TOP GAS CHECK AND INSTALL POLISH ROD LINER.
	1990-08-21	PUMP REPAIR. PUMP APPEARED TO GAS LOCK OR HAVE DEBRIS INSIDE. CIRCULATE CLEAN TO PBTD. REPLACED BOTH SETS BALL/SEAT.
	1991-04-04	PUMP REPAIR. WELL REQUIRED HOT OILING.
	1991-08-24	PUMP REPAIR. BARREL PARTED 1.83 M ABOVE STANDING VALVE. TRIPPED TUBING TO FISH LOST BARREL. INCREASED PUMP SIZE FROM 38.1MM TO 44.4MM AND SLOWED JACK TO REDUCE FLUID POUND.

PGM: NW20100
PERIOD: 04

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:06:09
PAGE: 1

FILE NOTE: PIER 86-046

WELL NAME: HOME/SCURRY S. PIERSON 16-10-2-29
WELL LOCATION: LSD 16, SEC 10, TWP 002, RGE 29, W1
LICENCE NO: 3890
AFE NUMBER: HOC 186330
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 470.95
GRD - 466.30
DEPTHS: TD - 1067.00
PBTD - 1018.50 CMT ON RETAINER 86-11-17
SURFACE CASING: 11 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C, 132.2 M
CEMENTED WITH:
LEAD: 14.0 TONNES "G", 4.6 M3 RETURNS,
0:0:0 + 3.00% CACL2
LANDED AT: 132.0 M

INTERMEDIATE CASING

NO INTERMEDIATE CASING
89 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C, 1066.9 M
CEMENTED WITH:
LEAD: 22.0 TONNES "G", 2.0 M3 RETURNS,
1:1:4 + .50% FRC-1
TAIL: 10.0 TONNES "G", M3 RETURNS,
0:1:0 + .75% FRC-1 + .25% FLC-1
LANDED AT: 1065.0 M

WELLHEAD:

CASING BOWL : CROWN TYPE H - 9" - 2000 WP (139.7 MM SLIPS & PRIMARY SEAL)
CB SIDE VALVES : 2 - 50.8 M SE SURFACE VENT + BULL PLUGGED
TUBING HEAD : OCT - 16 9" 2000 WP X 7 1/16 2000 X 5 1/2 X 2 7/8 EUE
TH SIDE VALVES : 2 - 50.8 MM LP SE WITH 2 - 50.8 SE VALVES
TH FLANGE : 6" - 900 X 73.03 MM BRD THD BOX + PIN WA - 4 DOGNUT
MASTER VALVE : 73.03 MM BRD THD 2000 WP 4000 T SE
FLOW TEE : OCT 73.03 MM BRD BT 14 CAP

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73.03 MM 8 RD SAWTOOTH COUPLING	.15	
1	JT 73.03 MM EUE 8 RD THD 9.67 J-55 ERW TBG	9.58	
1	73.03 MM 8 RD THD API FRICTION PSN	.33	
106	JTS 73.03 MM EUE BRD THD 9.67 KG/M J-55 ERW TBG	999.27	
1	PUP 73.03 MM BRD THD 9.67 KG/M J-55 ERW KB TO TBG SPOOL	3.08	
TUBING BOTTOM AT: 1016.61			
TUBING HUNG FROM: HANGER FLANGE IN:			
DATE RAN : 86/11/19			

ROD STRING:

NO ROD STRING IN HOLE

PGM: NW20100
PERIOD: 04

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

FILE NOTE: PIER 86-046

HOME/SCURRY S. PIERSON
16-10-002-29 W1

16-10-2-29

DATE LOG
86/09/12 CEMENT BOND
86/09/12 GAMMA RAY/COLLAR LOG

LOGS:

INTERVAL (M)
500.00 - 1047.70 SCHLUMBERGER
900.00 - 1050.00 JET PERFORATORS

NO DATE INTERVAL (M) CUT REC'D FORM FORMATION DESCRIPTION
1 86/08/28 1008.00 - 1026.00 18.00 SPRF SPEARFISH

CORES:

PERFORATIONS:

DATE INTERVAL (M) FORMATION GUN TYPE DIA PERF STATUS SHOTS/M REFERENCE
86/09/19 1009.50 - 1012.50 SPEARFISH HSC 101 OPEN PERFS 13
86/09/19 1014.00 - 1017.00 SPEARFISH HSC 101 OPEN PERFS 13
86/11/17 1022.00 - 1023.00 MISSISSIPPIAN HSC 49 SQUEEZED 13

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:

CODE DESCRIPTION PROGNOSSED SS LOG TOPS PAY ZONE(M) LITHOLOGY/COMMENTS
SSPK SECOND WHITE SPECKS -70.0 538.0 SH
BFS BASE OF FISH SCALES -142.0 612.0 SH
MNVL MANNVILLE -205.0 674.5 SS & SH
JRSC JURASSIC -308.0 783.0 SH
AMRN AMARANTH -473.0 951.0 SH & ANHYDRITE
SPRF SPEARFISH -509.0 986.0 X 15.0 SH, SLT & SS
MSSP MISSISSIPPIAN -550.0 1025.0 LS, DOL, ANHYDRITE
FTD F.T.D. -590.0 1065.0

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 04

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:06:09
PAGE: 3

FILE NOTE: PIER 86-046

HOME/SCURRY S. PIERSON
16-10-002-29 W1

16-10-2-29

HISTORY:

DIRECTIONS TO LOCATION:

1986-07-14	WELL DRILLED, RR 08-29
1986-08-30	INITIAL COMPLETION. RAN CBL. PERFD SPEARFISH. CONDUCT POLYEMULSION FRAC, SAND OFF WITH 27 T IN FORMATION. SWAB TEST 24 M3/D, 85% WATER.
1986-11-05	INSTALLED ARTIFICIAL LIFT FOR PRODUCTION TEST.
1986-11-16	CONDUCT CEMENT FRAC TO REDUCE WATER PRODUCTION. PLACED 27 T SLURRY IN NEW LOWER PERFS.
1987	WELL SUSPENDED. NO RECORD OF RECOVERING ROD STRING OR TUBING.

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:11:37
PAGE: 1

FILE NOTE: SPIER 90-080

WELL NAME:

HOME SCURRY S. PIERSON 6-11-2-29

WELL LOCATION:

LSD 06, SEC 11, TWP 002, RGE 29, W1

LICENCE NO:

4199

APE NUMBER:

HOC 110179

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 467.95
GRD - 463.74

DEPTHS:

TD - 1041.00
PBD - 1021.80

SURFACE CASING:

10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C 8RD, 124.1 M
CEMENTED WITH:
LEAD: 12.0 TONNES "A", 3.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 123.5 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

82 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C 8RD, 1042.1 M
CEMENTED WITH:
LEAD: 18.0 TONNES "A", M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "G", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
LANDED AT: 1041.0 M
CEMENT TOP AT: 1.0 M
FLOAT COLLAR AT: 1021.7 M

WELLHEAD:

CASING BOWL : DRH 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OPPOSITE SIDE: BULL PLUG
TUBING HEAD : T-16 SLIP ON 179.4 MM 14 MPA X 139.7 MM 14 MPA
TH SIDE VALVES : BALL VALVES 50.8 MM 14 MPA 8 V THRD/OPPOSITE SIDE: SAME
TH FLANGE : 179.4 MM 14 MPA X 73MM 14 MPA EUE THRD X 73MM EUE SUSP THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD
FLOW TEE : "
WING VALVE : "
COMMENT : "

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE MULESHOED COLLAR	.10	1019.92
1	73 MM 9.67 KG/M J-55 EUE NEW TUBING	9.38	1010.54
1	73 MM EUE API PSN (57.91 MM)	.34	1010.20
107	73 MM 9.67 KG/M J-55 EUE NEW TUBING K.B. CORRECTION	1006.90	3.30
TUBING BOTTOM AT: 1020.02			
TUBING HUNG FROM: TUBING BONNET THRDS IN: STRING TENSION			
DATE RAN : 90/07/19			

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

DATE: JAN 27, 1993
TIME: 09:11:37
PAGE: 2

HOME SCURRY S. PIERSON 6-11-2-29
06-11-002-29 W1

ROD STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	BHP #HOM 172, 73 MM X 38.1 MM RWAC 4.87M X 1.22 M, MAXIMUM STROKE 32 M.	.31	
	1	19 MM PLAIN GRADE D PONY ROD	.61	
	4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	24.40	
	72	19 MM PLAIN GRADE C SUCKER RODS	549.36	
	56	19 MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS	426.72	
	1	19 MM X 73 MM NYLON SCRAPERED GRADE D 3.05 M PONY ROD	3.05	
	1	19 MM X 73 MM NYLON SCRAPERED GRADE D 2.44 M PONY ROD	2.44	
	1	31.8 MM X 6.7 M X 19 MM PIN GRADE QC POLISH ROD WITH 1 - 19 MM X 0.61 M GRADE D PONY ROD ON TOP	6.70	
DATE RAN	: 90/07/29			

LOGS:	DATE	LOG	INTERVAL (M)	COMPANY
	90/06/27	GAMMA RAY/COLLAR LOG	940.80 - 1019.60	COMPUTALOG
	90/06/01	NEUTRON	123.00 - 1040.70	COMPUTALOG
	90/06/01	DUAL INDUCTION LATEROLOG	123.00 - 1040.60	COMPUTALOG

CORES:	NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
	1	90/06/02	1008.00 - 1021.00	13.00	LAMR	LOWER	AMARANTH

PERFORATIONS:	DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
	90/06/27	1010.50 - 1016.50	SPEARFISH C	SAN	HSC 60 DEG 102	OPEN PERFS	16	COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:	CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	LAMR	LOWER AMARANTH	-520.6			REDBEDS, SH
	SPRA	SPEARFISH A SAND	-541.0			SLTST, SS
	SPRB	SPEARFISH B SAND	-544.0			SLTST, SS
	SPRC	SPEARFISH C SAND	-546.4	X		SLTST, SS
	MSUC	MISSISSIPPIAN UNCONF	-558.0			ANHYDRITIC, DOL
	MSPR	MISSISSIPPIAN POROSI	-566.0			LIMESTONE, DOL
	FTD	F.T.D.	-573.0			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 6-11-2-29
06-11-002-29 W1

DATE: JAN 27, 1993
TIME: 09:11:37
PAGE: 3

HISTORY:

ROAD DIRECTIONS: FROM PIERSON: 7.4 KMS SOUTH, 0.8 KMS
EAST, 0.4 KMS NORTH INTO LOCATION.

DRILLING HISTORY:

SPUD: 90-05-29
R.R. DATE: 90-06-02
CONTRACTOR - SIMMONS DRILLING
KB TO CSG FLANGE - 3.9 M

SURFACE HOLE:

SIZE 311
CONDUCTOR BARREL
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE:

SIZE: 200
MUD SYSTEM TYPE - GEL CHEM
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO
PLUG DISPLACEMENT FLUID - WATER
LICENCED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED: 90-06-02

1990-06-26

INITIAL COMPLETION. PERF'D SPEARFISH
FULL UNDERBALANCE. CONDUCT GELLED WATER
SAND FRAC. PLACED 3.4 TONNE IN FORMATION
SWAB 15 M3 LOAD FLUID. INSTALL ARTIFICIAL
LIFT.

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 14-11-2-29
WELL LOCATION: LSD 14, SEC 11, TWP 002, RGE 29, W1
LICENCE NO: 4283
AFE NUMBER: NOT FOUND
FIELD OFFICE:
ELEVATIONS: KB - 470.46
GRD - 466.21
DEPTHS: TD - 1042.00
PBTD - 1024.65 TBG TAG 91-7-19
SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C BRD, 122.2 M
CEMENTED WITH:
LEAD: 15.0 TONNES "A", 3.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 122.0 M

INTERMEDIATE CASING:

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C, 1042.3 M
CEMENTED WITH:
LEAD: 21.0 TONNES "A", 2.0 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 6.0 TONNES "M3 RETURNS,
0:0:0 + 1.00% CA-2 + .20% D-3
LANDED AT: 1042.0 M

WELLHEAD:

TUBING HEAD : MODEL 5-16, SIZE 179.4MM X 14 MPA X 139.7MM 14 MPA
TH SIDE VALVES : BALL VALVES WKM, 50.8MM 14 MPA FE L.P. SAME
TH FLANGE : 179.4MM X 14 MPA X 73MM 14 MPA FE EUE THRD X 73MM EUE
MASTER VALVE : STANDARD PUMPING STYLE WELLHEAD
FLOW TEE : STANDARD PUMPING STYLE WELLHEAD
WING VALVE : STANDARD PUMPING STYLE WELLHEAD

TUBING STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	73MM EUE MULESHOE COLLAR	.13	1020.86
	1	73MM 9.67 KG/M J-55 EUE TUBING	9.51	1011.35
	1	73MM EUE API PSN	.33	1011.02
	107	73MM 9.67 KG/M J-55 EUE TUBING	1007.74	3.28
		KG CORRECTION	3.28	
		TUBING BOTTOM AT: 1020.99		
		TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING		
		DATE RAN : 91/07/28		

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:12:42
PAGE: 2

FILE NOTE:

HOME SCURRY S. PIERSON 14-11-2-29
14-11-002-29 W1

ROD STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	BHP #HODB-25 73MM X 31.8MM RWAC 4.27M X 1.2M		
		DURRAH BARREK, DURALOY PLUNGER, MAX STROKE 2.62M	.46	1010.56
	1	19MM PLAIN GRADE 'D' PONY ROD	.53	1010.03
	4	38.1MM X 6.1M X 19MM PIN SINKER BARS	24.60	985.43
	72	19MM PLAIN GRADE 'C' SUCKER RODS	549.36	436.07
	57	19MM X 73MM NYLON SCRAPERED GRADE 'C' SUCKER RODS	434.91	1.16
	1	31.8MM X 6.7M X 19MM PIN POLISH ROD		
		C/W 38.1MM X 3.05M LINER	6.70	5.54
DATE RAN		: 91/07/28		

INTERVAL (M)
947.30 - 1017.60
700.00 - 1033.10
122.00 - 1040.50
COMPUTALOG
COMPUTALOG
COMPUTALOG

DATE LOG
91/07/21 GAMMA RAY/COLLAR LOG
91/07/09 COMP. NEUTRON-LITHO-DENS.
91/07/09 PHASOR INDUCTION - SFL

LOGS:

NO CORES CUT

PERFORATIONS:

DATE INTERVAL (M) FORMATION
91/07/21 1007.00 - 1009.00 SPEARFISH
91/07/21 1013.50 - 1016.50 SPEARFISH

GUN TYPE DIA PERF STATUS SHOTS/M REFERENCE
HSC/90 101 OPEN PERFS 13 COMP. NEUT
HSC/90 101 OPEN PERFS 13 COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SPRF	SPEARFISH				
LAMR	LOWER AMARANTH	-515.0			RED SH/SLST
ASAN	"A" SAND	-536.0			SLTST/SS/SH
BSAN	"B" SAND	-539.0			SLTST/SS/SH
CSAN	"C" SAND	-547.0		X	SLTST/SS/SH
MSUC	MISSISSIPPIAN UNCONF	-553.0			ANHYDRITIC DOL
MSPR	MISSISSIPPIAN POROSI	-560.0			DOL/LS
FTD	F.T.D.	-568.0			

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:12:42
PAGE: 3

FILE NOTE:

HOME SCURRY S. PIERSON 14-11-2-29
14-11-002-29 W1

HISTORY:

DIRECTIONS TO LOCATION:

FROM PIERSON: 1/2 MILE EAST & 4 MILES SOUTH ON HIGHWAY 256,
WEST TO LOCATION.

DRILLING HISTORY:

SPUD DATE: 1991-07-06
R.R. DATE: 1991-07-10
CONTRACTOR: SIMMONS GROUP # 4
K.B. TO CASING FLANGE 3.95M

SURFACE HOLE:

SIZE: 311.0 MM. CONDUCTOR BARREL: YES
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO

MAIN HOLE:

SIZE: 200.0MM. MUD SYSTEM: GEL-CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
PLUG DISPLACEMENT FLUID: WATER
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE.

1991-07-19

INITIAL COMPLETION. PERED SPEAREFISH WITH FULL
UNDERBALANCE. CONDUCT GELLED WATER SAND FRAC.
PLACED 7.6 T SAND IN FORMATION. SWAB RECOVER 15.3
M3 LOAD FLUID. INSTALLED ARTIFICIAL LIFT 66 USED
GRADE C STRING FROM 2-31-2-29W1. TUBING ALSO
TRANSFERRED FROM 2-31.

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 4-14-2-29
WELL LOCATION: LSD 04, SEC 14, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 470.50
GRD - 466.32
DEPTHS: TD - 1038.80
PBTD - 1020.80

SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, ST&C, 8RD J-55, 124.1 M
CEMENTED WITH:
LEAD: 11.0 TONNES "A", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 123.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 81 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C 8RD, 1038.7 M
CEMENTED WITH:
LEAD: 19.0 TONNES "A", 2.0 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "G", M3 RETURNS,
0:0:0 + 1.00% CA2 + .10% D3
CEMENT TOP AT: 1.0 M
FLOAT COLLAR AT: 1019.7 M

WELLHEAD: CASING BOWL : DRH, 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURF VENT ASSEMBLY/OP SIDE: BULL PLUG
TUBING HEAD : T-16, 179.4 MM 14 MPA X 139.7 MM 14 MPA
TH SIDE VALVES : BALL VALVE, 50.8 MM 14 MPA 8V THRD/OP SIDE: SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA EUE THRD X 73MM EUE SUSP TRD
MASTER VALVE : STANDARD PUMPING WELLHEAD
FLOW TEE : AS ABOVE
WING VALVE : AS ABOVE

TUBING STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	73 MM MULESHOED EUE TUBING COLLAR	.10	1019.15
	1	73 MM 9.67 KG/M J-55 EUE NEW TUBING	9.51	1009.64
	1	73 MM X 57.91 MM API PSN NEW	.34	1009.30
	107	73 MM 9.67 KG/M J-55 EUE NEW TUBING	1003.96	5.34
	1	73 MM 9.67 KG/M J-55 EUE PUP JOINT	1.85	3.49
		K.B. CORRECTION	3.49	
		TUBING BOTTOM AT: 1019.25		
		TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING TENSION		
		DATE RAN : 90/06/18		

PGM: NW20100

PERIOD: 09

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:14:00
PAGE: 2

FILE NOTE:

HOME SCURRY S. PIERSON 4-14-2-29
04-14-002-29 w1

ROD STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	1	BHP #HOM-169, 73 MM X 38.1 MM RWAC-TS 4.27 M X 1.22 M	.61	1008.69
		MAXIMUM STROKE 2.59 M		
1	1	19 MM X 0.61 M PLAIN GRADE D PONY ROD	.61	1008.08
6	6	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	36.60	971.48
72	19	MM PLAIN GRADE C SUCKER RODS, NEW	549.36	422.12
54	19	MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS, NEW	412.02	10.10
1	1	19 MM X 73 MM NYLON SCRAPERED GRADE D 2.44 M	2.44	7.66
1	1	19 MM X 73 MM NYLON SCRAPERED GRADE D 1.22 M	1.22	5.22
1	1	31.8 MM X 6.7 M X 19 MM PIN GRADE QC POLISH ROD C/W 1 - 19 MM X 0.61 M PLAIN GRADE D PONY ROD ON TOP	6.70	-1.48
DATE	RAN	: 90/07/29		

LOGS:	DATE	LOG	INTERVAL (M)	COMPANY
	90/06/07	GAMMA RAY/COLLAR LOG	950.00 - 1023.00	JET PERFORATORS
	90/05/23	DUAL INDUCTION LATEROLOG	123.00 - 1038.30	COMPUTALOG
	90/05/23	COMP. NEUTRON-LITHO-DENS.	123.00 - 1038.30	COMPUTALOG

CORES:	NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
	1	90/05/24	1003.00 - 1017.00	14.00	12.25	SPRA	SPEARFISH A SAND

PERFORATIONS:	DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
	90/06/07	1011.00 - 1017.00	MAIN C	SPEARFIS HSC	101	OPEN PERFS	16	COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:	CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	MCSP	MAIN C SPEARFISH				REDBEDS, SH
	LAMR	LOWER AMARANTH	-516.5			SLTST, SS
	SPRA	SPEARFISH A SAND	-536.4			SLTST, SS
	SPRB	SPEARFISH B SAND	-539.4			SLTST, SS
	SPRC	SPEARFISH C SAND	-542.4		X	SLTST, SS
	MSUC	MISSISSIPPIAN UNCONF	-553.8			ANHYDRITIC, DOL
	MSPR	MISSISSIPPIAN POROSI	-557.8			LIMESTONE, DOL
	FID	F.T.D.	-568.8			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 09

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:14:00
PAGE: 3

FILE NOTE:

HOME SCURRY S. PIERSON 4-14-2-29
04-14-002-29 W1

HISTORY:

ROAD DIRECTIONS:

FROM PIERSON, MANITOBA: 6.8 KMS SOUTH
ON BLACKTOP HIGHWAY, 1.6 KMS WEST, 0.4
KMS NORTH, 0.4 KMS EAST INTO LOCATION.

DRILLING HISTORY:

SPUD - 90-05-20
R.R. DATE - 90-05-24
CONTRACTOR - SIMMONS DRILLING
K.B. TO CSG FLANGE - 3.9 M

SURFACE HOLE:

SIZE: 311
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE:

SIZE: 200
MUD SYSTEM TYPE - GEL CHEM
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO
PLUG DISPLACEMENT FLUID - WATER
LICENCED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED: 90-05-24

1990-06-06 INITIAL COMPLETION. PERF'D SPEARFISH WITH
FULL UNDERBALANCE. CONDUCT GELLED WATER
FRAC, PLACED 6.5 T SAND IN FORMATION. SWAB
LOAD FLUID. INSTALLED ARTIFICIAL LIFT.

1990-07-24 PUMP REPAIR. PUMP IN GOOD CONDITON, ADDED TOP
GAS CHECK VALVE. WELL REQUIRED HOT OILING.

1990-07-29 PUMP REPAIR. CIRCULATED OUT SAND TO PBTD.
RAN REPLACEMENT PUMP C/W GAS CHECK.

PGM: NW20100

PERIOD: 12

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:15:02
PAGE: 1

FILE NOTE:

WELL NAME: HOME/SCURRY S. PIERSON 4-15-2-29
WELL LOCATION: LSD 04, SEC 15, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 475.33
GRD - 471.03
DEPTHS: TD - 1069.00
PBTD - 1041.00

SURFACE CASING: 10 JOINTS, 219.0 MM, 35.7 KG/M, J-55, 8RD ST&C, 118.0 M
CEMENTED WITH:
LEAD: 10.0 TONNES "G", M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 118.0 M

INTERMEDIATE CASING

PRODUCTION CASING: 89 JOINTS, 139.7 MM, 20.8 KG/M, J-55, 8RD ST&C, 1065.1 M
CEMENTED WITH:
LEAD: 24.5 TONNES "G", M3 RETURNS,
1:1:4 + .50% T-10
TAIL: 7.5 TONNES "G", M3 RETURNS,
1:1:0 + .10% SPC + .60% NFL-2
LANDED AT: 1064.5 M

WELLHEAD: CASING BOWL : CROWN TYPE H SIZE 219 SERIES #600, SLIP ON
CB SIDE VALVES : 2 SIZE 51, MASTER FLO, TYPE BALL

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	SAWTOOTH COLLAR	.14	1027.30
1	JOINT 73 MM EUE TUBING	9.50	1017.80
1	API PSN	.33	1017.47
106	JOINTS 73 MM EUE TAB 3-55 TUBING R.B. TO C.F.	1013.53	3.94
TUBING BOTTOM AT: 1027.44 M K.B.			
TUBING HUNG FROM:			
DATE RAN : 86/05/06			
IN:			

PGM: NW20100

PERIOD: 12

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:15:02
PAGE: 2

FILE NOTE:

HOME/SCURRY S. PIERSON
04-15-002-29 W1

4-15-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	63.5 MM X 38.1 MM RHAC 3.66 M X 1.52 M X 1.22 M PUMP #HOM 144		
1	19.0 MM PLAIN PONY ROD	.61	
4	38.1 MM SINKER BARS	24.40	
60	19.0 MM PLAIN RODS	457.20	
69	19.0 MM RYTON SCRAPERED RODS	525.78	
1	19.0 MM RYTON SCRAPERED PONY ROD	1.22	
1	31.8 MM POLISH ROD	6.70	
DATE RAN : 90/01/22			

DATE LOG

DATE	LOG	INTERVAL (M)	COMPANY
86/03/19	SONIC	118.00 - 1054.00	SCHLUMBERGER
86/03/19	DUAL INDUCTION LATEROLOG	118.00 - 1064.50	SCHLUMBERGER
86/03/19	COMP. NEUTRON-LITHO-DENS.	118.00 - 1062.00	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	86/03/18	1010.50 - 1028.50	18.00	18.00	LAMR	LOWER AMARANTH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M REFERENCE
86/04/30	1010.00 - 1013.00	LOWER AMARANTH	HSC	101	OPEN PERFS	13
86/04/30	1016.00 - 1018.00	LOWER AMARANTH	HSC	101	OPEN PERFS	13

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SPKZ	SPARKY ZONE		544.0	X	
LCLD	LOWER COLORADO		567.0		
BFS	BASE OF FISH SCALES		617.0		
MNVL	MANNVILLE		681.0		
JRSC	JURASSIC		789.0		
LAMR	LOWER AMARANTH		951.0		
ALID	ALIDA		987.0		
MCSP	MAIN C SPEARFISH		1026.5		
FTD	F.T.D.		1066.5		

RESERVOIR:

PAY ZONE: L. AMARANTH

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 12

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:15:02
PAGE: 3

FILE NOTE:

HOME/SCURRY S. PIERSON
04-15-002-29 W1 4-15-2-29

HISTORY:

DRILLING HISTORY:

SPUD: 86-03-14
R.R. DATE: 86-03-19
CONTRACTOR: J-HORN #2
KB TO CSG FLANGE: 4.09 M

SURFACE HOLE:

SIZE: 311 MM
CONDUCTOR BARREL: YES
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO

MAIN HOLE:

SIZE: 200 MM
MUD SYSTEM TYPE: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
PLUG DISPLACEMENT FLUID: WTR
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

1986-04-24 INITIAL COMPLETION. PERFORATED SPEARFISH. ACID
WASHED PERFS. FRACTURE TREATMENT WITH 32 T SAND IN
POLYEMULSION. INSTALLED ARTIFICIAL LIFT (66 STRING
NEW).

1986-05-28 PUMP REPAIR, SEIZED WITH FRAC SAND. CIRCULATED
CLEAN TO PBTD.

1988-08-18 PUMP REPAIR, TAGGED PBTD AT 1052.8 M.

1989-03-29 PUMP REPAIR.

1989-07-27 PUMP CHANGE & VISCHEM WAX INHIBITOR SQUEEZE.

1990-01-22 PUMP REPAIR. PIECES OF RYTON SCRAPER IN
PLUNGER.

1990-12-18 CONDUCT WAX INHIBITOR SQUEEZE.

PGM: NW20100
PERIOD: 00

DAILY WELL REPORTING SYSTEM
PROGRAM

DATE: JAN 27, 1993
TIME: 09:18:32
PAGE: 1

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON
WELL LOCATION: LSD 10, SEC 15, TWP 002, RGE 29, W1
LICENCE NO: 3899
AFE NUMBER: NOT FOUND
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE:
ELEVATIONS: KB - 472.10
GRD - 467.93
DEPTHS: TD - 1080.00
PBTD - 0.00
SURFACE CASING: 9 JOINTS, 219.0 MM, 35.7 KG/M, JERW, ST&C, 110.4 M
CEMENTED WITH:
LEAD: 11.0 TONNES "G", .5 M3 RETURNS,
0:0:0 + 3.00% CACL2
INTERMEDIATE CASING: NO INTERMEDIATE CASING
PRODUCTION CASING: 89 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C, 1072.2 M
CEMENTED WITH:
LEAD: 24.0 TONNES "G", M3 RETURNS,
1:1:4 + .50% T-10
TAIL: 8.0 TONNES "G", M3 RETURNS,
0:1:0 + .70% NFL + .10% SPC
LANDED AT: 1070.0 M
TUBING STRING: NO TUBING STRING IN HOLE
ROD STRING: NO ROD STRING IN HOLE
CORES: NO DATE INTERVAL (M) CUT REC'D FORM FORMATION DESCRIPTION
1 86/10/29 1003.00 - 1021.00 18.00 17.35 SPRF SPEARFISH
PERFORATIONS: NO PERFORATIONS PERFORMED
DRILL STEM TESTS: NO DSTS REQUESTED

PGM: NW20100

PERIOD: 00

DAILY WELL REPORTING SYSTEM

PROGRAM

DATE: JAN 27, 1993
TIME: 09:18:32
PAGE: 2

FILE NOTE:

HOME SCURRY S. PIERSON
10-15-002-29 W1

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-65.0			SH
BFS	BASE OF FISH SCALES	-138.0			SH
MNVL	MANNVILLE	-203.0			SS & SH
JRSC	JURASSIC	-308.0			SH & EVAPORITES
AMRN	AMARANTH	-469.0			SH, SILT, SS
SPRF	SPEARFISH	-508.0			LS, DOL, ANHYDRITE
MSSP	MISSISSIPPIAN	-549.0			
FTD	F.T.D.	-600.0			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:18:52
PAGE: 1

FILE NOTE: SPIER 90-080

WELL NAME: HOME SCURRY S. PIERSON 2-16-2-29
WELL LOCATION: LSD 02, SEC 16, TWP 002, RGE 29, W1
LICENCE NO: 4190
AFE NUMBER: SRO 110183
FIELD OFFICE: ESTEVAN, SASK.
ELEVATIONS: KB - 476.96
GRD - 472.56
DEPTHS: TD - 1052.00
PBTD - 1033.10

SURFACE CASING: 10 JOINTS, 219.0 MM, 35.7 KG/M, J-55, BRD ST&C, 124.3 M
CEMENTED WITH:
LEAD: 12.5 TONNES "A", 1.5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 124.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 83 JOINTS, 139.7 MM, 20.8 KG/M, JERW, BRD ST&C, 1053.3 M
CEMENTED WITH:
LEAD: 20.0 TONNES "A", .5 M3 RETURNS,
2:1:8 + .25% FRC-3 + 3.00% KCL
TAIL: 9.0 TONNES "M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3 + 3.00% KCL
LANDED AT: 1052.0 M
FLOAT COLLAR AT: 1037.8 M

WELLHEAD: CASING BOWL : DRH SIZE: 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OP. SIDE: BULL PLUG
TUBING HEAD : T-16 WELDON 179.4 MM 14 MPA X 139.7 MM 14 MPA
TH SIDE VALVES : BALL VALVES SIZE: 50.8 MM 14 MPA BV THRD/OP SIDE: SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA EUE THRD X 73 MM EUE SUSP THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD
FLOW TEE :
WING VALVE :
COMMENT :

TUBING STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	73 MM EUE MULESHOED COLLAR	.10	1028.57
	1	73 MM 9.67 KG/M J-55 EUE NEW TUBING	9.41	1019.16
	1	73 MM EUE 57.91 MM API PSN	.34	1018.82
	108	73 MM 9.67 KG/M J-55 EUE NEW TUBING	1015.47	3.35
		K.B. CORRECTION	3.35	
		TUBING BOTTOM AT: 1028.67		
		TUBING HUN: ROM: TUBING BONNET THRDS IN: STRING TENSION		
		DATE RAN : 90/07/30		

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

DATE: JAN 27, 1993
TIME: 09:18:52
PAGE: 2

HOME SCURRY S. PIERSON 2-16-2-29
02-16-002-29 W1

ROD STRING:		QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1		1	BHP #HODB 17 73 MM X 38.1 MM RWAC-TS 4.27 M X 1.22 M, MAXIMUM STROKE 2.57 M	.61	1018.21
1		1	19 MM PLAIN GRADE D PONY ROD	.61	1017.60
4		4	38.1 MM X 7.62 M X 19 MM PIN SINKER BARS	30.52	987.08
72		72	19 MM PLAIN GRADE C SUCKER RODS	549.36	437.72
56		56	19 MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS	427.28	10.44
1		1	19 MM X 73 MM NYLON SCRAPERED GRADE D PONY ROD	2.44	8.00
1		1	19 MM X73 MM NYLON SCRAPERED GRADE D PONY ROD	1.83	6.17
1		1	31.8 MM X 6.7 M X 19 MM GRADE QC POLISH ROD	6.70	-53
DATE RAN		: 90/07/31			

LOGS:		DATE	LOG	INTERVAL (M)	COMPANY
1		90/07/12	GAMMA RAY/COLLAR LOG	950.00 - 1033.00	JET PERFORATORS
2		90/06/30	DUAL INDUCTION LATEROLOG	123.00 - 1044.00	COMPUTALOG
3		90/06/30	COMP. NEUTRON-LITHO-DENS.	700.00 - 1042.00	COMPUTALOG

CORES:		NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1		1	90/06/29	1013.00 - 1026.00	13.00	SPRC	SPEARFISH	C SAND

PERFORATIONS:		DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
1		90/07/12	1015.00 - 1017.50	MAIN C	SPEARFIS	HSC 60 DEG	101	OPEN PERFS	16 COMP. NEUT
2		90/07/12	1019.00 - 1025.00	MAIN C	SPEARFIS	HSC 60 DEG	101	OPEN PERFS	16 COMP. NEUT

DRILL STEM TESTS:

FORMATIONS:

PROGNOSSED SS LOG TOPS PAY ZONE(M)

LITHOLOGY/COMMENTS

MCSP MAIN C SPEARFISH

LAMR LOWER AMARANTH

SPRA SPEARFISH A SAND

SPRB SPEARFISH B SAND

SPRC SPEARFISH C SAND

MSUC MISSISSIPPIAN UNCONF

MSPR MISSISSIPPIAN POROSI

FTD F.T.D.

-517.3

-538.0

-541.0

-544.0

-555.0

-561.0

-570.0

REDBEDS, SH

SLTST, SS

SLTST, SS

SLTST, SS

SLTST, SS

ANHYDRITIC, DOL

LIMESTONE, DOL

X

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 2-16-2-29
02-16-002-29 W1

DATE: JAN 27, 1993
TIME: 09:18:52
PAGE: 3

HISTORY: DIRECTIONS TO WELL: 6.6 KMS SOUTH, 2.0 KMS WEST, 0.4 KMS
NORTH INTO LOCATION.

DRILLING HISTORY: SPUD 90-06-26. R.R. DATE 90-06-30.
CONTRACTOR - SIMMONS DRILLING.
KB TO CSG FLANGE - 3.90M.

SURFACE HOLE: SIZE 311NG
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE: SIZE 200
MUD SYSTEM TYPE - KCL WATER
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO
PLUG DISPLACEMENT FLUID - WATER
LICENSED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED - 90-06-30

1990-07-31 INITIAL SPEARFISH COMPLETION. FRACTURED
ZONE W/2.82 T 20/40 SAND @ 0 - 810 KG/M3.
SWABBED BACK. CIRCULATED CLEAN & RUN
PUMP & RODS.

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:19:12
PAGE: 1

FILE NOTE: SPIER 90-031

WELL NAME:

HOME SRO S. PIERSON PROV. 4-16-2-29

WELL LOCATION:

LSD 04, SEC 16, TWP 002, RGE 29, WI

AFE NUMBER:

HOC 110101

RESPONSIBILITY:

HOME OIL LTD

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 477.58
GRD - 473.28

DEPTHS:

TD - 1049.00
PBD - 1036.15

SURFACE CASING:

9 JOINTS, 219.1 MM, 35.7 KG/M, J55, ST&C, 119.4 M
CEMENTED WITH:
LEAD: 13.0 TONNES "G", 3.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 119.5 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

82 JOINTS, 139.7 MM, 20.8 KG/M, J55, ST&C, 1051.3 M
CEMENTED WITH:
LEAD: 21.0 TONNES "G", 2.0 M3 RETURNS,
2:1:8 + .50% FRC-3 + .10% D3
TAIL: 5.5 TONNES "G", M3 RETURNS,
0:0:0 + 1.00% CA2 + .10% D3
LANDED AT: 1050.0 M
CEMENT TOP AT: 1.0 M

WELLHEAD:

CASING BOWL : DRH 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OP SIDE: BULL PLUG
TUBING HEAD : T-16, 179.4 MM 14 MPA X 139.7 MM 14 MPA WELD-ON
TH SIDE VALVES : BALL VALVE, 50.8 MM 10 MPA 8V THRD/OP. SIDE: SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA EUE THRD X 73MM EUE SUSP THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM MULESHOED EUE COLLAR	.10	1030.54
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.44	1021.10
1	73 MM X 57.91 MM PROFILE API PSN	.34	1020.76
108	73 MM 9.67 KG/M J-55 EUE TUBING K.B. CORRECTION	1017.31	3.45
TUBING BOTTOM AT: 1030.64			
TUBING HUNG FROM: TBG BONNET THREADS IN: STRING TENSION			
DATE RAN : 90/04/12			

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-031

HOME SRO S. PIERSON PROV. 4-16-2-29
04-16-002-29 W1

DATE: JAN 27, 1993
TIME: 09:19:12
PAGE: 2

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MK8)
1	BHP #H0DB-10, 73 MM X 38.1 MM RWAC 4.27 M X 1.22 M MAXIMUM STROKE 2.51 M	1.15	1019.61
6	38.1 MM X 6.13 M X 19 MM PIN SINKER BARS	36.78	982.83
72	19 MM PLAIN GRADE D SUCKER RODS	548.61	434.22
56	19 MM X 73 MM SCRAPER GRADE C SUCKER RODS	426.70	7.52
1	19 MM X 73 MM SCRAPER GRADE D PONY ROD	.61	6.91
1	31.8 MM X 6.7 M X 19 MM PIN POLISH ROD	6.70	.21

DATE RAN : 90/04/12

DATE	LOG	INTERVAL (M)	COMPANY
90/03/31	GAMMA RAY/COLLAR LOG	925.90 - 1034.40	COMPUTALOG
90/03/04	COMP. NEUTRON-LITHO-DENS.	119.50 - 1046.50	COMPUTALOG
90/03/04	DUAL INDUCTION LATEROLOG	119.50 - 1050.50	COMPUTALOG

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	90/03/04	1014.00 - 1026.00	12.00	12.00	ASAN	"A" SAND

CORES:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
90/03/31	1019.90 - 1026.00	MAIN C SPEARFIS	HSC	101	OPEN PERFS	16	COMP. NEUT

DRILL STEM TESTS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
BOYN	BOYNE	24.0	453.0		SH
FVEL	FAVEL	-70.0	542.0		SS, SH
SWNR	SWAN RIVER	-205.0	686.0		SS, SH
UJRC	UPPER JURASSIC	-320.0	791.0		SH, SS
AMRE	AMARANTH EVAPORITES	-480.0	958.0		ANHY
AMRR	AMARANTH RED BEDS	-513.0	991.0		RD SH
ASAN	"A" SAND	-539.0			SLTST/SS
BSAN	"B" SAND	-542.0			SLTST/SS
MCSP	MAIN C SPEARFISH	-544.0	1021.0	X	VF SS, SLTST
MSUC	MISSISSIPPIAN UNCONF	-556.0	1033.0		ANHY
MSPR	MISSISSIPPIAN POROSI	-560.0			LS/DOL
FTD	F.T.D.	-571.0	1050.0		

RESERVOIR:

PAY ZONE:	00/00/00	FIELD ESTIMATE.
PRESSURE:	10200 KPA	
TEMP.:	45 C	00/00/00

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:19:12
PAGE: 3

FILE NOTE: SPIER 90-031

HOME SRO S. PIERSON PROV. 4-16-2-29
04-16-002-29 W1

HISTORY:

DIRECTIONS TO LEASE: 6.6 KM SOUTH OF PIERSON TOWNSITE,
HEAD WEST 3 KM, NORTH INTO LOCATION.

DRILLING HISTORY:

SPUD DATE: 90-02-28 RIG RELEASE DATE: 90-03-05

CONTRACTOR: SIMMONS K.B. TO C.F. MEAS: 4.0

SURFACE HOLE

SIZE: 311 CONDUCTOR BARREL: Y
ABNORMAL DRILLING CONDITIONS: NIL
ABNORMAL CEMENTING CONDITIONS: NIL

MAIN HOLE

SIZE: 200

TYPE OF MUD SYSTEM: GEL CHEM.

ABNORMAL DRILLING CONDITIONS: NIL

ABNORMAL CEMENTING CONDITIONS: NIL

PLUG DISPLACEMENT FLUID: WATER

LICENCED CEMENT TOP: SURFACE

CALCULATED CEMENT TOP: SURFACE

90-04-15 INITIAL COMPLETION. PERFORATED SPEARFISH. CONDUCT
GELLED BRINE SAND FRAC (NOWSCO), PLACING 6.85 TONNES
SAND. SWAB 14 M3 LOAD FLUID. INSTALLED ARTIFICIAL
LIFT (NEW STRING MIXED GRADE C & D).

FILE NOTE: SPIER 90-030

WELL NAME: HOME SRO S. PIERSON PROV. 6-16-2-29
WELL LOCATION: LSD 06, SEC 16, TWP 002, RGE 29, W1
AFE NUMBER: SRO 110102
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 478.78
GRD - 474.48
DEPTHS: TD - 1047.00
PBTD - 1032.10
SURFACE CASING: 9 JOINTS, 219.0 MM, 35.7 KG/M, J-55, ST&C 8RD, 119.1 M
CEMENTED WITH:
LEAD: 12.0 TONNES "OW", 2.0 M3 RETURNS,
0:0:0 + 3.00% CACL2
LANDED AT: 119.0 M

INTERMEDIATE CASING

PRODUCTION CASING: 81 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C 8RD, 1046.2 M
CEMENTED WITH:
LEAD: 17.0 TONNES "G", 1.0 M3 RETURNS,
2:1:8 + .50% FRC-3 + .10% D3
TAIL: 6.5 TONNES "G", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
LANDED AT: 1046.0 M
CEMENT TOP AT: 1.0 M

WELLHEAD:

CASING BOWL : DRH FS 273MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OP SIDE: BULL PLUG
TUBING HEAD : T-16, 179.4 MM 14 MPA X 139.7 MM 14 MPA WELD-ON
TH SIDE VALVES : BALL VALVE, 50.8 MM 10 MPA 8V THRD/OP SIDE: SAME
TH FLANGE : 179.4 MM 14 MPA X 73 MM 14 MPA EUE THRD X 73 MM EUE SUS THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM MULESHOE COLLAR	.10	1028.45
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.47	1018.98
1	73 MM X 57.91 MM API PSN	.34	1018.64
108	73 MM 9.67 KG/M J-55 EUE TUBING	1015.20	3.44
	KB CORRECTION	3.44	
TUBING BOTTOM AT: 1028.55			
TUBING HUNG FROM: TUBING BONNET THRDS IN: STRING TENSION			
DATE RUN : 90/04/16			

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-030

DATE: JAN 27, 1993
TIME: 09:19:25
PAGE: 2

HOME SRO S. PIERSON PROV. 6-16-2-29
06-16-002-29 w1

ROD STRING:		QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)				
		1	BHP H0DB-11, 73 MM X 38.1 MM RWAC 4.27 M X 1.22 M	1.05	1017.59				
		6	MAXIMUM STROKE 2.51 M						
		72	38.1 MM X 6.05 M X 19 MM PIN SINKER BARS	36.30	981.29				
		55	19 MM PLAIN GRADE 78 D SUCKER RODS	548.61	432.68				
		2	19 MM X 73 MM SCRAPER GRADE 78 D SUCKER RODS	419.08	13.60				
		1	19 MM X 73 MM SCRAPERED X 1.83 M GRADE D PONY RODS	3.66	9.94				
		1	31.8 MM X 6.7 M X 19 MM PIN POLISH ROD	6.70	3.24				
		DATE RAN : 90/04/16							
LOGS:		DATE	LOG	INTERVAL (M)	COMPANY				
		90/04/06	GAMMA RAY/COLLAR LOG	921.30 - 1029.30	COMPUTALOG				
		90/03/10	DUAL INDUCTION LATEROLOG	118.70 - 1046.70	COMPUTALOG				
		90/03/10	COMP. NEUTRON-LITHO-DENS.	694.70 - 1043.00	COMPUTALOG				
CORES:		NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION	
		1	90/03/10	1013.00 - 1025.00	12.00	11.00	MCSP	MAIN C SPEARFISH	
PERFORATIONS:		DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
		90/04/06	1018.60 - 1019.60	"B" SAND	HSC	101	OPEN PERFS	16	COMP. NEUT
		90/04/06	1021.00 - 1024.60	MAIN C SPEARFIS	HSC	101	OPEN PERFS	16	COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:		CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
		BOYN	BOYNE	26.0			SH
		FVEL	FAVEL	-68.0			SS, SH
		SWNR	SWAN RIVER	-203.0			SS, SH
		JRSC	JURASSIC	-318.0			SH, SS
		AMRE	AMARANTH EVAPORITES	-478.0			ANHYDRITE/SH
		AMRR	AMARANTH RED BEDS	-511.0			RED SHALE
		ASAN	"A" SAND	-537.0			SLTST/SS
		BSAN	"B" SAND	-540.0			SLTST/SS
		MCSP	MAIN C SPEARFISH	-542.0		X	VF SS/SLTST/SH
		MSUC	MISSISSIPPIAN UNCONF	-554.0			ANHY/DOL
		MSPR	MISSISSIPPIAN POROSI	-558.0			LS/DOL
		FTD	F.T.D.	-569.0			

RESERVOIR: PAY ZONE:
PRESSURE: 10000 KPA
TEMP.: 45 C
00/00/00 ANS PRESS B.U.
00/00/00

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:19:25
PAGE: 3

FILE NOTE: SPIER 90-030

HOME SRO S. PIERSON PROV. 6-16-2-29
06-16-002-29 W1

HISTORY:

DIRECTIONS TO LEASE: 6.6 KM SOUTH OF PIERSON TOWNSITE.
HEAD WEST 2.6 KM, NORTH INTO LOCATION

DRILLING HISTORY

SPUD DATE: 90-03-06 RIG RELEASE DATE: 90-03-11

CONTRACTOR: SIMMONS K.B. TO C.F. MEAS: 4.0

SURFACE HOLE
SIZE: 311 CONDUCTOR BARREL: V
ABNORMAL DRILLING CONDITIONS: NIL
ABNORMAL CEMENTING CONDITIONS: NIL

MAIN HOLE
SIZE: 200
TYPE OF MUD SYSTEM: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NIL
ABNORMAL CEMENTING CONDITIONS: NIL
PLUG DISPLACEMENT FLUID: WATER
LICENCED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

1990-04-17 INITIAL COMPLETION. PERF'D SPEARFISH FULLY
UNDERBALANCED. CONDUCT GELLED BRINE SAND
FRAC (NOWSCO); PLACED 6.2 T SAND. SWAB 14 M3
LOAD FLUID. INSTALLED ARTIFICIAL LIFT (NEW
STRING GRADE D).

FILE NOTE:

WELL NAME: HOME/SCURRY S. PIERSON 8-16-2-29

WELL LOCATION: LSD 08, SEC 16, TWP 002, RGE 29, W1

LICENCE NO: 4043

AFE NUMBER: HOC -R&M

FIELD OFFICE: ESTEVAN

ELEVATIONS: KB - 474.13
GRD - 469.73

DEPTHS: TD - 1079.00
PBD - 1070.30

SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J55 , 129.2 M
CEMENTED WITH:
LEAD: 13.0 TONNES "G ", 3.5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 129.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 86 JOINTS, 139.7 MM, 20.8 KG/M, J-55 , ST&C , 1079.4 M
CEMENTED WITH:
LEAD: 15.8 TONNES "G ", 370.0 M3 RETURNS,
0:1:0
TAIL: 7.8 TONNES "G ", M3 RETURNS,
0:1:0
LANDED AT: 1079.0 M
CEMENT TOP AT: 155.0 M
FLOAT COLLAR AT: 1042.0 M
ECP 1033.5 - 1038.5 FOAM/NEAT INTERFACE 809 M

WELLHEAD: CASING BOWL : OCT 228.6 MM 14 MPA X 139.7 MM X 219 MM
CB SIDE VALVES : 50.8 MM C/W STANDARD SURFACE CASING VENT ASSEMBLY
TUBING HEAD : OCT T-16 - 228.6 MM X 14 MPA X 139.7 MM X 179.4 MM, 14 MPA
TH SIDE VALVES : BARTON 52.4 MM X 50.8 MM LP 14 MPA GATE VALVES EACH SIDE
TH FLANGE : OCT 179.4 MM, 14 MPA X 73 EUE SUSP THRD X 73 MM EUE PIN
MASTER VALVE : }
FLOW TEE : } STANDARD 73 MM EUE X 31.8 MM PUMPING STYLE
WING VALVE : }

PGM: NW20100

PERIOD: 06

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE:

HOME/SCURRY S. PIERSON
08-16-002-29 W1

8-16-2-29

DATE: JAN 27, 1993
TIME: 09:26:29
PAGE: 2

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM MULESHOED TAIL JOINT	7.00	1015.24
1	73 MM API - PSN	.34	1014.90
105	73 MM 9.67 KG/M J-55 EUE TUBING JOINTS	994.63	20.27
1	73 MM 9.67 KG/M J-55 EUE TUBING PUP JOINT	2.44	17.83
1	73 MM 9.67 KG/M J-55 EUE TUBING PUP JOINT	2.48	15.35
1	73 MM 9.67 KG/M J-55 EUE TUBING PUP JOINT	1.87	13.48
1	73 MM 9.67 KG/M J-55 EUE TUBING JOINT	9.50	3.98
1	73 MM 9.67 KG/M J-55 EUE TUBING JOINT	3.98	

K.B. CORRECTION

TUBING BOTTOM AT: 1022.24 M K.B.

TUBING HUNG FROM: TUBING BONNET IN: STRING TENSION

DATE RAN : 90/03/16

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #H08B19 73 MM X 38.1 MM RWAC-TS 4.27M X 1.22M, MAXIMUM STROKE 2.54M.	1.52	1013.38
4	38.1 MM X 7.62 M X 19 MM PIN SINKER BARS	30.48	982.90
73	19 MM PLAIN GRADE D SUCKER RODS	556.26	426.64
54	19 MM X 73 MM RYTON SCRAPERED GRADE D SUCKER RODS	411.46	15.18
2	19 MM X 73 MM RYTON SCRAPERED GRADE D PONY RODS (1.83 M)	3.66	11.52
1	19 MM X 73 MM RYTON SCRAPERED GRADE D PONY RODS (1.22 M)	1.22	10.30
1	19 MM PIN X 31.8 M X 6.7 M POLISH ROD	6.70	3.60

DATE RAN : 90/09/01

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
88/06/11	GAMMA RAY/COLLAR LOG	919.00 - 1069.00	JET PERFORATORS
88/03/04	CEMENT BOND	900.00 - 1067.50	SCHLUMBERGER
88/03/04	CEMENT EVALUATION	900.00 - 1069.30	SCHLUMBERGER
88/02/28	DUAL INDUCTION LATEROLOG	129.00 - 1078.00	SCHLUMBERGER
88/02/28	COMP. NEUTRON-LITHO-DENS.	975.00 - 1077.00	SCHLUMBERGER
88/02/28	SONIC	975.00 - 1078.00	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	88/02/28	1010.00 - 1028.00	18.00	7.10	SPRF	SPEARFISH
2	88/02/28	1029.00 - 1039.00	10.00	10.00	MSSP	MISSISSIPPIAN

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
90/03/02	1018.00 - 1021.50	SPEARFISH	HSC	101	OPEN PERFS	13	COMP. NEUT
88/06/11	1030.00 - 1032.00	MISSISSIPPIAN	HSC	CASING 101	BELOW BP	13	COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

PGM: NW20100

PERIOD: 06

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:26:29
PAGE: 3

FILE NOTE:

8-16-2-29

HOME/SCURRY S. PIERSON
08-16-002-29 W1

FORMATIONS:

CODE	DESCRIPTION
SSPK	SECOND WHITE SPECKS
BFS	BASE OF FISH SCALES
MNVL	MANNVILLE
JRSC	JURASSIC
AMRN	AMARANTH
SPRF	SPEARFISH
MSSP	MISSISSIPPIAN
FTD	F.T.D.

PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
-70.0			SH
-142.0			SH
-206.0			SS, SH
-314.0			SH
-477.0			SH, EVAP
-515.0		X	SH, SLTST, SS
-549.0			LS, DOL, ANHYD
-605.0			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 06

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:26:29
PAGE: 4

FILE NOTE:

HOME/SCURRY S. PIERSON
08-16-002-29 W1

8-16-2-29

HISTORY:

DIRECTIONS TO LEASE: FROM PIERSON MANITOBA 5.6 KMS SOUTH,
1.6 KMS WEST, 1.2 KMS SOUTH, WEST 0.4 KMS INTO LOCATION.

1988-02-24 DRILLING.

1988-03-02 INITIAL COMPLETION, PERFORATED MISSISSIPPIAN.
ACID WASHED W/ 1000 L 15% HCL. SWAB TESTED.
INSTALLED ARTIFICIAL LIFT (NEW 66 STRING
GRADE D).

1988-09-21 XYLENE SOAK/ACIDIZE WELL.

1990-03-16 RECOMPLETE TO SPEARFISH. ABANDONED MISSISSIPPIAN
WITH BRIDGE PLUG/CMT. PERF'D & STRESS FRAC'D
SPEARFISH. CONDUCT GELLED BRINE FRAC. SANDED
OFF WITH 3.2 T IN FORMATION.

1990-08-31 PUMP REPAIR. FRAC SAND AT BOTTOM OF TUBING.
CIRCULATE TO PBTD.

1990-09-24 CONDUCT TRETOLITE WAX INHIBITOR SQUEEZE.

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:26:39
PAGE: 1

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 10-16-2-29
WELL LOCATION: LSD 10, SEC 16, TWP 002, RGE 29, W1
LICENCE NO: 4303
AFE NUMBER: HOC 112034
FIELD OFFICE:
ELEVATIONS: KB = 477.20
GRD = 473.04
DEPTHS: TD = 1026.50
PBTD = 1026.50 LOG TAG 92-04-14
SURFACE CASING: 9 JOINTS, 244.0 MM, 48.1 KG/M, H-40, ST&C 8RD, 120.2 M
CEMENTED WITH:
LEAD: 15.0 TONNES "A", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 119.0 M

INTERMEDIATE CASING: 18 JOINTS, 177.8 MM, 29.7 KG/M, J-55, ST&C 8RD, 1008.1 M
CEMENTED WITH:
LEAD: 20.0 TONNES "A", 2.0 M3 RETURNS,
1:1:4 + .50% FRC-1 + .50% FLC-1 + .10% D3
TAIL: 8.0 TONNES "G", 2.0 M3 RETURNS,
0:1:0 + .50% FRC-1 + .50% FLC-1 + 1.00% D3
120.6MM OPENHOLE COMPLETION 1007.5 TO 1026.6M

TUBING STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	73 MM EUE SAWTOOTH COLLAR	.13	1026.21
	1	73 MM 9.67 KG/M JERW EUE TUBING	9.28	1016.93
	1	73 MM EUE FRICTION API PSN 57.91 MM PROFILE	.33	1016.60
	106	73 MM 9.67 KG/M JERW EUE TUBING	1013.15	3.45
		K.B. CORRECTION	3.45	
		TUBING BOTTOM AT: 1026.34 MKB		
		TUBING HUNG FROM: BONNET (NO DOGNET)		
		DATE RAN : 92/09/27		
		IN: STRING TENSION		

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE:

DATE: JAN 27, 1993
TIME: 09:26:39
PAGE: 2

HOME SCURRY S. PIERSON
10-16-002-29 W1

10-16-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #SWU-65, 73 MM X 38.1 MM RWAC 4.87 M X 1.2 M, HOLLOW PULL-TUBE, CORLOY/CHROME BARREL, SPRAY METAL PLUNGER, DOUBLE TRAVELLING VALVE, CORLOY FITTINGS, MAXIMUM STROKE (126") - 3.20 M	.69 .59 24.60 541.73 442.54	
1	19 MM PLAIN GRADE D PONY ROD		
4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS		
71	19 MM PLAIN GRADE C SUCKER RODS		
58	19 MM X 73 MM NYLON SCRAPER GRADE C SUCKER RODS		
3	19 MM X 73 MM NYLON SCRAPER GRADE D PONY RODS (2 - 1.22 M, 1 - 2.44)	4.88	
1	31.8 MM X 6.71 M X 19 MM PIN POLISH ROD C/W		
	38.1 MM X 3.05 M POLISH ROD LINER	6.71	
DATE RAN : 92/09/27			

DATE	LOG	INTERVAL (M)	COMPANY
92/04/14	COMP. NEUTRON-LITHO-DENS.	1007.50 - 1025.80	SCHLUMBERGER
92/04/14	DUAL INDUCTION LATEROLOG	1007.50 - 1023.50	SCHLUMBERGER

LOGS:

CORES:

NO CORES CUT

PERFORATIONS: DATE 92/04/08 INTERVAL (M) 1007.50 - 1026.60 "C" SAND
GUN TYPE DIA PERF STATUS SHOTS/M REFERENCE
OPEN HOLE

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:	CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M) X	LITHOLOGY/COMMENTS
	SPRF	SPEARFISH	-66.0			
	SSPK	SECOND WHITE SPECKS	-514.5			REDBEDS, SH
	LAMR	LOWER AMARANTH	-531.0			
	FRTO	FIRST TO	-534.0			
	CRPT	CORE POINT	-536.0			SLTST/SS
	ASAN	"A" SAND	-539.0			SLTST/SS
	BSAN	"B" SAND	-541.0			
	CSAN	"C" SAND	-546.0			
	BASC	BASE OF "C"	-550.0			
	FTD	F.T.D.				

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORMOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:26:39
PAGE: 3

FILE NOTE:

ARTIFICIAL LIFT EQUIPMENT:

PUMP JACK:

MAKE: LUFKIN MODEL: C 80 D SIZE: 80 X 133
AVAILABLE STROKE LENGTHS (IN): 36.0 / 45.0 / 54.0 / 0.0
DIRECTION OF ROTATION: (VIEWED WITH WELLHEAD TO THE RIGHT)
PRIME MOVER: MODEL (ELECTRIC)
H.P.: 10.0 / 0.0 / 0.0
JACK SHAFT: N (Y/N) SHEAVE SIZE (IN): 4.0

PRESENT OPERATING CONDITIONS:

S.P.M: 6.0 STROKE LENGTH (IN): 54.0
DATE OF LAST ENTRY: 1992 / 09 / 29

COMMENTS:

PGM: NWZ0100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

HOME SCURRY S. PIERSON
10-16-002-29 w1

10-16-2-29

FILE NOTE:

DIRECTIONS TO LEASE:

DRILLING HISTORY:

1992-04-13 INITIAL COMPLETION. RAN OPENHOLE LOGS. INSTALLED
TUBING. INSTALLED ARTIFICIAL LIFT, USED 66 STRING
WITH NEW 31.8MM PUMP. PRODUCTION TEST TO EVALUATE
OPENHOLE COMPLETION TECHNIQUE.
PUMP FAILED 12 HRS AFTER STARTUP, TRIPPED RODS ON
04-28 TO REPLACE PUMP.

NOTE: TUBING AND ROD STRING TRANSFERRED FROM
4-21-2-29W1, TUBING INSPECTED PRIOR TO RUNNING.

1992-09-21

WORKOVER TO FRAC STIMULATE, PUMPED GELLED DIESEL
PLACING 5.7 T SAND IN FORMATION. SWAB RECOVER
19 M3 LOAD FLUID. INSTALLED 1.5" HOLLOW PULL TUBE
PUMP.

DATE: JAN 27, 1993
TIME: 09:26:39
PAGE: 4

DATE: JAN 27, 1993
TIME: 09:26:47
PAGE: 1

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

PGM: NW20100
PERIOD: 02

WELL NAME: HOME SCURRY S. PIERSON 12-16-2-29
WELL LOCATION: LSD 12, SEC 16, TWP 002, RGE 29, W1
LICENCE NO: 4191
AFE NUMBER: HOC 110184
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 479.27
GRD - 475.07
DEPTHS: TD - 1054.00
PBTD - 1032.30
SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, 8RD, 123.7 M
CEMENTED WITH: 12.0 TONNES "A", 2.0 M3 RETURNS,
LEAD: 0:1:0 + 3.00% CACL2
LANDED AT: 123.0 M
FLOAT COLLAR AT: 116.9 M
INTERMEDIATE CASING: NO INTERMEDIATE CASING
PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C 8RD, 1054.7 M
CEMENTED WITH: 7.0 TONNES "A", 3.0 M3 RETURNS,
LEAD: 0:0:0 + 1.00% CA-2 + .10% D3
TAIL: 21.0 TONNES "A", M3 RETURNS,
LANDED AT: 2:1:8 + .25% FRC-3
1054.0 M
FLOAT COLLAR AT: 1034.0 M
LEAD CEMENT IS TELMASTER
WELLHEAD: CASING BOWL : DRH, 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY SIDE: BULL PLUG
TUBING HEAD : T-16 WELD-ON, 179.4 MM 14 MPA X 139.7 MM 14 MPA
TH SIDE VALVES : BALL VALVE, 50.8 MM 14 MPA 8V THRD/OPPOSITE SIDE: SAME
TH FLANGE : 179.4 MM 14 MPA X 73 MM 14 MPA EUE THRD X 73 MM EUE SUS THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 12-16-2-29
12-16-002-29 w1

DATE: JAN 27, 1993
TIME: 09:26:47
PAGE: 2

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE MULESHOED COLLAR	.10	1028.37
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.37	1019.00
1	73 MM EUE API PSN (57.91 MM)	.34	1018.66
105	73 MM 9.67 KG/M J-55 EUE TUBING	1000.23	18.43
1	73 MM 9.67 KG/M J-55 EUE PUP JOINT	3.05	15.38
1	73 MM 9.67 KG/M J-55 EUE PUP JOINT	2.44	12.94
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.49	3.45
1	KB CORRECTION	3.45	

TUBING BOTTOM AT: 1028.47
TUBING HUNG FROM: TUBING BONNET THRDS IN: STRING TENSION
DATE RAN : 90/08/31

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM177, 73 MM X 38.1 M RWAC-TS 4.87 M X 1.22 M, MAXIMUM STROKE 2.90 M	.61	
1	19 MM X 0.61 M PLAIN GRADE D PONY ROD	.61	
4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	24.40	
72	19 MM PLAIN GRADE C SUCKER RODS	549.36	
57	19 MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS	434.34	
2	19 MM X 73 MM NYLON SCRAPERED GRADE D PONY RODS	4.88	
1	19 MM X 73 MM NYLON SCRAPERED GRADE D PONY ROD	1.83	
1	31.8 MM X 6.7 M X 19 MM PIN GRADE QC POLISH ROD		
	C/W 1 - 19 MM X 0.61 M PLAIN GRADE D PONY ROD	6.70	
	ON TOP		

DATE RAN : 90/08/31

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
90/08/14	GAMMA RAY/COLLAR LOG	924.10 - 1032.30	COMPUTALOG
90/07/08	DUAL INDUCTION LATEROLOG	123.00 - 1054.00	COMPUTALOG
90/07/08	COMP. NEUTRON-LITHO-DENS.	700.00 - 1054.00	COMPUTALOG

CORES:

NO CORES CUT

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
90/08/14	1015.50 - 1019.50	SPEARFISH B	HSC 60 DEG	101	OPEN PERFS	16	COMP. NEUT
90/08/14	1021.50 - 1025.00	SPEARFISH C	HSC 60 DEG	101	OPEN PERFS	16	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 12-16-2-29
12-16-002-29 W1

DATE: JAN 27, 1993
TIME: 09:26:47
PAGE: 3

FORMATIONS:		CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY	ZONE (M)	LITHOLOGY/COMMENTS
		LAMR	LOWER AMARANTH	-516.0				REDBEDS, SH
		SPRA	SPEARFISH A SAND	-535.0		X		SLTST, SS
		SPRB	SPEARFISH B SAND	-539.0		X		SLTST, SS
		SPRC	SPEARFISH C SAND	-542.0		X		SLTST, SS
		MSUC	MISSISSIPPIAN UNCONF	-553.5				ANHYDRITIC, DOL
		MSPR	MISSISSIPPIAN POROSI	-560.0				LIMESTONE, DOL
		FTD	F.T.D.	-568.5				

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 12-16-2-29
12-16-002-29 W1

HISTORY:

ROAD DIRECTIONS:

FROM PIERSON, MANITOBA - 6.6 KMS SOUTH,
3.2 KMS WEST, 1.2 KMS NORTH, 0.4 KMS
EAST INTO LOCATION.

DRILLING HISTORY:

SPUD - 90-07-04
R.R. DATE - 90-07-08
CONTRACTOR - SIMMONS DRILLING
K.B. TO CSG FLANGE - 4.0 M

SURFACE HOLE:

SIZE - 311
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - YES
HAD TROUBLE HOLDING
PRESSURE TEST

MAIN HOLE:

SIZE - 200
MUD SYSTEM TYPE - GEL CHEM
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO
PLUG DISPLACEMENT FLUID - WATER
LICENSED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED: 90-07-09

1990-08-13

INITIAL COMPLETION. PERF'D SPEARFISH B & C
SANDS. CONDUCT GELLED WATER SAND FRAC. SANDED
OFF WITH 0.5 T SAND IN FORMATION. SWAB RECOVER
13.75 M3 LOAD FLUID. INSTALL ARTIFICIAL LIFT.

DATE: JAN 27, 1993
TIME: 09:26:47
PAGE: 4

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

WELL NAME:

HOME SCURRY S. PIERSON 2-17-2-29

WELL LOCATION:

LSD 02, SEC 17, TWP 002, RGE 29, W1

LICENCE NO:

4201

AFE NUMBER:

HOC 110181

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 478.46
GRD - 474.06

DEPTHS:

TD - 1057.00
PBTD - 1036.80

SURFACE CASING:

10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C 8RD, 123.3 M
CEMENTED WITH:
LEAD: 12.0 TONNES "A", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 123.5 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

82 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C 8RD, 1056.8 M
CEMENTED WITH:
LEAD: 21.0 TONNES "A", 2.5 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "G", M3 RETURNS,
0:0:0 + 1.00% CA2 + .10% D3
LANDED AT: 1056.0 M
FLOAT COLLAR AT: 1037.5 M

WELLHEAD:

CASING BOWL : DRH, 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OPPOSITE SIDE: BULL PLUG
TUBING HEAD : T-16 SLIP ON, 179.4 MM 14 MPA X 139.7 MM 14 MPA
TH SIDE VALVES : BALL VALVES 50.8 MM 14 MPA 8 V THRD/OPPOSITE SIDE: SAME
TH FLANGE : 179.4 MM 14 MPA X 73MM 14 MPA EUE THRD X 73MM EUE SUSP THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD
FLOW TEE : AS ABOVE
WING VALVE : AS ABOVE
COMMENT : AS ABOVE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

DATE: JAN 27, 1993
TIME: 09:29:46
PAGE: 2

HOME SCURRY S. PIERSON 2-17-2-29
02-17-002-29 W1

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE MULESHOED COLLAR	.10	1032.71
1	73 MM 9.67 KG/M J-55 EUE NEW TUBING	9.57	1023.14
1	73 MM EUE API PSN (57.91 MM)	.34	1022.80
107	73 MM 9.67 KG/M J-55 EUE NEW TUBING	1006.97	15.83
1	73 MM 9.67 KG/M J-55 EUE PUP JOINT	1.86	13.97
1	73 MM 9.67 KG/M J-55 EUE PUP JOINT	1.29	12.68
1	73 MM 9.67 KG/M J-55 EUE NEW TUBING	9.43	3.25
	K.B. CORRECTION	3.25	

TUBING BOTTOM AT: 1032.81
TUBING HUNG FROM: TUBING BONNET THRDS IN: STRING TENSION
DATE RAN : 90/07/16

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM 173, 73 MM X 38.1 MM RWAC-TS 4.27 M X 1.22 M, MAXIMUM STROKE 2.59 M, C/W SPOOL CHECK	.31	
1	19 MM PLAIN GRADE D PONY ROD	.61	
4	38.1 MM X 7.62 M X 19 MM PIN SINKER BARS	30.52	
72	19 MM PLAIN GRADE C SUCKER RODS	549.36	
57	19 MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS	434.91	
1	19 MM X 73 MM NYLON SCRAPERED GRADE D PONY ROD	.61	
1	31.8 MM X 6.7 M X 19 MM PIN POLISH ROD WITH 1.9 MM X 0.61 M PLAIN GRADE D PONY ROD ON TOP	6.70	

DATE RAN : 90/07/16

LOGS: DATE LOG 90/06/29 GAMMA RAY/COLLAR LOG INTERVAL (M) 950.00 - 1035.50 COMPANY COMPUTALOG

CORES: NO CORES CUT

PERFORATIONS: DATE INTERVAL (M) 90/06/29 1024.00 - 1030.00 SPEARFISH C SAN HSC 60 DEG 101 GUN TYPE DIA PERF STATUS SHOTS/M REFERENCE
16 COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-521.5			REOBEDS, SH
SPRA	SPEARFISH A SAND	-543.0			SLTST/SS
SPRB	SPEARFISH B SAND	-547.0			SLTST/SS
SPRC	SPEARFISH C SAND	-549.0		X	SLTST/SS
MSUC	MISSISSIPPIAN UNCONF	-560.0			ANHYDRITIC DOL
MSPR	MISSISSIPPIAN POROSI	-562.0			LIMESTONE/DOL
FTD	F.T.D.	-575.0			

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 2-17-2-29
02-17-002-29 w1

DATE: JAN 27, 1993
TIME: 09:29:46
PAGE: 3

HISTORY: ROAD DIRECTIONS: 6.6 KMS SOUTH, 2.0 KMS WEST, 0.4
KMS NORTH INTO LOCATION.

DRILLING HISTORY: SPUD - 90-06-13
R.R. DATE - 90-06-17
CONTRACTOR - SIMMONS DRILLING
K.B. TO FLANGE 3.9 M KB

SURFACE HOLE: SIZE: 311
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE: SIZE: 200
MUD SYSTEM TYPE - GEL CHEM
ABNORMAL DRILLING CONDITIONS - EXTRA WIPER
TRIP REQUIRED FOR LOGGING 2 LOG SWEEPS DONE.
ABNORMAL CEMENTING CONDITIONS - NO
PLUG DISPLACEMENT FLUID - WATER
LICENSED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED: 90-06-17

1990-07-16 INITIAL COMPLETION. PERF'D SPEARFISH
FULL UNDERBALANCE. CONDUCT GELLED WATER
SAND FRAC, PLACING 4 T IN FORMATION,
SANDED OFF DURING FLUSH. SWAB 15 M3
LOAD FLUID. INSTALLED ARTIFICIAL LIFT.

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:29:58
PAGE: 1

FILE NOTE: SPIER 90-164

WELL NAME:

HOME SCURRY S. PIERSON 4-17-2-29

WELL LOCATION:

LSD 04, SEC 17, TWP 002, RGE 29, W1

LICENCE NO:

4236

A/E NUMBER:

HOC 110435

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 479.36
GRD - 475.16

DEPTHS:

TD - 1061.00
PBD - 1043.00 PERF TAG 91-02-19

SURFACE CASING:

10 JOINTS, 219.0 MM, 35.7 KG/M, JE, ST&C, 132.2 M
CEMENTED WITH:
LEAD: 13.0 TONNES "A", 2.5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 132.0 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

83 JOINTS, 139.7 MM, 20.8 KG/M, JE, ST&C, 1062.7 M
CEMENTED WITH:
LEAD: 20.0 TONNES "A", 2.0 M3 RETURNS,
2:1:8 + .25% FRC-3
LANDED AT: 1062.7 M
FLOAT COLLAR AT: 1046.8 M

WELLHEAD:

CASING BOWL : DRH FS SIZE 273MM 14 MPA X 219MM CASING SLIP ON
CB SIDE VALVES : 50.8MM. SURFACE VENT ASSEMBLY/OPPOSITE SIDE: BULL PLUGGED
TUBING HEAD : T-16 179.4MM 14 MPA X 139.7MM 14 MPA
TH SIDE VALVES : WKM BALL VALVES 50.8MM 14 MPA 8V THRD/OPPOSITE SIDE: SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA EUE THRD X 73MM EUE SUSP. THRD
MASTER VALVE : STANDARD PUMPING STYLE WELLHEAD.

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73MM EUE MULESHOED COLLAR	.10	1036.05
1	73MM 9.67 KG/M J-55 EUE ERW NEW PRUDENTIAL TUBING	9.53	1026.52
1	73MM X 57.91MM EUE FRICTION API PSN	.34	1026.18
108	73MM 9.67 KG/M J-55 EUE ERW NEW PRUDENTIAL TUBING KB CORRECTION	1022.62	3.56
	TUBING BOTTOM AT: 1036.15		
	TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING WEIGHT		
	DATE RAN : 91/02/23		

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-164

HOME SCURRY S. PIERSON 4-17-2-29
04-17-002-29 w1

DATE: JAN 27, 1993
TIME: 09:29:58
PAGE: 2

ROD STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	H0D8-24, BHP 73MM X 31.8MM RWAC (DURAH BARREL)		
	1	4.27M X 1.2M. MAXIMUM STROKE 2.57M	.46	
	1	19MM X 0.61M PLAIN GRADE 78D PONY ROD	.61	
	4	38.1MM X 6.1M X 19MM PIN SINKER BARS	24.40	
	72	19MM PLAIN GRADE 30C SUCKER RODS	549.36	
	58	19MM X 73MM SCRAPERED GRADE 30C SUCKER RODS	442.54	
	1	19MM X 73MM SCRAPERED 1.81M GRADE 78D PONY ROD	1.81	
	1	31.8MM X 6.7M X 19MM PIN GRADE QC POLISH ROD		
		C/W 1 - 38.1MM X 31.8MM X 3.05M POLISH ROD		
		LINER & 1 - 19MM X 0.61M PLAIN GRADE 78D		
		POHY ROD ON TOP.		
DATE RAN		: 91/02/23	6.70	

LOGS: DATE LOG INTERVAL (M) COMPANY
91/02/03 DUAL INDUCTION LATEROLOG 131.80 - 1060.00 COMPUTALOG
91/02/03 COMP. NEUTRON-LITHO-DENS. 131.80 - 1060.00 COMPUTALOG

CORES: NO CORES CUT

PERFORATIONS: DATE INTERVAL (M) FORMATION GUN TYPE DIA PERF STATUS SHOTS/M REFERENCE
91/02/19 1025.00 - 1031.00 SPEARFISH C SAN HSC 120 DE 101 OPEN PERFS 13 COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:	CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	LAMR	LOWER AMARANTH	-524.0			SHALE
	SPRA	SPEARFISH A SAND	-546.0			SLTST, SS, SH
	SPRB	SPEARFISH B SAND	-549.0			SLTST, SS, SH
	SPRC	SPEARFISH C SAND	-551.0		X	SLTST, SS, SH
	MSUC	MISSISSIPPIAN UNCONF	-562.0			ANHY DOL
	MSPR	MISSISSIPPIAN POROSI	-564.0			DOL/LS
	FTD	F.T.D.	-577.0			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-164

HOME SCURRY S. PIERSON 4-17-2-29
04-17-002-29 W1

DATE: JAN 27, 1993
TIME: 09:29:58
PAGE: 3

HISTORY:

DIRECTIONS TO LEASE:

FROM MANITOBA/SASKATCHEWAN BORDER ON HIGHWAY #18, 1.6 KMS
EAST ON HIGHWAY, 6.4 KMS SOUTH, 0.4 KMS EAST, 0.4 KMS NORTH
INTO LOCATION.

DRILLING HISTORY:

SPUD: 91-01-31
R.R. DATE: 91-02-04
CONTRACTOR: SIMMONS DRILLING #27
KB TO CSG FLANGE: 4.10 M

SURFACE HOLE:

SIZE: 311 MM
CONDUCTOR BARREL: YES
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO

MAIN HOLE:

SIZE: 200 MM
MUD SYSTEM TYPE: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
PLUG DISPLACEMENT FLUID: WTR
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

1991-02-14

INITIAL COMPLETION. PERFD SREARFISH C SAND.
GELLED WATER SAND FRAC. PLACED 7 T SAND. SWAB
13.5 M3 LOAD WATER. INSTALLED ARTIFICAL LIFT
(NEW 66 STRING GRADE C RODS).

FILE NOTE: PIER 90-201

WELL NAME:

HOME/SCURRY S. PIERSON 6-17-2-29

WELL LOCATION:

LSD 06, SEC 17, TWP 002, RGE 29, W1

LICENCE NO:

3970

APE NUMBER:

HOC -R&M

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 480.45
GRD - 476.00

DEPTHS:

TD - 1087.00
PBD - 1075.00

SURFACE CASING:

10 JOINTS, 219.1 MM, 35.0 KG/M, J-55, ST&C, 122.2 M
CEMENTED WITH:
LEAD: 12.0 TONNES "G", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 122.0 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

89 JOINTS, 139.7 MM, 20.8 KG/M, J55, LT&C, 1087.1 M
CEMENTED WITH:
LEAD: 25.0 TONNES "G", M3 RETURNS,
1:1:4 + .50% T-10
TAIL: 13.0 TONNES "G", 5.0 M3 RETURNS,
0:1:0 + .90% NFL + .10% SPC12
LANDED AT: 1087.0 M

WELLHEAD:

CASING BOWL : T-16, SIZE 228.6 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM, SURFACE VENT ASSEMBLY/OP.SIDE: 50.8 BULL PLUG
TUBING HEAD : T-16, SIZE 228.6 MM 14 MPA X 179.38 MM 14 MPA
TH SIDE VALVES : WKM GATE, SIZE 50.8 MM 14 MPA L.P. THRD/OP.SIDE: SAME
TH FLANGE : 179.3 MM 14 MPA X 73 MM 14 MPA, EUE THRD X 73 MM EUE SUSTHRD
MASTER VALVE : STANDARD 73 EUE X 31.8 MM PUMPING STYLE
FLOW TEE : STANDARD 73 EUE X 31.8 MM PUMPING STYLE
WING VALVE : STANDARD 73 EUE X 31.8 MM PUMPING STYLE

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE MULESHOED COLLAR	.13	1033.73
1	73 MM 9.67 KG/M J-55 EUE TUBING JOINT	9.37	1024.36
1	73 MM API - PSN	.33	1024.03
10	73 MM 9.67 KG/M J-55 EUE TUBING JOINTS	95.42	928.61
6	73 MM 9.67 KG/M J-55 EUE TUBING (NEW & YELLOWBAND) JOINTS		
91	73 MM 9.67 KG/M J-55 EUE TUBING JOINTS KB TO TUBING HEAD	57.67	870.94
	TUBING BOTTOM AT: 1033.86 MKB	866.92	4.02
	TUBING HUNG FROM: TUBING BONNET		
	DATE RAN : 89/09/23		
	IN: STRING TENSION		

PGM: NW20100
PERIOD: 06

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:30:30
PAGE: 2

FILE NOTE: PIER 90-201

HOME/SCURRY S. PIERSON
06-17-002-29 W1

6-17-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM 160, 73 MM X 44.45 MM RWAC 4.87 M X 1.52M	7.90	
1	MAXIMUM STROKE 3.35 M	.61	
4	19 MM X 0.61 M GRADE D PLAIN PONY ROD	30.48	
5	38.1 MM X 7.62 M X 19 MM PIN SINKER BARS	38.10	
10	19 MM GRADE D PLAIN SUCKER RODS	76.20	
	19 MM X 73 MM CROWN SCRAPERED 6/ROD GRADE D SUCKER	510.52	
67	RODS	350.50	
46	19 MM GRADE D PLAIN SUCKER RODS		
	19 MM X 73 MM CROWN SCRAPERED 6/ROD GRADE D SUCKER	.61	
1	RODS	2.44	
	19 MM X 73 MM CROWN SCRAPERED GRADE D PONY ROD -	6.70	
1	0.61 M		
1	19 MM X 63 MM CROWN SCRAPERED GRADE D PONY ROD -		
	2.44M		
1	31.75 MM X 6.7 M X 19 MM PIN POLISH ROD		
	DATE RAN : 89/09/23		

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
88/10/04	GAMMA RAY/COLLAR LOG	940.00 - 1069.00	JET PERFORATORS
88/09/28	GAMMA RAY/COLLAR LOG	940.00 - 1069.00	COMPUTALOG
87/10/03	DUAL INDUCTION LATEROLOG	123.00 - 1087.00	SCHLUMBERGER
87/10/03	COMP. NEUTRON-LITHO-DENS.	123.00 - 1087.00	SCHLUMBERGER
87/10/03	SONIC	123.00 - 1087.00	SCHLUMBERGER
87/10/03	ELECTRONIC PROPAGATION TOOL	123.00 - 1087.00	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	87/10/02	1017.00 - 1035.00	18.00	7.50	SPRF	SPEARFISH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
88/09/29	1026.00 - 1029.50	SPEARFISH	HSC	101	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-65.0	548.0		SH
BFS	BASE OF FISH SCALES	-143.0	620.0		SH
MNVL	MANNVILLE	-208.0	684.0		SS & SH
JRSC	JURASSIC	-319.0	803.3		SH
AMRN	AMARANTH	-481.0	962.0		SH & EVAP
SPRF	SPEARFISH	-516.0	1000.5	X	SS, SILT, SH
MSSP	MISSISSIPPIAN	-556.0	1037.2		DOL, LS, ANHYDRITE
FTD	F.T.D.	-600.0	1087.0		

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 06

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE: PIER 90-201

HOME/SCURRY S. PIERSON
06-17-002-29 W1

6-17-2-29

HISTORY:

DIRECTIONS TO LEASE: FROM SASKATCHEWAN - MANITOBA BORDER ON
HIGHWAY #18, 1.6 KM EAST ON HIGHWAY #18, 6.4 KM SOUTH, 0.8 KM
EAST, 0.4 KM NORTH INTO LOCATION.

1987-09-28

DRILLED TO T.D. 1087 M, R.R. 87-10-04

1988-09-26

INITIAL COMPLETION, PERF'D SPEARFISH. CONDUCT
RADIAL FRAC. CONDUCT D.S. DUAL DIVERTA FRAC
WITH MAIN FRAC 12 T 20/40 SAND. SWAB TEST UP TO
65 M3/D, 60 % WATER.

1988-10-10

INSTALLED ARTIFICIAL LIFT.

1989-05-18

PUMP REPAIRED, LEAK IN TUBING FROM ROD WEAR IN
IN JOINT 90 (17 JOINTS ABOVE PSN).

1989-09-23

REPAIRED SPLIT FROM ROD WEAR IN JOINT 94 (13
JOINTS ABOVE PSN), REPLACED JOINTS 92 TO 97 &
INSTALLED GUIDED RODS OVER AREA.

1990-10-23

CONDUCT XYLENE SQUEEZE & SOAK TREATMENT, NO
INCREASE IN PRODUCTION.

DATE: JAN 27, 1993
TIME: 09:30:30
PAGE: 3

WELL NAME: HOME ET AL S. PIERSON 10-17-2-29

WELL LOCATION: LSD 10, SEC 17, TWP 002, RGE 29, W1

LICENCE NO: 4235

AFE NUMBER: HOC 110446

FIELD OFFICE: ESTEVAN

ELEVATIONS: KB - 481.01
GRD - 476.81

DEPTHS: TD - 1054.00
PBTD - 1036.00 PERF TAG 91-02-15

SURFACE CASING: 10 JOINTS, 219.0 MM, 35.7 KG/M, J-E, ST&C, 131.7 M
CEMENTED WITH:
LEAD: 13.0 TONNES "A", 4.0 M3 RETURNS,
0:0:0 + 3.00% CACL2
LANDED AT: 131.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 83 JOINTS, 139.7 MM, 20.8 KG/M, J-E, ST&C, 1055.1 M
CEMENTED WITH:
LEAD: 20.0 TONNES "A", 2.0 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "A", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D-3
LANDED AT: 1055.1 M
FLOAT COLLAR AT: 1039.8 M

WELLHEAD: CASING BOWL : DRH FS 273 MM 14 MPA X 219 MM CASING SLIP ON
CB SIDE VALVES : 50.8MM L.P. SURFACE VENT ASSEMBLY/OPPOSITE SIDE BULL PLUGGED
TUBING HEAD : T-16 SLIP ON 179.4MM 14 MPA X 139.7MM 14 MPA
TH SIDE VALVES : WKM BALL VALVE 50.8MM 14 MPA 8V THRD/OPPOSITE SIDE SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA EUE THRD X 73MM EUE SUSP THRD
MASTER VALVE : STANDARD PUMPING STYLE WELLHEAD

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73MM EUE MULESHOED COLLAR	.13	1028.94
1	73MM 9.67 KG/M J-55 EUE NEW ERW TUBING	9.60	1019.34
1	73MM X 57.91MM FRICTION API PSN	.34	1019.00
107	73MM 9.67 KG/M J-55 EUE NEW ERW TUBING	1015.42	3.58
	KB CORRECTION	3.58	
		1029.07	

TUBING STRING:

TUBING BOTTOM AT: 1029.07 MKB

TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING WEIGHT

DATE RAN : 91/02/25

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-156

DATE: JAN 27, 1993
TIME: 09:35:07
PAGE: 2

HOME ET AL S. PIERSON
10-17-002-29 W1

10-17-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #H0DB-26, 73MM X 31.8MM RWAC (DURA H BARREL)		
1	4.27M X 1.2M, MAXIMUM STROKE 2.57M	.46	
4	19MM X 0.61M PLAIN GRADE 78D PONY ROD	.61	
72	38.1MM X 6.1M X 19MM PIN SINKER BARS	24.40	
57	19MM PLAIN GRADE 30 C SUCKER RODS	549.36	
1	19MM X 73MM SCRAPERED GRADE 30 C SUCKER RODS	434.91	
1	19MM X 73MM SCRAPERED GRADE 78 D 3.05M PONY ROD	3.05	
1	38.1MM X 6.7M X 19MM PIN POLISH ROD WITH 1 -		
	38.1MM X 31.8MM X 3.05 POLISH ROD LINER AND		
	1 - 19MM X 0.61M PLAIN GRADE 78D PONY ROD ON TOP	6.70	

DATE RAN : 91/02/25

DATE LOG

DATE	LOG	INTERVAL (M)	COMPANY
91/02/08	DUAL INDUCTION LATEROLOG	131.20 - 1053.70	COMPUTALOG
91/02/08	COMP. NEUTRON-LITHO-DENS.	131.20 - 1053.70	COMPUTALOG

NO CORES CUT

CORES:

DATE

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
91/02/15	1018.50 - 1021.50	SPEARFISH C	SAN HSC	120 DE 101	OPEN PERFS	13	COMP. NEUT
91/02/15	1023.50 - 1026.50	SPEARFISH C	SAN HSC	120 DE 101	OPEN PERFS	13	COMP. NEUT

PERFORATIONS:

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-518.3			REDBEDS, SH
SPRA	SPEARFISH A SAND	-539.2		X	SLTST, SS
SPRB	SPEARFISH B SAND	-542.2		X	SLTST, SS
SPRC	SPEARFISH C SAND	-544.2		X	SLTST, SS
MSUC	MISSISSIPPIAN UNCONF	-555.7			ANHYDRITIC, DOL
MSPR	MISSISSIPPIAN POROSI	-557.0			LIMESTONE, DOL
FTD	F.T.D.	-571.0			

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-156

HOME ET AL S. PIERSON
10-17-002-29 w1

10-17-2-29

HISTORY:

DIRECTIONS TO LEASE:

FROM MANITOBA/SASKATCHEWAN BORDER ON HIGHWAY #18, 1.6 KMS
EAST ON HIGHWAY, 4.8 KMS SOUTH, 1.0 KMS EAST, 0.6 KMS
SOUTH INTO LOCATION.

DRILLING HISTORY

SPUD: 91-02-05

R.R. DATE: 91-02-09

CONTRACTOR: SIMMONS DRILLING #27

KB TO CSG FLANGE: 4.10 M

SURFACE HOLE:

SIZE: 311 MM

CONDUCTOR BARRELL: YES

ABNORMAL DRILLING CONDITIONS: NO

ABNORMAL CEMENTING CONDITIONS: NO

MAIN HOLE:

SIZE: 200MM

MUD SYSTEM TYPE: GEL CHEM

ABNORMAL DRILLING CONDITIONS: NO

ABNORMAL CEMENTING CONDITIONS: NO

PLUG DISPLACEMENT FLUID: WATER

LICENSED CEMENT TOP: SURFACE

CALCULATED CEMENT TOP: SURFACE

1991-02-14

INITIAL COMPLETION. PERFD SPEARFISH C SAND.
CONDUCT GELLED WATER SAND FRAC. PLACED 6.5 T SAND
IN FORMATION. SWAB 14.5 M3 LOAD WATER. INSTALLED
ARTIFICIAL LIFT (NEW 66 STRING GRADE C RODS).

DATE: JAN 27, 1993
TIME: 09:35:07
PAGE: 3

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:35:17
PAGE: 1

FILE NOTE: SPIER 90-158

WELL NAME: HOME SCURRY S. PIERSON 12-17-2-29
WELL LOCATION: LSD 12, SEC 17, TWP 002, RGE 29, W1
LICENCE NO: 4239
AFE NUMBER: HOC 110433
FIELD OFFICE:
ELEVATIONS:

KB - 480.60
GRD - 476.40

TD - 1055.00
PBTD - 1037.30 PERF TAG 91-02-03

SURFACE CASING: 10 JOINTS, 219.0 MM, 35.7 KG/M, J-E, ST&C, 131.4 M
CEMENTED WITH:
LEAD: 13.0 TONNES "A", 4.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 132.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, J-E, ST&C, 1055.7 M
CEMENTED WITH:
LEAD: 20.0 TONNES "A", 2.2 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
LANDED AT: 1055.0 M

WELLHEAD: CASING BOWL : HINDERLITER 273 MM 14 MPA X 219 MM CSG
CB SIDE VALVES : 50.8 MM LP SURF CSG VENT ASSY / OPPOSITE BULLPLUGGED
TUBING HEAD : T-16 WELD ON 179.4 MM 14 MPA X 139.7 MM CSG
TH SIDE VALVES : WKM 50.8 MM LP BALL VALVE / OPPOSITE SIDE SAME
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE X 73 MM EUE SUSP
MASTER VALVE : STD 73 MM EUE X 38.1 MM PUMPING STYLE

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE TAIL JOINT C/W MULE SHOED CPLG	9.70	1023.38
1	73 MM EUE PSN	.34	1023.04
107	73 MM EUE ERW 9.67 KG/M TUBING KB TO TOP CONNECTION	1019.44	3.60
TUBING BOTTOM AT: 1033.08 MKB			
TUBING HUNG FROM: TH FLANGE			
DATE RAN : 91/02/07			
IN: STRING WEIGHT			

HOME SCURRY S. PIERSON 12-17-2-29
12-17-002-29 W1

ROD STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	BHP S/N HOM157, 73 X 38.1 RWAC 4.3 X 1.2 MAX STROKE 259 CM, WITH 19 MM X 0.6 M PICK UP PONY		
	4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	5.18	
	72	19 MM GRADE C PLAIN SUCKER RODS	24.40	
	58	19 MM GRADE C NYLON BONDED 6/ROD SUCKER RODS	548.64	
	1	31.8 MM X 6.7 M X 19 MM POLISHED ROD C/W 38.1 MM X 3.01 M POLISHED ROD LINER.	434.34	
DATE RAN		: 91/02/07	6.70	
LOGS:	DATE	LOG	INTERVAL (M)	COMPANY
	91/02/03	GAMMA RAY/COLLAR LOG	950.00 - 1037.00	JET PERFORATORS
	91/01/29	COMP. NEUTRON-LITHO-DENS.	132.00 - 1055.00	COMPUTALOG
	91/01/29	DUAL INDUCTION LATEROLOG	132.00 - 1055.90	COMPUTALOG

CORES: NO CORES CUT

PERFORATIONS:	DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
	91/02/03	1020.00 - 1023.00	SPEARFISH A	SAN HSC 120 DE	102	OPEN PERFS	13	COMP. NEUT
	91/02/03	1025.50 - 1028.50	SPEARFISH C	SAN HSC 120 DE	102	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:	CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	LAMR	LOWER AMARANTH	-521.0			REDBEDS, SH
	SPRA	SPEARFISH A SAND	-542.0	X		SLTST/SS
	SPRB	SPEARFISH B SAND	-545.0	X		SLTST/SS
	SPRC	SPEARFISH C SAND	-547.0	X		SLTST/SS
	MSUC	MISSISSIPPIAN UNCONF	-558.0			ANHYDRITE DOL
	MSPR	MISSISSIPPIAN POROSI	-565.0			LIMESTONE/DOL
	FTD	F.T.D.	-573.0			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:35:17
PAGE: 3

FILE NOTE: SPIER 90-15B

HOME SCURRY S. PIERSON 12-17-2-29
12-17-002-29 W1

HISTORY:

DRILLING HISTORY:

SPUD: 91-01-27
RR DATE: 91-01-30
CONTRACTOR: SIMMONS DRILLING #27
KB TO CF: 4.2 M

SURFACE HOLE:

SIZE: 311.0 MM
CONDUCTOR BARRELL: YES
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO

MAIN HOLE:

SIZE: 200 MM
MUD SYSTEM TYPE: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
PLUG DISPLACEMENT FLUID: WTR
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

DIRECTIONS TO LEASE: FROM MANITOBA/ SASK. BORDER ON HWY 3,
EAST 1.6 KM, SOUTH ON SECTION ROAD 5.6 KM, EAST TO LOCATION.

1991-02-01

INITIAL COMPLETION. PERFD SPEARFISH A AND C SANDS
WITH FULL UNDERBALANCE. CONDUCT GELLED WATER SAND
FRAC, PLACING 4.0 T SAND IN FORMATION. SWABBED 15
M3 LOAD FLUID. INSTALLED ARTIFICIAL LIFT (66 STRING
NEW GRADE C RODS)

FILE NOTE: SPIER 90-027

WELL NAME:

HOME SCURRY S. PIERSON 6-18-2-29

WELL LOCATION:

LSD 06, SEC 18, TWP 002, RGE 29, W1

LICENCE NO:

4181

A/E NUMBER:

HOC 110106

RESPONSIBILITY:

HOME OIL LTD

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 481.97
GRD - 477.67

DEPTHS:

TD - 1097.20
PBD - 1083.30 EST

SURFACE CASING:

9 JOINTS, 219.7 MM, 35.7 KG/M, J-55, ST&C, 119.6 M
CEMENTED WITH:
LEAD: 13.0 TONNES "A", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 119.0 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

85 JOINTS, 139.7 MM, 20.8 KG/M, J-55, LT&C, 1098.5 M
CEMENTED WITH:
LEAD: 19.0 TONNES "G", M3 RETURNS,
2:1:8 + .50% FRC-3 + .10% D3
TAIL: 7.5 TONNES " ", M3 RETURNS,
0:0:0 + 1.00% CACL2 + .10% D3
LANDED AT: 1097.0 M
CEMENT TOP AT: 1.0 M
TELMASTER TAIL CEMENT

WELLHEAD:

CASING BOWL : DRH SIZE: 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OPP. SIDE: BULL PLUG
TUBING HEAD : T-16 SIZE: 179.4 MM 14 MPA X 139.7 MM 14 MPA
TH SIDE VALVES : BALL VALVE 50.8 MM 10 MPA 8V THRD/OP SIDE: SAME
TH FLANGE : 179.4MM 14MPA X 73MM 14MPA EUE THRD X 73MM EUE SUS.THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE MULESHOED COLLAR	.10	1035.79
1	73 MM 9.67 KG/M J-55 EUE ERW NEW TUBING	9.55	1026.24
1	73 MM EUE X 57.91 MM PROFILE API PSN	.34	1025.90
109	73 MM 9.67 KG/M J-55 EUE ERW NEW TUBING K.B. CORRECTION	1022.45	3.45
	TUBING BOTTOM AT: 1035.89		
	TUBING HUNG FROM: BONNET		
	DATE RAN : 90/05/24		
	IN: STRING WEIGHT TENS.		

HOME SCURRY S. PIERSON 6-18-2-29
06-18-002-29 W1

ROD STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	BHP #H0DB-13 73 MM X 38.1 RWAC 4.27 M X 1.22 M CHROME ID BARREL. MAXIMUM STROKE 2.51 M	.31	1025.59
	1	19 MM PLAIN GRADE QC PONY ROD (0.61 M)	.61	1024.98
	6	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	36.60	988.38
	72	19 MM PLAIN GRADE QC SUCKER RODS	549.36	439.02
	56	19 MM X 73 MM NYLON SCRAPERED GRADE QC SUCKER RODS	425.60	13.42
	3	19 MM X 73 MM NYLON SCRAPERED GRADE QC PONY RODS (1 - 3.05, 2 - 1.83 M)	6.71	6.71
	1	31.8 MM X 6.7 M X 19 MM PIN POLISH ROD	6.70	.01
DATE RAN	: 90/05/24			

LOGS:	DATE	LOG	INTERVAL (M)		COMPANY			
	90/05/14	GAMMA RAY/COLLAR LOG	980.00 - 1080.70		JET PERFORATORS			
	90/03/20	DUAL INDUCTION LATERALOG	118.80 - 1096.50		COMPUTALOG			
	90/03/20	COMP. NEUTRON-LITHO-DENS.	118.80 - 1096.70		COMPUTALOG			
CORES:	NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION	
	1	90/03/20	1020.00 - 1034.00	14.00	14.00	MCSP	MAIN C SPEARFISH	
PERFORATIONS:	DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
	90/05/14	1025.00 - 1031.00	MAIN C SPEARFIS	HCS	102	OPEN PERFS	17	COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:	CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	BOYN	BOYNE	19.0			SH
	FVEL	FAVEL	-66.0			SS, SH
	SWNR	SWAN RIVER	-200.0			SS, SH
	JRSC	JURASSIC	-383.0			SH, SS
	AMRE	AMARANTH EVAPORITES	-486.0			ANHYDRITE
	AMRR	AMARANTH RED BEDS	-515.0			RED SHALE
	ASAN	"A" SAND	-545.0			SLTST/SS
	BSAN	"B" SAND	-549.0			SLTST/SS
	MCSP	MAIN C SPEARFISH	-551.0		X	VF SS/SLTST/SH
	MSSP	MISSISSIPPIAN	-563.0			ANHYDRITIC DOL
	PORO	POROSITY TOP	-570.0			LIMESTONE/DOL
	TLSN	TILSTON	-605.0			LS/DOL/SH
	FTD	F.T.D.	-615.0			

RESERVOIR: PAY ZONE: SPFR
PRESSURE: 10000 KPA 00/00/00 EST
TEMP.: 45 C 00/00/00 EST

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-027

HOME SCURRY S. PIERSON 6-18-2-29
06-18-002-29 W1

HISTORY:

DIRECTIONS LEASE: FROM PIERSON TOWNSITE HEAD SOUTH 5 KM, GO
WEST 4.8 KM & 0.8 KM SOUTH, 0.6 KMS WEST INTO LOCATION.
DRILLING HISTORY:

SPUD DATE: 90-03-16 RIG RELEASE DATE: 90-03-21
CONTRACTOR: SIMMONS K.B. TO C.F. MEAS: 4.0

SURFACE HOLE:
SIZE: 311 CONDUCTOR BARREL: Y
ABNORMAL CEMENTING CONDITIONS: NIL

MAIN HOLE:
SIZE: 200
TYPE OF MUD SYSTEM: GEL CHEM
ABNORMAL DRILLING CONDITION: NIL
ABNORMAL CEMENTING CONDITION: NIL
PLUG DISPLACEMENT FLUID: WATER
LICENCED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

1990-05-14 INITIAL SPEARFISH COMPLETION. FRACTURED
WELL W/10.2 T 20/40 SAND IN GELLED PRODUCED
WATER. MAX CONCENTRATION 1200 KG/M3.
CIRCULATE CLEAN & RUN PUMPING EQUIPMENT.

DATE: JAN 27, 1993
TIME: 09:36:01
PAGE: 3

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:33:03
PAGE: 1

FILE NOTE: SPIER 90-080

WELL NAME:

HOME SCURRY S. PIERSON 8-17-2-29

WELL LOCATION:

LSD 08, SEC 17, TWP 002, RGE 29, W1

LICENCE NO:

4202

AFF NUMBER:

HOC 110182

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 479.55
GRD - 475.15

DEPTHS:

TD - 1053.00
PBTD - 1038.50

SURFACE CASING:

10 JOINTS, 219.0 MM, 35.7 KG/M, ST&C, J-55 BRD, 124.6 M
CEMENTED WITH:
LEAD: 12.5 TONNES " ", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 124.0 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

81 JOINTS, 139.7 MM, 20.8 KG/M, ST&C, J-55 BRD, 1053.7 M
CEMENTED WITH:
LEAD: 21.0 TONNES "A", M3 RETURNS,
2:1:8 + .25% FRC3 + 3.00% KCL
TAIL: 8.0 TONNES " ", M3 RETURNS,
0:0:0 + 1.00% CA2 + .10% D3 + 3.00% KCL
LANDED AT: 1053.0 M
FLOAT COLLAR AT: 1038.1 M

WELLHEAD:

CASING BOWL : DRH SIZE: 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OPPOSITE SIDE: BULL PLUG
TUBING HEAD : T-16 179.4 MM 14 MPA X 139.7 MM 14 MPA WELD-ON
TH SIDE VALVES : BALL VALVE, SIZE 50.8MM 14 MPA 8V THRD/OP. SIDE: SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA EUE THRD X 73MM EUE SUS. THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD
FLOW TEE : "
WING VALVE : "

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM MULESHOED COLLAR	.10	1032.91
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.38	1023.53
1	73 MM EUE X 57.91 MM API PSN	.34	1023.19
108	73 MM 9.67 KG/M J-55 EUE TUBING K.B. CORRECTION	1019.82	3.37
TUBING BOTTOM AT: 1033.01			
TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING TENSION			
DATE RAN : 90/08/02			

DATE: JAN 27, 1993
TIME: 09:33:03
PAGE: 2

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 8-17-2-29
08-17-002-29 W1

PGM: NW20100

PERIOD: 02

ROD STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	1	BHP #H0DB-14 73 MM X 38.1 MM RWAC-TS 4.27 M X 1.22 M,	.61	1022.58
1	1	19 MM X 0.61 M PLAIN GRADED PONY ROD	.61	1022.27
4	4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	24.40	997.57
72	72	19 MM PLAIN GRADE C SUCKER RODS	549.36	448.21
58	58	19 MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS	441.96	6.25
1	1	19 MM X 73 MM NYLON SCRAPERED GRADE D 1.83 M PONY ROD	1.83	4.42
1	1	19 MM X 73 MM NYLON SCRAPERED GRADE D 1.22 M PONY ROD	1.22	3.20
1	1	38.1 MM X 6.7 M X 19 MM PIN GRADE QC POLISH ROD WITH 1 - 19 MM X 0.61 M GRADE 97D PONY ROD ON TOP	6.70	-3.50

DATE RAN : 90/08/02

LOGS:	DATE	LOG	INTERVAL (M)	COMPANY			
	90/06/27	GR/NEU/CCL	120.00 - 1040.00	COMPUTALOG			
CORES:	NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
	1	90/06/27	1016.00 - 1025.00	9.00	7.40	SPRC	SPEARFISH C SAND
PERFORATIONS:	DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M REFERENCE
	90/06/27	1024.50 - 1030.50	MAIN C	SPEARFIS	HSC 60 DEG 101	OPEN PERFS	16 COMP. NEUT

DRILL STEM TESTS:

FORMATIONS:	CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	MCSP	MAIN C SPEARFISH				REDBEDS, SH
	LAMR	LOWER AMARANTH	519.0			SLTST/SS
	SPRA	SPEARFISH A SAND	-539.0	X		SLTST/SS
	SPRB	SPEARFISH B SAND	-543.0			SLTST/SS
	SPRC	SPEARFISH C SAND	-545.0	X		SLTST/SS
	MSUC	MISSISSIPPIAN UNCONF	-556.5			ANHYDRITIC DOL
	MSPR	MISSISSIPPIAN POROSI	-558.5			LIMESTONE/DOL
	FTD	F.T.D.	-571.5			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:33:03
PAGE: 3

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 8-17-2-29
08-17-002-29 W1

HISTORY:

ROAD DIRECTIONS: FROM PIERSON, MANITOBA: 6.6 KMS SOUTH,
3.2 KMS WEST, 1.0 KM NORTH, 0.4 KMS WEST
ONTO LOCATION.

DRILLING HISTORY: SPUD - 90-06-21
R.R. DATE - 90-06-26
CONTRACTOR - SIMMONS DRILLING
KB TO CSG FLANGE - 4.0 M

SURFACE HOLE: SIZE 311
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE: SIZE - 200
MUD SYSTEM TYPE - KCL WATER
ABNORMAL DRILLING CONDITIONS - HIT BRIDGE AT 810
& 930 M - HOLE
TIGHT, COULD NOT LOG.

ABNORMAL CEMENTING CONDITIONS - NO
PLUG DISPLACEMENT FLUID - WATER
LICENCED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TOP SURFACE
WELL CEMENTED - 90-06-26

1990-06-27 INITIAL SPEARFISH COMPLETION. FRAC'D WELL
W/2.8 T 20/40 SAND IN GELLED PRODUCED WATER.
SWAB @ 30 M3/DAY, 5% BSW. RUN PUMP & RODS.

FILE NOTE: SPIERS 90-080

WELL NAME:

HOME SCURRY S. PIERSON 8-18-2-29

WELL LOCATION:

LSD 08, SEC 18, TWP 002, RGE 29, W1

LICENCE NO:

4192

AFE NUMBER:

HOC 110185

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 480.90
GRD - 476.70

DEPTHS:

TD - 1060.00
PBD - 1041.60

SURFACE CASING:

10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C BRD, 124.4 M
CEMENTED WITH:
LEAD: 12.0 TONNES "A", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 123.4 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

82 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C BRD, 1060.7 M
CEMENTED WITH:
LEAD: 19.0 TONNES "A", 3.5 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "A", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
LANDED AT: 1060.0 M
FLOAT COLLAR AT: 1041.6 M
TAIL CEMENT IS TELMASTER

WELLHEAD:

CASING BOWL : DRH, 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OPPOSITE SIDE: BULL PLUG
TUBING HEAD : T-16 WELD-ON, 179.4 MM 14 MPA X 139.7 MM 14 MPA
TH SIDE VALVES : BALL VALVE, 50.8 MM 14 MPA BV THRD/OPPOSITE SIDE: SAME
TH FLANGE : 179.4 MM 14 MPA X 73 MM 14 MPA EUE THRD X 73MM EUE SUS THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD
FLOW TEE : "
WING VALVE : "

HOME SCURRY S. PIERSON 8-18-2-29
08-18-002-29 W1

TUBING STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	73 MM EUE MULESHOED COLLAR	.10	1034.16
	1	73 MM 9.67 KG/M J-55 EUE TUBING	9.42	1024.74
	1	73 MM EUE API PSN	.34	1024.40
	107	73 MM 9.67 KG/M J-55 EUE TUBING	1009.79	14.61
	1	73 MM 9.67 KG/M J-55 EUE PUP JOINT - 1.83 M	1.83	12.78
	1	73 MM 9.67 KG/M J-55 EUE TUBING	9.50	3.28
		K.B. CORRECTION		

TUBING BOTTOM AT: 1034.26
TUBING HUNG FROM: TBG BONNET THREADS IN: STRING TENSION
DATE RAN : 90/08/29

ROD STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	BHP #H0DB-20, 73 MM X 38.1 MM KWAC-TS 4.27 M X 1.22 M, MAXIMUM STROKE 2.54 M	.61	
	1	19 MM X 0.61 M PLAIN GRADE D PONY ROD	.61	
	4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	24.40	
	32	19 MM PLAIN GRADE D USED SUCKER RODS	244.16	
	40	19 MM PLAIN GRADE C NEW SUCKER RODS	305.20	
	58	19 MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS	441.96	
	1	19 MM X 73 MM NYLON SCRAPERED GRADE D PONY ROD	3.05	
	1	19 MM X 0.61 M PLAIN GRADE D PONY ROD	.61	
	1	31.8 MM X 6.7 M X 19 MM PIN GRADE QC POLISH ROD	6.70	
		WITH 1 - 19 MM X 0.61 M PLAIN GRAD D PONY ROD ON TOP		

DATE RAN : 90/08/29

LOGS:	DATE	LOG	INTERVAL (M)		COMPANY		
	90/08/13	GAMMA RAY/COLLAR LOG	945.70 -	1037.40	COMPUTALOG		
	90/07/25	DUAL INDUCTION LATEROLOG	123.00 -	1058.70	COMPUTALOG		
	90/07/25	COMP. NEUTRON-LITHO-DENS.	699.20 -	1059.00	COMPUTALOG		
CORES:	NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
	1	90/07/26	1024.50 - 1037.50	13.00	13.00	SPRC	SPEARFISH C SAND
PERFORATIONS:	DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M REFERENCE
	90/08/13	1024.50 - 1030.50	SPEARFISH C	SAN HSC 60 DEG	101	OPEN PERFS	16 COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:	CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	LAMR	LOWER AMARANTH	-524.2			REDBEDS, SH
	SPRA	SPEARFISH A SAND	-545.9		X	SLTST, SS
	SPRB	SPEARFISH B SAND	-548.9		X	SLTST, SS
	SPRC	SPEARFISH C SAND	-550.9		X	SLTST, SS
	MSUC	MISSISSIPPIAN UNCONF	-563.0			ANHYDRITIC, DOL
	MSPR	MISSISSIPPIAN POROSI	-575.0			LIMESTONE, DOL
	FTD	F.T.D.	-578.0			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

DATE: JAN 27, 1993
TIME: 09:47:21
PAGE: 3

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

FILE NOTE: SPIERS 90-080

HOME SCURRY S. PIERSON 8-18-2-29
08-18-002-29 W1

HISTORY: ROAD DIRECTIONS: FROM PIERSON MANITOBA: 4.8 KMS SOUTH,
4.8 KMS WEST, 0.8 KMS SOUTH, 0.4 KMS WEST
INTO LOCATION.

DRILLING HISTORY: SPUD - 90-07-22
R.R. DATE - 90-07-26
CONTRACTOR - SIMMONS DRILLING
KB TO CSG FLANGE - 3.90 M

SURFACE HOLE: SIZE - 311
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - YES
HIT ROCKS AT 75 - 82 M
ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE: SIZE - 200
MUD SYSTEM TYPE - GEL CHEM
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO
PLUG DISPLACEMENT FLUID - WATER
LICENSED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED: 90-07-27

1990-08-12 INITIAL COMPLETION. PERF'D SPEARFISH "C"
SAND. CONDUCT GELLED WATER SAND FRAC, PLACING
6.5 T SAND IN FORMATION. SWAB RECOVER 16.5
M3 LOAD FLUID. INSTALLED ARTIFICIAL LIFT.

WELL NAME: HOME SCURRY S. PIERSON 14-18-2-29

WELL LOCATION: LSD 14, SEC 18, TWP 002, RGE 29, W1

LICENCE NO: 4304

APE NUMBER: HOC 112036

FIELD OFFICE: ESTEVAN

ELEVATIONS: KB - 482.70
GRD - 479.12

DEPTHS: TD - 1060.00
PBTD - 1047.00

SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J.379, ST&C BRD, 124.1 M
CEMENTED WITH:
LEAD: 12.0 TONNES "A", 1.5 M3 RETURNS,
0:1:0 + 3.00% CALC2
LANDED AT: 124.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 88 JOINTS, 114.0 MM, 14.1 KG/M, J-379, ST&C BRD, M
CEMENTED WITH:
LEAD: 21.0 TONNES "G", 2.3 M3 RETURNS,
2:1:8 + .25% FRC-3 + .10% DEF-3
TAIL: 8.0 TONNES "M", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .14% DEF-3
LANDED AT: 1060.0 M
FLOAT COLLAR AT: 1047.4 M

WELLHEAD: CASING BOWL : DRH 273MM X 14MPA, 219MM CSG
CB SIDE VALVES : 50.8MM VENT ASSY, OPPOSITE BULLPLUGGED
TUBING HEAD : T-16 179.4MM 14MPA X 114.3MM CSG WELD ON
TH SIDE VALVES : 50.8MM BALL VALVE EACH SIDE
TH FLANGE : 179.4MM 14MPA X 60.3MM EUE X 60.3 MM SUSP THRD
MASTER VALVE : STANDARD 60.3MM X 31.8MM PUMPING STYLE

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	60.3 MM EUE MULESHOED COLLAR	.12	1044.39
1	60.3 MM 6.99 KG/M J-55 EUE TBG NEW	9.56	1034.83
1	60.3 MM EUE API PSN	.34	1024.49
108	60.3 MM 6.99 KG/M J-55 EUE TBG NEW	1024.15	10.34
3	60.3 MM EUE J55 PUPS, 2.43, 3.09, 1.22 KB CORRECTION	6.74	3.60

TUBING STRING: TUBING BOTTOM AT: 1044.51 MKB
TUBING HUNG FROM: TBG BONNET THREADS IN: STRING WEIGHT
DATE RAN : 92/05/06

HOME SCURRY S. PIERSON
14-18-002-29 W1

14-18-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP MSP 2, 60.3 X 38.1 RWAC 3.66 M X 1.22 M TYPE 5 HOLLOW PULLTUBE		
1	19 MM X 0.61 M PLAIN GRADE D PONY ROD	.61	
4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS, GOOD USED	24.60	
42	19 MM PLAIN GRADE D NEW SUCKER RODS	320.04	
30	19 MM PLAIN GRADE 97 SUCKER RODS, GOOD USED	228.62	
59	19 MM X 60.3 MM NYLON SCRAPERED GRADE D SUCKER RODS, NEW	449.58	
2	19 MM X 60.3 MM NYLON SCRAPERED GRADE D PONY RODS, NEW; 3.05, 1.22,	4.20	
1	31.8 MM X 6.7 M X 19 MM PIN NEW POLISH ROD COMPLETE WITH 1-38.1 MM X 3.05 M POLISH ROD LINER	6.70	

DATE RAN : 92/05/22

DATE LOG

DATE	LOG	INTERVAL (M)	COMPANY
92/04/14	GAMMA RAY/COLLAR LOG	950.00 - 1041.00	JET PERFORATORS
92/03/09	COMP. NEUTRON-LITHO-DENS.	700.00 - 1049.00	SCHLUMBERGER
92/03/09	PHASOR INDUCTION - SFL	123.20 - 1055.80	SCHLUMBERGER

NO CORES CUT

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
92/04/14	1023.00 - 1025.00	"A" SAND	HSC 120 DE	86	OPEN PERFS	13	COMP. NEUT
92/04/14	1028.00 - 1030.50	"B" SAND	HSC 120 DE	86	OPEN PERFS	13	COMP. NEUT
92/04/14	1031.00 - 1033.00	"C" SAND	HSC 120 DE	86	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-518.5			REDBEDS, SH
ASAN	"A" SAND	-538.5		X	SLTST/SS
BSAN	"B" SAND	-541.8		X	SLTST/SS
CSAN	"C" SAND	-544.0		X	
MSUC	MISSISSIPPIAN UNCONF	-550.0			ANHYDRITIC DOL
MSPR	MISSISSIPPIAN POROSI	-553.0			LIMESTONE/DOL
FTD	F.T.D.	-565.0			

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE:

HOME SCURRY S. PIERSON
14-18-002-29 w1

14-18-2-29

DIRECTIONS TO LEASE: FROM PIERSON MANITOBA, 4.8 KM SOUTH, 6 KM
WEST, SOUTH TO LOCATION.

DRILLING HISTORY:

SPUD DATE: 92-03-05 RR DATE: 92-03-10

CONTRACTOR: SIMMONS 27

KB TO CSG FLANGE: 4.1 M

SURFACE HOLE: 311MM

NO ABNORMAL DRILLING OR CEMENTING CONDITIONS.

MAIN HOLE: 200MM MUD SYSTEM: GEL CHEM

NO ABNORMAL DRILLING OR CEMENTING CONDITIONS.

LICENSED CEMENT TOP: SURFACE

CALCULATED CEMENT TOP: SURFACE

1992-04-14

INITIAL COMPLETION. PERFD SPEARFISH. MOSR AND RAN
TUBING. CONDUCT GELLED DIESEL SAND FRAC, PLACED
10 T IN FORMATION. WELL FLOWED INTERMITTENTLY AFTER
FRAC. INSTALLED ARTIFICIAL LIFT, GRADE 97 PLAIN
FROM TABLELAND 8-22, NEW GUIDED, NEW 1.25 PUMP.
PUMP EXPERIENCED PROBLEMS DUE TO GAS LOCK FROM
WELL FLUMPING. REPLACED PUMP ON 92-05-06 TO
1.50" NATIONAL TWO STAGER WITH TV GAS BREAKER.
WELL WAS CIRCULATED CLEAN, TUBING LANDED 6.7 M
LOWER. PUMP GAS LOCKING PROBLEMS STILL PERSISTED.
ON 92-05-19 PULLED PUMP. SWABBED TO CHECK SAND
ENTRY, MINIMAL ENTRY. INSTALLED 1.50" HOLLOW
PULLTUBE PUMP.

DATE: JAN 27, 1993
TIME: 09:47:44
PAGE: 3

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 16-18-2-29
WELL LOCATION: LSD 16, SEC 18, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
FIELD OFFICE:
ELEVATIONS: KB - 483.26
GRD - 479.06
DEPTHS: TD - 1055.00
PBTD - 1038.90
SURFACE CASING: 10 JOINTS, 219.0 MM, 35.7 KG/M, JE , ST&C 8RD, 129.1 M
CEMENTED WITH: PERF TAG 91-01-31
LEAD: 14.0 TONNES "A ", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 128.0 M

INTERMEDIATE CASING

NO INTERMEDIATE CASING
82 JOINTS, 139.7 MM, 20.8 KG/M, J-E , ST&C 8RD, 1057.5 M
CEMENTED WITH:
LEAD: 20.0 TONNES "A ", 4.0 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES " ", M3 RETURNS,
0:0:0 + 1.00% CACL2 + .10% D3
LANDED AT: 1055.0 M

WELLHEAD:
CASING BOWL : HINDELITER 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8MM LP SURF VENT ASS'Y/OPPOSITE SIDE BULLPLUGGED
TUBING HEAD : FMC WELD-ON 139.7MM CASING X 179.4MM 14 MPA
TH SIDE VALVES : WKM BALL VALVE 50.8MM LP 14 MPA/OPPOSITE SIDE SAME
TH FLANGE : 179.4MM 14 MPA X 73MM EUE PIN X 73MM EUE SUSP THRD
MASTER VALVE : 50.8 MM LP BALL VALVE AND BULLPLUG

TUBING STRING

NO TUBING STRING IN HOLE
NO ROD STRING IN HOLE

LOGS:
DATE LOG
91/02/01 GAMMA RAY/COLLAR LOG
91/01/24 COMP. NEUTRON-LITHO-DENS.
91/01/24 DUAL INDUCTION LOG
INTERVAL (M) COMPANY
950.00 - 1038.00 JET PERFORATORS
128.00 - 1055.00 COMPUTALOG
128.00 - 1055.00 COMPUTALOG

CORES:

NO CORES CUT
DATE INTERVAL (M) FORMATION GUN TYPE DIA PERF STATUS SHOTS/M REFERENCE
91/02/01 1025.00 - 1028.00 SPEARFISH C SAN HSC 120 DE 102 OPEN PERFS 13 COMP. NEUT
91/02/01 1028.00 - 1031.00 SPEARFISH C SAN HSC 120 DE 102 OPEN PERFS 13 COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:47:53
PAGE: 2

FILE NOTE:

HOME SCURRY S. PIERSON 16-18-2-29
16-18-002-29 W1

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-520.0			SHALE
SPRA	SPEARFISH A SAND	-542.0			SLTST, SS, SH
SPRB	SPEARFISH B SAND	-545.0			SLTST, SS, SH
SPRC	SPEARFISH C SAND	-547.0		X	SLTST, SS, SH
MSUC	MISSISSIPPIAN UNCONF	-557.0			ANHY DOL
MSPR	MISSISSIPPIAN POROSI	-567.0			DOL/LS
FTD	F.T.D.	-572.0			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:47:53
PAGE: 3

HOME SCURRY S. PIERSON 16-18-2-29
16-18-002-29 W1

FILE NOTE:

HISTORY:

DRILLING HISTORY:

SPUD: 91-01-21
RR DATE: 91-01-25
CONTRACTOR: SIMMONS DRILLING #27
KB TO CF: 4.2
SURFACE HOLE:
SIZE: 311MM
CONDUCTOR BARRELL: YES
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
MAIN HOLE:
SIZE: 200MM
MUD SYSTEM TYPE: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
PLUG DISPLACEMENT FLUID: WTR
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

DIRECTIONS TO LEASE: FROM MAN/ SASK BORDER ON HWY 3, EAST 1.6 KM
ON HWY 3, SOUTH ON SECTION ROAD 4.8 KM, WEST 0.3 KM AND SOUTH
INTO LOCATION.

1991-01-31

INITIAL COMPLETION. PERED SPEARFISH C SAND WITH
FULL UNDERBALANCE. CONDUCT GELLED WATER SAND FRAC.
PLACING 4.2 T SAND IN FORMATION. SWABBED 13 M3 LOAD
FLUID. INSTALLED ARTIFICIAL LIFT (NEW 66 STRING).

1991-07-15

RECOVER ROD STRING AND TUBING AND TRANSFER TO
10-19-2-29. WELL SUSPENDED.

PGM: NW20100

PERIOD: 06

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:48:08
PAGE: 1

FILE NOTE: PIER 90-015

WELL NAME: HOME/SCURRY S. PIERSON 6-19-2-29
WELL LOCATION: LSD 06, SEC 19, TWP 002, RGE 29, W1
AFE NUMBER: SRO 110089
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 483.40
GRD - 479.25
DEPTHS: TD - 1085.00
PBTD - 1066.50
SURFACE CASING: 10 JOINTS, 219.0 MM, 35.7 KG/M, K55, ST&C, 126.2 M
CEMENTED WITH:
LEAD: 12.0 TONNES "G", 1.5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 126.0 M

INTERMEDIATE CASING

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, J55, ST&C, 1084.0 M
CEMENTED WITH:
LEAD: 25.0 TONNES "G", M3 RETURNS,
1:1:4
TAIL: 9.0 TONNES "G", 2.5 M3 RETURNS,
0:1:0 + .75% HA322 + .25% CFR2
LANDED AT: 1084.6 M

WELLHEAD:

CASING BOWL : 228 MM X 203 MM 14 MPA, CROWN 'H'
CB SIDE VALVES : TWO 50.8 MM SE, WITH TWO 50.8 MM BALL VALVES
TUBING HEAD : 228 MM X 179 MM 14 MPA, CROWN 'H'
TH SIDE VALVES : TWO 50.8 MM SE, WITH TWO 50.8 MM GATE VALVES
MASTER VALVE : NONE
FLOW TEE : NONE

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE SAWTOOTH COLLAR	.10	1033.70
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.54	1024.16
1	73 MM API PSN	.34	1023.82
108	73 MM 9.67 KG/M J-55 EUE TUBING	1017.64	6.18
1	73 MM 9.67 KG/M J-55 EUE PUP JOINT	2.45	3.73
1	KB CORRECTION	3.73	
TUBING BOTTOM AT: 1033.8 M K.B.			
TUBING HUNG FROM: TUBING BONNET			
DATE RAN : 90/03/13			
IN: STRING TENSION			

HOME/SCURRY S. PIERSON
06-19-002-29 W1

6-19-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP HOM 142 73 MM X 38.1 MM RWAC 4.26 M X 1.2M	1.20	1022.62
4	MAXIMUM STROKE 2.591 M.		
20	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS	24.40	998.22
82	19 MM X 73 MM CROWN SCRAPERED GRADE D SUCKER BARS	152.39	845.83
27	19 MM PLAIN GRADE D SUCKER RODS	624.81	221.02
2	19 MM X 73 MM RYTON SCRAPERED GRADE D SUCKER RODS	205.73	15.29
	19 MM X 73 MM X 1.83 M RYTON SCRAPERED GRADE D	3.66	11.63
	PONY RODS		
1	19 MM X 73 M X 1.22 M RYTON SCRAPERED GRADE D	1.22	10.41
	PONY RODS		
1	31.8 MM X 6.7 M X 19 MM POLISH ROD WITH 38.1 M X	6.70	3.71
	3.05 M ROD LINER		
DATE RAN : 90/03/13			

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
87/05/31	GAMMA RAY/COLLAR LOG	917.00 - 1068.00	JET PERFORATORS
87/01/12	CEMENT BOND	900.00 - 1068.00	SCHLUMBERGER
86/12/11	DUAL INDUCTION LATEROLOG	900.00 - 1068.00	COMPUTALOG
86/12/11	COMP. NEUTRON-LITHO-DENS.	900.00 - 1068.00	COMPUTALOG

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	86/12/11	1022.00 - 1040.00	18.00		SPRF	SPEARFISH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M REFERENCE
87/05/31	1021.00 - 1031.00	SPEARFISH	HSC	CSG	101	OPEN PERFS 13

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-62.0	545.0		SH
BFS	BASE OF FISH SCALES	-132.0	612.5		SH
MNVL	MANNVILLE	-202.0	675.5		SS & SH
JRSC	JURASSIC	-314.0			SH
AMRN	AMARANTH	-479.0	962.5		SH & EVAPORITES
SPRF	SPEARFISH	-521.0	998.0	X	SS, SILT & SH
MSSP	MISSISSIPPIAN	-559.0	1039.5		DOL, ANHYDRITE, LS
FTD	F.T.D.	-600.0	1085.0		

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 06

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:48:08
PAGE: 3

FILE NOTE: PIER 90-015

HOME/SCURRY S. PIERSON
06-19-002-29 W1

6-19-2-29

HISTORY:

1986-12-07	DRILLED TO TD. R.R. 86-12-12
1987-05-30	INITIAL COMPLETION. PERFORATED SPEARFISH. ACIDIZED WITH 1000 L USING SELECTIVE TOOL PRESSURE BUILD-UP.
1987-01-12	RUN BOND LOG.
1987-06-23	RAN ROD STRING. PLACED WELL ON PRODUCTION.
1988-09-27	REPAIR ROD PART.
1990-03-14	FRAC'D SPEARFISH WITH 4.4 T 20/40 SAND IN GELLED BRINE.

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 10-19-2-29
WELL LOCATION: LSD 10. SEC 19, TWP 002, RGE 29, W1
LICENCE NO: 4284
AFE NUMBER: HOC -R&M
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 483.96
GRD - 479.71
DEPTHS: TD - 1055.00
PBTD - 1032.00 PERF TAG 91-07-23
SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C 8RD, 122.4 M
CEMENTED WITH:
LEAD: 15.0 TONNES "A", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 122.0 M

INTERMEDIATE CASING:

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C 8RD, 1055.9 M
CEMENTED WITH:
LEAD: 23.0 TONNES "A", 2.0 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 6.5 TONNES "A", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D-3

WELLHEAD:

TUBING HEAD : MODEL T-16, SIZE 179.4MM 14 MPA X 139.7MM 14 MPA
TH SIDE VALVES : MODEL: WKM BALL VALVES, SIZE 50.8MM 14 MPAGE LP SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA FE EUE THRD X 73MM

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73MM EUE MULESHOED COLLAR	.13	1032.21
1	73MM 9.67 KG/M J-55 EUE TUBING	9.57	1022.64
1	73MM X 57.91MM API PSN	.34	1022.30
107	73MM 9.67 KG/M J-55 EUE TUBING KB CORRECTION	1018.98	3.32
	TUBING BOTTOM AT: 1032.34 MKB		
	TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING TENSION		
	DATE RAN : 91/09/19		

PGM: NW20100
PERIOD: 04

DAILY WELL REPORTING SYSTEM
TBG REPAIR PROGRAM

DATE: JAN 27, 1993
TIME: 09:48:32
PAGE: 2

FILE NOTE:

HOME SCURRY S. PIERSON
10-19-002-29 W1

10-19-2-29

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM-90, 73MM X 38.1MM RWAC 4.88M X 1.52M HARDENED/CHROME BARREL, SPRAY METAL PLUNGER, MASTERLOY BALLS & SEATS, MAXIMUM STROKE 2.90M		
1	19MM X 0.5M PLAIN GRADE 'D' PONY ROD	.41	
4	38.1MM X 7.63M X 19MM PIN SINKER BARS	.50	
1	19MM X 8900 DAN SHEAR COUPLING	24.60	
72	19MM PLAIN GRADE 'C' SUCKER RODS	.20	
57	19MM X 73MM NYLON SCRAPERED GRADE 'C' SUCKER RODS	549.36	
4	19MM X 73MM SCRAPERED PONY RODS 2X1.8, 1X1.2, 1X0.6	434.91	
1	31.8MM X 6.7M X 19MM PIN POLISH ROD C/W 38.1MM X 3.05M LINER & 1 - 19MM X 0.6M PLAIN GRADE 'D' PONY ROD ON TOP	5.49	
	DATE RAN : 91/09/19	6.70	

DATE	LOG	INTERVAL (M)	COMPANY
91/07/22	GAMMA RAY/COLLAR LOG	947.00 - 1030.60	PETRO-PERF
91/07/14	PHASOR INDUCTION - SFL	122.00 - 1053.60	SCHLUMBERGER
91/07/14	COMP. NEUTRON-LITHO-DENS.	700.00 - 1055.00	SCHLUMBERGER

CORES: NO CORES CUT

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
91/07/22	1021.50 - 1023.50	SPEARFISH	HSC/90	101	OPEN PERFS	13	COMP. NEUT
91/07/22	1026.00 - 1030.00	SPEARFISH	HSC/90	101	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SPRF	SPEARFISH				
LAMR	LOWER AMARANTH				
ASAN	"A" SAND	-511.0	1007.0		RED SH/SLTST
BSAN	"B" SAND	-537.0	1021.0		SLTST, SS/SH
CSAN	"C" SAND	-540.0	1023.0	X	SLTST, SS/SH
MSUC	MISSISSIPPIAN UNCONF	-542.0	1026.0		SLTST, SS/SH
MSPR	MISSISSIPPIAN POROSI	-554.0	1037.5		ANHYDRITIC DOL
FTD	F.T.D.	-557.0			DOL/LS
		-574.0	1055.0		

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

TBG REPAIR PROGRAM

DATE: JAN 27, 1993
TIME: 09:48:32
PAGE: 3

ARTIFICIAL LIFT EQUIPMENT:

PUMP JACK:

MAKE: LEGRAND

MODEL: C160

SIZE: 160 X 1

AVAILABLE STROKE LENGTHS (IN): 51.0 /

62.0 / 74.0 / 0.0

DIRECTION OF ROTATION: CLOCKWISE

(VIEWED WITH WELLHEAD TO THE RIGHT)

PRIME MOVER: MODEL

(GAS)

H.P.: 0.0 / 0.0 / 0.0

JACK SHAFT: N (Y/N) SHEAVE SIZE (IN): 6.0

PRESENT OPERATING CONDITIONS:

S.P.M: 6.5 STROKE LENGTH (IN): 74.0

DATE OF LAST ENTRY: 1991 / 09 / 20

COMMENTS:

FILE NOTE:

FILE NOTE: PIER 89-194

WELL NAME: HOME SRO S. PIERSON 11-19-2-29

WELL LOCATION: LSD 11, SEC 19, TWP 002, RGE 29, W1

AFE NUMBER: HOC 119196

RESPONSIBILITY: HOME OIL LTD
FORMATION PRESSURE

FIELD OFFICE: ESTEVAN

ELEVATIONS: KB - 484.76
GRD - 479.00

DEPTHS: TD - 1035.00
PBTD - 0.00

SURFACE CASING: 11 JOINTS, 219.1 MM, 35.7 KG/M, K-55, ST&C 8RD, 134.8 M
TAIL: 0:1:0 + 3.00% CACL2
LANDED AT: 134.0 M
FLOAT COLLAR AT: 120.3 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 78 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C 8RD, 1035.9 M
CEMENTED WITH:
LEAD: 16.5 TONNES " ", 1.8 M3 RETURNS,
2:1:8 + 50% FRC-3 + .10% D-3
TAIL: 6.0 TONNES " ", M3 RETURNS,
0:0:0 + 1.00% CACL2 + .10% D-3
LANDED AT: 1035.0 M
FLOAT COLLAR AT: 1007.1 M
CENTRALIZED IN ZONE, TAIL IS THIXOTROPIC TELMASTER.

WELLHEAD: CASING BOWL : D.R.H.-FS. 228MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM LP. BULL PLUG
CASING SPOOL : N/A
TUBING HEAD : T16 SLIP ON 139.7 MM 14 MPA X 179.4 MM 14 MPA
TH SIDE VALVES : WKM 50.8 MM 14 MPA LP SAME
TH FLANGE : 179.4 MM 14 MPA X 73 MM 14 MPA EUE X 73 MM EUE
MASTER VALVE : STANDARD 73 MM EUE X 31.8 MM PUMPING STYLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

FILE NOTE: PIER 89-194

HOME SRO S. PIERSON
11-19-002-29 w1

11-19-2-29

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM J-55 MULESHOE JOINT	8.11	1027.76
1	73 MM API PSN (57.9 MM)	.34	1027.42
107	73 MM 9.67 KG/M J-55 EUE NEW IPSCO TUBING KB TO TUBING HEAD	1022.30	5.12

NOTE: TUBING LANDED 0.92M OFF PBTD.
BY WIRELINE PBTD IS 1034.5 MKB.
THEREFORE TUBING ACTUALLY LANDED AT
1033.58 MKB WITH PSN AT 1025.13 MKB.

TUBING BOTTOM AT: 1033.58

TUBING HUNG FROM: SOLID DOGNOT IN: STRING TENSION

DATE RAN : 89/10/25

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #H0DB-4, 73MM X 38.1MM RWAC 4.87 M X 1.22M		
1	MAXIMUMS TROKE 3.17 M (125 INCHES)(RECONDITIONED)	.44	
5	19MM GRADE 'D' PLAIN PONY ROD (NEW)	.61	
60	31.75MM X 6.7 M X 19MM PIN SINKER BARS (USED)	34.05	
	19MM GRADED PLAIN SUCKER RODS (USED) (OLDEST 20 ON BOTTOM)	457.18	
69	19MM X 73MM SCRAPERED GRADE 'D' SUCKER RODS	525.75	
1	19MM X 73MM SCRAPERED GRADE 'D' PONY ROD	1.83	
1	19MM X 73MM SCRAPERED GRADE 'D' PONY ROD	1.83	
1	31.75MM X 6.7 M X 22.2MM PINNED POLISH ROD	6.70	
1	19MM X 73MM SCRAPERED GRADE 'D' PONY ROD	1.22	

DATE RAN : 89/10/25

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
89/10/20	GR/NEU/CCL	935.90 - 1034.50	COMPUTALOG
89/08/16	LATEROLOG	134.00 - 1033.00	SCHLUMBERGER
89/08/16	COMP. NEUTRON-LITHO-DENS.	134.00 - 1034.00	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	89/08/16	1024.00 - 1033.00	9.00	8.78	SPRF	SPEARFISH

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
89/10/20	1024.50 - 1026.50	SPEARFISH	HSC CSG	101	OPEN PERFS	13	COMP. NEUT
89/10/20	1027.50 - 1029.00	SPEARFISH	HSC CSG	101	OPEN PERFS	13	COMP. NEUT
89/10/20	1030.00 - 1033.50	SPEARFISH	HSC CSG	101	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: PIER 89-194

DATE: JAN 27, 1993
TIME: 09:49:29
PAGE: 3

HOME SRO S. PIERSON
11-19-002-29 W1

11-19-2-29

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-62.0			SH
BFS	BASE OF FISH SCALES	-129.0			SH
MNVL	MANNVILLE	-192.0			SS & SH
JRSC	JURASSIC	-314.0			SH
AMRN	AMARANTH	-479.0			SH & EVAP.
SPRF	SPEARFISH	-515.0		X	SS, SLST, SH
FTD	F.T.D.	-542.0			SS
		-551.0			

RESERVOIR:

PAY ZONE: SPRT
PRESSURE: 10590 KPA
TEMP. : 44 C
87/06/22 BUILD-UP 6-19
88/04/27 BUILD-UP 6-4

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: PIER 89-194

HOME SRO S. PIERSON
11-19-002-29 W1

11-19-2-29

HISTORY:

DIRECTIONS TO LEASE:

6 KMS WEST ON HIGHWAY #18, 4.8 KMS SOUTH. 1.6 KMS WEST,
0.8 KMS NORTH, 0.6 KMS EAST ONTO LOCATION.

1989-10-26

INITIAL COMPLETION. DRILLED OUT SHOE JOINT.
PERF'D SPEARFISH. CONDUCT RADIAL FRAC. SWAB DRY.
CONDUCT 7 TONNE 20/40 SAND FRAC IN GELLED WATER.
SANDED OFF WITH 5.9 TONNE IN FORMATION. SWAB
TEST UP TO 72 M3/D, 40% WATER. INSTALLED
ARTIFICIAL LIFT (USED 66 STRING).

DATE: JAN 27, 1993
TIME: 09:49:29
PAGE: 4

FILE NOTE: PIER 90-213

WELL NAME:

HOME SCURRY S. PIERSON 12-19-2-29

WELL LOCATION:

LSD 12, SEC 19, TWP 002, RGE 29, W1

LICENCE NO:

4200

APE NUMBER:

HOC 110397

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 483.19
GRD - 478.99

DEPTHS:

TD - 1038.76
P8TD - 1038.76

T.D. OF OPEN HOLE

SURFACE CASING:

9 JOINTS, 244.5 MM, 48.1 KG/M, H-40, ST&C, 120.5 M
CEMENTED WITH:
LEAD: 16.0 TONNES "A", 4.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 120.0 M
FLOAT COLLAR AT: 105.7 M

INTERMEDIATE CASING:

80 JOINTS, 177.8 MM, 29.8 KG/M, J-55, ST&C, 1018.9 M
CEMENTED WITH:
LEAD: 13.0 TONNES "A", 1.3 M3 RETURNS,
2:1:8 + 25% FRC-3
TAIL: 5.0 TONNES "A", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D-3
LANDED AT: 1018.0 M
FLOAT COLLAR AT: 1006.9 M
TAIL IS TELMASTER

WELLHEAD:

CASING BOWL : DRH 273 MM 14 MPA X 244 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OPPOSITE SIDE: BULL PLUG
TUBING HEAD : T-16 WELD-ON 179.4 MM 14 MPA X 177.8 MM 14 MPA
TH SIDE VALVES : BALL VALVE 50.8 MM 14 MPA 8V THRD/OPPOSITE SIDE: SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA EUE THRD X 73MM EUE SUSP THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD
FLOW TEE : "
WING VALVE : "

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE: PIER 90-213

HOME SCURRY S. PIERSON 12-19-2-29
12-19-002-29 W1

DATE: JAN 27, 1993
TIME: 09:49:51
PAGE: 2

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE MULESHOED COLLAR	.10	1016.97
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.63	1007.34
1	73 MM X 57.91 MM EUE API PSN	.34	1007.00
103	73 MM 9.67 KG/M J-55 EUE TUBING	988.40	18.60
1	73 MM 9.67 KG/M J-55 EUE 3.09 M PUP JOINT	3.09	15.51
1	73 MM 9.67 KG/M J-55 EUE 2.43 M PUP JOINT	2.43	13.08
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.64	3.44
	KB CORRECTION	3.44	

TUBING BOTTOM AT: 1017.07

TUBING HUNG FROM: TUBING BONNET THRDS IN: STRING TENSION

DATE RAN : 90/11/23

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM 153, 73 MM X 38.1 MM RWAC-TS 4.27		
	M X 1.22 M MAXIMUM STROKE 2.59 M		
1	19 MM PLAIN GRADE D 0.61 M PONY ROD	.61	1006.39
4	31.8 MM X 6.1 M X 19 MM PIN SINKER BARS	24.40	1005.78
72	19 MM PLAIN GRADE C SUCKER RODS	549.36	981.38
56	19 MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS	426.72	432.02
1	19 MM X 73 MM NYLON SCRAPERED GRADE D PONY ROD	.61	5.30
	0.61 M		4.69
1	31.8 MM X 6.7 X 19 MM PIN GRADE QC POLISH ROD WITH		
	1 - 38.1 MM X 3.65 M ROD LINER & 1 - 19 MM X		
	0.61 M PLAIN GRADE D PONY ROD ON TOP	6.70	-2.01
DATE RAN : 90/11/23			

DATE LOG

DATE	LOG	INTERVAL (M)	COMPANY
90/11/22	FMS	1018.00 - 1038.50	SCHLUMBERGER
90/09/06	DUAL INDUCTION LATEROLOG	1017.50 - 1038.30	COMPUTALOG
90/09/06	COMP. NEUTRON-LITHO-DENS.	87.00 - 1038.00	COMPUTALOG

NO DATE

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	90/09/06	1020.40 - 1038.80	18.40	18.40	LAMR	LOWER AMARANTH

CORES:

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION
90/09/07	1018.00 - 1038.80	SPEARFISH

DRILL STEM TESTS: NO DSTS REQUESTED

GUN TYPE DIA PERF STATUS SHOTS/M REFERENCE
OPEN HOLE

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:49:51
PAGE: 3

FILE NOTE: PIER 90-213

HOME SCURRY S. PIERSON 12-19-2-29
12-19-002-29 w1

FORMATIONS:

CODE	DESCRIPTION
SPRC	SPEARFISH C SAND
SPRF	SPEARFISH
LAMR	LOWER AMARANTH
FRTO	FIRST TO
ASAN	"A" SAND
BSAN	"B" SAND
CSAN	"C" SAND
BASC	BASE OF "C"
FTD	F.T.D.

PROGNOSED SS LOG TOPS PAY ZONE(M) LITHOLOGY/COMMENTS

-520.2	REDBEDS, SH
-527.2	
-539.0	SLTST, SS
-544.0	SLTST, SS
-546.0	SLTST, SS
-550.5	
-555.5	

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 04

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:49:51
PAGE: 4

FILE NOTE: PIER 90-213

HOME SCURRY S. PIERSON 12-19-2-29
12-19-002-29 w1

HISTORY:

ROAD DIRECTIONS:

FROM PIERSON, MANITOBA: 4.8 KMS SOUTH,
6.6 KMS WEST, 2.5 KMS NORTH, 0.8 KMS EAST
INTO LOCATION.

DRILLING HISTORY:

SPUD - 90-07-28
R.R. DATE - 90-07-31
CONTRACTOR - SIMMONS DRILLING
K.B. TO CSG FLANGE - 3.9 M

SURFACE HOLE:

SIZE - 349
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE:

SIZE: 222
MUD SYSTEM TYPE - GEL CHEM
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO
PLUG DISPLACEMENT FLUID - WATER
LICENSED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED: 90-07-31

1990-09-04

INITIAL COMPLETION. CORED SPEARFISH 1020.4 TO
1038.8 M. OPEN HOLE COMPLETION. INSTALLED
ARTIFICIAL LIFT.

1990-09-12

PUMP REPAIR. TRACE OF FORMATION SAND CAUSED
PLUNGER TO SEIZE.

1990-11-21

CONDUCT 3 M3 FLUID MINI FRAC & LOGGED SCHLUM-
BERGER FORMATION MICROSCANNER TO DETERMINE
FRAC ORIENTATION. CONDUCT GELLED WATER MAIN
FRAC, PLACED 7.5 TONNE SAND IN FORMATION.
SWAB RECOVER 34 M3 LOAD FLUID. RETURN TO
ARTIFICIAL LIFT.

FILE NOTE: SPIER 90-162

WELL NAME:

HOME SCURRY S. PIERSON 16-19-2-29

WELL LOCATION:

LSD 16, SEC 19, TWP 002, RGE 29, W1

LICENCE NO:

4237

AFE NUMBER:

H0C 110429

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 483.09
GRD - 478.89

DEPTHS:

TD - 1047.00
PBD - 1032.10 PERF TAG 91-01-30

SURFACE CASING:

10 JOINTS, 219.0 MM, 35.7 KG/M, J-E, ST&C BRD, 132.4 M
CEMENTED WITH:
LEAD: 12.0 TONNES "A", 1.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 132.0 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

82 JOINTS, 139.7 MM, 20.8 KG/M, J-E, ST&C BRD, 1049.2 M
CEMENTED WITH:
LEAD: 20.0 TONNES "A", 3.0 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "A", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
LANDED AT: 1047.0 M

WELLHEAD:

CASING BOWL : HINDELITER 273MM 14 MPA X 219MM CASING
CB SIDE VALVES : 50.8MM LP SURF VENT ASS'Y/OPPOSITE SIDE BULLPLUGGED
TUBING HEAD : FMC WELD-ON 139.7MM CSG X 179.4MM 14 MPA
TH SIDE VALVES : WKM BALL VALVE 50.8MM LP 14 MPA/OPPOSITE SIDE SAME
TH FLANGE : 179.4MM 14 MPA X 73MM EUE PIN X 73MM EUE SUSP THRD
MASTER VALVE : STD 38.1MM PUMPING STYE WELLHEAD (POLISH ROD LINER)

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73.0MM EUE MULE SHOE CPLG	.10	1029.34
1	73.0MM EUE X 9.67 KG/M ERW J-55 TUBING JOINT	9.05	1020.29
1	73.0MM EUE API FRICTION PUMP SEATING NIPPLE	.34	1019.95
107	73.0MM EUE X 9.67 KG/M ERW J-55 TUBING JOINT	1016.27	3.68
K.B. TO TOP CONNECTION			
TUBING BOTTOM AT: 1029.44 MKB			
TUBING HUNG FROM: TUBING HEAD FLANGE IN: STRING WEIGHT			
DATE RAN : 91/02/11			

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-162

DATE: JAN 27, 1993
TIME: 09:50:03
PAGE: 2

HOME SCURRY S. PIERSON 16-19-2-29
16-19-002-29 w1

ROD STRING:		QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
		1	LTV BHP SER #H0DB-27 73 X 31.8 RWAC 4.3 X 1.2, MAX STROKE 256CM C/W 0.6M X 19MM GR D PONY		
		4	38.1MM X 19.0MM PIN X 6.1M SINKER BARS	5.18	
		72	19.0MM PLAIN GRADE C SUCKER RODS	24.40	
		57	19.0MM X 63.5MM NYLON BONDED 6/RD GRADE C RODS	548.64	
		2	19.0MM X 63.5MM X 2.4M RYTON BONDED GRADE D PONY	434.34	
		1	31.8MM X 19.0MM PIN X 6.7M POLISH ROD C/W 38.1 X 3.01M POLISH ROD LINER	4.87	
		DATE RAN : 91/02/11			
		DATE	LOG	INTERVAL (M)	COMPANY
LOGS:		91/01/30	GAMMA RAY/COLLAR LOG	950.00 - 1032.00	JET PERFORATORS
		91/01/19	COMP. NEUTRON-LITHO-DENS.	131.80 - 914.20	COMPUTALOG
		91/01/19	DUAL INDUCTION LOG	131.80 - 914.20	COMPUTALOG
CORES:		NO CORES CUT			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
PERFORATIONS:		NO DSTS REQUESTED			
		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
		LAMR	LOWER AMARANTH	-514.0	
		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
DRILL STEM TESTS:		NO INFORMATION AVAILABLE			
		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
		LAMR	LOWER AMARANTH	-514.0	
		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
FORMATIONS:		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
		LAMR	LOWER AMARANTH	-514.0	
		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
LIFT EQUIPMENT:		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
		LAMR	LOWER AMARANTH	-514.0	
		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
		LAMR	LOWER AMARANTH	-514.0	
		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
		LAMR	LOWER AMARANTH	-514.0	
		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
		LAMR	LOWER AMARANTH	-514.0	
		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
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		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
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		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
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		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
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		NO DSTS REQUESTED			
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		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
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		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
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		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
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		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
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		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
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		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
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		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
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		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
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		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
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		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
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		NO DSTS REQUESTED			
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		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
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		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
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		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
		LAMR	LOWER AMARANTH	-514.0	
		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
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		LAMR	LOWER AMARANTH	-514.0	
		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
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		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
		LAMR	LOWER AMARANTH	-514.0	
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		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/30	1021.50 - 1024.50	SPEARFISH C	120 DE 102
		91/01/30	1024.50 - 1027.50	SPEARFISH C	120 D 102
		NO DSTS REQUESTED			
		CODE	DESCRIPTION	PROGNOSSED SS	PAY ZONE(M)
		LAMR	LOWER AMARANTH	-514.0	
		SPRA	SPEARFISH A SAND	-534.0	X
		SPRB	SPEARFISH B SAND	-538.0	X
		SPRC	SPEARFISH C SAND	-540.0	X
		MSUC	MISSISSIPPIAN UNCONF	-550.0	
		MSPR	MISSISSIPPIAN POROSI	-552.0	
		FTD	F.T.D.	-565.0	
		NO INFORMATION AVAILABLE			
		DATE	INTERVAL (M)	GUN TYPE	DIA
		91/01/			

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:50:03
PAGE: 3

FILE NOTE: SPIER 90.162

HOME SCURRY S. PIERSON 16-19-2-29
16-19-002-29 W1

HISTORY:

DRILLING HISTORY

SPUD: 91-01-26
RR DATE: 91-01-20
CONTRACTOR: SIMMONS DRILLING #27
KB TO CF: 4.2
SURFACE HOLE:
SIZE: 311MM
CONDUCTOR BARRELL: YES
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: YES - CEMENT DROPPED IN ANNULUS
AFTER PLUG WAS BUMPED. TOPPED ANNULUS WITH 15 SACKS
CONSTRUCTION CEMENT.
MAIN HOLE:
SIZE: 200MM
MUD SYSTEM TYPE: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
PLUG DISPLACEMENT FLUID: WTR
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

DIRECTIONS TO LEASE: FROM MANITOBA/ SASK BORDER ON HWY 3, EAST
1.6 KM ON HWY 3, SOUTH ON SECTION ROAD 3.2 KM, WEST 0.3 KM AND
SOUTH INTO LOCATION

1991-01-28

INITIAL COMPLETION. PERFD SPEARFISH C SAND WITH
FULL UNDERBALANCE. CONDUCT GELLED WATER SAND FRAC.
PLACING 6.4 T SAND IN FORMATION. SWAB 15.6 M3 LOAD
FLUID. INSTALLED ARTIFICIAL LIFT (NEW 66 STRING
OF GRADE C RODS).

PGM: NW20100
PERIOD: 03

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:50:14
PAGE: 1

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 2-20-2-29
WELL LOCATION: LSD 02, SEC 20, TWP 002, RGE 29, W1
LICENCE NO: 4193
AFE NUMBER: HOC -R&M
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 481.29
GRD - 477.39
DEPTHS: TD - 1050.00
PBTD - 1028.30
SURFACE CASING: 10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, 8RD, 124.1 M
CEMENTED WITH: 12.0 TONNES "A", 2.5 M3 RETURNS,
LEAD: 0:1:0 + 3.00% CACL2
LANDED AT: 123.2 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 80 JOINTS, 139.7 MM, 20.8 KG/M, J-55, 8RD ST&C, 1050.7 M
CEMENTED WITH: 17.0 TONNES "A", M3 RETURNS,
LEAD: 2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "T", M3 RETURNS,
LANDED AT: 0:0:0 + 1.00% CA-2 + .10%
FLOAT COLLAR AT: 1050.0 M
1031.2 M

WELLHEAD: CASING BOWL : DRH 273MM 14MPA X 219MM CASING
CB SIDE VALVES : 50.8MM SURFACE VENT ASSEMBLY/OPPOSITE SIDE: BULL PLUG
TUBING HEAD : T-16 179.4MM 14MPA X 139.7MM 14MPA WELD-ON
TH SIDE VALVES : BALL VALVE 50.8MM 14MPA 8V THRD/OPP SIDE: SAME
TH FLANGE : 179.4MM 14MPA X 73MM 14MPA EUE THRD. X 73MM EUE SUSP.
MASTER VALVE : STANDARD PUMPING WELLHEAD

TUBING STRING: NO TUBING STRING IN HOLE

ROD STRING: NO ROD STRING IN HOLE

LOGS: DATE LOG
90/07/22 GAMMA RAY/COLLAR LOG
90/07/12 DUAL INDUCTION LATEROLOG
90/07/12 COMP. NEUTRON-LITHO-DENS.
INTERVAL (M) COMPANY
950.00 - 1028.30 JET PERFORATORS
123.00 - 1050.00 COMPUTALOG
700.00 - 1050.00 COMPUTALOG

CORES: NO DATE INTERVAL (M) CUT REC'D FORM FORMATION DESCRIPTION
1 90/07/12 1016.00 - 1030.60 14.60 ASAN "A" SAND

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:50:14
PAGE: 2

FILE NOTE:

HOME SCURRY S. PIERSON 2-20-2-29
02-20-002-29 WI

PERFORATIONS: DATE 90/07/22 INTERVAL (M) 1018.50 - 1023.50 MAIN C SPEARFIS HSC 60 DEG 101 DIA 101 PERF STATUS 16 SHOTS/M REFERENCE
16 COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
MCSP	MAIN C SPEARFISH	-515.7			REDBEDS, SH
LAMR	LOWER AMARANTH	-536.2			SLTST, SS
ASAN	"A" SAND	-537.2	X		SLTST, SS
BSAN	"B" SAND	-541.2	X		SLTST, SS
CSAN	"C" SAND	-551.6	X		SLTST, SS
MSUC	MISSISSIPPIAN UNCONF	-553.6			ANHYDRITIC, DOL
MSPR	MISSISSIPPIAN POROSI	-566.6			LIMESTONE, DOL
FTD	F.T.D.				

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:50:14
PAGE: 3

FILE NOTE:

HOME SCURRY S. PIERSON 2-20-2-29
02-20-002-29 w1

HISTORY:

ROAD DIRECTIONS:

FROM PIERSON, MANITOBA: 4.8 KMS SOUTH,
4.0 KMS WEST, 0.4 KM NORTH AND WEST
INTO LOCATION.

DRILLING HISTORY:

SPUD - 90-07-09
R.R. DATE - 90-07-13
CONTRACTOR - SIMMONS DRILLING
KB TO CSG FLANGE - 3.9 M

SURFACE HOLE:

SIZE - 311
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE:

SIZE - 200
MUD SYSTEM TYPE - GEL CHEM
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS -
1. NO CEMENT RETURNS
1.5-1.8 OF 2.0 M3 PREFLUSH
RETURNS
2. DENSIOMETER MALFUNCTIONED
THROUGHOUT JOB
PLUG DISPLACEMENT FLUID - WATER
LICENSED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED - 90-07-14

90-07-21

INITIAL SPEARFISH COMPLETION. FRACTURED
WELL W/5.68 T 20/40 SAND @0-1000 KG/M3
SWABBED @ 24 M3/DAY, 55% BSW. RUN PUMP
AND RODS.

1992-04-01

RECOVER ROD STRING AND TUBING. WELL SUSPENDED.

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:50:24
PAGE: 1

FILE NOTE: SPIER 90-080

WELL NAME:

HOME SCURRY S. PIERSON 4-20-2-29

WELL LOCATION:

LSD 04, SEC 20, TWP 002, RGE 29, W1

LICENCE NO:

4194

AFE NUMBER:

HOC 110188

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 481.00
GRD - 476.50

DEPTHS:

TD - 1054.00
PBD - 1034.00

SURFACE CASING:

10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, 8RD ST&C, 123.7 M
CEMENTED WITH:
LEAD: 12.0 TONNES "A", 1.5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 123.0 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

82 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C, 1054.7 M
CEMENTED WITH:
LEAD: 20.0 TONNES "A", 2.0 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "A", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D-3
LANDED AT: 1054.0 M
FLOAT COLLAR AT: 1035.3 M

WELLHEAD:

CASING BOWL : DRH, 273 MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT ASSEMBLY/OPPOSITE: BULL PLUG
TUBING HEAD : T-16, 179.4 MM 14 MPA X 139.7 MM 14 MPA WELD-ON
TH SIDE VALVES : BALL VALVE, 50.8 MM 14 MPA BV THRD/OPPOSITE SIDE: SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA EUE THRD X 73 MM EUE SUSP.THRD
MASTER VALVE : STANDARD PUMPING WELLHEAD
FLOW TEE :
WING VALVE :

HOME SCURRY S. PIERSON 4-20-2-29
04-20-002-29 W1

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM MULESHOED COLLAR	.10	1028.95
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.44	1019.51
1	73 MM X 57.91 MM API PSN	.34	1019.17
106	73 MM 9.67 KG/M J-55 EUE TUBING	1000.93	18.24
1	73 MM 9.67 KG/M J-55 EUE PUP JOINT	3.10	15.18
1	73 MM 9.67 KG/M J-55 EUE PUP JOINT	2.53	12.71
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.44	3.27

K.B. CORRECTION

TUBING BOTTOM AT: 1029.05

TUBING HUNG FROM: TUBING BONNET THRS IN: STRING TENSION

DATE RAN : 90/08/10

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HOM 178, 73 MM X 38.1 MM RWAC-TS 4.27 X 1.22 M, MAXIMUM STROKE 2.59 M	.61	
1	19 MM X 0.61 M PLAIN GRADE D PONY ROD	.61	
4	38.1 MM X 7.62 M X 19 MM PIN SINKER BARS	30.48	
72	19 MM PLAIN GRADE C SUCKER RODS	549.36	
57	19 MM X 73 MM NYLON SCRAPERED GRADE C SUCKER RODS	434.34	
1	19 MM X 73 MM NYLON SCRAPERED GRADE D 1.83 M PONY ROD	1.83	
1	31.8 MM X 6.7 M X 19 MM PIN GRADE QC POLISH ROD WITH 1 - 19 MM X 0.61 M PLAIN GRADE D PONY ROD ON TOP	6.70	

DATE RAN : 90/08/10

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
90/07/23	GAMMA RAY/COLLAR LOG	950.00 - 1034.00	JET PERFORATORS
90/07/16	DUAL INDUCTION LATEROLOG	123.00 - 1053.30	COMPUTALOG
90/07/16	COMP. NEUTRON-LITHO-DENS.	123.00 - 1053.30	COMPUTALOG

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	90/07/16	1015.00 - 1029.00	14.00	14.00	ASAN	"A" SAND

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
90/07/23	1020.00 - 1026.00	MAIN C SPEARFIS	HSC 60 DEG	101	OPEN PERFS	16	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
MCSP	MAIN C SPEARFISH				
LAMR	LOWER AMARANTH				
ASAN	"A" SAND	-518.0		X	REDBEDS, SH
BSAN	"B" SAND	-538.8		X	SLTST, SS
CSAN	"C" SAND	-541.8		X	SLTST, SS
MSUC	MISSISSIPPIAN UNCONF	-543.8			SLTST, SS
MSPR	MISSISSIPPIAN POROSI	-554.3			ANHYDRITIC, DOL
FTD	F.T.D.	-556.3			LIMESTONE, DOL
		-570.0			

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 4-20-2-29
04-20-002-29 w1

HISTORY:

ROAD DIRECTIONS:

FROM PIERSON, MANITOBA: 4.8 KMS SOUTH,
4.8 KMS WEST, 0.4 KMS NORTH, 0.4 KMS
EAST INTO LOCATION.

DRILLING HISTORY:

SPUD - 90-07-13
R.R. DATE - 90-07-17
CONTRACTOR - SIMMONS DRILLING
KB TO CASING FLANGE - 3.95 M

SURFACE HOLE:

SIZE - 311
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE:

SIZE - 200
MUD SYSTEM TYPE - GEL CHEM
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS -
DENSIOMETER WORKED PART-TIME
PLUG DISPLACEMENT FLUID - WATER
LICENCED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED - 90-07-18

1990-07-23

INITIAL COMPLETION. PERF'D SPEARFISH WITH
FULL UNDERBALANCE. CONDUCT GELLED WATER SAND
FRAC, PLACED 6 T SAND IN FORMATION. SWAB
RECOVER 15 M3 LOAD FLUID. INSTALLED ARTIFICIAL
LIFT.

DATE: JAN 27, 1993
TIME: 09:50:24
PAGE: 3

FILE NOTE: SPIER 90-080

WELL NAME:

HOME SCURRY S. PIERSON 6-20-2-29

WELL LOCATION:

LSD 06, SEC 20, TWP 002, RGE 29, W1

LICENCE NO:

4195

APE NUMBER:

HOC 110189

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 480.19
GRD - 475.99

DEPTHS:

TD - 1049.00
PBTD - 1028.80

SURFACE CASING:

10 JOINTS, 219.0 MM, 35.7 KG/M, J-55, BRD ST&C, 123.5 M
CEMENTED WITH:
LEAD: 12.0 TONNES "A", 2.5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 123.0 M
FLOAT COLLAR AT: 116.9 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

85 JOINTS, 139.7 MM, 20.8 KG/M, J-55, BRD ST&C, 1049.9 M
CEMENTED WITH:
LEAD: 19.0 TONNES "A", 3.0 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "A", M3 RETURNS,
0:0:0 + 1.00% CA-3 + .10% D-3
LANDED AT: 1049.0 M
FLOAT COLLAR AT: 1030.7 M
TAIL CEMENT IS TELMASTER

WELLHEAD:

CASING BOWL : DRH 273MM 14 MPA X 219MM CASING
CB SIDE VALVES : 50.8MM SURFACE VENT/OPPOSITE SIDE: BULL PLUG
TUBING HEAD : T-16 179.4MM 14 MPA X 139.7MM 14 MPA WELD-ON
TH SIDE VALVES : WKM BALL VALVE 50.8MM 14 MPA 8V/OPPOSITE SIDE: SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA EUE X 73MM EUE SUSP.
MASTER VALVE :)
FLOW TEE :) STANDARD PUMPING WELLHEAD
WING VALVE :)

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

DATE: JAN 27, 1993
TIME: 09:52:57
PAGE: 2

HOME SCURRY S. PIERSON 6-20-2-29
06-20-002-29 w1

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73MM EUE MULEHEAD COLLAR	.10	1026.31
1	73MM 9.67KG/LM J-55 EUE NEW TUBING	9.43	1016.88
1	73MM EUE X 57.91MM API PSN	.34	1016.54
106	73MM 9.67KG/M J-55 EUE NEW TUBING	1002.63	13.91
1	73MM 9.67KG/M J-55 EUE PUP JOINT	1.22	12.69
1	73MM 9.67KG/M J-55 EUE NEW TUBING	9.38	3.31
	K.B. CORRECTION	3.31	

TUBING BOTTOM AT: 1026.41 MKB

TUBING HUNG FROM: BONNET THREADS IN: STRING

DATE RAN : 90/08/27

ROD STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	BHP #HODB-18, 73MM X 38.1MM RWAC-TS 4.27M X 1.22M		
	MAXIMUM STROKE 2.54M	.61	
1	19MM X 0.61M PLAIN GRADE 'D' PONY ROD	.61	
4	38.1MM X 6.1M X 19MM PIN SINKER BARS	24.40	
72	19MM PLAIN GRADE 'C' SINKER RODS	549.36	
57	19MM X 73MM NYLON SCRAPERRED GRADE 'C' SINKER RODS	434.34	
2	19MM X 73MM NYLON SCRAPERRED GRADE 'D' PONY ROD		
	1-2.05M, 1-0.61M	3.66	
1	31.8MM X 6.7M X 19MM PIN GRADE OC POLISH ROD C/W		
	19MM X .61M PLAIN GRADE 'D' PONY ROD ON TOP	6.70	
	DATE RAN : 90/08/27		

LOGS

DATE	LOG	INTERVAL (M)	COMPANY
90/08/11	GAMMA RAY/COLLAR LOG	947.10 - 1027.10	COMPUTALOG
90/07/22	DUAL INDUCTION LATEROLOG	123.00 - 1049.00	COMPUTALOG
90/07/22	COMP. NEUTRON-LITHO-DENS.	700.00 - 1049.00	COMPUTALOG

NO CORES CUT

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
90/08/11	1017.50 - 1023.50	SPEARFISH C	SAN HSC	60 DEG 101	OPEN PERFS	16	COMP. NEUT

NO DSTS REQUESTED

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-514.3			REDBEDS, SH
SPRA	SPEARFISH A SAND	-535.0	X		SLTST, SS
SPRB	SPEARFISH B SAND	-537.0	X		SLTST, SS
SPRC	SPEARFISH C SAND	-540.0	X		SLTST, SS
MSUC	MISSISSIPPIAN UNCONF	-551.0			ANHYDRITIC, DOL
MSPR	MISSISSIPPIAN POROSI	-553.0			LIMESTONE, DOL
FTD	F.T.D.	-566.0			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:52:57
PAGE: 3

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 6-20-2-29
06-20-002-29 W1

HISTORY:

ROAD DIRECTIONS:

FROM PIERSON, MANITOBA: 4.8 KMS SOUTH,
4.8 KMS WEST, 0.8 KMS NORTH, 0.8 KMS
EAST INTO LOCATION.

DRILLING HISTORY:

SPUD - 90-07-18

R.R. DATE - 90-07-21

CONTRACTOR - SIMMONS DRILLING

K.B. TO CSG FLANGE - 3.9 M

SURFACE HOLE:

SIZE - 311

CONDUCTOR BARREL - YES

ABNORMAL DRILLING CONDITIONS - NO

ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE:

SIZE - 200

MUD SYSTEM TYPE - GEL CHEM

ABNORMAL DRILLING CONDITIONS - NO

ABNORMAL CEMENTING CONDITIONS - NO

PLUG DISPLACEMENT FLUID - WATER

LICENCED CEMENT TOP - TO SURFACE

CALCULATED CEMENT TOP - TO SURFACE

WELL CEMENTED: 90-07-21

1990-08-27

INITIAL COMPLETION. PERFORATED SPEARFISH
'C' SAND. CONDUCT GELLED WATER SAND FRAC.
PLACING 2.6 T SAND IN FORMATION. SWAB
RECOVER 14.25 M3 LOAD FLUID. INSTALLED
ARTIFICIAL LIFT.

FILE NOTE:

WELL NAME: HOME SRO S. PIERSON PROV. 12-20-2-29
WELL LOCATION: LSD 12, SEC 20, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 481.70
GRD - 477.60
DEPTHS: TD - 1048.00
PBTD - 1033.60

SURFACE CASING: 9 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C, 119.1 M
CEMENTED WITH:
LEAD: 13.0 TONNES "O", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 119.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C, 1049.2 M
CEMENTED WITH:
LEAD: 6.5 TONNES "O", M3 RETURNS,
0:0:0 + 1.00% CACL2 + .10% D3
TAIL: 20.0 TONNES "G", 4.0 M3 RETURNS,
2:1:8 + .50% FRC3 + .10% D3
LANDED AT: 1048.0 M
CEMENT TOP AT: 1.0 M

WELLHEAD: CASING BOWL : DRH FS 219MM 14 MPA X 219 MM CASING
CB SIDE VALVES : 50.8 MM SURFACE VENT/ASSEMBLY OP. SIDE: BULL PLUG
TUBING HEAD : T-16, 179.4MM 14 MPA X 139.7 MM 14 MPA WELD-ON
TH SIDE VALVES : 50.8 MM 10 MPA LP BALL VALVE EACH SIDE
TH FLANGE : 179.4MM 14 MPA X 73 MM 14 MPA EUE THRD X 73 MM EUE SUSP
MASTER VALVE : STANDARD PUMPING WELLHEAD

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM MULESHOED COLLAR	.12	1029.52
1	73 MM 9.67 KG/M J-55 EUE TUBING	9.56	1019.96
1	73 MM X 57.91 MM PROFILE API PSN	.34	1019.62
107	73 MM 9.67 KG/M J-55 EUE TUBING K.B. CORRECTION	1016.08	3.54
TUBING BOTTOM AT: 1029.64 MKB			
TUBING HUNG FROM: TBG BONNET THREADS IN: STRING TENSION			
DATE RAN : 90/11/27			

FILE NOTE:

HOME SRO S. PIERSON PROV. 12-20-2-29
12-20-002-29 W1

ROD STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	BHP #HOM 595.73MM X 38.1MM RWAC-TS 4.27M X 1.22M HARDENED CHROME BARREL MASTERLOY BALLS & SEATS MAX. STROKE 2.59 M	.66	
	6	38.1 MM X 7.51 M X 19 MM PIN SINKER BARS	45.06	
	73	19 MM PLAIN GRADE C SUCKER RODS	556.22	
	53	19 MM X 73 MM SCRAPER GRADE 75 D SUCKER RODS	403.84	
	3	19 MM X 73 MM SCRAPER GRADE D PONY RODS (2 - 1.84 M, 1 - 0.69 M)	4.37	
	1	31.8 X 6.7 M X 19 MM PIN POLISH ROD C/W LINER	6.70	
DATE RAN	: 91/08/04			

LOGS:	DATE	LOG	INTERVAL (M)	COMPANY
	90/03/30	GAMMA RAY/COLLAR LOG	922.70 - 1031.50	COMPUTALOG
	90/03/15	DUAL INDUCTION LATEROLOG	118.90 - 1047.70	COMPUTALOG
	90/03/15	COMP. NEUTRON-LITHO-DENS.	118.90 - 1048.00	COMPUTALOG

CORES:	NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION	SHOTS/M	REFERENCE
	1	90/03/15	1012.00 - 1025.00	13.00	12.65	MCSP	MAIN C SPEARFISH	16	COMP. NEUT
		DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	16	COMP. NEUT
		90/03/30	1014.00 - 1018.00	MAIN C SPEARFIS	JRC HSC	101	OPEN PERFS	16	COMP. NEUT
		90/03/30	1019.00 - 1024.00	MAIN C SPEARFIS	JRC HSC	101	OPEN PERFS	16	COMP. NEUT

DRILL STEM TESTS:

FORMATIONS:	CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	BOYN	BOYNE	32.0			SH
	FVEL	FAVEL	-60.0			SS, SH
	SWNR	SWAN RIVER	-192.0			SS, SH
	UJRC	UPPER JURASSIC	-315.0			SH, SS
	AMRE	AMARANTH EVAPORITES	-473.0			ANHYD/SH
	AMRR	AMARANTH RED BEDS	-508.0			RD SH
	ASAN	"A" SAND	-532.0			SLTST/SS
	BSAN	"B" SAND	-536.0			SLTST/SS
	MCSP	MAIN C SPEARFISH	-538.0		X	VF SS, SH, SLTST
	MSUC	MISSISSIPPIAN UNCONF	-551.0			ANHYD/DOL
	MSPR	MISSISSIPPIAN POROSI	-553.0			DOL/LS
	FTD	F.T.D.	-566.0			

RESERVOIR:

PAY ZONE: 10000 KPA 00/00/00

TEMP. : 45 C 00/00/00

PGM: NW20100
PERIOD: 07

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:53:09
PAGE: 3

ARTIFICIAL LIFT EQUIPMENT:

PUMP JACK:

MAKE: LEGRAND
AVAILABLE STROKE LENGTHS (IN): 40.0 / 52.0 / 64.0 / 0.0
DIRECTION OF ROTATION: CLOCKWISE
PRIME MOVER: MODEL
H.P.: 15.0 / 0.0 / 0.0
JACK SHAFT: N (Y/N) SHEAVE SIZE (IN): 5.0

SIZE: 114 X 143

(VIEWED WITH WELLHEAD TO THE RIGHT)
(ELECTRIC)

PRESENT OPERATING CONDITIONS:

S.P.M: 5.5 STROKE LENGTH (IN): 40.0
DATE OF LAST ENTRY: 1991 / 06 / 21

COMMENTS:

FILE NOTE:

PGM: NW20100

PERIOD: 07

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:53:09
PAGE: 4

FILE NOTE:

HOME SRO S. PIERSON PROV. 12-20-2-29
12-20-002-29 W1

HISTORY:

DIRECTIONS TO LEASE: 5 KM WEST OF PIERSON TOWNSITE AND 3.8
KM SOUTH, EAST INTO LOCATION

DRILLING HISTORY

SPUD DATE: 90-03-11 RIG RELEASE DATE: 90-03-16

CONTRACTOR: SIMMONS K.B. TO C.F. MEAS: 4.0

SURFACE HOLE
SIZE: 311 CONDUCTOR BARREL: V
ABNORMAL DRILLING CONDITIONS: NIL
ABNORMAL CEMENTING CONDITIONS: NIL

MAIN HOLE
SIZE: 200
TYPE OF MUD SYSTEM: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NIL
ABNORMAL CEMENTING CONDITIONS: NIL
PLUG DISPLACEMENT FLUID: WATER
LICENCED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

1990-03-29 INITIAL COMPLETION. PERF'D SPEARFISH WITH
FULL UNDERBALANCE. CONDUCT GELLED BRINE SAND
FRAC (NOWSCO). PLACING 3.2 T SAND. SWAB 11.7
M3 LOAD FLUID. INSTALLED ARTIFICIAL LIFT.
(NEW STRING MIXED GRADE C & D).

1990-11-27 CONDUCT GELLED WATER RE-FRAC ON SPEARFISH.
PLACED 5.5 TONNES SAND IN FORMATION. SWAB
RECOVER 14 M3 LOAD FLUID. RETURNED WELL TO
ARTIFICIAL LIFT.

1990-12-19 PUMP REPAIR, SIEZED WITH FRAC SAND.
CIRCULATED CLEAN TO PBTD.

1991-03-28 PUMP REPAIR, SIEZED WITH SAND. CIRCULATE CLEAN
TO PBTD. WELL REQUIRED HOT OILING. PUMP SIZE
REDUCED TO 31.8 MM TO MATCH WELL INFLOW.

1991-06-21 PUMP REPAIR. CIRCULATE TO PBTD.

1991-08-04 PUMP REPAIR. CIRCULATE TO PBTD. FRAC SAND 3 M
BELOW TUBING BOTTOM. INSTALLED 38.1 MM PUMP AS
31.8 MM REPLACEMENT NOT AVAILABLE.

FILE NOTE:

WELL NAME:	HOME/SCURRY S. PIERSON	4-21-2-29	
WELL LOCATION:	LSD 04, SEC 21, TWP 002, RGE 29, W1		
AFE NUMBER:	HOC -R&M		
RESPONSIBILITY:	HOME OIL LTD		
FIELD OFFICE:	ESTEVAN		
ELEVATIONS:	KB ~ 480.49		
	GRD 475.74		
DEPTHS:	TD ~ 1080.00		
	PBTD ~ 1064.50		
SURFACE CASING:	10 JOINTS, 214.1 MM, 35.7 KG/M, J55, ST&C, 126.0 M		
	CEMENTED WITH:		
	LEAD: 13.0 TONNES "G", 1.5 M3 RETURNS,		
	0:1:0 + 3.00% CACL2		
	LANDED AT: 126.0 M		
INTERMEDIATE CASING:	NO INTERMEDIATE CASING		
PRODUCTION CASING:	90 JOINTS, 139.7 MM, 20.8 KG/M, J55, ST&C, 1077.3 M		
	CEMENTED WITH:		
	LEAD: 24.0 TONNES "G", M3 RETURNS,		
	1:1:4		
	TAIL: 11.0 TONNES "G", .7 M3 RETURNS,		
	0:1:0 + 3.00% CACL		
	LANDED AT: 1077.3 M		
WELLHEAD:	CASING BOWL : CROWN TYPE H 228.6 MM 14 MPA WELD-ON		
	CB SIDE VALVES : 50.8 MM SURF VENT ASSY / OPPOSITE SIDE BULL PLUGGED		
	TUBING HEAD : OCT T-16 228.6 MM 14 MPA X 179.4 MM 14 MPA		
	TH SIDE VALVES : 50.8 MM BALL VALVE EACH SIDE		
	TH FLANGE : 179.4 MM 14MPA X 73 MM EUE PIN X 73 MM EUE SUSP THRDS		
	MASTER VALVE : STANDARD 31.8 MM PUMPING STYLE		
TUBING STRING:	NO TUBING STRING IN HOLE		
ROD STRING:	NO ROD STRING IN HOLE		
LOGS:	DATE LOG	INTERVAL (M)	COMPANY
	86/09/12 CEMENT BOND	500.00 - 1058.00	SCHLUMBERGER
	86/08/14 DUAL INDUCTION LATEROLOG	-	SCHLUMBERGER
	86/08/14 COMP. NEUTRON-LITHO-DENS.	-	SCHLUMBERGER
	86/08/14 RADIATION LOG	-	SCHLUMBERGER
	86/08/14 SONIC	-	SCHLUMBERGER
CORES:	NO DATE	INTERVAL (M)	CUT REC'D FORM DESCRIPTION
	1 86/08/14	1010.00 - 1028.00	18.00 18.00 SPRF SPEARFISH

PGM: NW20100

PERIOD: 11

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:53:19
PAGE: 2

FILE NOTE:

HOME/SCURRY S. PIERSON
04-21-002-29 W1

4-21-2-29

PERFORATIONS:

DATE 86/10/01 INTERVAL (M) 1012.00 - 1017.00 FORMATION SPEARFISH

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE DESCRIPTION PROGNOSSED SS LOG TOPS
SSPK SECOND WHITE SPECKS -66.0 540.0
BFS BASE OF FISH SCALES -137.0 609.0
MNVL MANNVILLE -200.0 671.0
JRSC JURASSIC -309.0 785.0
AMRN AMARANTH -475.0 952.0
SPRF SPEARFISH -513.0 993.0
MSSP MISSISSIPPIAN -551.0 1028.0
FTD F.T.D. -590.0 1080.0

GUN TYPE HSC PAY ZONE(M) LITHOLOGY/COMMENTS
DIA 101
PERF STATUS OPEN PERFS
SH
SH
SS & SH
SH
SH & ANHYDRITE
SH, SLT & SS
LS,DOL,ANHYDRITE

SHOTS/M 3
REFERENCE
COMP. NEUT

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PCM: NW20100

PERIOD: 11

HOME/SCURRY S. PIERSON
04-21-002-29 W1

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

FILE NOTE:

DATE: JAN 27, 1993
TIME: 09:53:19
PAGE: 3

1986-08-08	WELL DRILLED TO 1080 M. RR 86-08-16
1986-08-30	INITIAL COMPLETION. PERD SPEARFISH. CONDUCT ACID WASH AND SQUEEZED 320L INTO PERFS. SWAB DRY. CONDUCT POLYEMULSION FRAC PLACING 25 T SAND IN FORMATION. SWAB TEST.
1986-10-11	INSTALLED ARTIFICIAL LIFT.
1986-10-20	PUMP REPAIR. CIRCULATE CLEAN OF FRAC SAND.
1986-10-29	REPAIRED PUMP, CIRCULATED WELL CLEAN OF FRAC SAND.
1986-11-04	PULLED ROD STRING. WELL SUSPENDED.
1987-01-12	RECOVER TUBING. CONDUCT LOGGING FOR FRAC CONTAINMENT INFORMATION.
1989-03-16	RUN TUBING & ROD STRING. PLACE ON PRODUCTION TEST.
1990-05-28	PUMP REPAIR.
1990-11-28	PUMP REPAIR. INCREASE PUMP SIZE TO 50.8 MM WITH LARGE CLEARANCE (0.004") PLUNGER.
1991	SALVAGE ROD STRING AND TUBING. WELL SUSPENDED.
1992-11-05	INHIBIT WELLBORE WITH INHIBITED FRESH WATER.

PGM: NW20100
PERIOD: 06

DAILY WELL REPORTING SYSTEM
WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:53:28
PAGE: 1

FILE NOTE:

WELL NAME: HOME/SCURRY S. PIERSON 10-21-2-29
WELL LOCATION: LSD 10, SEC 21, TWP 002, RGE 29, W1
AFE NUMBER: HOC -R&M
RESPONSIBILITY: HOME OIL LTD
FIELD OFFICE: ESTEVAN
ELEVATIONS: KB - 477.34
GRD - 473.19
DEPTHS: TD - 1070.00
PBTD - 1054.30 TBG TAG 87-03-11
SURFACE CASING: 11 JOINTS, 219.0 MM, 35.7 KG/M, K-55, ST&C, 108.0 M
CEMENTED WITH:
LEAD: 12.0 TONNES "G", .8 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 108.0 M
INTERMEDIATE CASING: NO INTERMEDIATE CASING
PRODUCTION CASING: 82 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C, 1068.5 M
CEMENTED WITH:
LEAD: 25.0 TONNES "G", 4.5 M3 RETURNS,
1:1:4 + .50% T10
TAIL: 8.0 TONNES "G", M3 RETURNS,
0:1:0
LANDED AT: 1068.5 M
PERCENT TYPE: TAIL - 7% NFL + SPC 12,000
WELLHEAD: CASING BOWL : CROWN 228.6 MM 14 MPA X 219.1 MM CASING
CB SIDE VALVES : 50.8 MM LP THREAD SURFACE VENT KIT
CASING SPOOL : NONE
CS SIDE VALVES : NONE
TUBING HEAD : T-16 228.6 MM 14 MPA X 179.4 MM 14 MPA
TH SIDE VALVES : 2 - WKM 50.8 MM LP THREAD 14 MPA GATE VALVES
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE TOP AND BOTTOM
MASTER VALVE : }
FLOW TEE : } STANDARD PUMPING 73 MM EUE X 38.1 MM
WING VALVE : }
TUBING STRING: NO TUBING STRING IN HOLE
ROD STRING: NO ROD STRING IN HOLE

PGM: NW20100

PERIOD: 06

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:53:28
PAGE: 2

FILE NOTE:

HOME/SCURRY S. PIERSON
10-21-002-29 W1

10-21-2-29

LOGS:

DATE LOG
87/03/16 FRAC HEIGHT LOG
87/03/12 GAMMA RAY/COLLAR LOG
87/01/13 AUXILIARY MEASUREMENT
87/01/12 CEMENT BOND
86/11/05 DUAL INDUCTION LATEROLOG
86/11/05 COMP. NEUTRON-LITHO-DENS.
86/11/05 AUXILIARY MEASUREMENT

INTERVAL (M)
925.00 - 1019.00 JET PERFORATORS
902.00 - 1052.00 JET PERFORATORS
UNKNOWN
SCHLUMBERGER
SCHLUMBERGER
SCHLUMBERGER
SCHLUMBERGER

CORES:

NO DATE INTERVAL (M) CUT REC'D FORM FORMATION DESCRIPTION
1 86/11/04 1003.00 - 1021.00 18.00 18.00 SPEARFISH

PERFORATIONS:

DATE INTERVAL (M) FORMATION GUN TYPE DIA PERF STATUS SHOTS/M REFERENCE
87/03/12 1005.00 - 1008.00 SPEARFISH HSC 102 102 OPEN PERFS 13 COMP. NEUT
87/03/12 1010.00 - 1014.00 SPEARFISH HSC 102 102 OPEN PERFS 13 COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE DESCRIPTION PROGNOSSED SS LOG TOPS PAY ZONE(M) LITHOLOGY/COMMENTS
SSPK SECOND WHITE SPECKS -59.0 534.0 SH
BFS BASE OF FISH SCALES -125.0 603.2 SH
MNVL MANNVILLE -189.0 665.0 SS & SH
JRSC JURASSIC -300.0 777.0 SH
AMRN AMARANTH -467.0 SH & EVAPORITES
SPRF SPEARFISH -502.0 945.0 X SH, SILT, SS
MSSP MISSISSIPPIAN -541.0 1020.0 LS, DOL, ANHYDRITE
FTD F.T.D. -590.0 1070.0

RESERVOIR:

PAY ZONE:
PRESSURE: 10367 KPA 87/03/21 BUILD-UP
TEMP.: 41 C 87/03/21 BUILD-UP

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 06

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:53:28
PAGE: 3

FILE NOTE:

HOME/SCURRY S. PIERSON
10-21-002-29 W1

10-21-2-29

HISTORY:

DIRECTIONS TO LOCATION:

1986-10-29 WELL DRILLED, RR 11-06

1986-11-09 CONDUCT BOND LOGGING.

1987-01-12 LOG FOR FRAC CONTAINMENT INFORMATION.

1987-03-11 PERF SPEARFISH. CONDUCT ACID WASH/SQUEEZE. CONDUCT
GELLED DIESEL DIVERTAFRAC (DS) PLACED 13 T SAND IN
FORMATION. SWAB TEST LOAD FLUID. CONDUCT PRESSURE
BUILDUP.

1987-05-13 INSTALLED ARTIFICIAL LIFT FOR PRODUCTION TEST.

1987-06-22 PULLED ROD STRING. PRODUCTION TEST COMPLETE.
WELL SUSPENDED.

1992-10-29 INHIBIT WELLBORE WITH INHIBITED FRESH WATER.
SALVAGE TUBING. WELL SUSPENDED.

FILE NOTE: SPIER 90-080

WELL NAME:

HOME SCURRY S. PIERSON 2-30-2-29

WELL LOCATION:

LSD 02, SEC 30, TWP 002, RGE 29, W1

LICENCE NO:

4197

A/E NUMBER:

HOC 110191

FIELD OFFICE:

ESTEVAN

ELEVATIONS:

KB - 484.60
GRD - 480.20

DEPTHS:

TD - 1050.00
PBTD - 1036.50

SURFACE CASING:

10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C 8RD, 123.0 M
CEMENTED WITH:
LEAD: 12.0 TONNES "G", 3.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 123.0 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

81 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C 8RD, 1050.0 M
CEMENTED WITH:
LEAD: 17.0 TONNES "A", 1.4 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "G", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
FLOAT COLLAR AT: 1031.5 M
CALC CEMENT TOP: 1.0 M

WELLHEAD:

CASING BOWL : DRH 273MM 14 MPA X 219 MM
CB SIDE VALVES : 50.8MM SURF VENT ASSY / OPPOSITE BULL PLUG
TUBING HEAD : T-16 WELD-ON 179.4MM 14 MPA X 139.7MM 14 MPA
TH SIDE VALVES : BALL VALVE 50.8MM 14 MPA 8V THRD/OPPOSITE SIDE SAME
TH FLANGE : 179.4MM 14 MPA X 73MM 14 MPA EUE THRD X 73MM EUE SUSP. THRD.
MASTER VALVE : STANDARD PUMPING WELLHEAD

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73MM EUE MULESHOED COLLAR	.10	1032.79
1	73MM 9.67 KG/M J-55 EUE TUBING	9.51	1023.28
1	73MM X 57.91MM API PSN	.34	1022.94
108	73MM 9.67 KG/M J-55 EUE TUBING	1019.64	3.30
	KB CORRECTION	3.30	
TUBING BOTTOM AT: 1032.89 MKB			
TUBING HUNG FROM: TUBING BONNET THREAD IN: STRING TENSION			
DATE RAN : 90/07/10			

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 2-30-2-29
02-30-002-29 W1

DATE: JAN 27, 1993
TIME: 09:54:13
PAGE: 2

ROD STRING:	QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
	1	BHP #HOM175, 73MM X 38.1MM RWAC 4.87M X 1.22M C/W SPOOL CHECK. MAXIMUM STROKE 2.90M	.31	
	1	19MM PLAIN GRADE 78D PONY ROD	.61	
	4	38.1MM X 6.1M 19MM PIN SINKER BARS	24.40	
	72	19MM PLAIN GRADE 78D SUCKER RODS	549.36	
	57	19MM X 73MM NYLON SCRAPERED GRADE 78D SUCKER RODS	434.91	
	4	19MM X 73MM NYLON SCRAPERED GRADE 78D PONY RODS		
	1	1 - 2.44M, 1 - 1.83M, 1 - 1.22M, 1 - 0.61M 31.8MM X 6.7M X 19MM PIN POLISH ROD C/W 19MM X 0.61M GRADE 78D PONY ROD ON TOP	6.10	
DATE RAN		: 90/07/10	6.70	

LOGS:	DATE	LOG	INTERVAL (M)	COMPANY
	90/06/24	GAMMA RAY/COLLAR LOG	950.00 - 1035.00	JET PERFORATORS
	90/06/07	NEUTRON	122.40 - 1050.50	COMPUTALOG
	90/06/06	DUAL INDUCTION LATEROLOG	122.40 - 1050.40	COMPUTALOG

CORES:	NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
	1	90/06/07	1015.00 - 1029.00	14.00	SPRC	SPEARFISH C	SAND

PERFORATIONS:	DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
	90/06/24	1019.00 - 1022.00	SPEARFISH B	SAN HSC 60 DEG	101	OPEN PERFS	16	COMP. NEUT
	90/06/24	1023.00 - 1029.00	SPEARFISH C	SAN HSC 60 DEG	101	OPEN PERFS	16	COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:	CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
	LAMR	LOWER AMARANTH	-514.5			REDBEDS, SH
	SPRA	SPEARFISH A SAND	-534.0		X	SLTST, SS
	SPRB	SPEARFISH B SAND	-539.0		X	SLTST, SS
	SPRC	SPEARFISH C SAND	-541.0		X	SLTST, SS
	MSUC	MISSISSIPPIAN UNCONF	-550.7			ANHYDRITIC, DOL
	MSPR	MISSISSIPPIAN POROSI	-552.7			LIMESTONE, DOL
	FTD	F.T.D.	-565.7			

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

FILE NOTE: SPIER 90-080

HOME SCURRY S. PIERSON 2-30-2-29
02-30-002-29 W1

HISTORY:

ROAD DIRECTIONS:

FROM THE SASKATCHEWAN-MANITOBA BOUNDARY ON
HIGHWAY #18, 1.6 KMS EAST ON HIGHWAY, 3.2 KMS
SOUTH, 0.8 KMS WEST, 0.4 KMS NORTH INTO
LOCATION.

DRILLING HISTORY:

SPUD - 90-06-03
R.R. DATE - 90-06-07
CONTRACTOR - SIMMONS DRILLING
KB TO CSG FLANGE - 3.9 M

SURFACE HOLE:

SIZE 311
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO

MAIN HOLE:

SIZE: 200
MUD SYSTEM TYPE - GEL CHEM
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO
PLUG DISPLACEMENT FLUID - WATER
LICENSED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED: 90-06-07

1990-07-10 INITIAL COMPLETION. PERF'D SPEARFISH FULLY UNDER
BALANCED. CONDUCT GELLED WATER SAND FRAC. PLACED
1.5 TONNE SAND IN FORMATION. SHUT DOWN EARLY DUE
TO DROP ON NOLTE PLOT. SWAB 15 M3 LOAD FLUID.
INSTALLED ARTIFICIAL LIFT.

DATE: JAN 27, 1993
TIME: 09:54:13
PAGE: 3

FILE NOTE:

WELL NAME:

HOME SRO S. PIERSON 2-31-2-29

WELL LOCATION:

LSD 02, SEC 31, TWP 002, RGE 29, W1

LICENCE NO:

4218

AFE NUMBER:

HOC -R&M

FIELD OFFICE:

ESTEVAN, SASK.

ELEVATIONS:

KB - 484.26
GRD - 479.96

DEPTHS:

TD - 1050.00
PBTD - 1030.50

SURFACE CASING:

10 JOINTS, 219.1 MM, 35.7 KG/M, J-55, ST&C 8RD, 124.8 M
CEMENTED WITH:
LEAD: 12.0 TONNES "A", 1.5 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 124.0 M
FLOAT COLLAR AT: 117.8 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

83 JOINTS, 139.7 MM, 20.8 KG/M, J-55, ST&C 8RD, 1046.9 M
CEMENTED WITH:
LEAD: 20.0 TONNES "A", 3.0 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "A", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
LANDED AT: 1046.0 M
FLOAT COLLAR AT: 1031.6 M

WELLHEAD:

CASING BOWL : DRH 273MM 14MPA X 219MM CASING
CB SIDE VALVES : 50.8MM SURFACE VENT/OPPOSITE SIDE: BULLPLUG
TUBING HEAD : T-16 179.4MM 14MPA X 139.7MM 14MPA WELD-ON
TH SIDE VALVES : BALL VALVE 50.8MM 14 MPA BV/OPPOSITE SIDE: SAME
TH FLANGE : 179.4MM 14MPA X 73MM 14 MPA EUE X 73MM EUE SUSP.
MASTER VALVE : 50.8 MM LP BALL VALVE AND BULLPLUG

TUBING STRING:

NO TUBING STRING IN HOLE

ROD STRING:

NO ROD STRING IN HOLE

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
90/08/15	GAMMA RAY/COLLAR LOG	949.50 - 1030.50	COMPUTALOG
90/08/07	COMP. NEUTRON-LITHO-DENS.	697.20 - 1049.00	COMPUTALOG
90/08/07	DUAL INDUCTION LATEROLOG	124.00 - 1049.00	COMPUTALOG

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:55:26
PAGE: 2

FILE NOTE:

2-31-2-29

HOME SRO S. PIERSON
02-31-002-29 W1

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	90/08/06	1008.00 - 1019.00	11.00	11.00	SPRA	SPEARFISH A SAND
2	90/08/06	1019.00 - 1024.00	5.00	5.00	SPRB	SPEARFISH B SAND

PERFORATIONS:

DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
90/08/15	1016.50 - 1022.50	SPEARFISH C	HSC	60 DEG	OPEN PERFS	16	COMP. NEUT

DRILL STEM TESTS:

NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-506.0			REDBEDS, SH
SPRA	SPEARFISH A SAND	-526.0			SLTST/SS
SPRB	SPEARFISH B SAND	-530.0			SLTST/SS
SPRC	SPEARFISH C SAND	-533.0		X	SLTST/SS
MSUC	MISSISSIPPIAN UNCONF	-544.0			ANHYDRITE DOL
MSPR	MISSISSIPPIAN POROSI	-547.0			LIMESTONE/DOL
FTD	F.T.D.	-559.0			

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100

PERIOD: 03

DAILY WELL REPORTING SYSTEM

WORKOVER PROGRAM

DATE: JAN 27, 1993
TIME: 09:55:26
PAGE: 3

FILE NOTE:

HOME SRO S. PIERSON
02-31-002-29 W1

2-31-2-29

HISTORY:

ROAD DIRECTIONS:

FROM PIERSON, MANITOBA - 4.8 KMS SOUTH,
4.8 KMS WEST. 3.2 KMS NORTH, 0.8 KMS
WEST, 0.4 KMS NORTH INTO LOCATION.

DRILLING HISTORY:

SPUD - 90-08-03
R.R. DATE - 90-08-08
CONTRACTOR - SIMMONS DRILLING
KB TO CSG FLANGE - 4.0 M

SURFACE HOLE:

SIZE: 311
CONDUCTOR BARREL - YES
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - YES
DENSITOMETER NOT FUNCTIONING
CORRECTLY

MAIN HOLE:

SIZE: 200
MUD SYSTEM TYPE - GEL CHEM
ABNORMAL DRILLING CONDITIONS - NO
ABNORMAL CEMENTING CONDITIONS - NO
PLUG DISPLACEMENT FLUID - WATER
LICENSED CEMENT TOP - TO SURFACE
CALCULATED CEMENT TOP - TO SURFACE
WELL CEMENTED: 90-08-08

1990-08-15

INITIAL COMPLETION. PERF'D SPEARFISH,
CONDUCT GELLED WATER SAND FRAC. PLACED
6.5 T. SAND IN FORMATION. SWAB 18 M3 LOAD
FLUID. INSTALLED ARTIFICIAL LIFT.

1991-07-12

RECOVER ROD STRING AND TUBING AND TRANSFER TO
14-11-2-29. WELL SUSPENDED.

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:56:20
PAGE: 1

FILE NOTE: PIER 90-166

WELL NAME:

HOME SCURRY S. PIERSON 4-31-2-29

WELL LOCATION:

LSD 04, SEC 31, TWP 002, RGE 29, W1

AFE NUMBER:

HOC 110426

FIELD OFFICE:

ELEVATIONS:

KB - 486.31
GRD - 482.11

DEPTHS:

TD - 1052.00
PBD - 1034.90 PERF TAG 91-01-23

SURFACE CASING:

10 JOINTS, 219.0 MM, 35.7 KG/M, JE, BRD ST&C, 132.4 M
CEMENTED WITH:
LEAD: 12.0 TONNES "G", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 131.0 M

INTERMEDIATE CASING:

NO INTERMEDIATE CASING

PRODUCTION CASING:

82 JOINTS, 139.7 MM, 20.8 KG/M, JE, BRD ST&C, 1052.4 M
CEMENTED WITH:
LEAD: 21.0 TONNES "G", 2.5 M3 RETURNS,
2:1:8 + .25% FRC-3
TAIL: 7.0 TONNES "G", M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
LANDED AT: 1052.0 M
CEMENT TOP AT: 1.0 M
FLOAT COLLAR AT: 1037.8 M

WELLHEAD:

CASING BOWL : HINDERLITER 273 MM 14 MPA X 219 MM CSG.
CB SIDE VALVES : 50.8 MM LP SURF VENT ASSY / OPPOSITE BULL PLUGGED
TUBING HEAD : T-16 SLIP ON, 179.4 MM 14 MPA X 139.7 MM CSG.
TH SIDE VALVES : WKM 50.8 MM LP BALL VALVE / OPPOSITE SIDE SAME
TH FLANGE : 179.4 MM 14 MPA X 73 MM EUE PIN X 73 MM EUE SUSP.
MASTER VALVE : STANDARD 73MM EUE X 38.1 MM PUMPING STYLE..

TUBING STRING:

QTY	DESCRIPTION	LENGTH(M)	TOP DEPTH(MKB)
1	73 MM EUE MULE SHOED CPLG	.10	1030.71
1	73 MM EUE ERW TUBING	9.51	1021.20
1	73 MM EUE PSN	.34	1020.86
107	73 MM EUE ERW TUBING	1015.99	4.87
1	73 MM EUE J-55 TUBING PUP	1.27	3.60
	KB TO TBG SPOOL	3.60	
TUBING BOTTOM AT: 1030.81 MKB			
TUBING HUNG FROM: TBG HEAD FLGE			
DATE RAN : 91/01/27			
IN: STRING WEIGHT			

DATE: JAN 27, 1993
TIME: 09:56:20
PAGE: 2

COMPLETION PROGRAM

FILE NOTE: PIER 90-166

HOME SCURRY S. PIERSON 4-31-2-29
04-31-002-29 W1

ROD STRING:

LENGTH(M)	TOP DEPTH(MKB)
10	10
20	20
30	30
40	40
50	50
60	60
70	70
80	80
90	90
100	100
110	110
120	120
130	130
140	140
150	150
160	160
170	170
180	180
190	190
200	200
210	210
220	220
230	230
240	240
250	250
260	260
270	270
280	280
290	290
300	300
310	310
320	320
330	330
340	340
350	350
360	360
370	370
380	380
390	390
400	400
410	410
420	420
430	430
440	440
450	450
460	460
470	470
480	480
490	490
500	500
510	510
520	520
530	530
540	540
550	550
560	560
570	570
580	580
590	590
600	600
610	610
620	620
630	630
640	640
650	650
660	660
670	670
680	680
690	690
700	700
710	710
720	720
730	730
740	740
750	750
760	760
770	770
780	780
790	790
800	800
810	810
820	820
830	830
840	840
850	850
860	860
870	870
880	880
890	890
900	900
910	910
920	920
930	930
940	940
950	950
960	960
970	970
980	980
990	990
1000	1000

QTY	DESCRIPTION
1	LTV BHP S/N H0DB 23, 73 X 31.8 RWAC 4.3 X 1.2
	MAX STROKE 256 CM, 19 MM X 0.6 M PICKUP PONY
4	38.1 MM X 6.1 M X 19 MM PIN SINKER BARS
72	19 MM PLAIN GRADE C SUCKER RODS
57	19 MM X 63.5 MM NYLON BONDED 6/RD GRADE C RODS
2	19 MM X 63.5 MM RVTON GUIDED GRADE D PONY RODS
	1 X 4.87 M, 1 X 0.6 M
1	31.8 MM X 6.7 M X 19 MM PIN POLISH ROD WITH
	38.1 MM X 3.01 M POLISH ROD LINER
DATE	RAN : 91/01/27

DATE LOG

COMPANY
JET PERFORATORS
COMPUTALOG
COMPUTALOG

INTERVAL (M)
950.00 - 1034.1
130.70 - 1049.9
130.70 - 1049.9

DATE	LOG
91/01/23	GAMMA RAY/COLLAR LOG
91/01/15	DUAL INDUCTION LATERAL
91/01/15	COMP. NEUTRON-LITHO-LOG

NO DATE

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	91/01/14	1016.00 - 1029.00	13.00	13.00	SPRA	SPEARFISH A SAND

CORES:

PERFORMANCES:	DATE	INTERVAL (M)	FORMATION	GUN TYPE	DIA	PERF STATUS	SHOTS/M	REFERENCE
	91/01/23	1018.00	SPEARFISH	A SAN HSC	120 DE	OPEN PERFS	13	COMP. NEUT
	91/01/23	1022.00	SPEARFISH	B SAN HSC	120 DE	OPEN PERFS	13	COMP. NEUT

DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAV	ZONE (M)	LITHOLOGY/COMMENTS
LAMR	LOWER AMARANTH	-511.0				SHALE, RD
SPRA	SPEARFISH A SAND	-532.0		X		SLTST, SS, SH
SPRB	SPEARFISH B SAND	-535.0		X		SLTST, SS, SH
SPRC	SPEARFISH C SAND	-537.0		X		SLTST, SS, SH
MSUC	MISSISSIPPIAN UNCONF	-548.0				ANHYDRITIC DOL
MSPR	MISSISSIPPIAN POROSI	-556.0				DOL/LS
FTD	F.T.D.	-563.0				

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:56:20
PAGE: 3

FILE NOTE: PIER 90-166

HOME SCURRY S. PIERSON 4-31-2-29
04-31-002-29 W1

HISTORY:

DRILLING HISTORY:

SPUD: 91-01-10
R.R. DATE: 91-01-15
CONTRACTOR: SIMMONS DRILLING #27
KB TO CSG FLANGE: 4.10 M

SURFACE HOLE:

SIZE: 311 MM
CONDUCTOR BARRELL: YES
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO

MAIN HOLE:

SIZE: 200 MM
MUD SYSTEM TYPE: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
PLUG DISPLACEMENT FLUID: WTR
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

DIRECTIONS TO LEASE: FROM SASK/MANITOBA BORDER ON HWY 3,
EAST 1.6 KM, SOUTH 1.6 KM, WEST 1.3 KM AND NORTH TO LOC.

1991-01-21

INITIAL COMPLETION. PERF'D SPEARFISH A,B
AND C SANDS. CONDUCT GELLED WATER SAND FRAC.
PLACED 4.9 T SAND IN FORMATION. SWAB RECOVER
16 M3 LOAD FLUID. INSTALLED ARTIFICIAL LIFT
(NEW 66 STRING GRADE C).

PGM: NW20100
PERIOD: 00

DAILY WELL REPORTING SYSTEM
PROGRAM

DATE: JAN 27, 1993
TIME: 10:07:54
PAGE: 1

FILE NOTE:

WELL NAME: HOME SCURRY S. PIERSON 12-31-2-29
WELL LOCATION: LSD 12, SEC 31, TWP 002, RGE 29, W1
LICENCE NO: 4272
AFE NUMBER: NOT FOUND
FIELD OFFICE:
ELEVATIONS: KB - 487.33
GRD - 483.13
DEPTHS: TD - 1046.00
PBTD - 0.00
SURFACE CASING: 11 JOINTS, 219.1 MM, 35.7 KG/M, J55, ST&C, 132.4 M
CEMENTED WITH:
LEAD: 15.0 TONNES "A", 2.0 M3 RETURNS,
0:1:0 + 3.00% CACL2
LANDED AT: 132.0 M

INTERMEDIATE CASING: NO INTERMEDIATE CASING

TUBING STRING: NO TUBING STRING IN HOLE
ROD STRING: NO ROD STRING IN HOLE

LOGS: DATE LOG
91/06/06 PHASOR INDUCTION - SFL
91/06/06 COMP. NEUTRON-LITHO-DENS.
INTERVAL (M)
132.00 - 1044.00
700.00 - 1036.00
COMPANY
SCHLUMBERGER
SCHLUMBERGER

CORES: NO CORES CUT
PERFORATIONS: NO PERFORATIONS PERFORMED
DRILL STEM TESTS: NO DSTS REQUESTED

FORMATIONS: CODE DESCRIPTION PROGNOSSED SS LOG TOPS PAY ZONE(M) LITHOLOGY/COMMENTS
LAMR LOWER AMARANTH -504.0 RED REDS, SLTST
SPRA SPEARFISH A SAND -525.0 SLTST, SS
SPRB SPEARFISH B SAND -528.0 SLTST, SS
SPRC SPEARFISH C SAND -530.0 SLTST, SS
MSUC MISSISSIPPIAN UNCONF -540.0 SLTST, SS
MSPR MISSISSIPPIAN POROSI -542.0 ANHYDRITIC DOL
FTD F.T.D. -555.0 DOL, LS

ARTIFICIAL LIFT EQUIPMENT: NO INFORMATION AVAILABLE

FILE NOTE:

HOME SCURRY GAINSBOROUGH

WELL LOCATION: LSD 01, SEC 36, TWP 002, RGE 30, W1

AFE NUMBER: H0C PEND

FIELD OFFICE:

ELEVATIONS:

KB - 486.90
GRD - 482.90

DEPTHS:

TD - 1035.00
PBTD - 1034.90

SURFACE CASING:

9 JOINTS, 244.5 MM, 48.1 KG/M, H-40, ST&C BRD, 117.4 M
CEMENTED WITH:
LEAD: 15.0 TONNES "A", 2.0 M3 RETURNS,
0:1:0 + 3.00% CALC2
LANDED AT: 117.0 M

INTERMEDIATE CASING:

78 JOINTS, 177.8 MM, 29.7 KG/M, J-55, ST&C BRD, 1010.5 M
CEMENTED WITH:
LEAD: 24.0 TONNES "A", M3 RETURNS,
1:1:4 + .25% FRC-3
TAIL: 8.0 TONNES " ", 6.0 M3 RETURNS,
0:0:0 + 1.00% CA-2 + .10% D3
LANDED AT: 1010.0 M
120.6MM OPEN HOLE COMPLETION 1010.0 TO 1034.9M

TUBING STRING:

NO TUBING STRING IN HOLE

ROD STRING:

NO ROD STRING IN HOLE

LOGS:

DATE	LOG	INTERVAL (M)	COMPANY
92/04/14	DUAL INDUCTION LATEROLOG	1009.80 - 1031.80	SCHLUMBERGER
92/04/14	COMP. NEUTRON-LITHO-DENS.	1009.80 - 1034.10	SCHLUMBERGER

CORES:

NO	DATE	INTERVAL (M)	CUT	REC'D	FORM	FORMATION DESCRIPTION
1	92/04/02	1017.00 - 1018.80	1.80	1.50	CRPT	CORE POINT
2	92/04/02	1018.80 - 1034.80	16.00	16.00	CRPT	CORE POINT

PERFORATIONS:

NO PERFORATIONS PERFORMED

DRILL STEM TESTS:

NO DSTS REQUESTED

PGM: NW20100

PERIOD: 02

DAILY WELL REPORTING SYSTEM

COMPLETION PROGRAM

DATE: JAN 27, 1993

TIME: 09:54:48

PAGE: 2

FILE NOTE:

HOME SCURRY GAINSBOROUGH
01-36-002-30 W1

FORMATIONS:

CODE	DESCRIPTION	PROGNOSSED SS	LOG TOPS	PAY ZONE(M)	LITHOLOGY/COMMENTS
SSPK	SECOND WHITE SPECKS	-50.0			
LAMR	LOWER AMARANTH	-507.0			SH
FRTD	FIRST TD	-523.0			SH
CRPT	CORE POINT	-526.0			SLTST SS
ASAN	"A" SAND	-528.0			SLTST, SS
BSAN	"B" SAND	-531.0			SLTST, SS
CSAN	"C" SAND	-533.0			SLTST, SS
BASC	BASE OF "C"	-538.0			SLTST
FTD	F.T.D.	-542.0			SH

ARTIFICIAL LIFT EQUIPMENT:

NO INFORMATION AVAILABLE

PGM: NW20100
PERIOD: 02

DAILY WELL REPORTING SYSTEM
COMPLETION PROGRAM

DATE: JAN 27, 1993
TIME: 09:54:48
PAGE: 3

FILE NOTE:

HOME SCURRY GAINSBOROUGH
01-36-002-30 W1

HISTORY:

DIRECTIONS TO LEASE:

FROM MANITOBA/SASKATCHEWAN BORDER ON HIGHWAY #18, 1.6 KMS
EAST ON HIGHWAY, 1.6 KMS SOUTH, THEN 1.8 KMS WEST & THEN
NORTH INTO LOCATION.

DRILLING HISTORY:

SPUD: 92-03-27
R.R. DATE: 92-04-
CONTRACTOR: SIMMONS DRILLING #27
KB TO CSG FLANGE: 4.20 M

SURFACE HOLE:
SIZE: 311 MM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO

MAIN HOLE:
SIZE: 200 MM
MUD SYSTEM TYPE: GEL CHEM
ABNORMAL DRILLING CONDITIONS: NO
ABNORMAL CEMENTING CONDITIONS: NO
LICENSED CEMENT TOP: SURFACE
CALCULATED CEMENT TOP: SURFACE

OPEN HOLE: 1009.8M TO 1034.9M
SIZE: 120.6MM
DRILLED OUT USING AIR/FOAM.

1992-04-14 INITIAL COMPLETION. RAN OPEN HOLE LOGS. WELL
SUSPENDED.

APPENDIX 'D'

South Pierson
Waterflood Application
February, 1993

Figure D-1

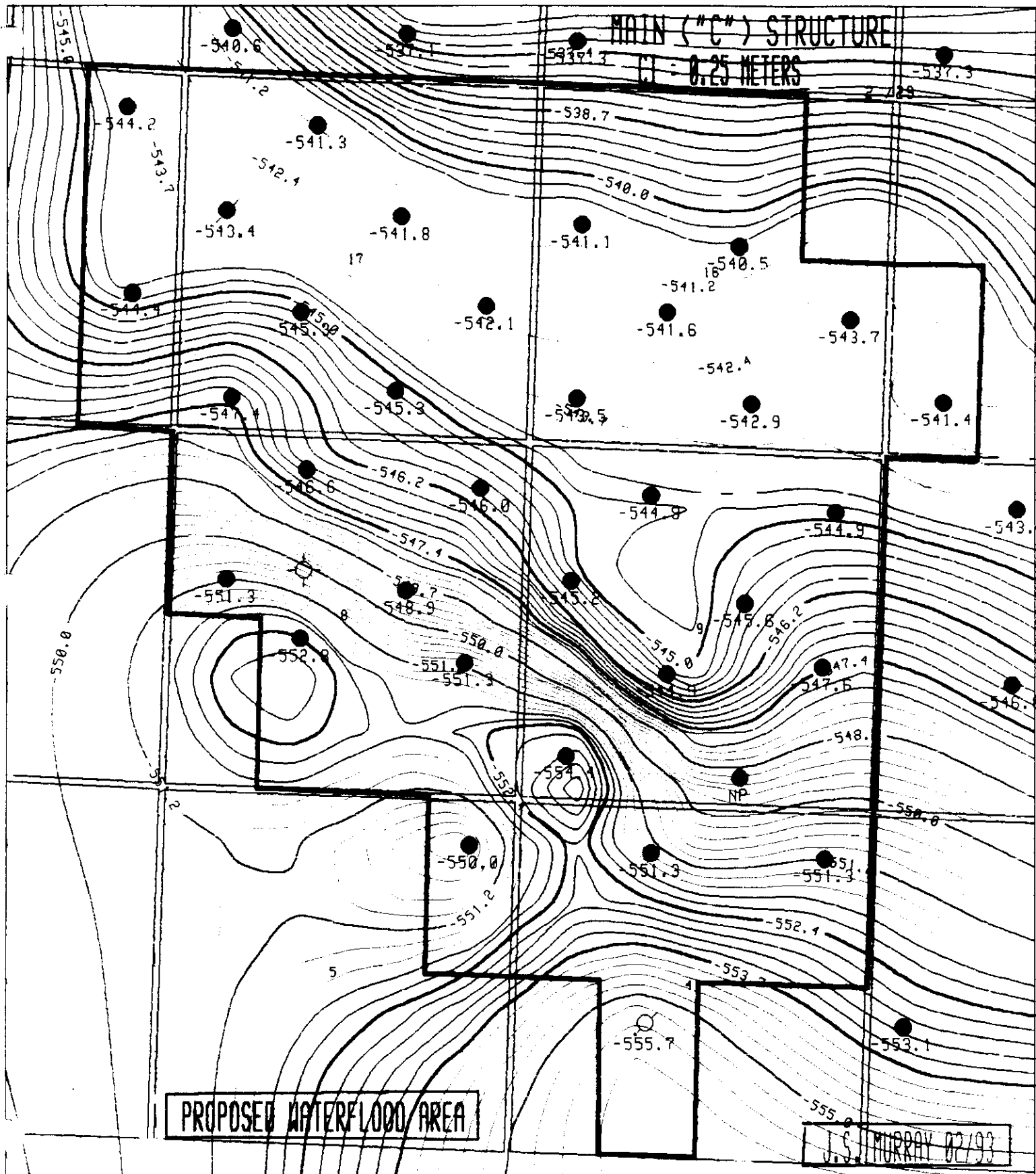


Figure D-2

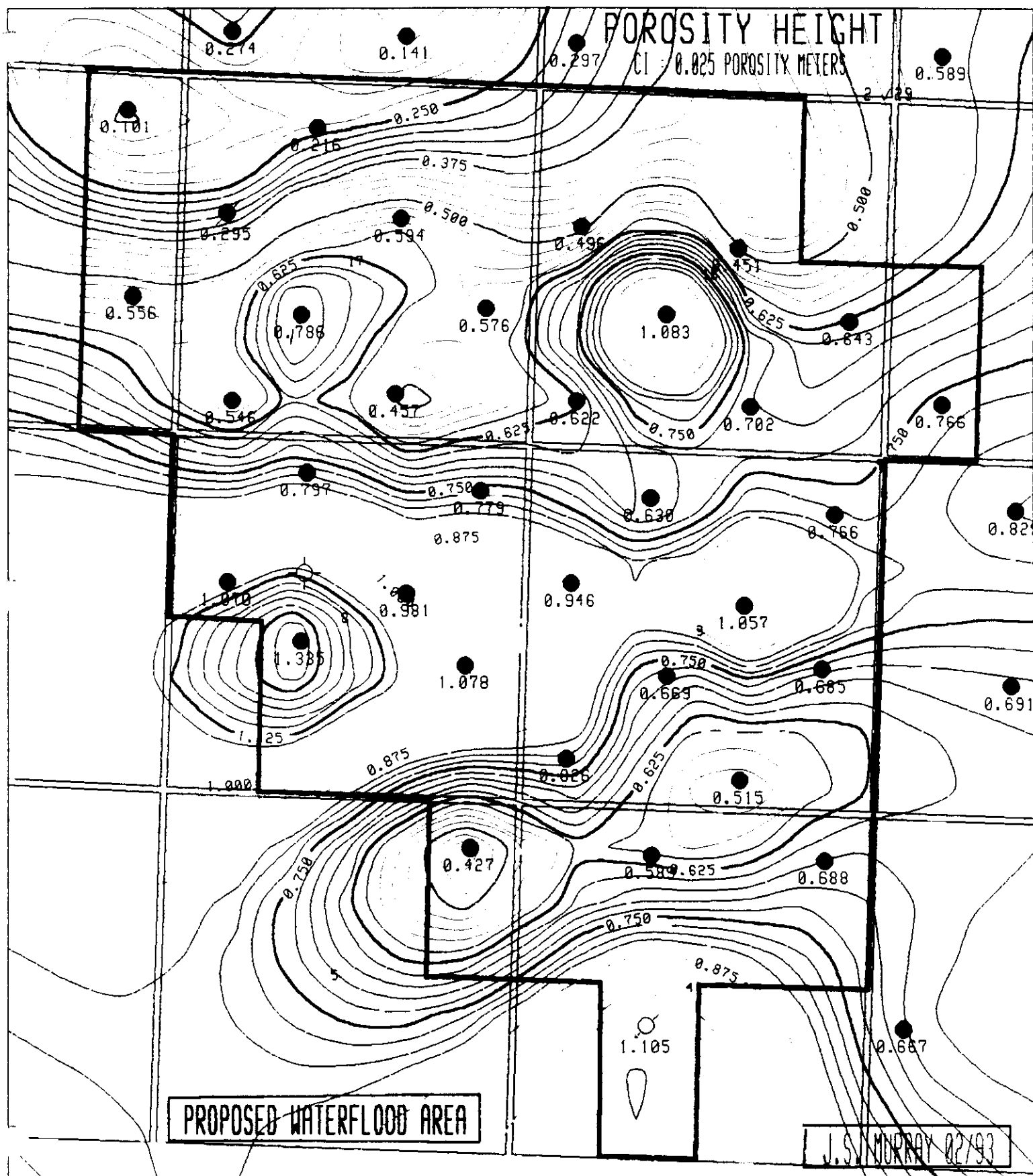


Figure D-3

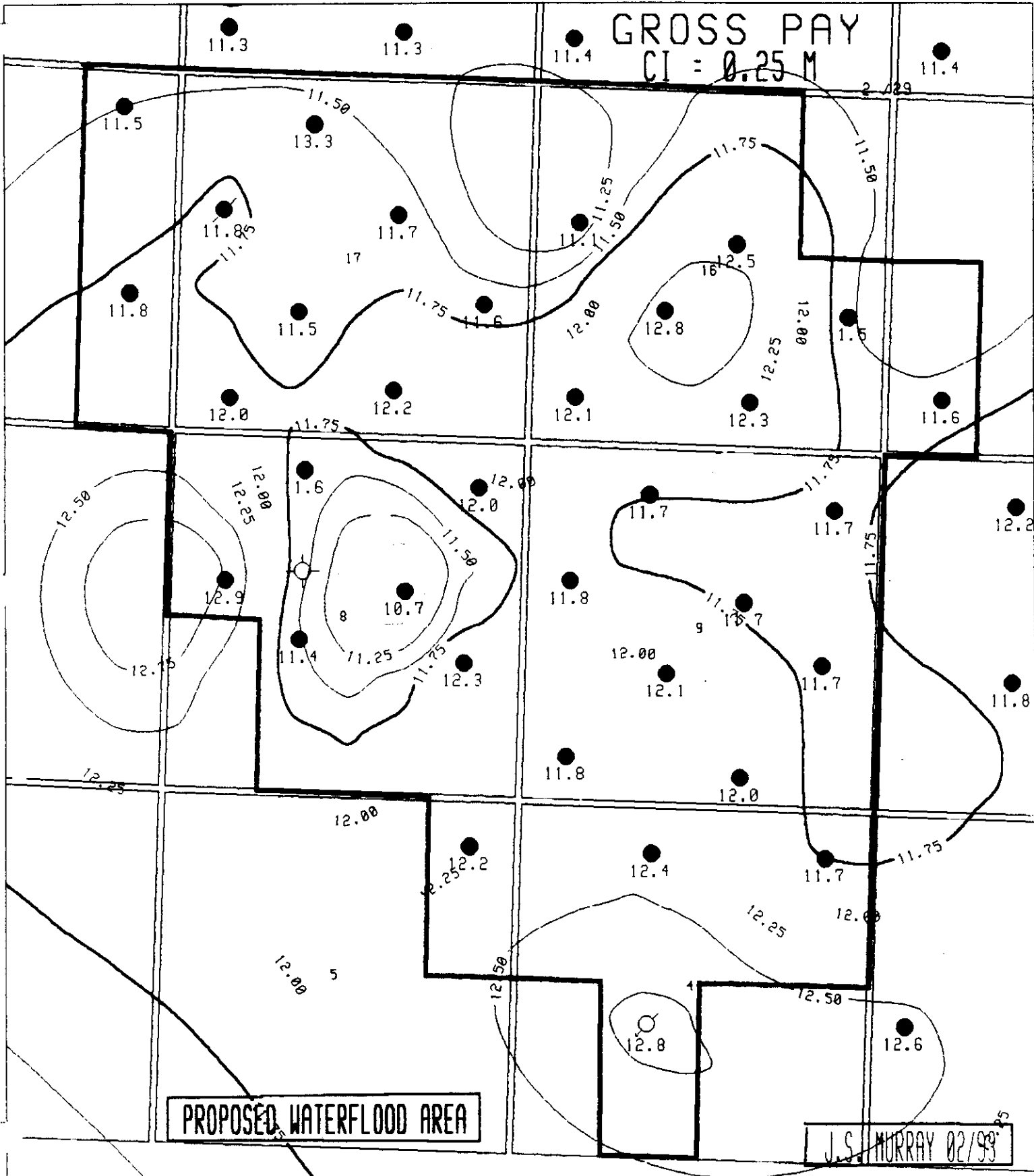
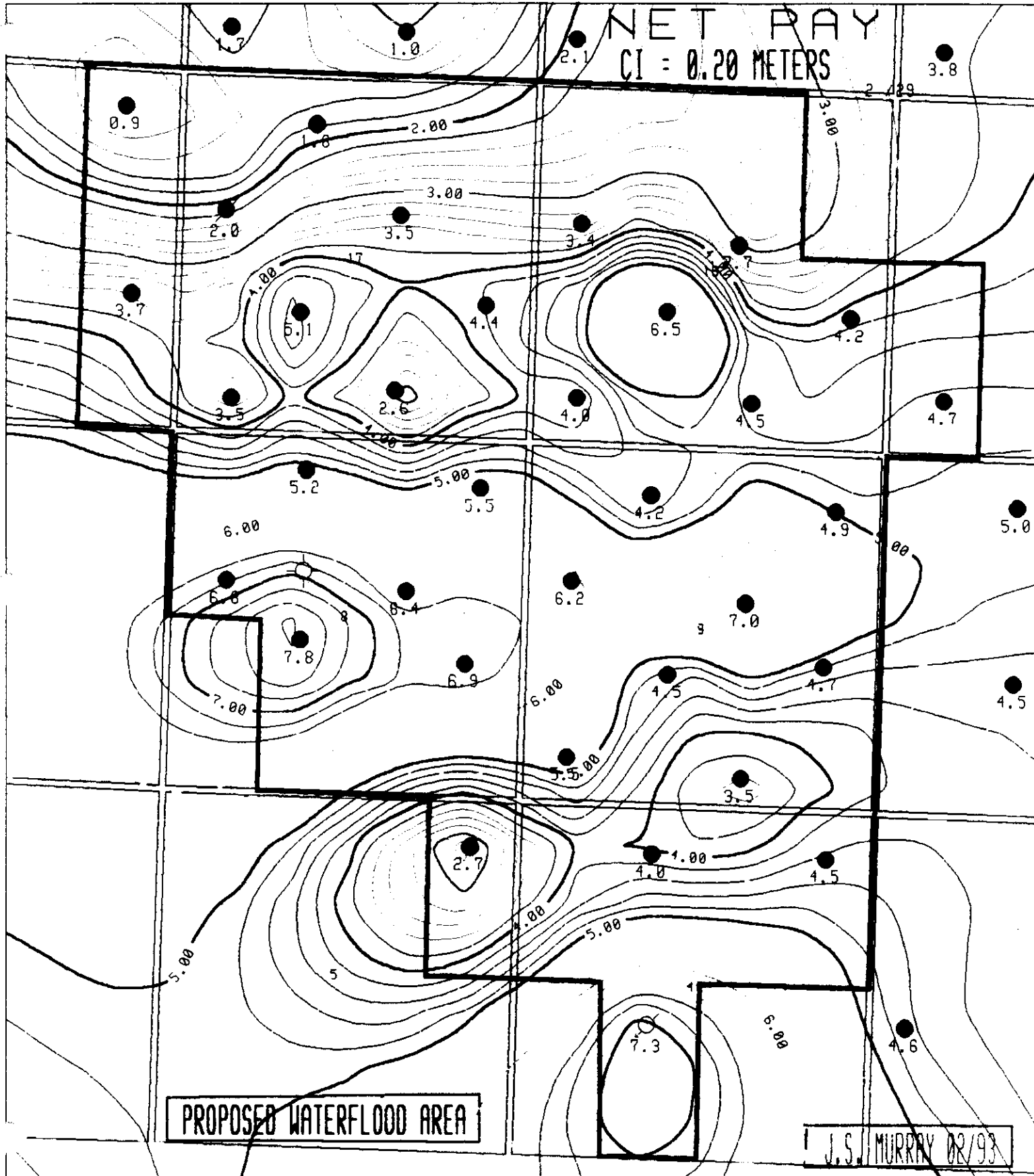


Figure D-4



APPENDIX 'E'

South Pierson
Waterflood Application
February, 1993

Figure E-1

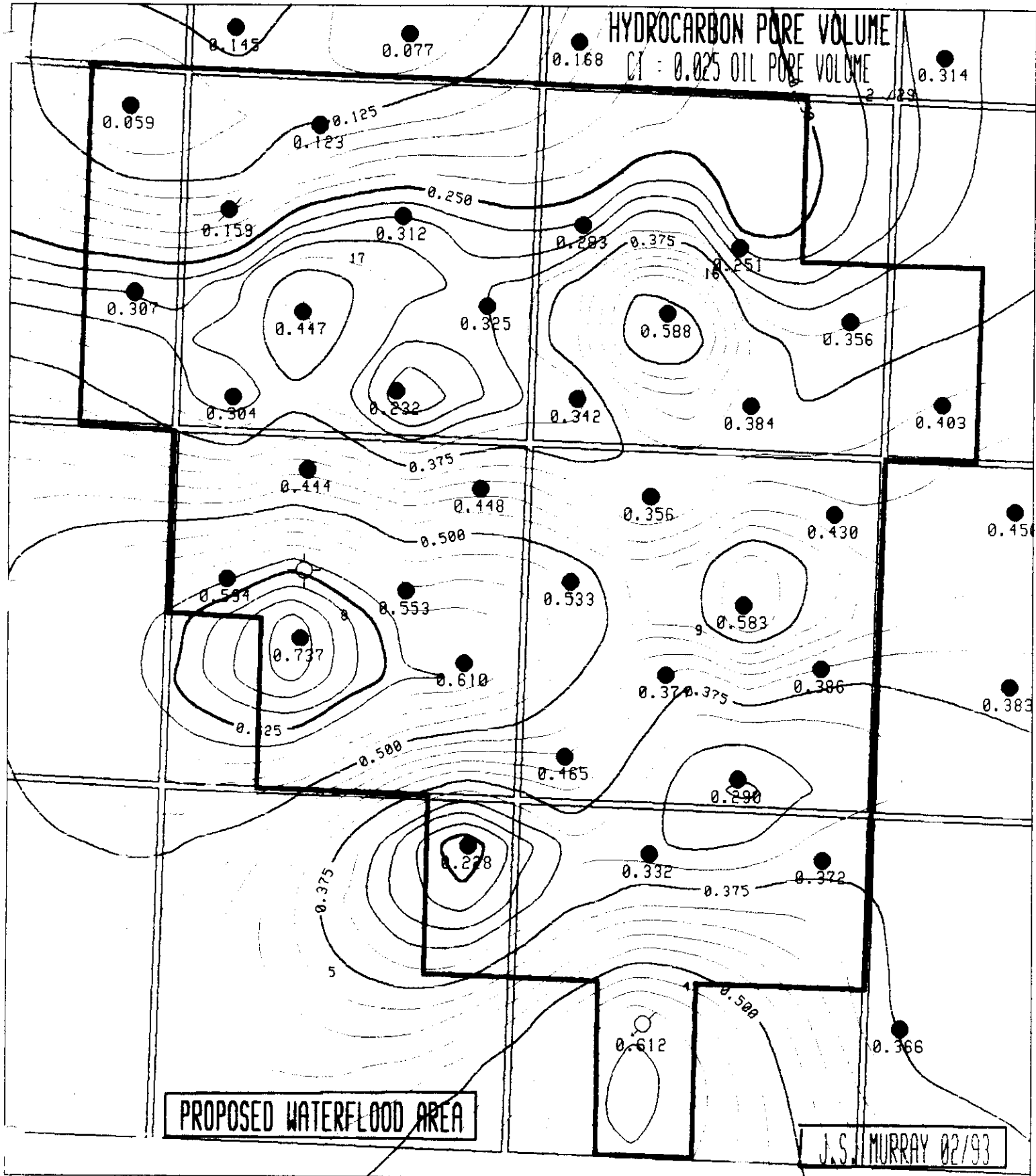
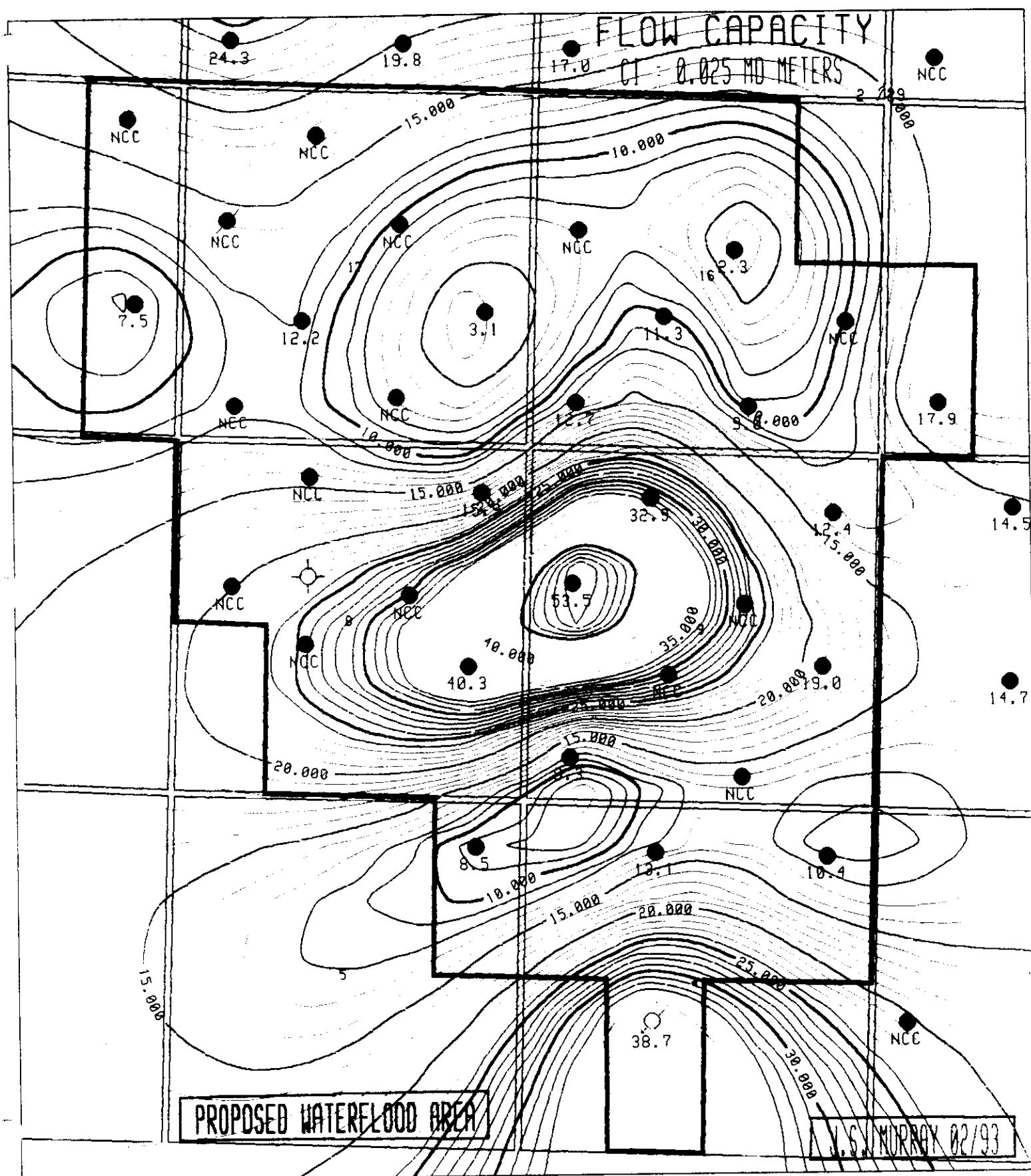


Figure E-2



APPENDIX 'F'

South Pierson
Waterflood Application
February, 1993

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

Linda J. Eikanger
Box 155
Pierson, Manitoba
R0M 1S0

Dear Madam,

RE: Salt Water Injection Into Production Well at 16-18-002-29 W1M

Home Oil Company Limited as Operator of above noted well, intend to convert it to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

David J. Southam
Box 14
Pierson, Manitoba
R0M 1S0

Dear Sir,

RE: Salt Water Injection Into Production Wells
12-08-002-29 W1M & 14-08-002-29 W1M

Home Oil Company Limited as Operator of above noted wells, intend to convert them to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

Larry A. Hammell
Box 2
Pierson, Manitoba
R0M 1S0

Dear Sir,

**RE: Salt Water Injection Into Production Wells 02-09-002-29 W1M
04-09-002-29 W1M, 06-09-002-29 W1M & 08-09-002-29 W1M**

Home Oil Company Limited as Operator of above noted wells, intend to convert them to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

John G. Kielhorn
13619 Klamath Falls Drive
Houston, Texas
77041

Dear Sir,

**RE: Salt Water Injection Into Production Wells 10-09-002-29 W1M
12-09-002-29 W1M, 14-09-002-29 W1M & 16-09-002-29 W1M**

Home Oil Company Limited as Operator of above noted wells, intend to convert them to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

Douglas D. Southam
Box 243
Melita, Manitoba
R0M 1L0

Dear Sir,

**RE: Salt Water Injection Into Production Wells
02-16-002-29 W1M & 08-16-002-29 W1M**

Home Oil Company Limited as Operator of above noted wells, intend to convert them to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

K.R.Daniels and G.Douglas
Box 21 Site 250,
RR1
Brandon, Manitoba
R7A 5H1

Dear Sirs,

RE: Salt Water Injection Into Production Well at 02-15-002-29 W1M

Home Oil Company Limited as Operator of above noted well, intend to convert it to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K.Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K.Johnson
D.A.Cairns
J.S.Murray
D.R.Gateman
E.L.Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-22

K.R.Daniels and G.Douglas
Box 21 Site 250,
RR1
Brandon, Manitoba
R7A 5H1

Dear Sirs,


RE: Salt Water Injection Into Production Well at 04-15-002-29 W1M

Home Oil Company Limited as Operator of above noted well, intend to convert it to salt water injection as part of a secondary oil recovery scheme in the surrounding area, not 02-15-002-29 W1M as indicated in our letter dated February 16, 1993. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED


for G.C.K.Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K.Johnson
D.A.Cairns
J.S.Murray
D.R.Gateman
E.L.Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

Amitobal Natural Resources
Wildlife Branch
Box 24, 1495 St.
Winnipeg, Manitoba
R3H 0W9

Dear Sirs,

RE: Salt Water Injection Into Production Well at 10-08-002-29 W1M
Drill and Convert to Salt Water Injection Well at 02-08-002-29 W1M

Home Oil Company Limited as Operator of the well at 10-08-002-29 W1M, intend to convert it to salt water injection. Home Oil also plans to drill a new well at 02-08-002-29 W1M and subsequently convert it to salt water injection. Both wells are part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

Albert Hammell
Box 102
Pierson, Manitoba
R0M 1S0

Dear Sir,

RE: Salt Water Injection Into Production Well at 16-04-002-29 W1M
Drill and Convert to Salt Water Injection Well at 10-04-002-29 W1M

Home Oil Company Limited as Operator of the well at 16-04-002-29 W1M, intend to convert it to salt water injection. Home Oil also plans to drill a new well at 10-04-002-29 W1M and subsequently convert it to salt water injection. Both are part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

John Hammell
Box 102
Pierson, Manitoba
R0M 1S0

Dear Sir,

RE: Salt Water Injection Into Production Well at 14-04-002-29 W1M
Drill and Convert to Salt Water Injection Well at 12-04-002-29 W1M

Home Oil Company Limited as Operator of the well at 14-04-002-29 W1M, intend to convert it to salt water injection. Home Oil also plans to drill a new well at 12-04-002-29 W1M and subsequently convert it to salt water injection. Both are part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

Gordon E. Murray
Box 134
Pierson, Manitoba
R0M 1S0

Dear Sir,

**RE: Salt Water Injection Into Production Wells
04-16-002-29 W1M & 06-16-002-29 W1M**

Home Oil Company Limited as Operator of above noted wells, intend to convert them to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

George A. Lee
Box 92
Pierson, Manitoba
R0M 1S0

Dear Sir,

RE: Salt Water Injection Into Production Well at 12-16-002-29 W1M
Drill and Convert to Salt Water Injection Well at 14-16-002-29 W1M

Home Oil Company Limited as Operator of the well at 12-16-002-29 W1M, intend to convert it to salt water injection. Home Oil also plans to drill a new well at 14-16-002-29 W1M and subsequently convert it to salt water injection. Both are part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

D.D.Southam and I.M.Southam
Box 128
Melita, Manitoba
R0M 1L0

Dear Sir/Madam,

**RE: Salt Water Injection Into Production Wells 02-17-002-29 W1M
04-17-002-29 W1M, 06-17-002-29 W1M & 08-17-002-29 W1M**

Home Oil Company Limited as Operator of above noted wells, intend to convert them to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K.Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K.Johnson
D.A.Cairns
J.S.Murray
D.R.Gateman
E.L.Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

Gregory Riddell
Box 253
Pierson, Manitoba
R0M 1S0

Dear Sir,

**RE: Salt Water Injection Into Production Well at 10-17-002-29 W1M
Drill and Convert to Salt Water Injection Well at 16-17-002-29 W1M**

Home Oil Company Limited as Operator of the well at 10-17-002-29 W1M, intend to convert it to salt water injection. Home Oil also plans to drill a new well at 16-17-002-29 W1M and subsequently convert it to salt water injection. Both are part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

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Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

John P. Campbell
Box 84
Pierson, Manitoba
R0M 1S0

Dear Sir,

RE: Salt Water Injection Into Production Wells
12-17-002-29 W1M & 14-17-002-29 W1M

Home Oil Company Limited as Operator of above noted wells, intend to convert them to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

Anthony McMechan
Box 201
Pierson, Manitoba
R0M 1S0

Dear Sir,

RE: Salt Water Injection Into Production Well at 10-16-002-29 W1M

Home Oil Company Limited as Operator of above noted well, intend to convert it to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

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Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

Estate of Doris Smith
Box 122
Pierson, Manitoba
R0M 1S0

To Whom It May Concern,

RE: Salt Water Injection Into Production Well at 16-05-002-29 W1M

Home Oil Company Limited as Operator of the well at 16-05-002-29 W1M, intend to convert it to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

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Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

Home Oil Company Limited

1600 Home Oil Tower
324 Eighth Avenue S.W.
Calgary, Alberta T2P 2Z5
Telephone (403) 232-7100
Fax (403) 232-7678



1993-02-16

Ralph J. Wang
Box 104
Pierson, Manitoba
R0M 1S0

Dear Sir,

RE: Salt Water Injection Into Production Well at 08-18-002-29 W1M

Home Oil Company Limited as Operator of above noted well, intend to convert it to salt water injection as part of a secondary oil recovery scheme in the surrounding area. Under the Manitoba Energy and Mines, Provincial Acts and Regulations pertaining to the Petroleum Industry in reference to Enhanced Recovery Operations Item 126(d), Drilling and Production section; Home Oil is required to advise all surface owners within the proposed scheme area of our intentions.

If you require further information, please contact me at (403) 232-7370 or Mr. Eugene Doherty at (403) 232-7376.

Yours truly,

HOME OIL COMPANY LIMITED

G.C.K. Johnson, P.Eng.
District Co-Ordinator
Southern Production

ELD/eld

cc: G.C.K. Johnson
D.A. Cairns
J.S. Murray
D.R. Gateman
E.L. Doherty
Pier Corr

APPENDIX 'G'

South Pierson
Waterflood Application
February, 1993

Reserves Determination and Estimated Recoveries

In November, 1992 the reserves were re-evaluated using production decline analysis. Production declines for all wells in the waterflood area are given in Figures G-1 to G-35. Several wells which had been recently drilled (ie: 14-08, 02-09, 06-09, 10-09 and 10-08-002-29 W1M) were given an averaged decline from the surrounding wells. Table G-1 gives the result of this analysis for each D.S.U. within the waterflood area. Reserves were recommended for both the Lower Amaranth and the Mississippian formations. Original Oil in Place (OOIP) was calculated for each D.S.U. based on 32.4 Ha spacing, 14% average porosity, 55% initial oil saturation and a formation volume factor (Bo) of 1.196. The differences in average porosity and formation volume factor from the original reserve determinations are a result of core analysis studies, mapping and conclusions drawn from the waterflood study. The initial oil saturation and Bo are currently being re-evaluated through further core analysis. Results of this analysis will be incorporated into both the reserve determinations and waterflood predictions and the results will be forwarded to the Crown.

Recoverable Oil in Place (ROIP) under primary depletion was calculated by multiplying the OOIP by a recovery factor of 10.6 % (from Tracey Turner predictions). A rate/cum production estimate was then determined and the difference in the two values was calculated. This difference was assumed to be due to production from the underlying Mission Canyon formation and was assigned to it. Because of the lack of log coverage across the Mission Canyon, reserves for the Mission Canyon have to be determined in this manner. From Tracey Turner predictions, the waterflood is expected to add approximately 20% incremental reserves in the lower Amaranth. As development of the Pierson field will be done gradually, these reserves were divided in half (for internal purposes) and assigned to the probable and possible categories. Once patterns are developed, the reserves in the probable category will be assigned as proven and reserves in the possible category will be assigned as probable. This step approach to reserves addition is being done due to the time required to water breakthrough. As waterflood response becomes more evident in the production data, the remaining reserves will be assigned as proven. Actual recoveries to date are also given in Table G-1.

Table G-1

SOUTH PIERSON - INDIVIDUAL WELL DECLINE ANALYSIS

WELL LOCATION	STATUS	O.O.L.P.** (10M3)	R.O.L.P.† (M3)	RATE/CUM CUM PROD(M3) ESTIMATE	RATE/CUM - R.O.L.P.	RECOVERY %	RECOMMENDED RESERVES (LA)				RECOMMENDED RESERVES (MISS)		ACTUAL RECOVERY (M3)
							PROVEN	PROBABLE	POSSIBLE	DEVELOPED	UNDEVELOPED	PROBABLE	
06-04-002-29 W1M	SUSP	180	19,064	115	-18,949	0.06	115	18,949					115
10-04-002-29 W1M	UNDRILLED	81	8,883		-8,883		8,883						0
12-04-002-29 W1M	UNDRILLED	112	11,842		-11,842		11,842				5,163		0
14-04-002-29 W1M	PROD	88	9,883	15,453	6,568	18.10	9,283			6,568			6,387
16-04-002-29 W1M	PROD	77	8,205	3,900	-4,305	4.26	3,900	4,905		9,728			2,139
18-04-002-29 W1M	PROD	132	11,842	15,606	3,764	13.96	11,842					4,426	9,791
02-08-002-29 W1M	UNDRILLED	91	9,729		-9,729		9,729						0
06-08-002-29 W1M	PROD	76	8,453	14,453	6	16.66	8,453						1,848
08-08-002-29 W1M	PROD	92	9,729	19,250	9,521	20.97	9,729			9,521			10,549
10-08-002-29 W1M	PROD	98	10,390	15,400	5,010	15.78	10,390			5,010			1,888
12-08-002-29 W1M	PROD	96	10,286	3,693	-6,593	3.84	3,693	6,513					1,635
14-08-002-29 W1M	PROD	83	8,673	3,600	-5,073	17.63	3,600			1,200			1,170
16-08-002-29 W1M	PROD	102	10,764	8,772	-1,992	8.64	8,772	1,992		4,392			8,772
02-09-002-29 W1M	PROD	90	9,729	3,200	-6,529	22.84	3,200			1,275			3,025
04-09-002-29 W1M	PROD	69	7,225	8,600	1,375	12.45	7,225			1,275			5,417
06-09-002-29 W1M	PROD	48	5,887	25,478	17,591	47.36	17,591			17,591			3,003
08-09-002-29 W1M	SUSP (MISS)	52	5,213	3,903	-1,310	6.72	2,401	2,020					2,401
10-09-002-29 W1M	SUSP (LA)	88	9,225	4,814	-4,411	2.94	2,814	3,248					1,101
12-09-002-29 W1M	PROD	90	9,511	12,793	3,282	14.26	9,511			3,282			240
14-09-002-29 W1M	PROD	119	13,643	22,099	8,456	18.64	12,643			8,456			3,318
16-09-002-29 W1M	PROD	76	8,051	12,870	4,819	16.95	8,051			4,819			7,382
04-15-002-29 W1M	PROD	115	12,164	18,500	6,337	16.12	12,164			14,314			13,905
06-15-002-29 W1M	PROD	75	9,687	16,500	6,813	14.48	14,48			6,337			12,336
08-15-002-29 W1M	PROD	68	7,253	11,600	4,347	16.95	7,253			2,813			5,429
10-15-002-29 W1M	PROD	104	11,813	18,237	6,424	9.94	18,237			4,347			4,978
12-15-002-29 W1M	PROD	85	9,348	2,000	-7,348	3.67	2,000	1,577					4,282
04-16-002-29 W1M	SUSP (MISS)	25	2,621	1,044	-1,577	4.22	859	3,940					859
06-16-002-29 W1M	PROD	96	10,184	10,955	771	11.40	10,184						1,419
08-16-002-29 W1M	PROD	107	11,394	4,030	-7,364	4.14	4,030	6,884					358
10-16-002-29 W1M	UNDRILLED	83	8,848		-8,848		8,848						1,358
12-16-002-29 W1M	UNDRILLED	120	12,765	7,600	-5,165	6.19	7,600						0
04-17-002-29 W1M	PROD	69	7,225	3,370	-3,855	4.88	3,370	3,555					3,374
06-17-002-29 W1M	PROD	85	10,003	2,806	-7,197	2.42	2,806	7,281					1,396
08-17-002-29 W1M	PROD	61	6,465	3,439	-3,026	5.64	3,439	3,026					1,525
10-17-002-29 W1M	PROD	86	9,897	2,200	-7,697	2.36	2,200	6,697					1,073
12-17-002-29 W1M	PROD	35	3,761	2,090	-1,671	7.02	2,090	1,271					1,041
04-18-002-29 W1M	UNDRILLED	83	8,848		-8,848		8,848						0
06-18-002-29 W1M	PROD	84	8,858	4,444	-4,414	5.32	4,444	4414					1,911
08-18-002-29 W1M	PROD	45	4,735	3	-4,732	0.02	3	4,726					9

10% INCREMENTAL PROBABLE WATERFLOOD RESERVES

342,200

10% INCREMENTAL POSSIBLE WATERFLOOD RESERVES

342,200

TOTAL WATERFLOOD

342

342,740

317,471

10.71

228,795

48,550

433,623

342,200

94,620

5,163

4,426

123,153

Figure G-1

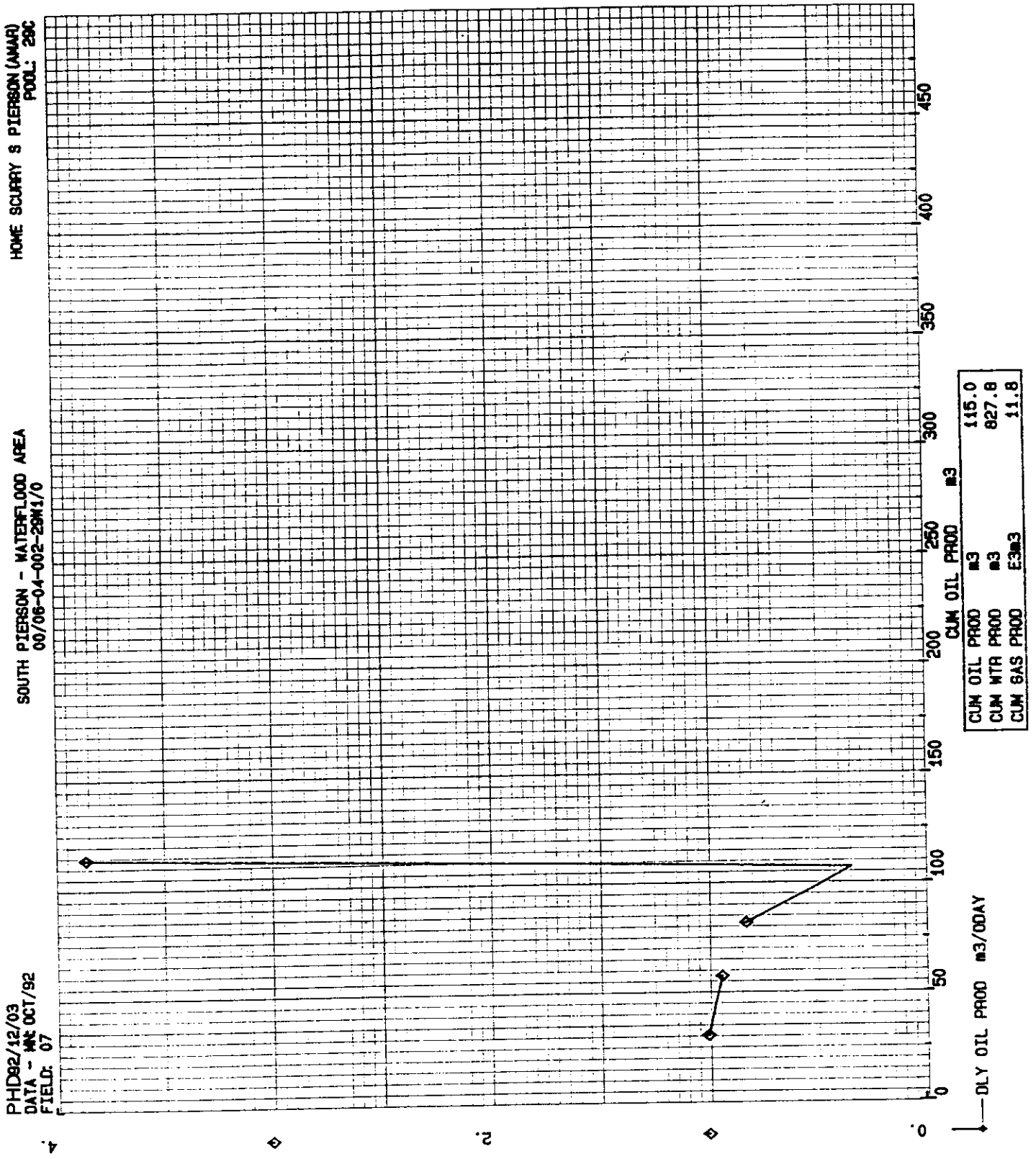


Figure G-2

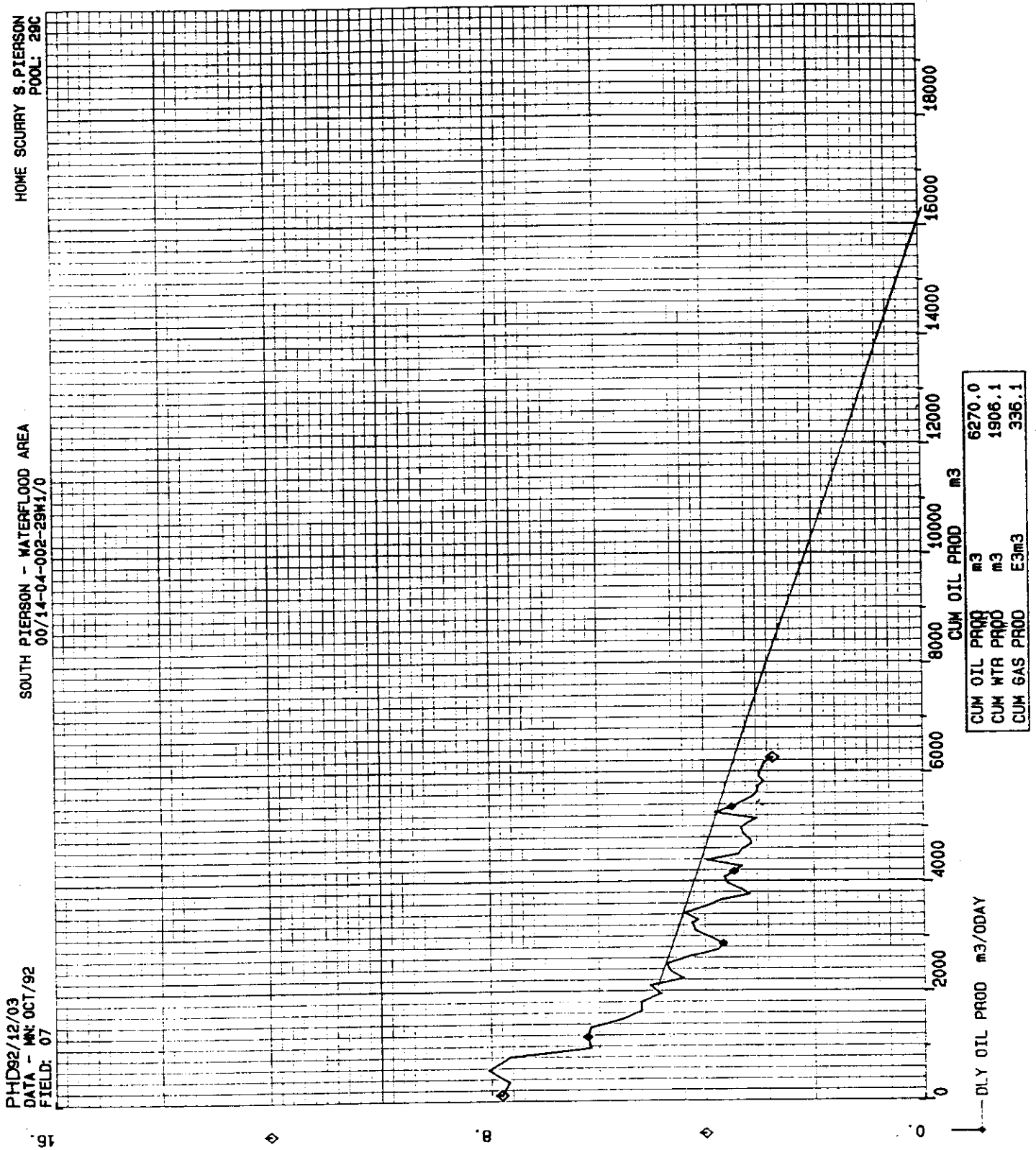
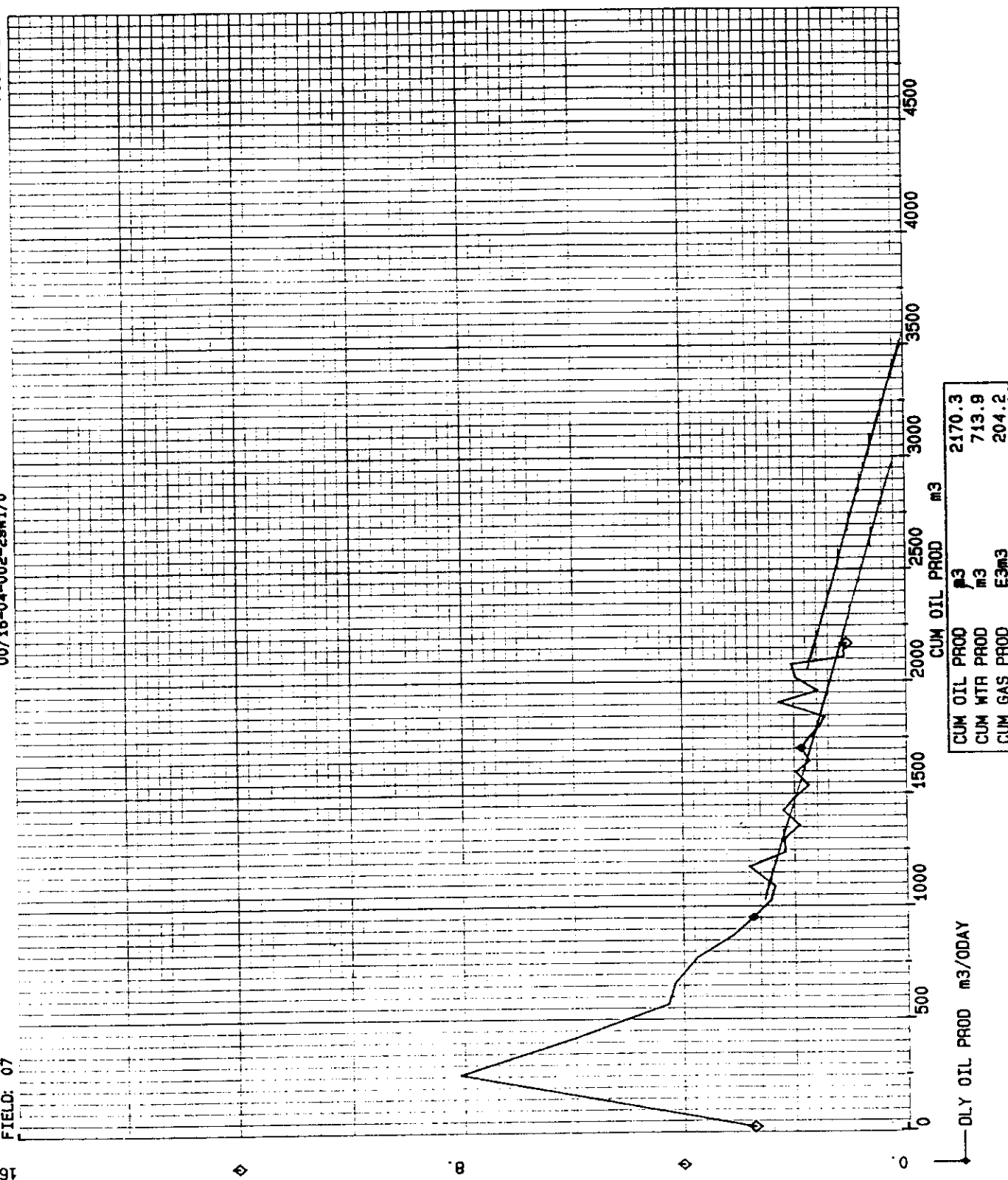


Figure G-3

HOME SRO S PIERSON PROV 16-4-2-29
POOL: 29C

SOUTH PIERSON - WATERFLOOD AREA
00/16-04-002-29M1/0

PHD92/12/03
DATA - WNT OCT/92
FIELD: 07



CUM OIL PROD	2170.3
CUM WTR PROD	713.9
CUM GAS PROD	204.2

Figure G-4

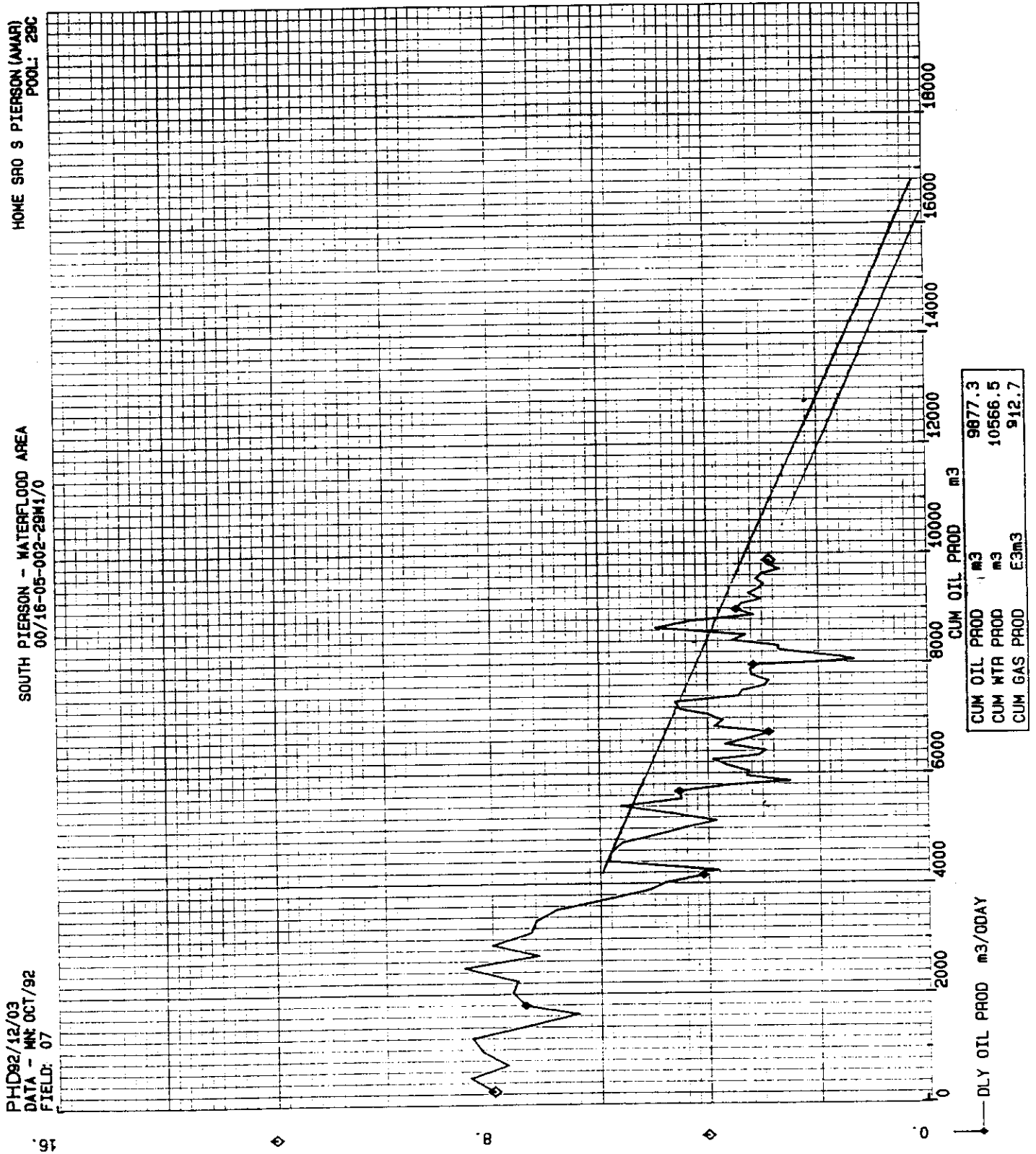
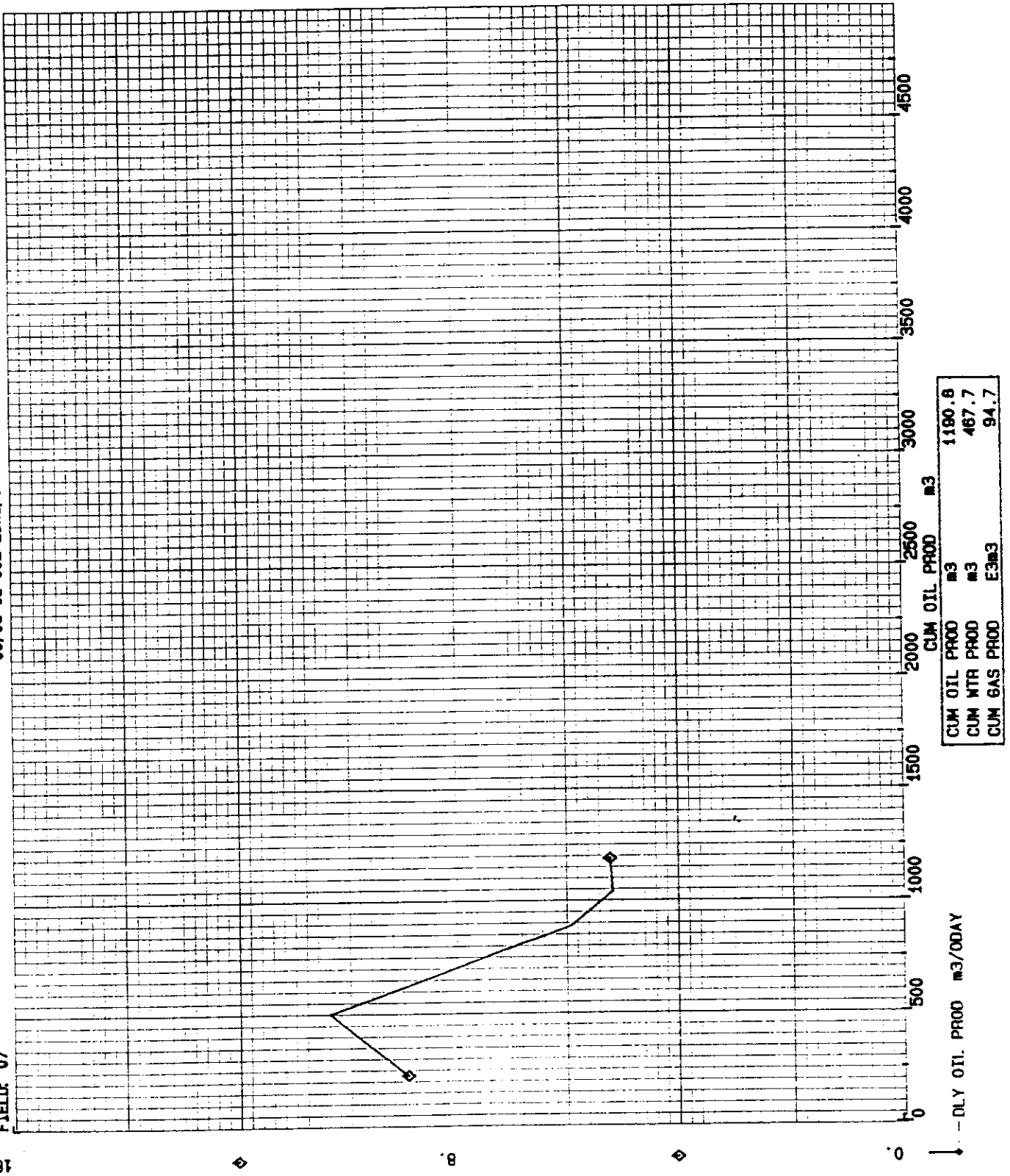


Figure G-5

HOME SCURRY PIERSON 6-6-2-29 M1
POOL: 29C

SOUTH PIERSON - WATERFLOOD AREA
00/06-08-002-29M1/0

PHID82/12/03
DATA - M1 OCT/92
FIELD: 07



CUM OIL PROD	m3	1190.8
CUM NTR PROD	m3	467.7
CUM GAS PROD	E3m3	94.7

- DLY OIL PROD m3/DDAY

Figure G-6

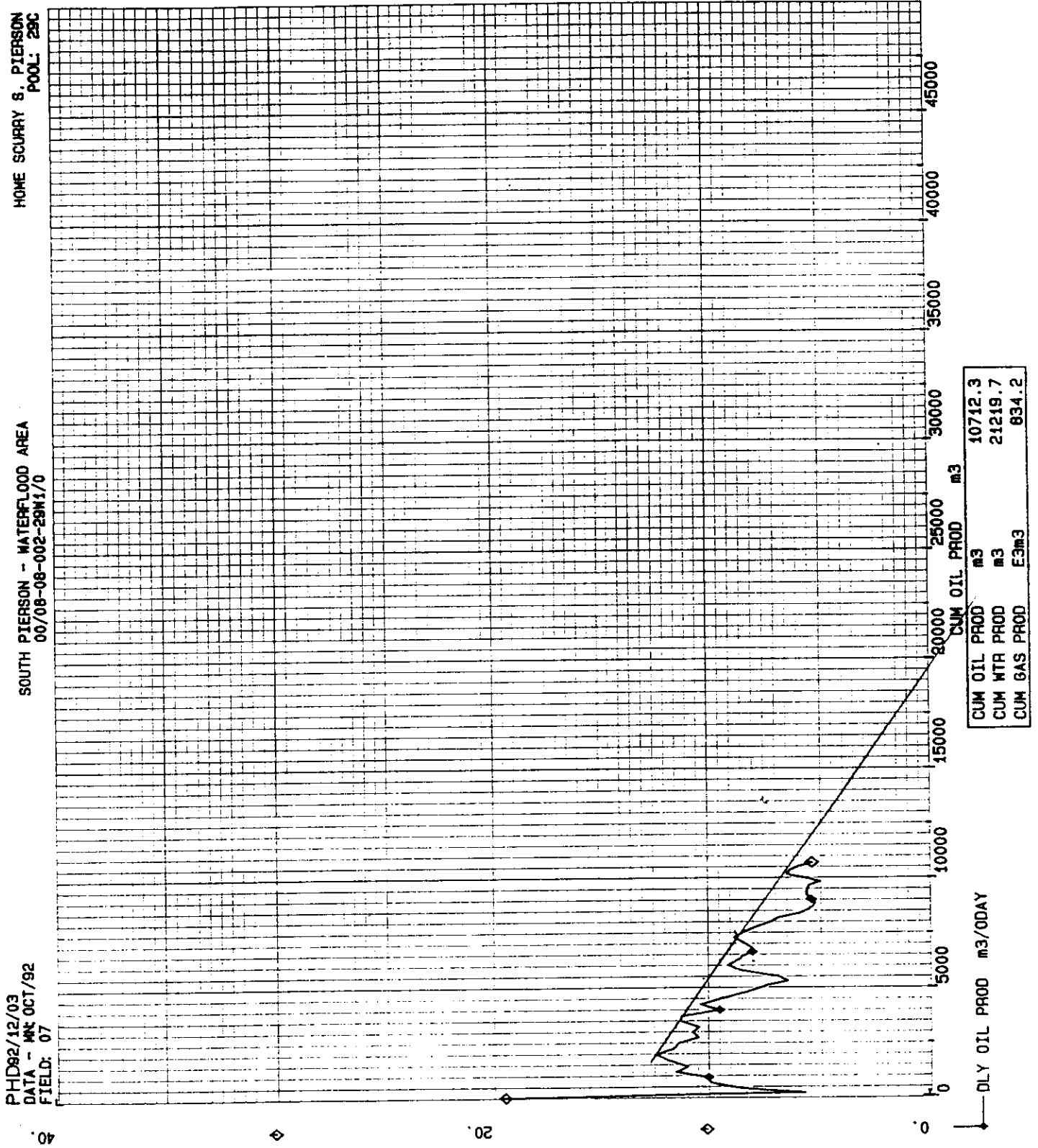


Figure G-7

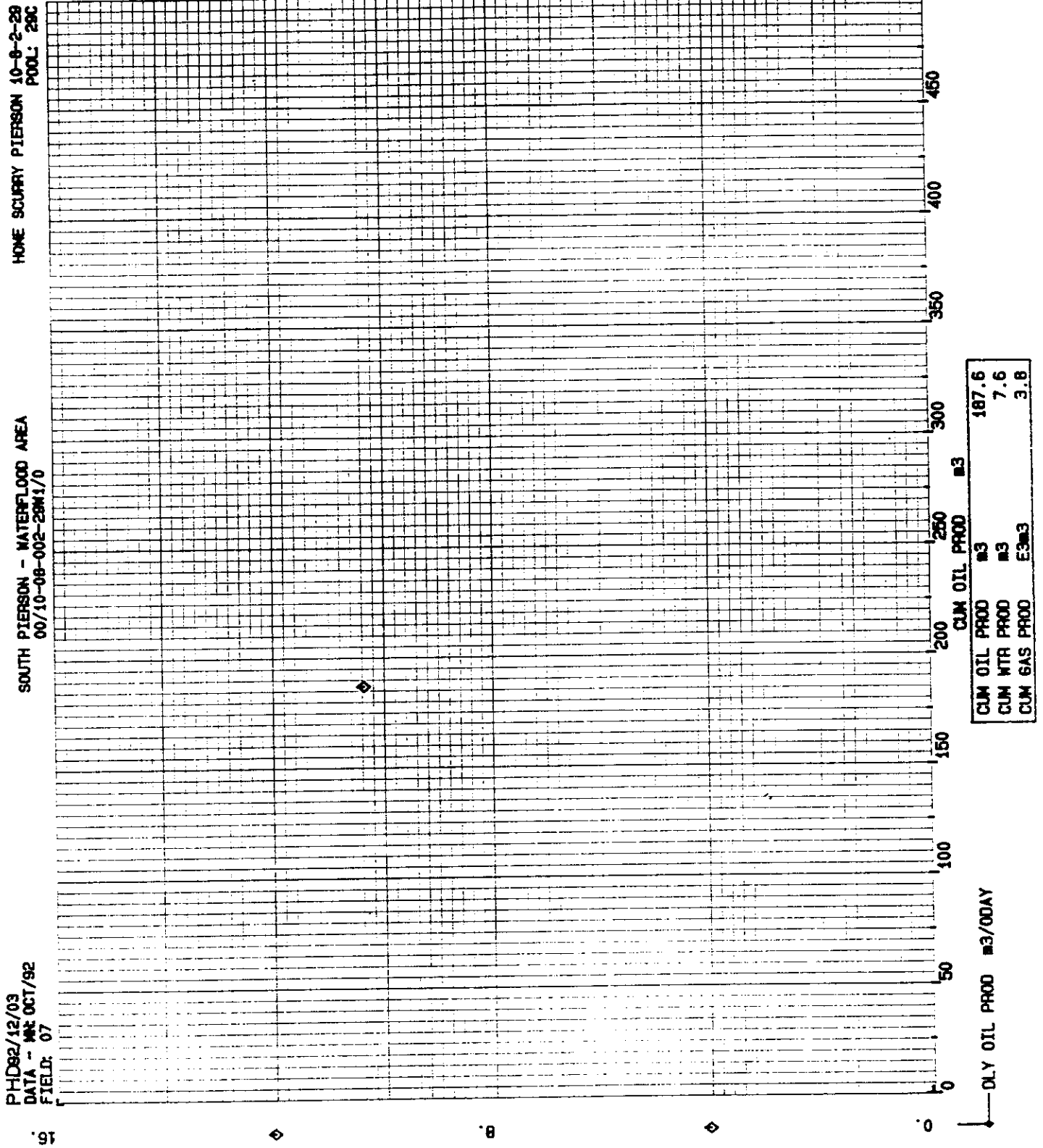


Figure G-8

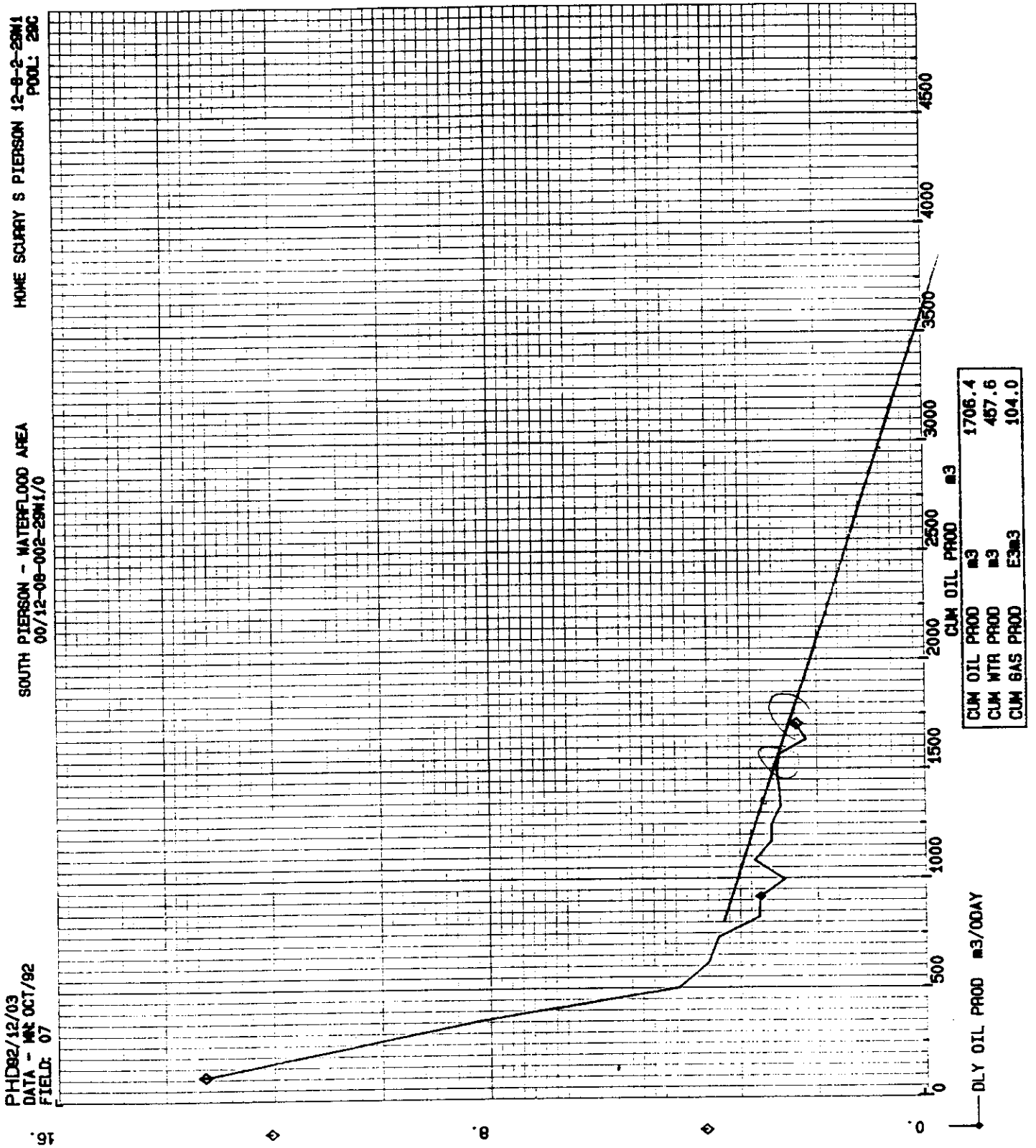


Figure G-9

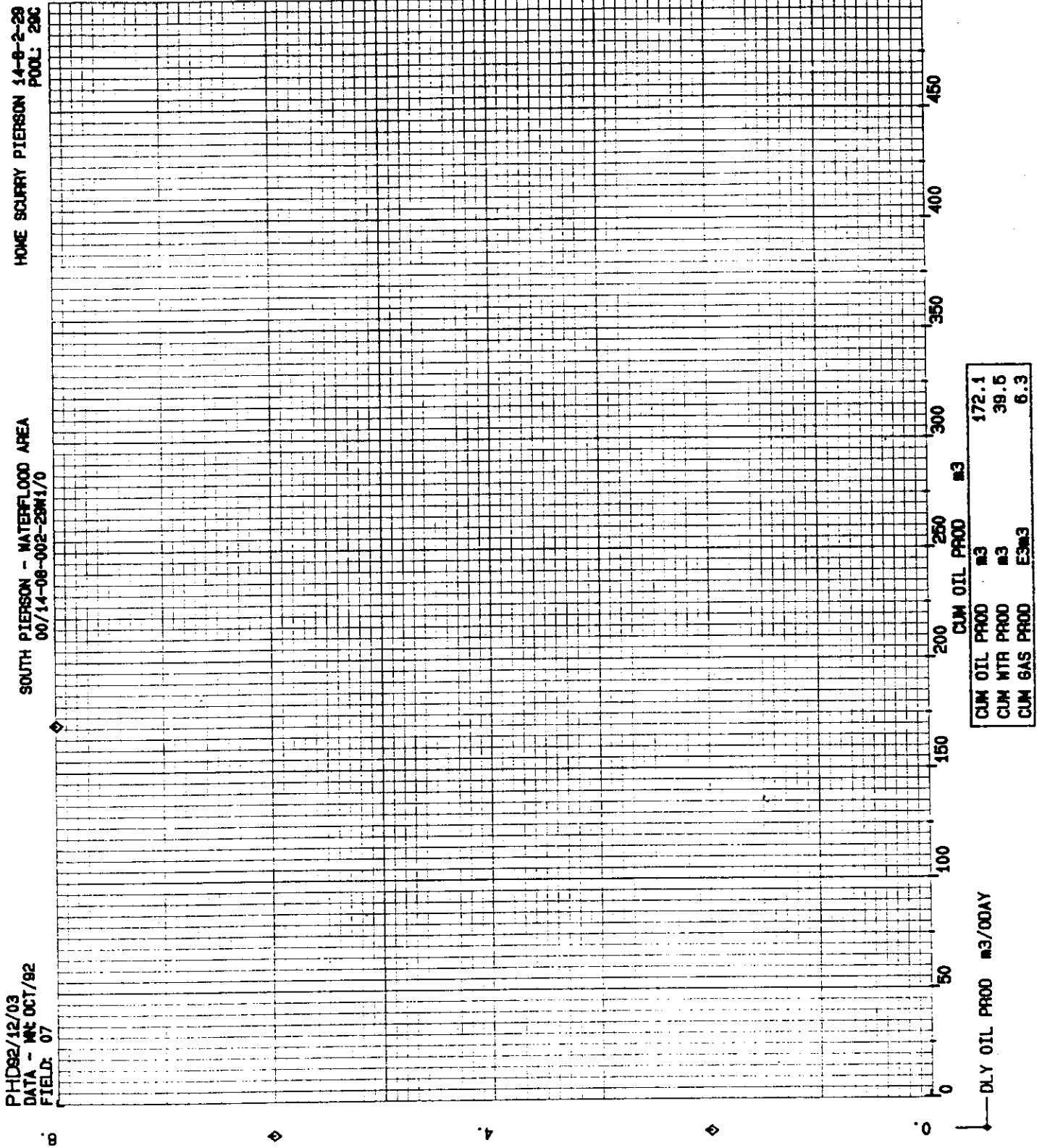


Figure G-10

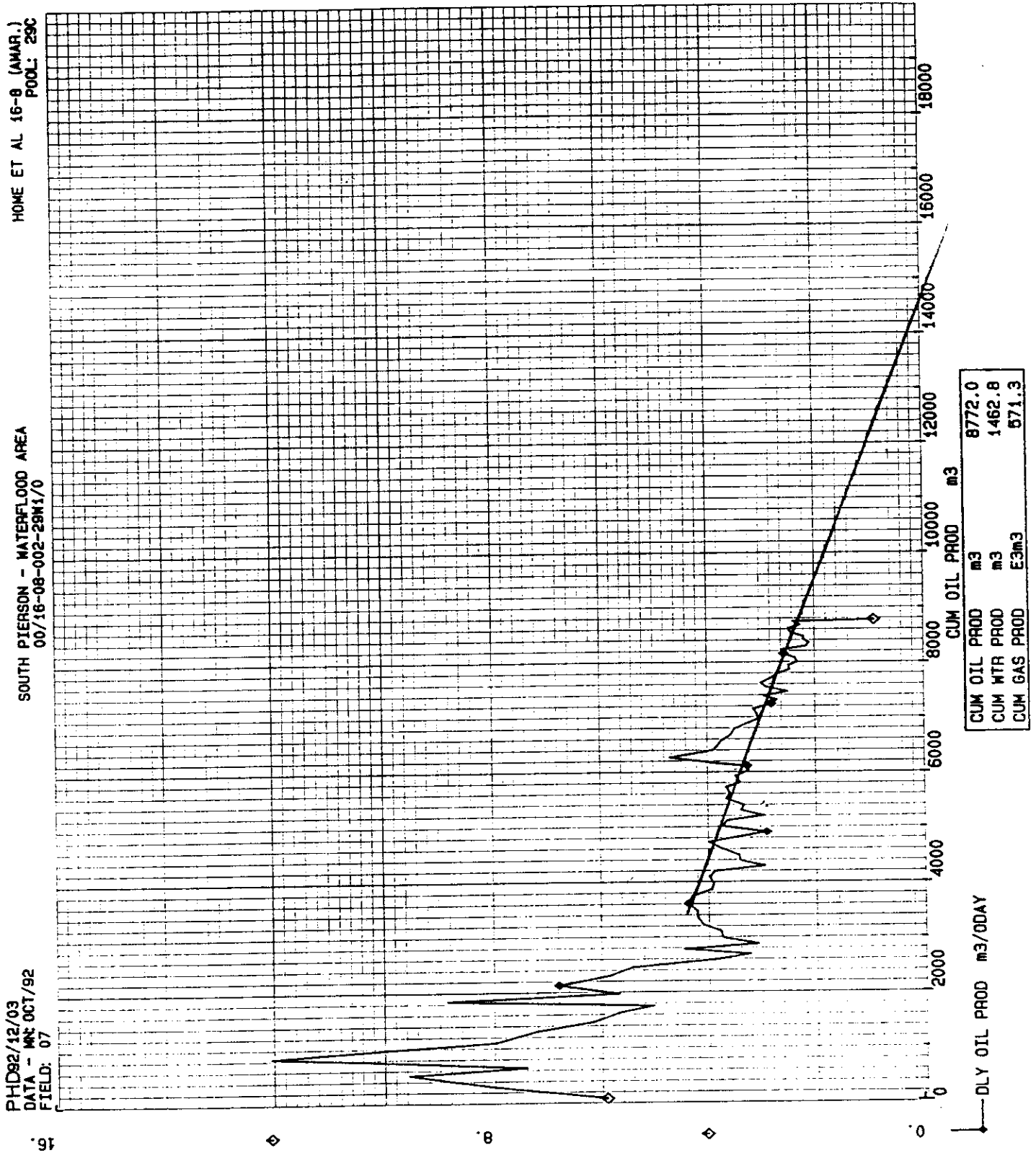


Figure G-11

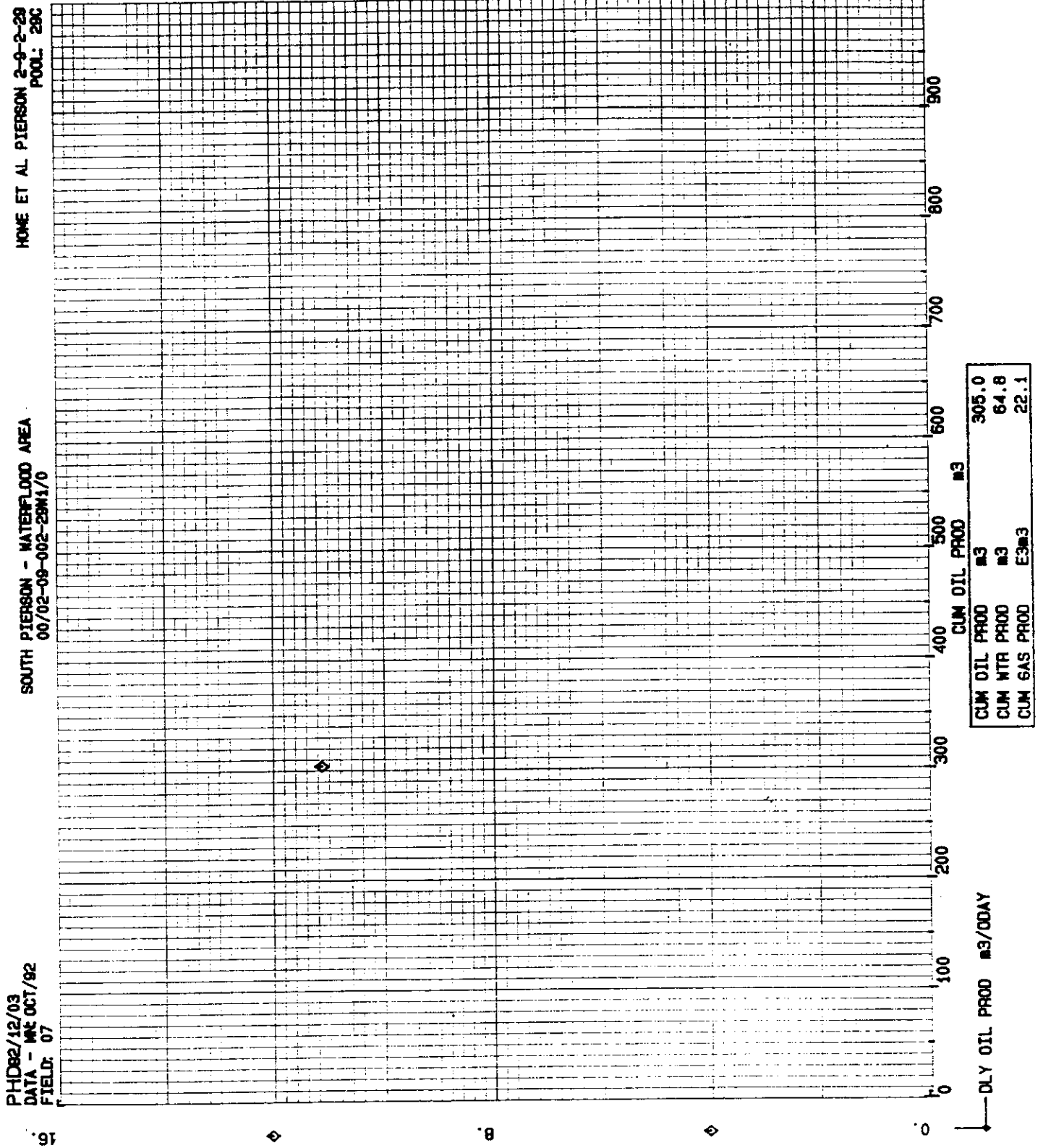


Figure G-12

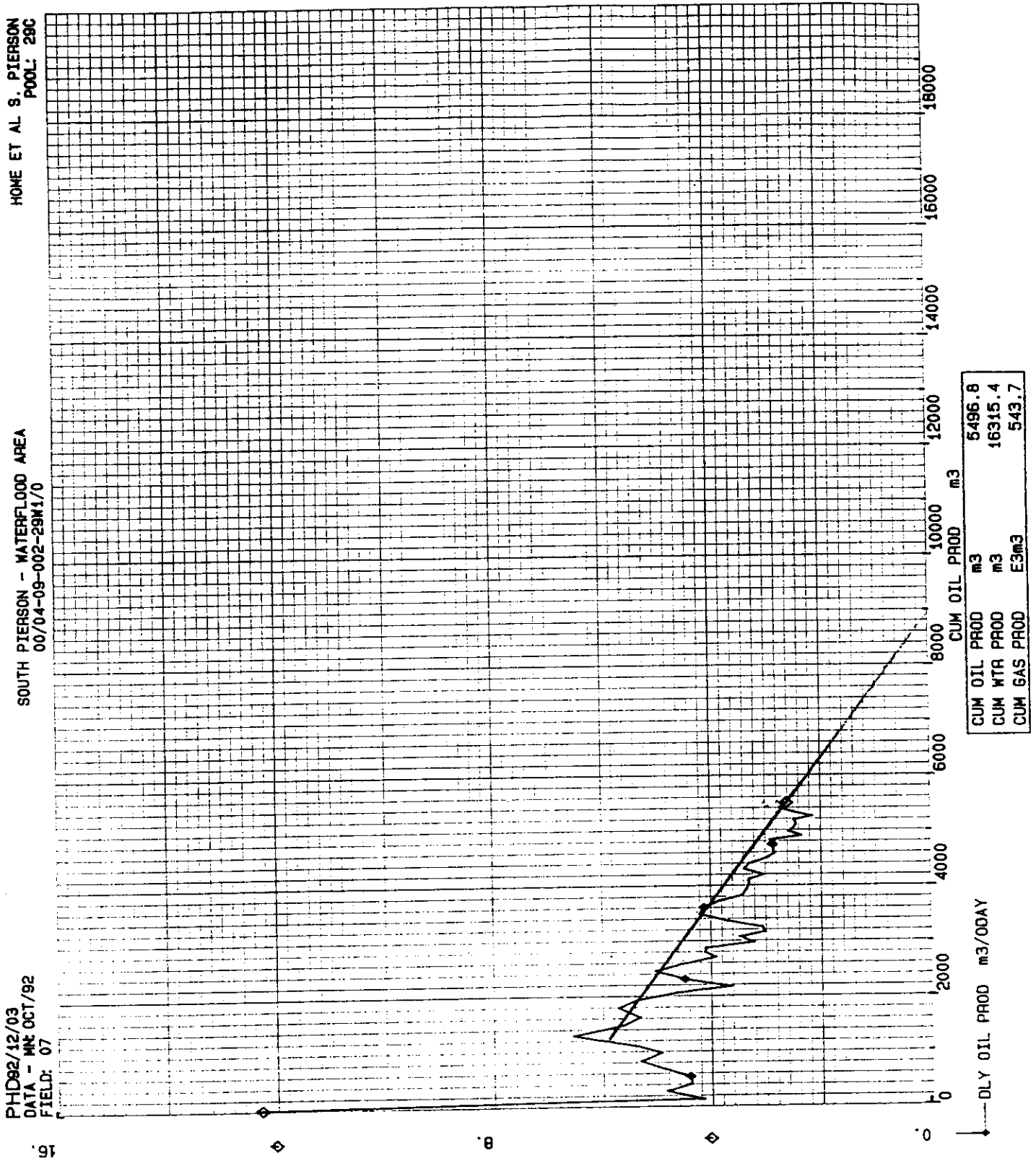


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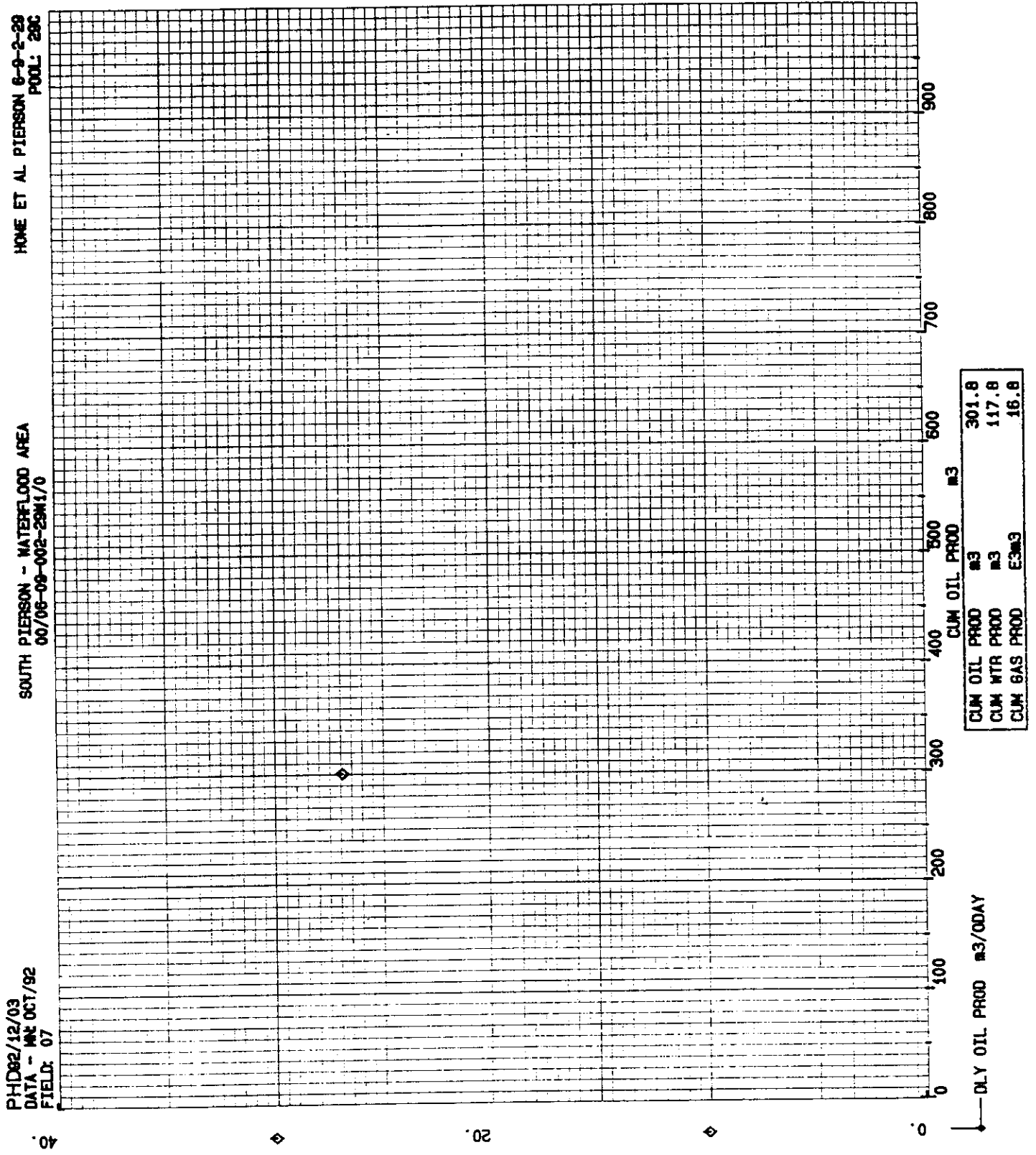


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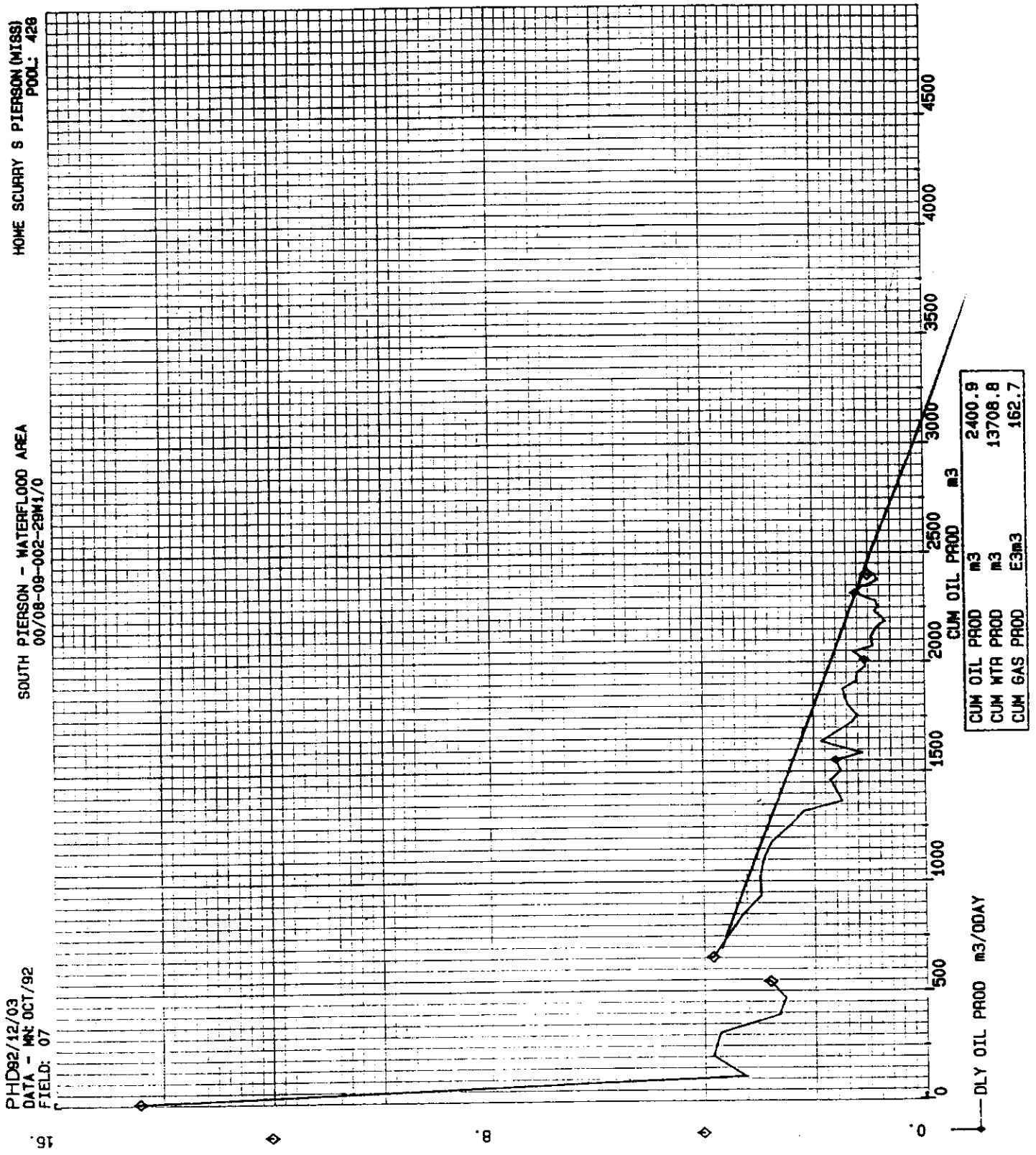


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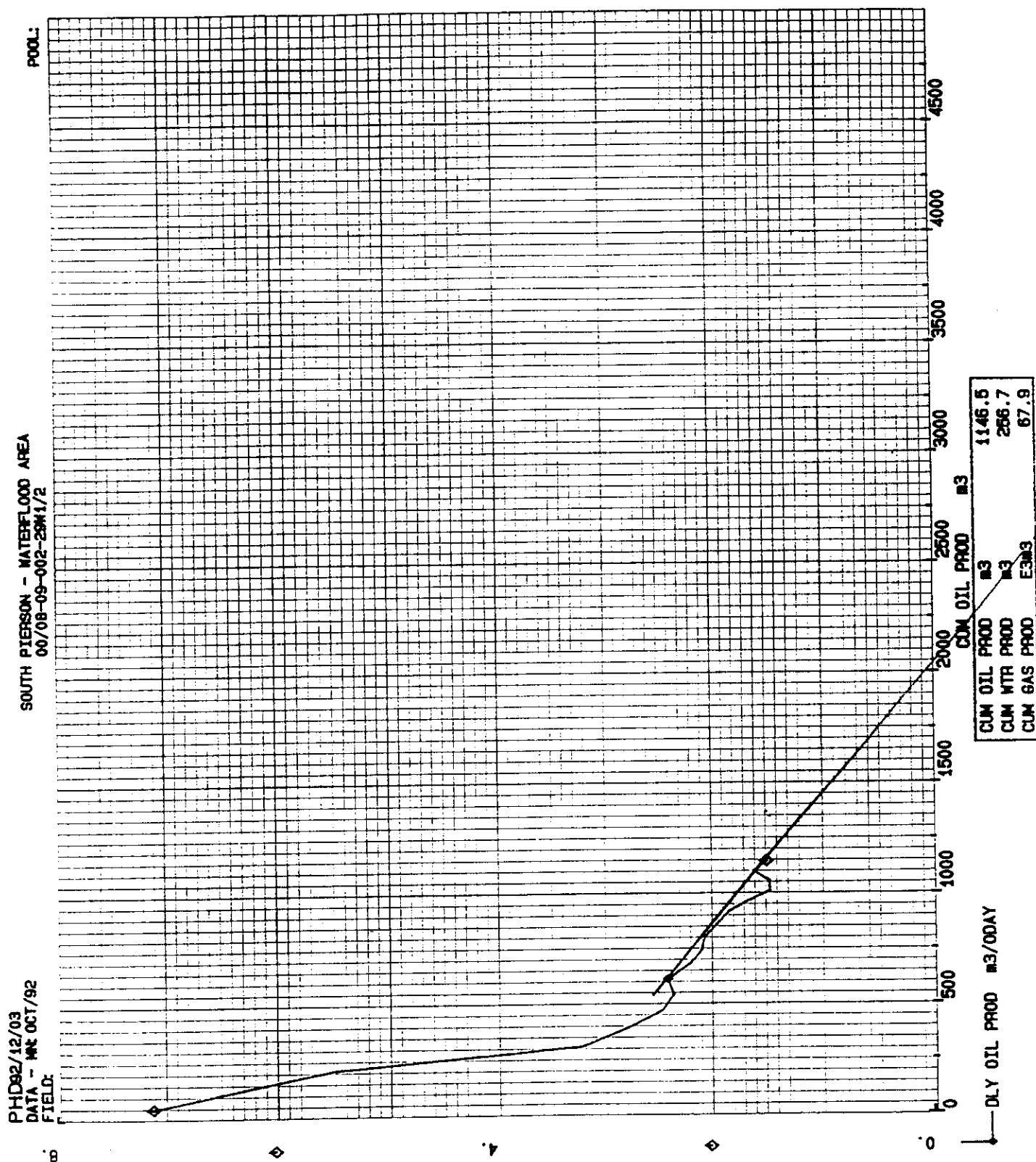


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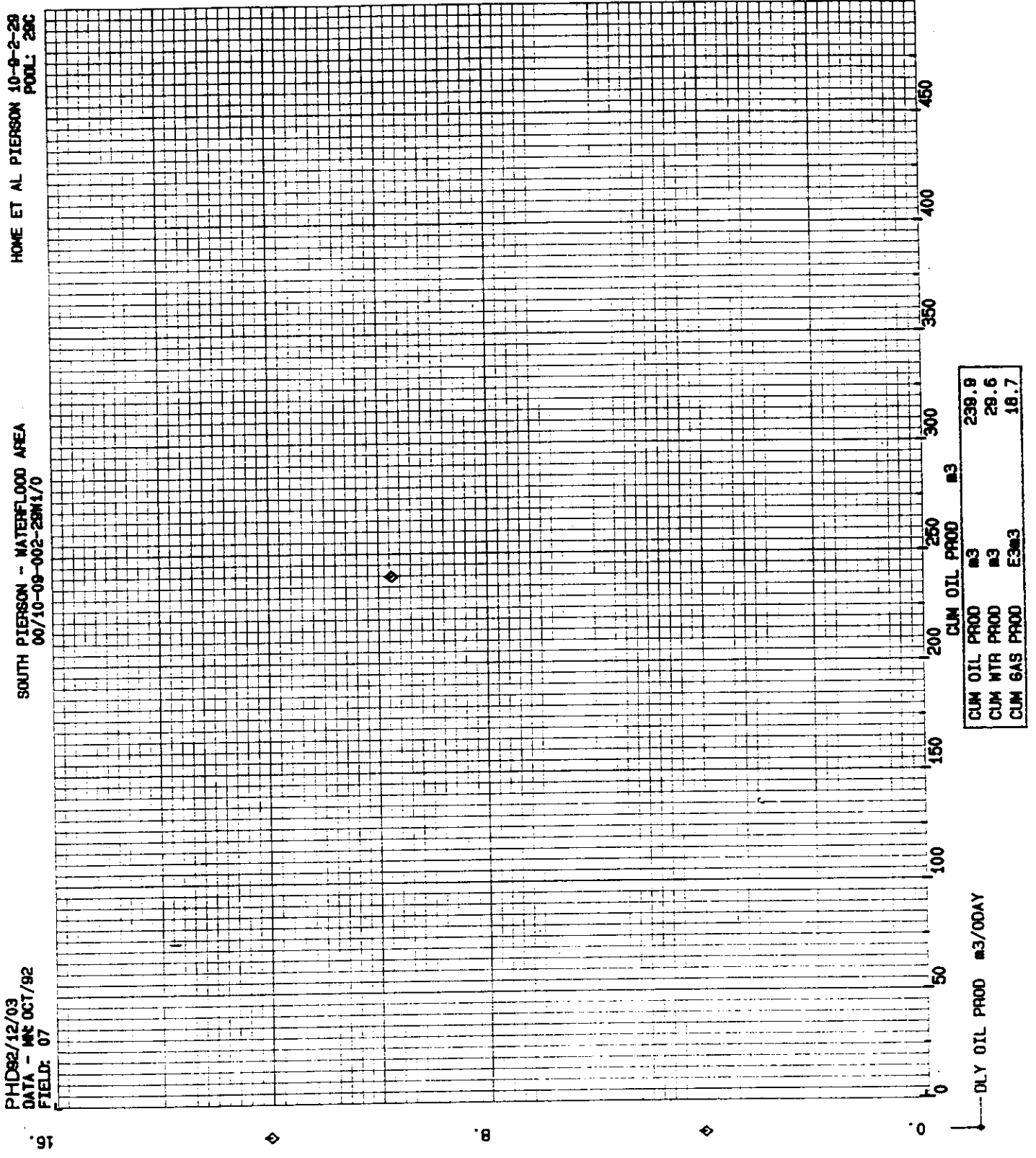


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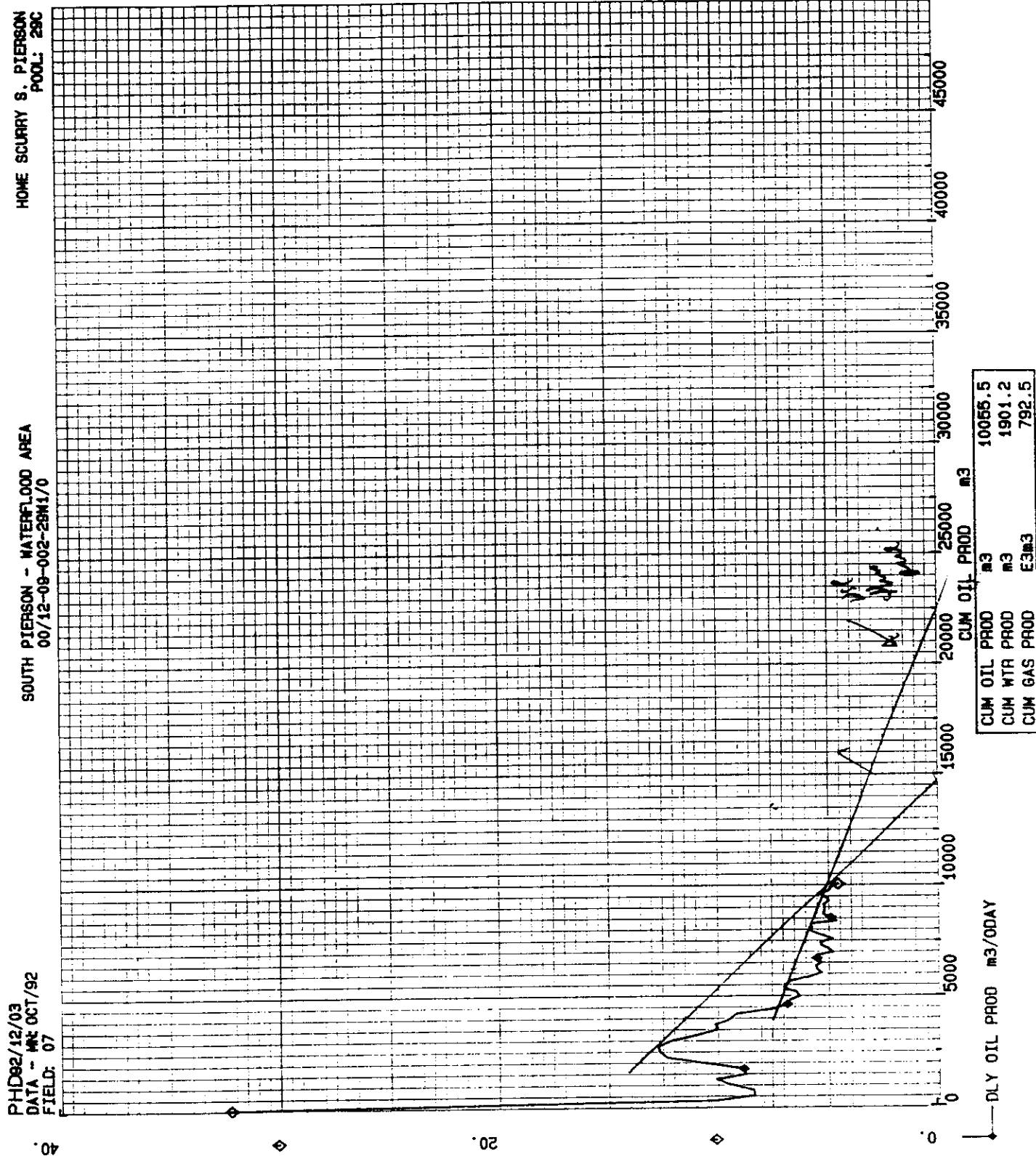


Figure G-18

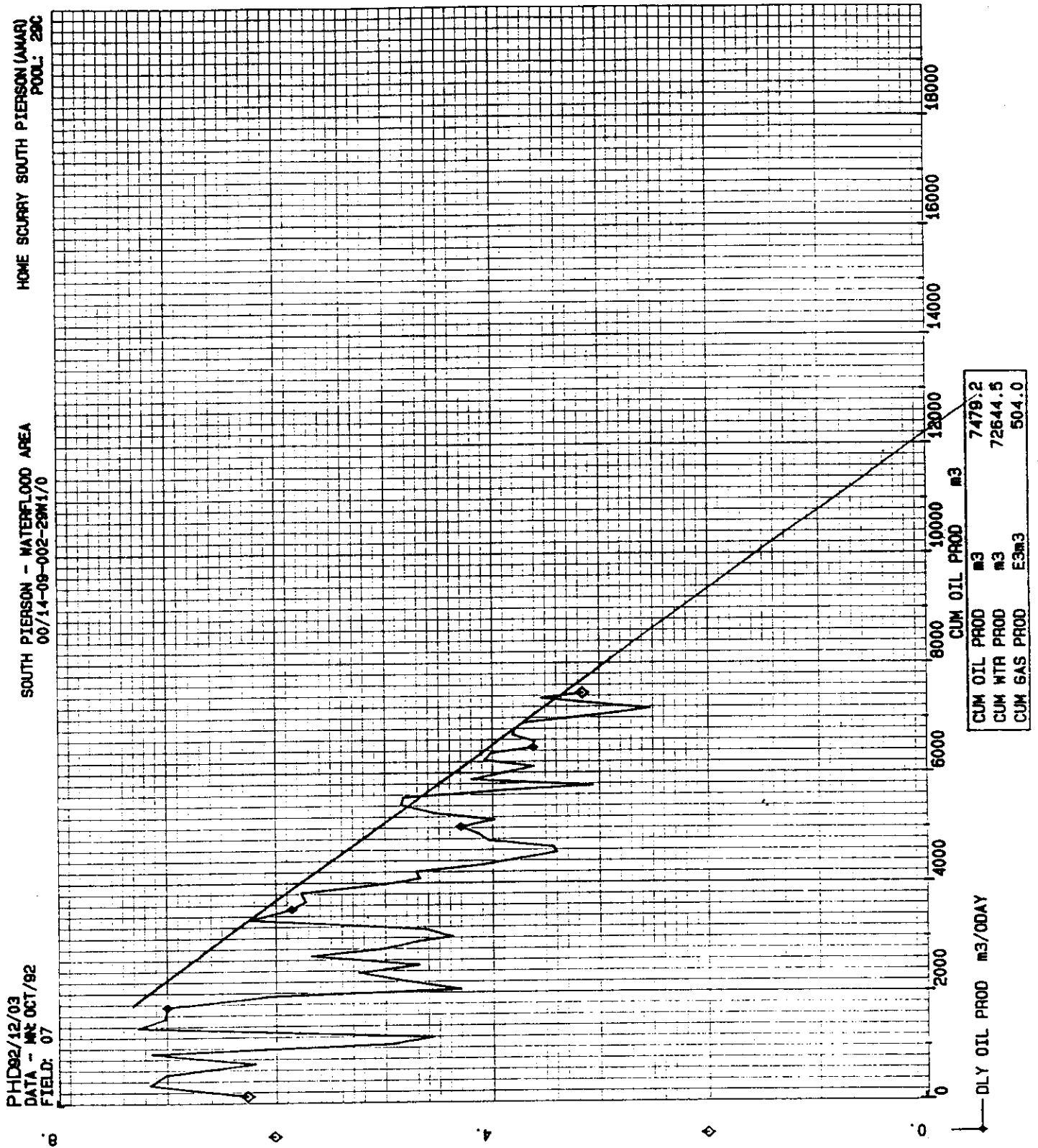


Figure G-19

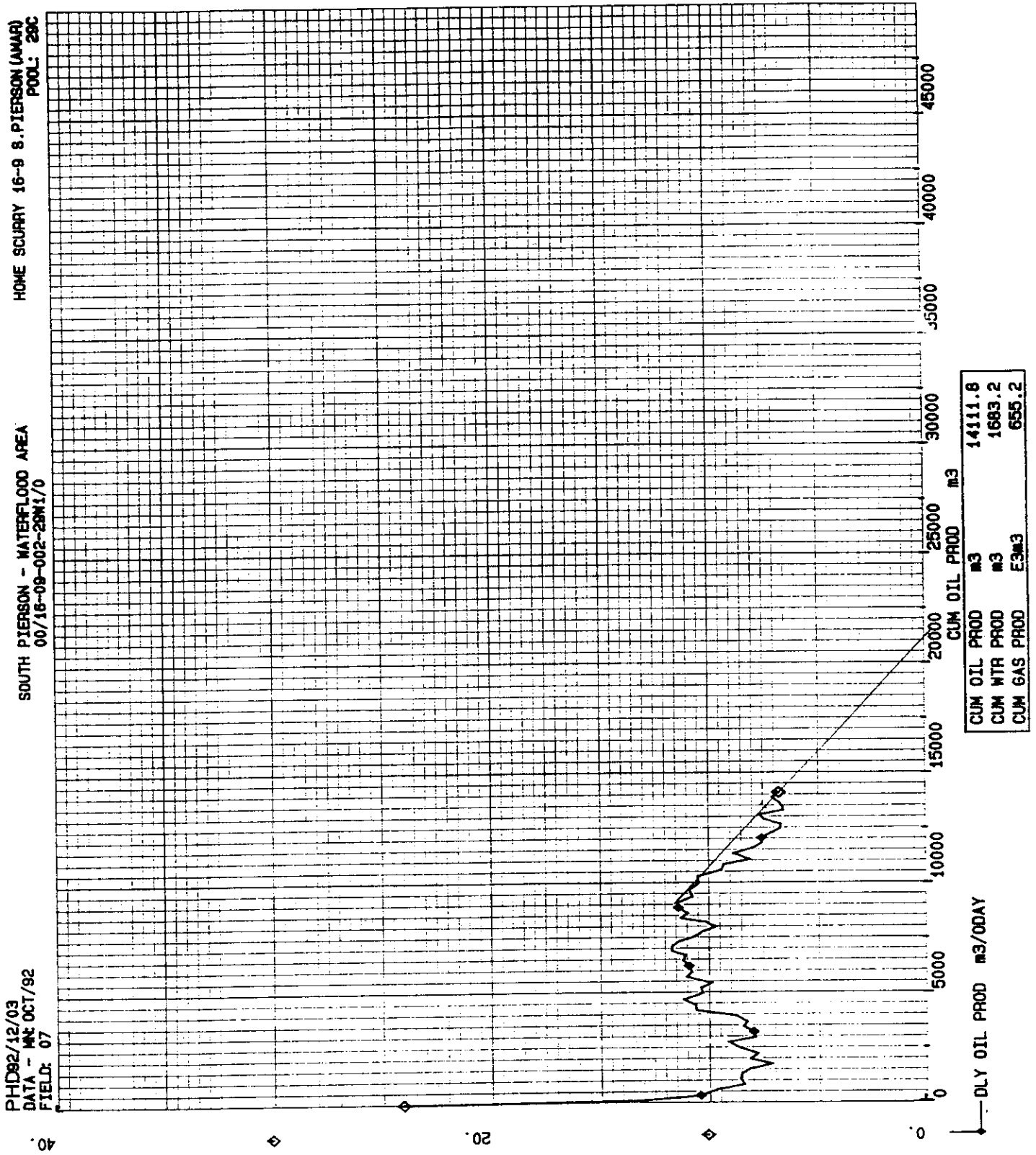


Figure G-20

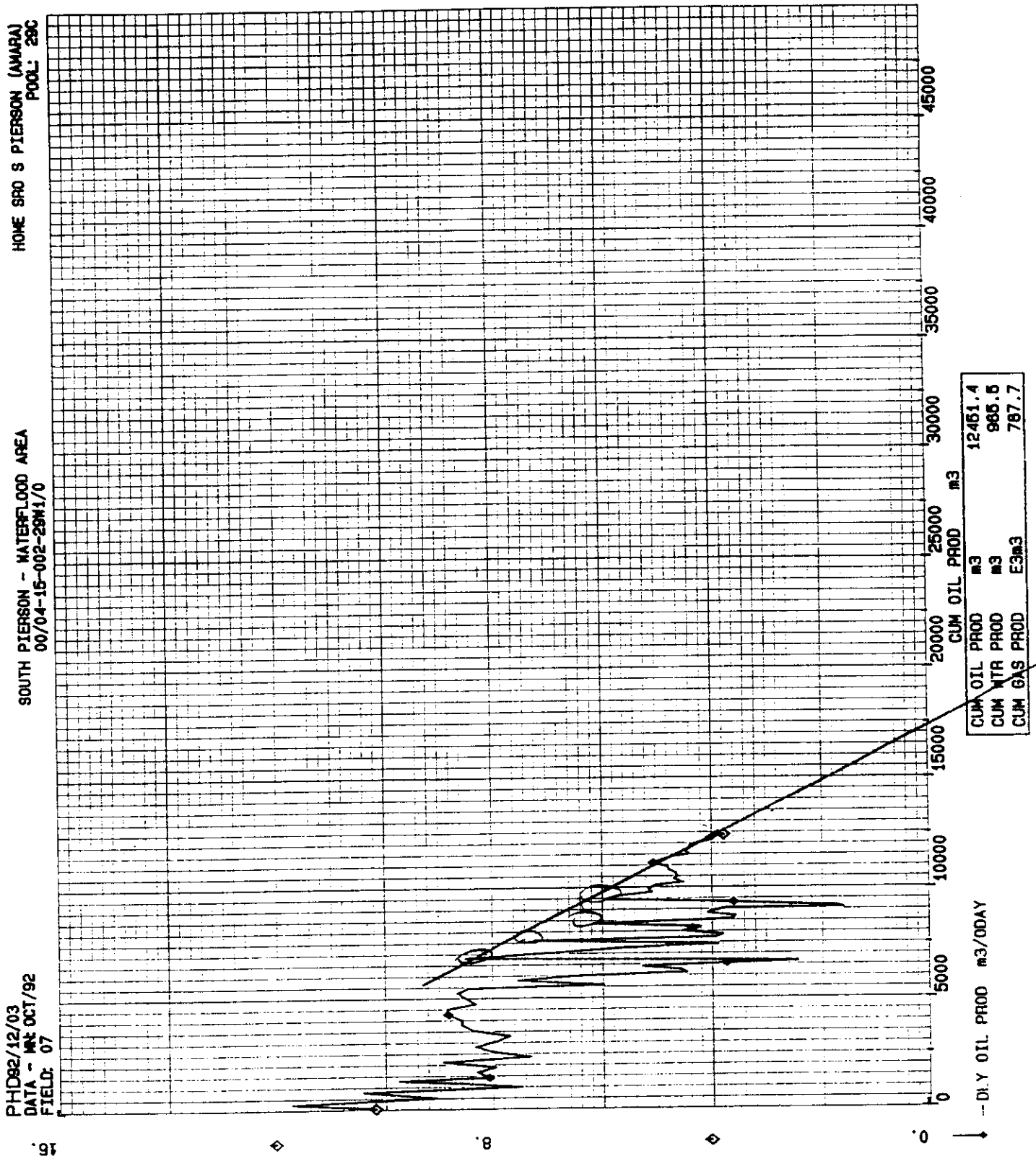


Figure G-21

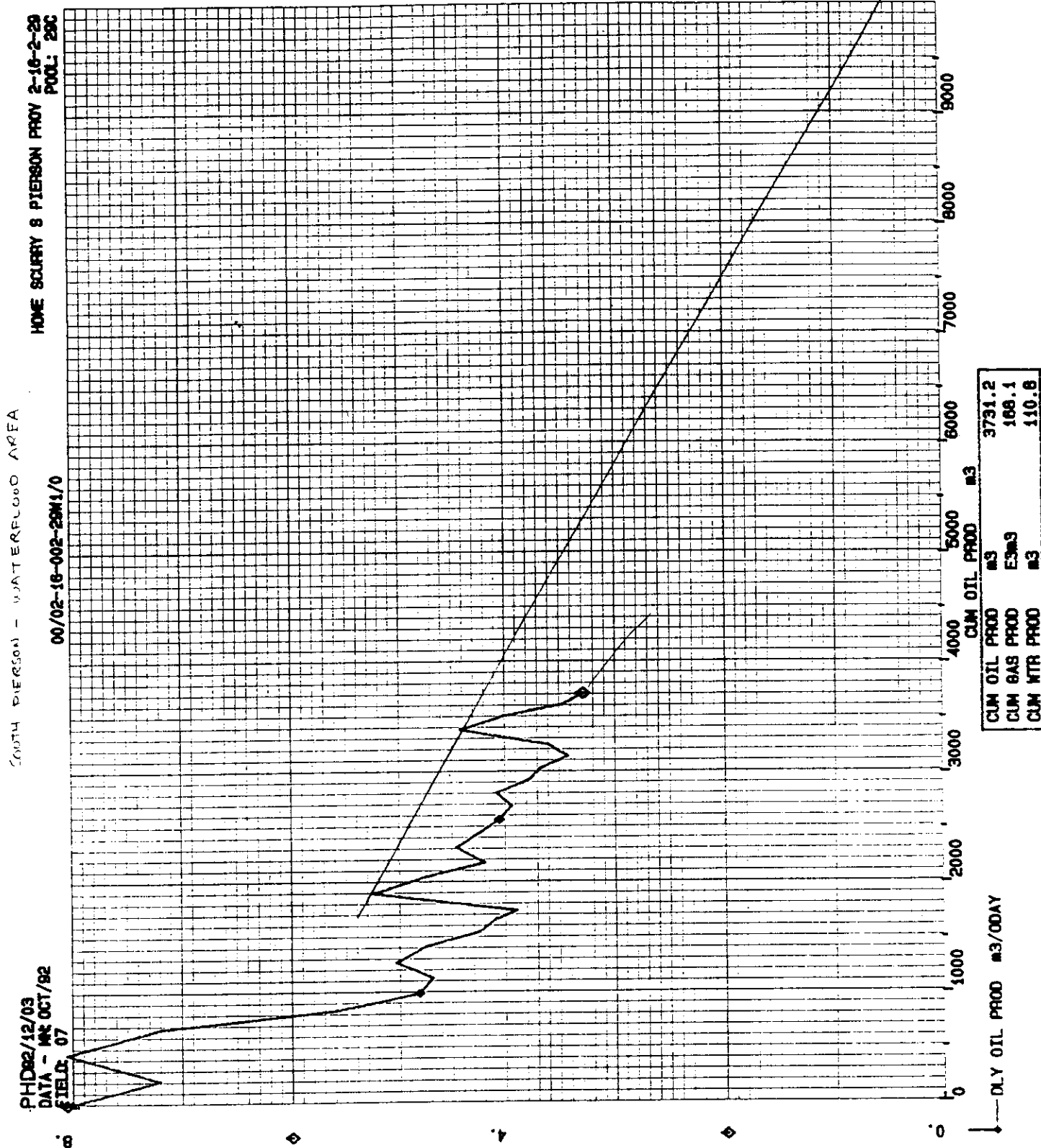


Figure G-22

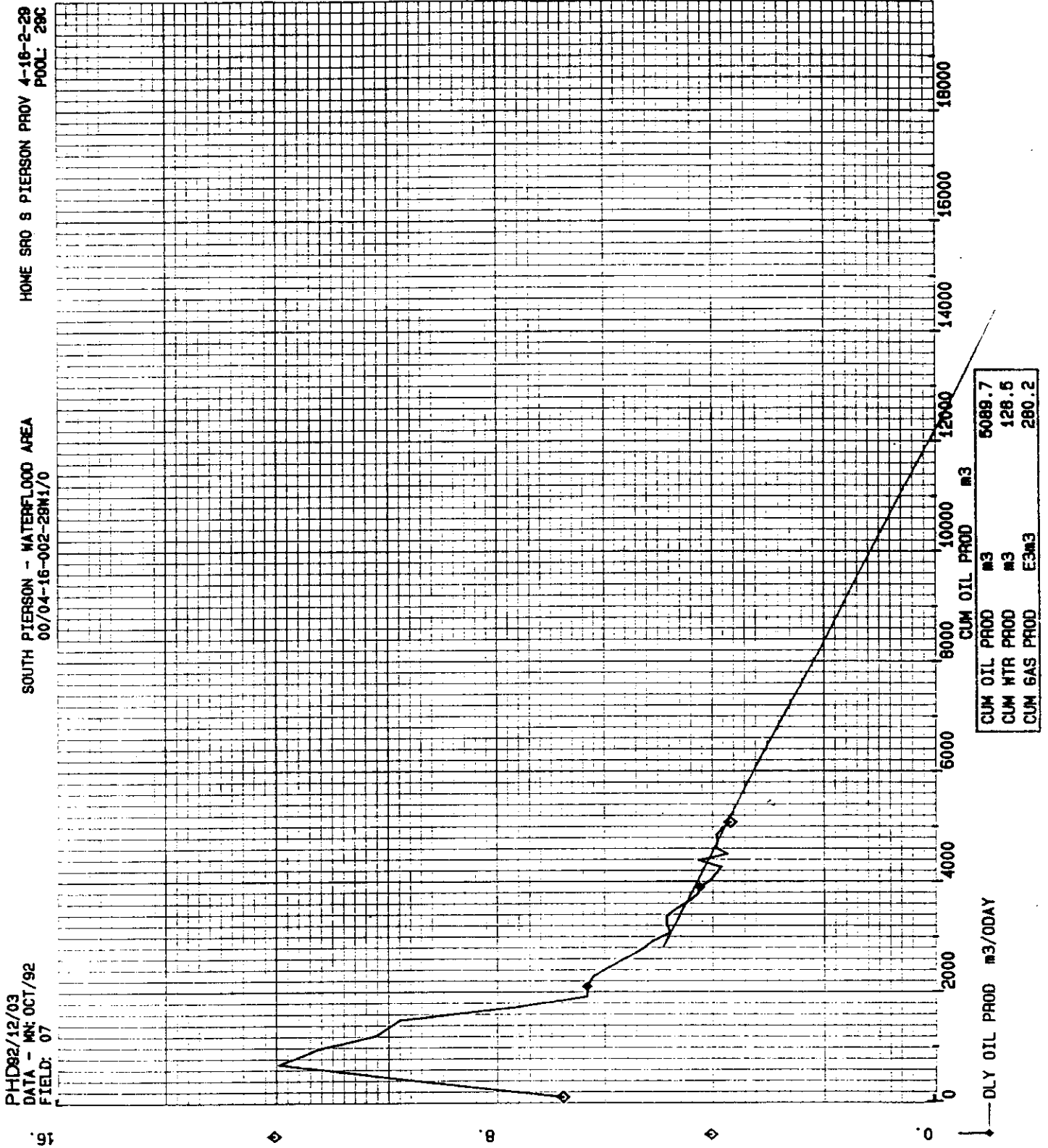


Figure G-23

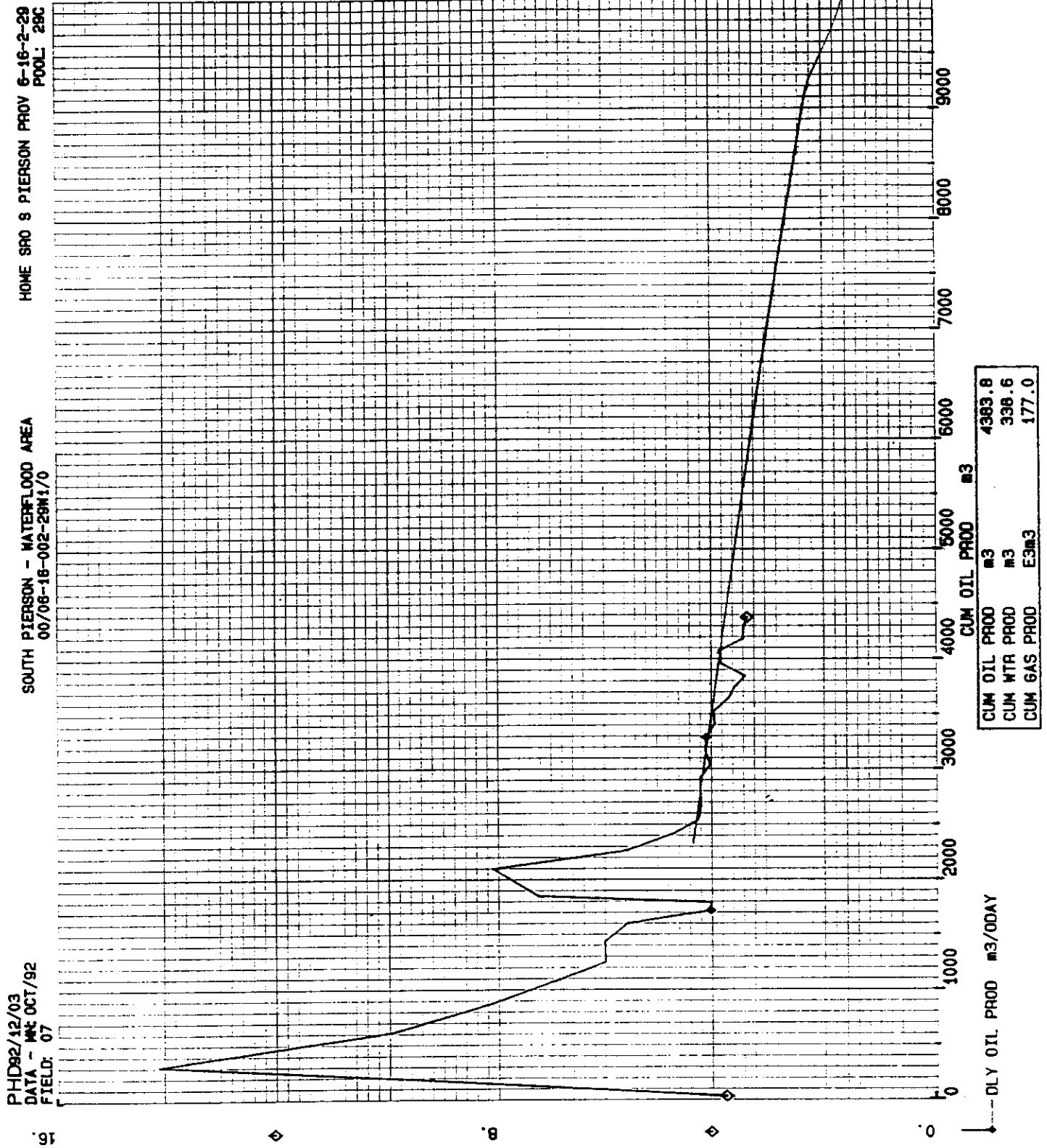


Figure G-24

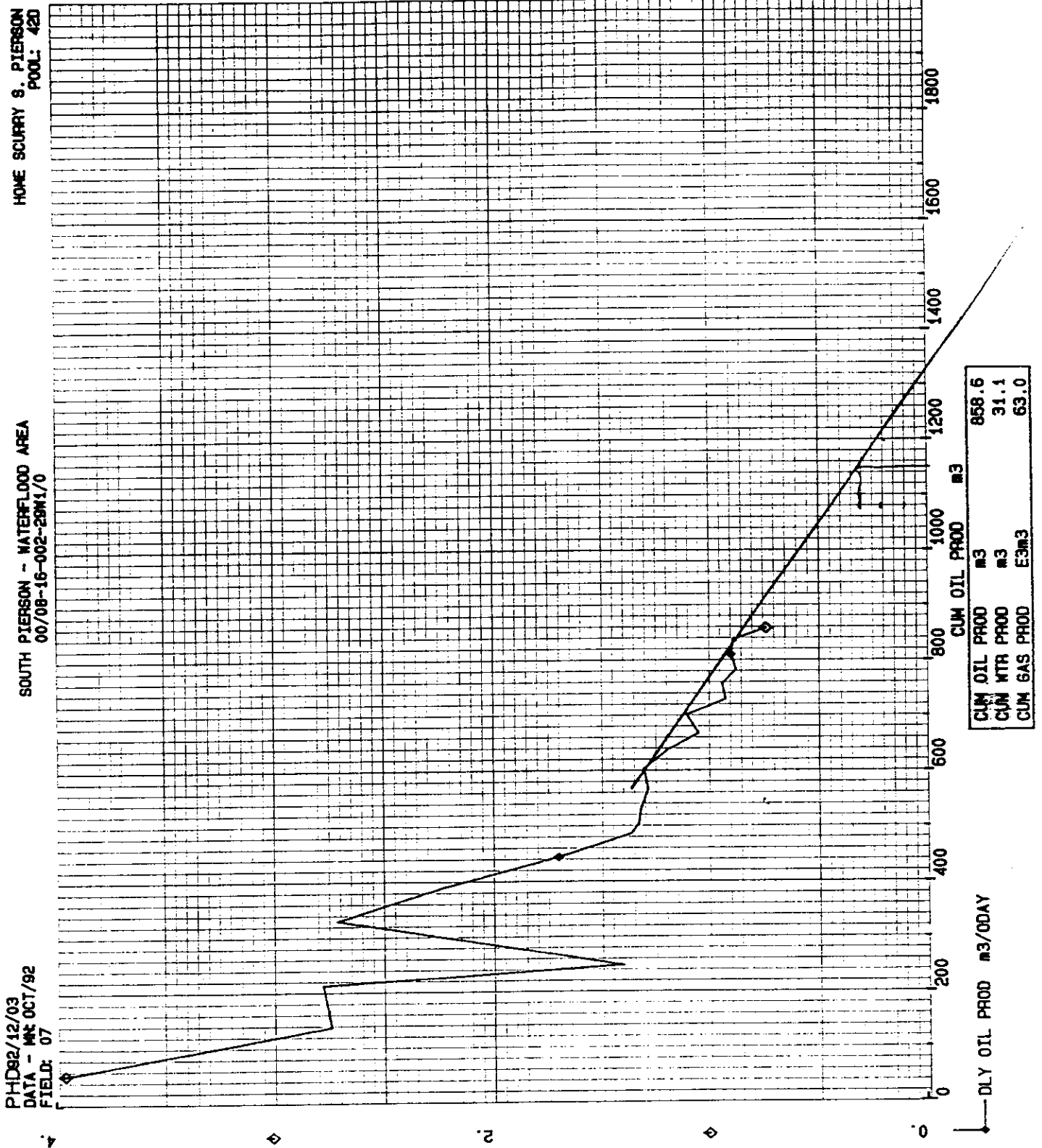


Figure G-25

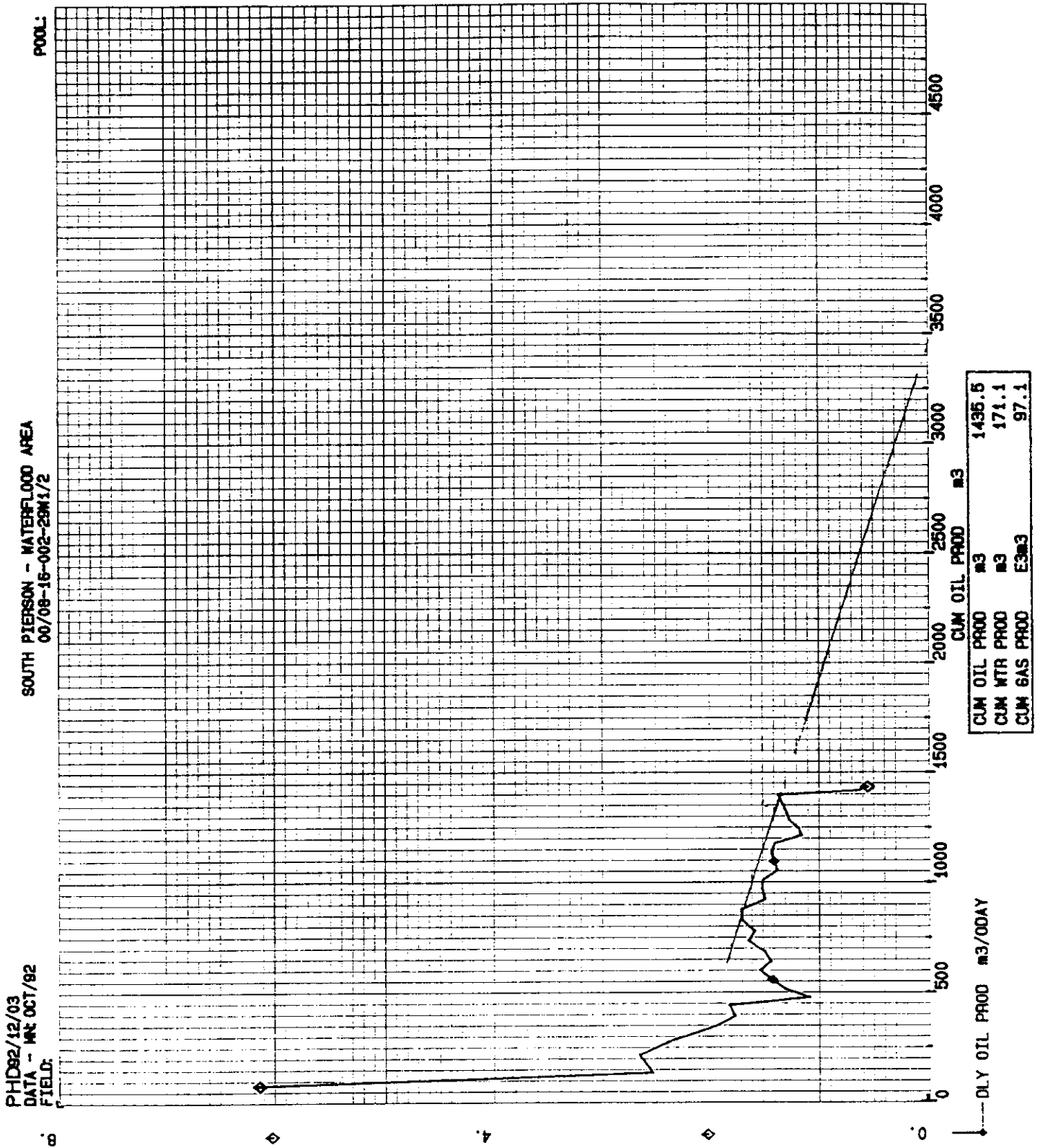


Figure G-26

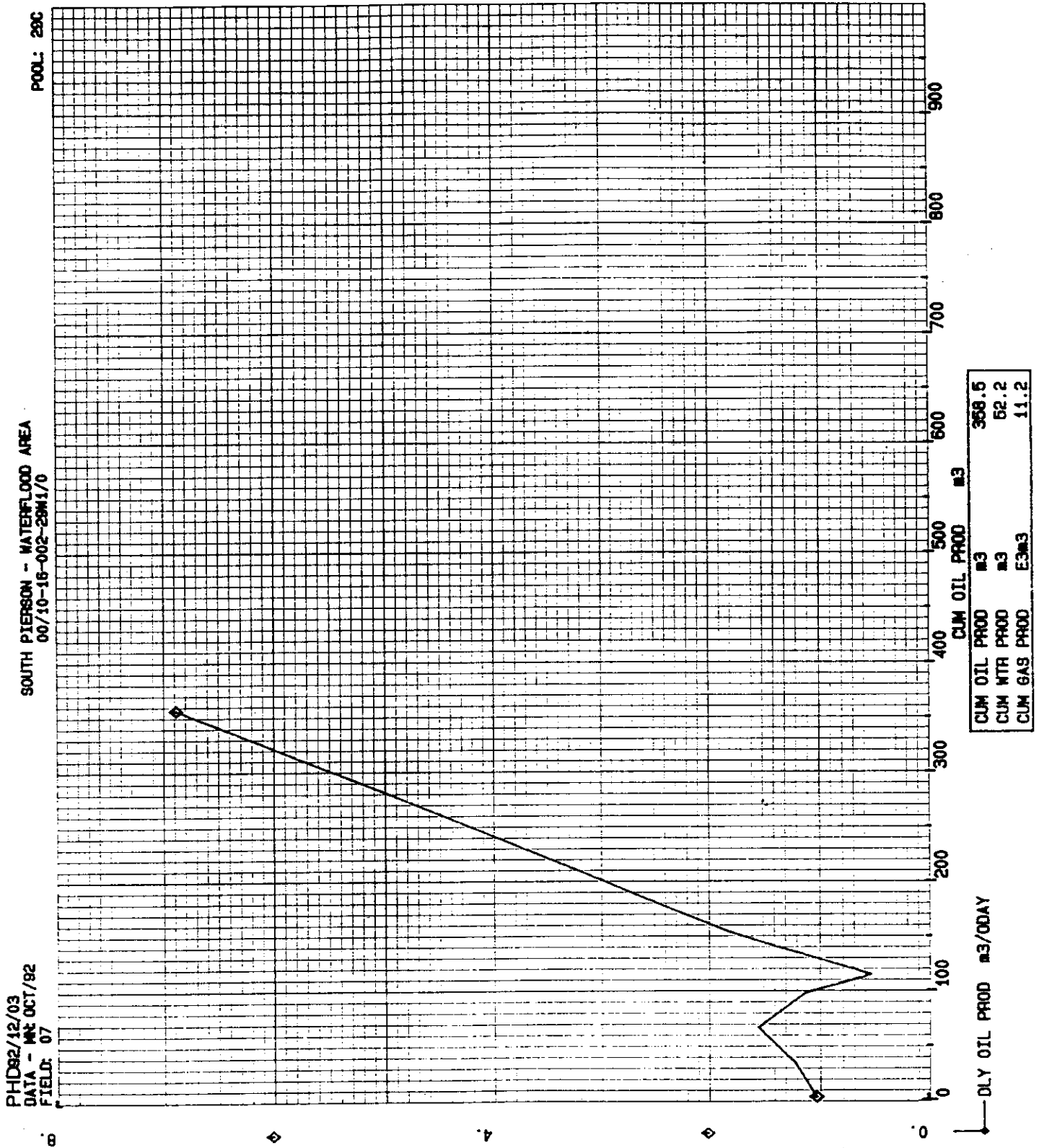


Figure G-27

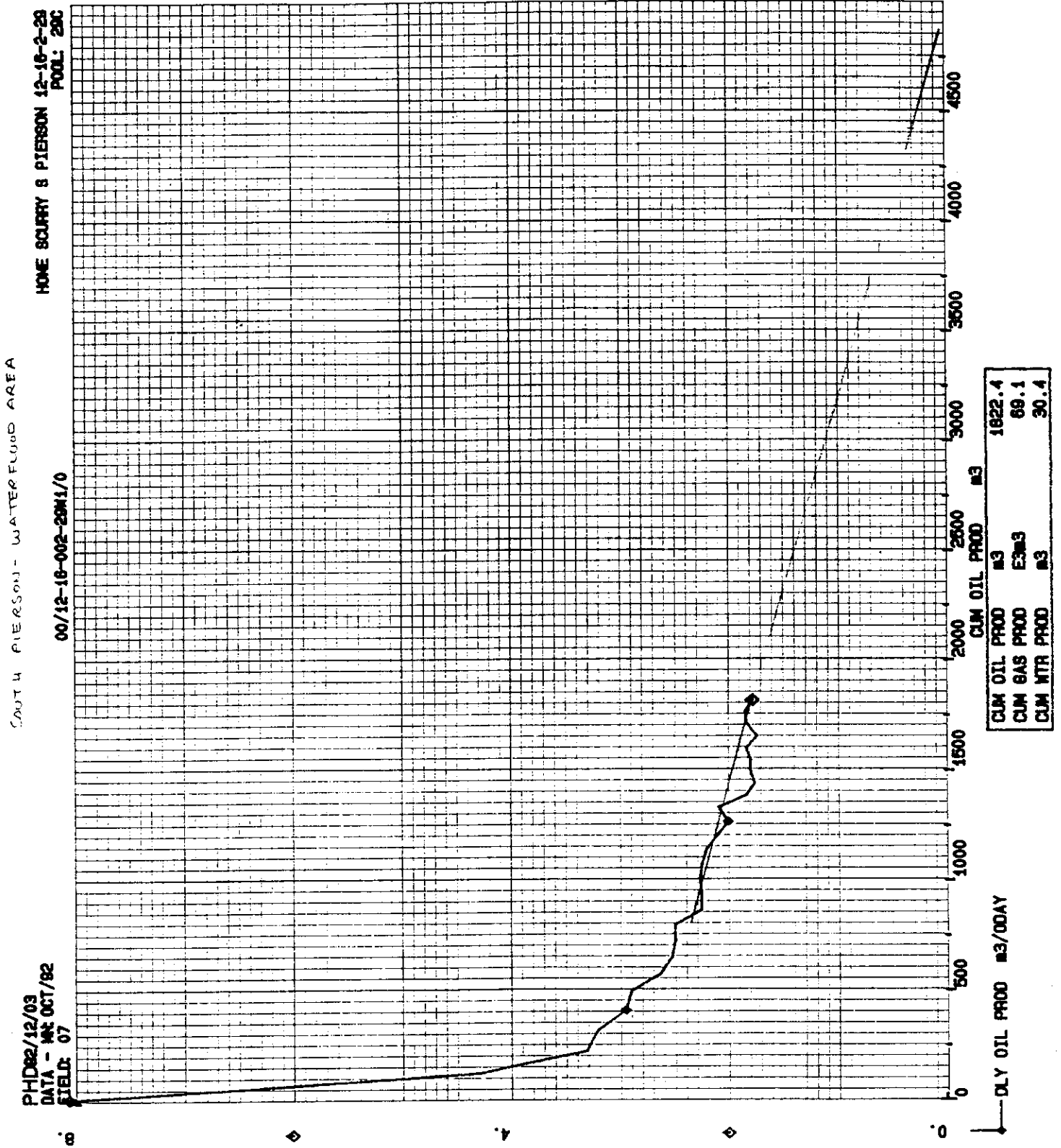


Figure G-28

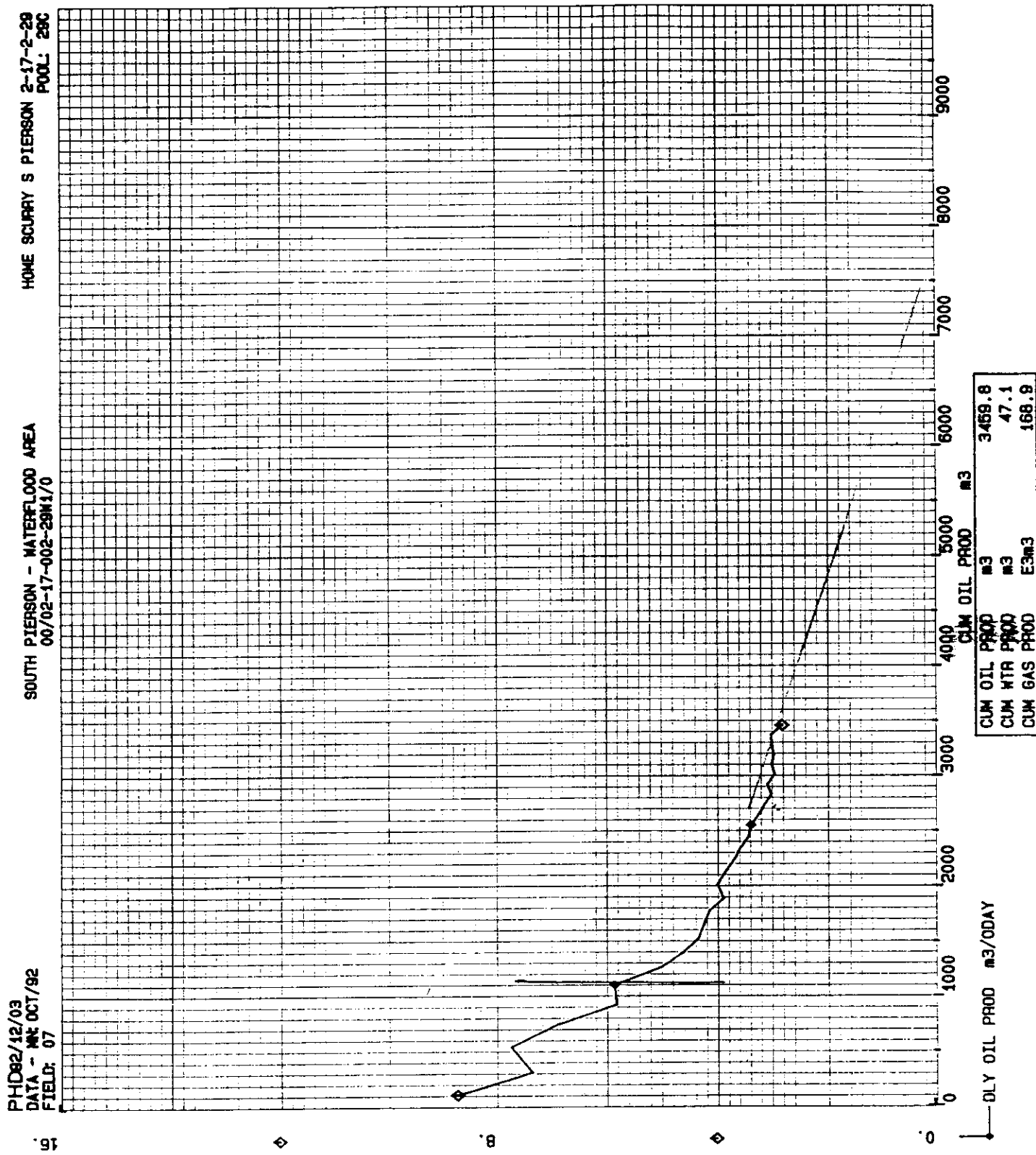


Figure G-29

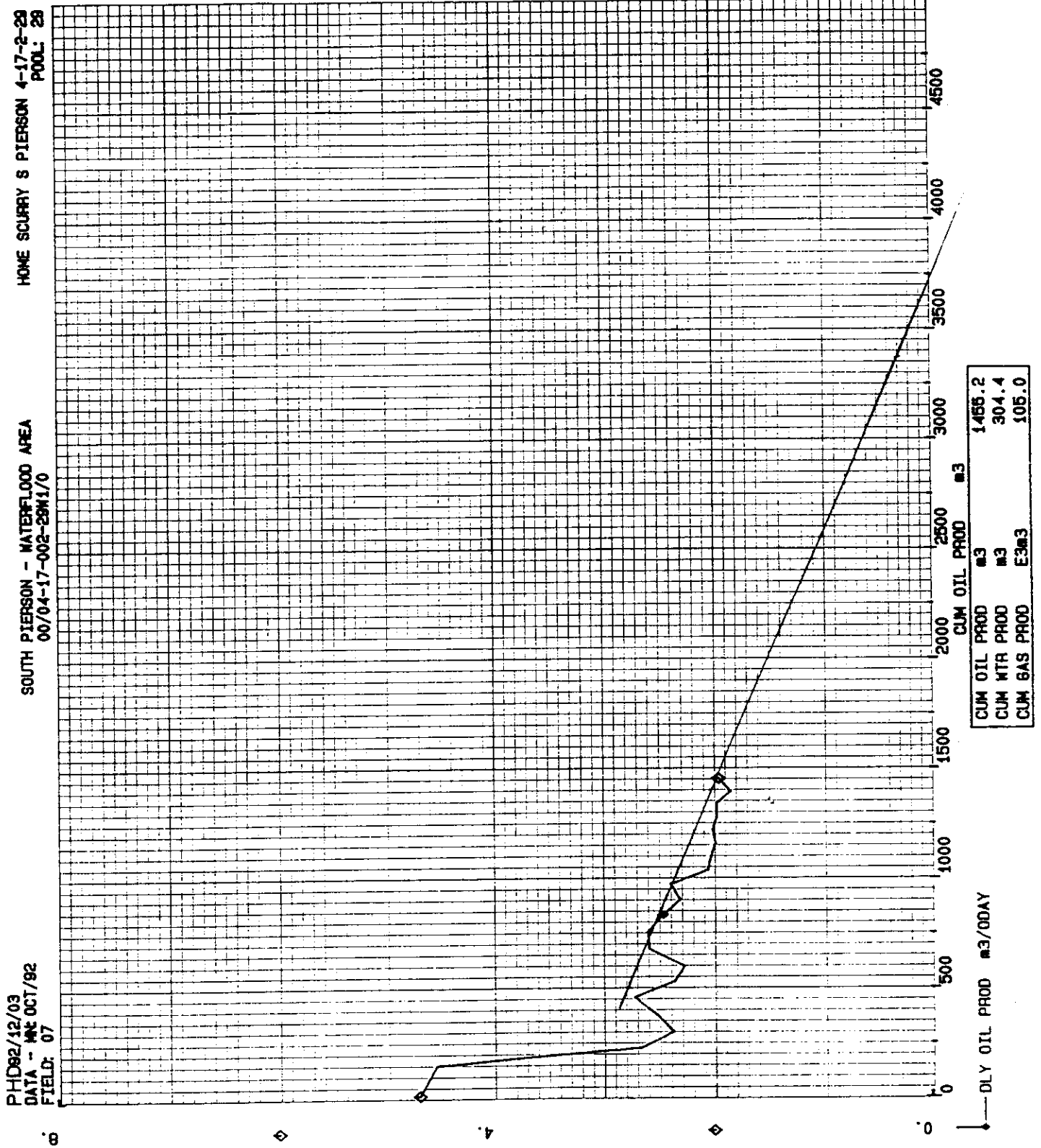


Figure G-30

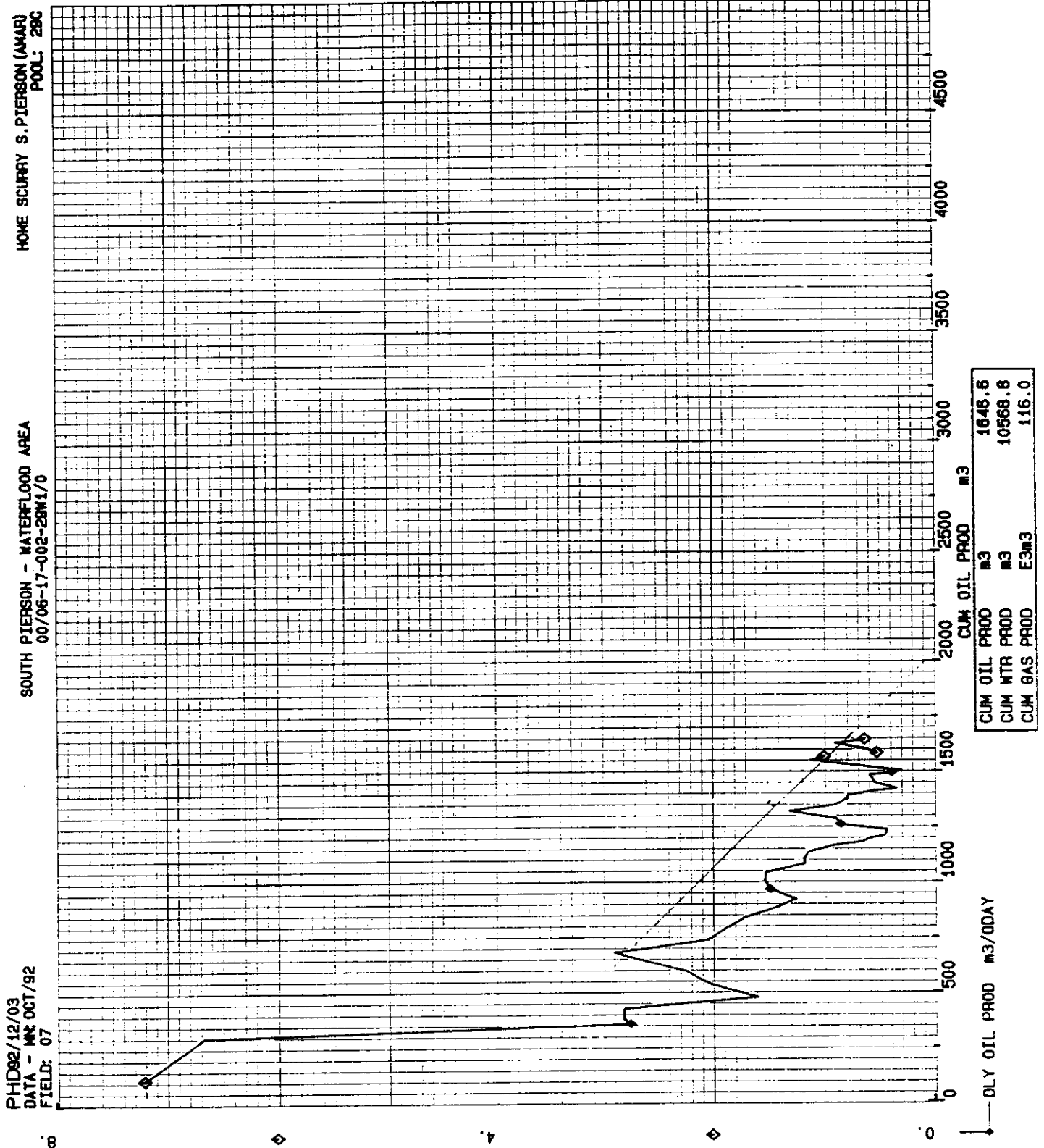


Figure G-31

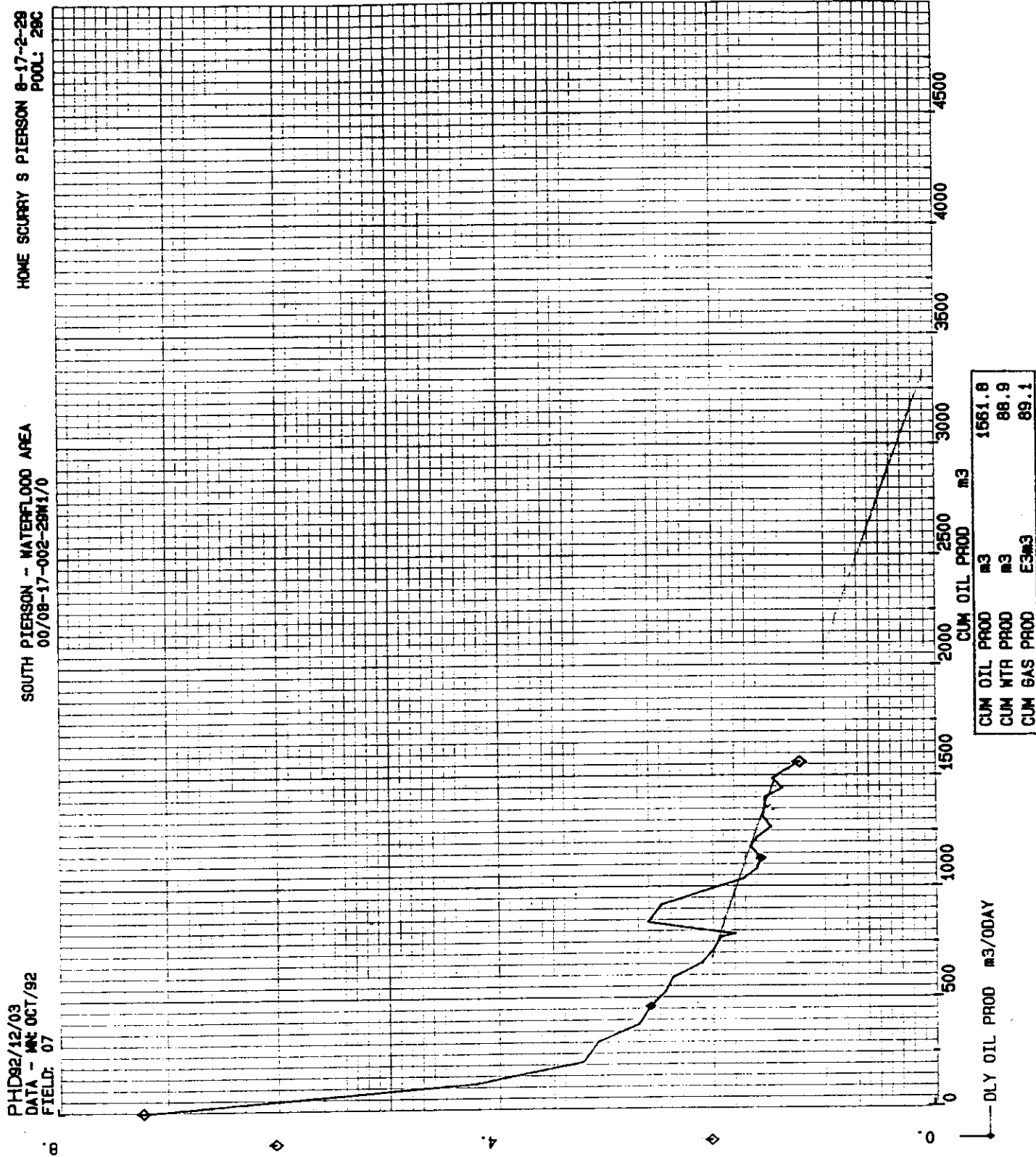


Figure G-32

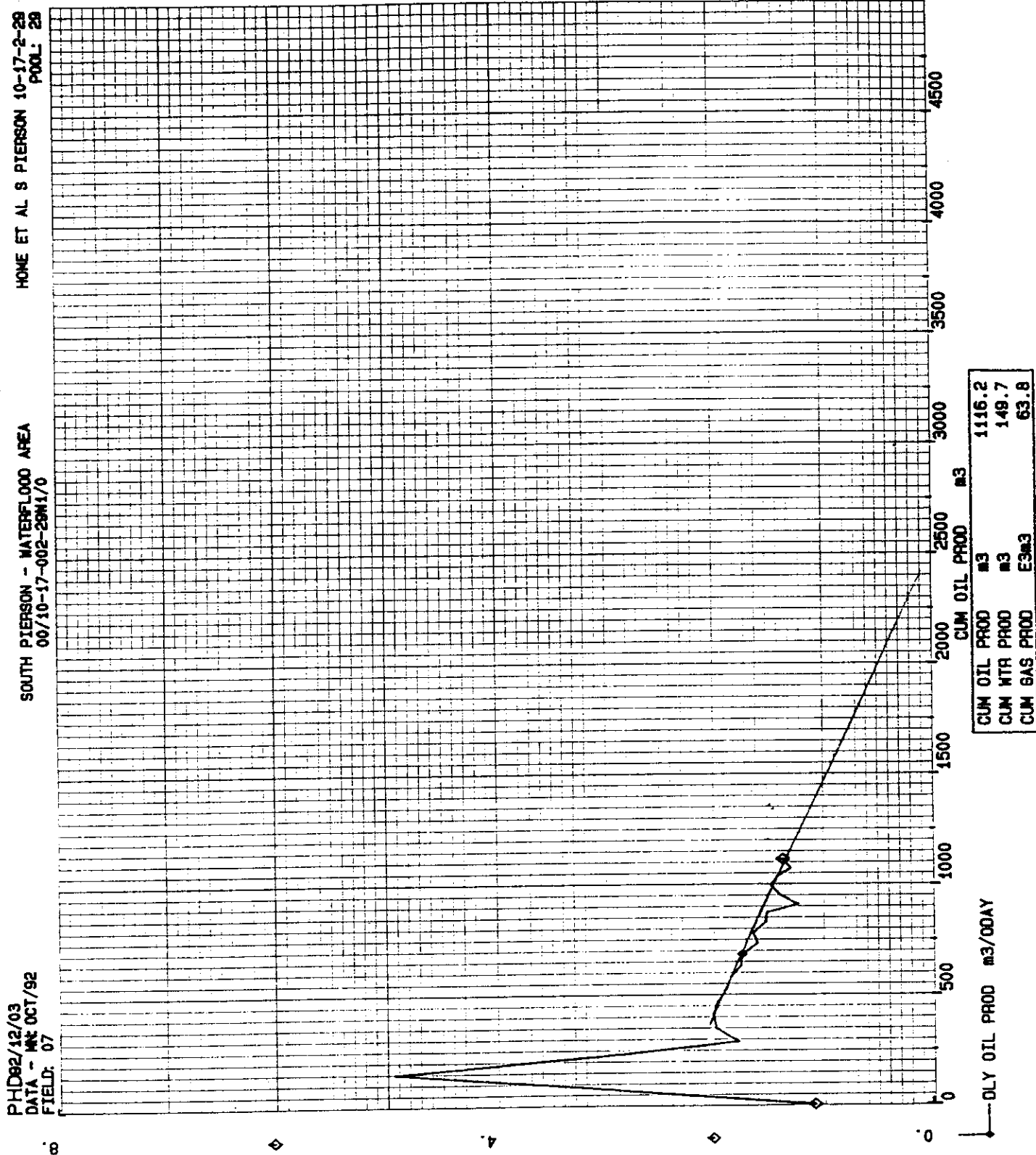


Figure G-33

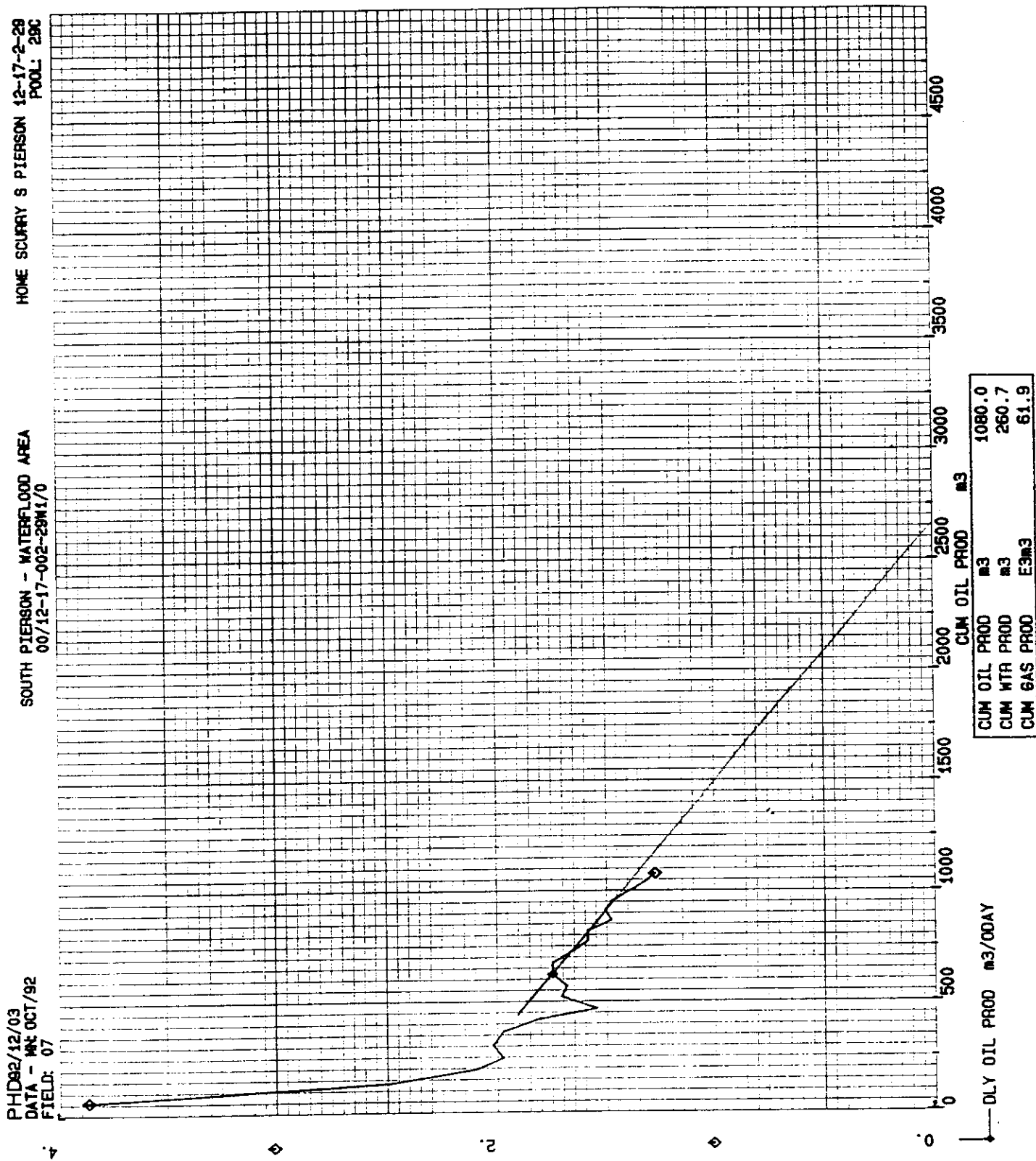


Figure G-34

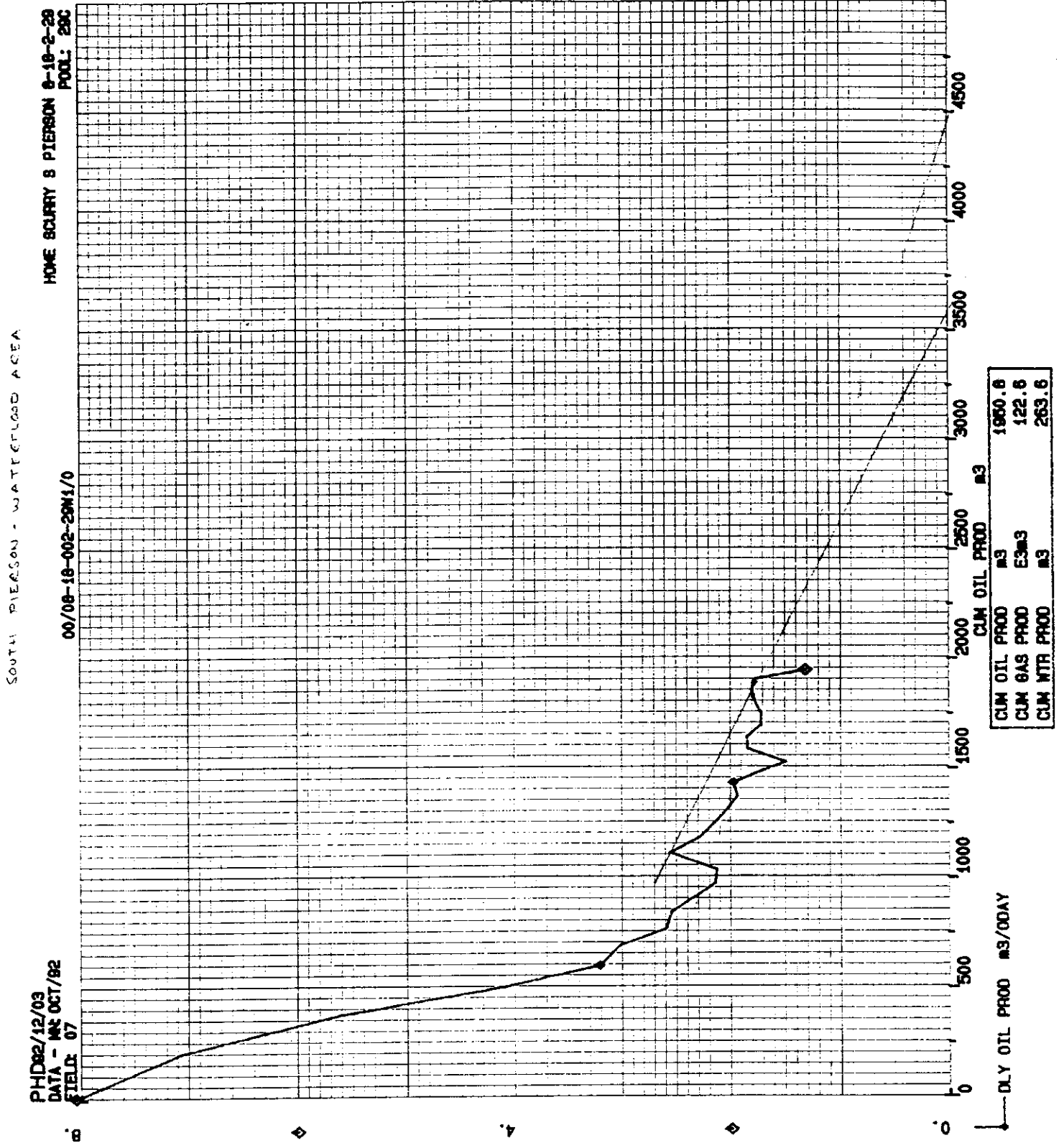
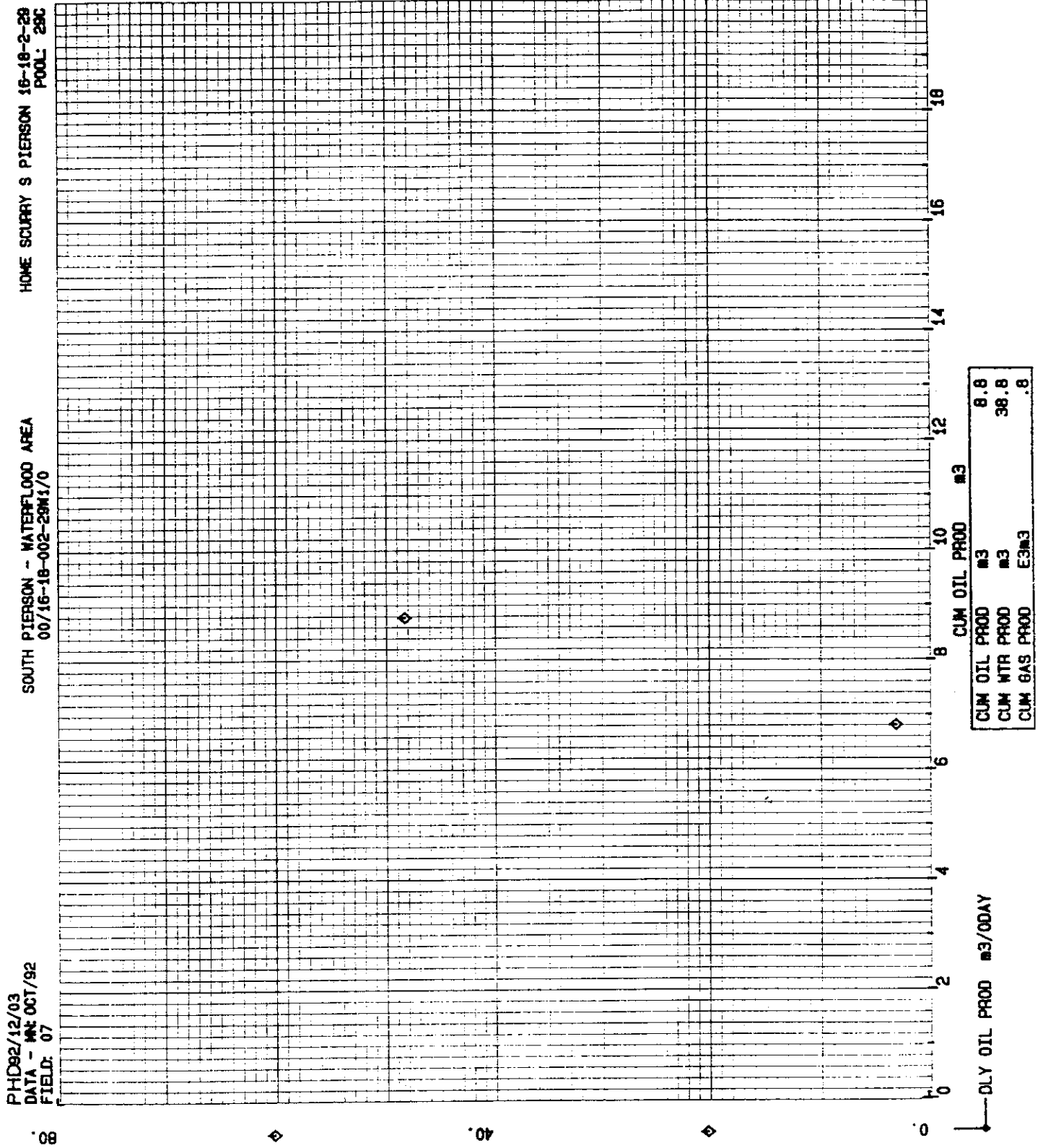


Figure G-35



APPENDIX 'H'

South Pierson
Waterflood Application
February, 1993

Phase 1 and 2 Waterflood Development Strategy

Table H-1 gives a summary of the waterflood development through 1995 for Phase 1. Figures H-1 to H-3 also give a year by year well development of the waterflood. However, in 1993 there is still some delineation of the proposed waterflood boundaries that will be done with 32.4 Ha wells. This area includes the D.S.U's for 04-08-002 29 W1M, 08-07-002-29 W1M and 16-07-002-29 W1M. If these wells prove to be successful, Home Oil plans to increase the waterflood area by these D.S.U's. These wells are intended to be drilled before the end of March 1993 and all of the wells are contingent on the success of the previous location. Home Oil is attempting to locate the oil/water contact in the Lower Amaranth. If all of the 32.4 Ha D.S.U's prove to be successful, an updated development plan will be forwarded to the Crown by Home Oil incorporating the associated infill locations as well as any further delineation of the Southwestern pool boundary.

The 32.4 Ha development of the Northeast edge of the waterflood will be left until 1994 as the reservoir quality in this area from mapping is considered to be poor. It is Home Oil's intention to develop the better parts of the reservoir first by drilling infill locations to increase production by as much as possible before converting wells to water injection. As can be seen from Table H-1, only five patterns are anticipated to be completed the first year (ie: 1993). However pattern development will rapidly increase in 1994 with the conversion of an additional 22 wells to injection. Each conversion will be done as the infill locations around each injector are drilled and completed. From early injection results at the 16-08 test well, voidage replacement will be easily maintained. Therefore converting producing wells to injection after all the infill locations are drilled will not be detrimental to waterflood performance because:

- a) The time between infill production and injector conversion is small thus minimizing reservoir pressure depletion.
- b) The lost voidage replacement will be regained once the conversion is completed.

Depending on the results from the development of Phase 1, Phase 2 development will begin in 1996 in a similar fashion as outlined for Phase 1. However most of the 32 Ha D.S.U.'s for Phase 2 may still require drilling. This may be done at the end of the Phase 1 development plan (ie: in late 1995).

Unitization Update

Negotiations with the remaining Working Interest Owner (Corvair Resources) has been initiated. An offer to purchase their interest in South Pierson has been forwarded for their scrutiny. If no agreement can be reached, they will become part of the Unitization proceedings. Formulas are being developed for tract factors for each D.S.U. using the mapping developed by Home Oil. As the major Working Interest Owner in the pool, Home Oil is being very diligent in our efforts to be equitable to all parties concerned as Home Oil has the most risk involved in the pool's development. The Crown will be kept informed as Unitization proceedings progress. It is Home Oil's intention to have the waterflood area unitized by the end of August of this year.

Table H-1 South Pierson Development Schedule

1993			1994			1995		
Infill Location	Timing	Conversion	Infill Location	Timing	Conversion	Infill Location	Timing	Conversion
05-09-002-29 W1M	August		15-08-002-29 W1M	January	14-08-002-29 W1M	05-15-002-29 W1M	January	
07-09-002-29 W1M	"		03-08-002-29 W1M	"	12-09-002-29 W1M	01-18-002-29 W1M	"	
03-09-002-29 W1M	"		09-05-002-29 W1M	"	06-09-002-29 W1M	09-18-002-29 W1M	"	
13-04-002-29 W1M	"	04-09-002-29 W1M	11-04-002-29 W1M	February	10-08-002-29 W1M	13-17-002-29 W1M	"	
01-08-002-29 W1M	"		15-04-002-29 W1M	"	12-08-002-29 W1M	15-17-002-29 W1M	"	
07-08-002-29 W1M	"	08-08-002-29 W1M	09-04-002-29 W1M	"	12-08-002-29 W1M	13-16-002-29 W1M	February	
09-08-002-29 W1M	September		01-09-002-29 W1M	"	06-08-002-29 W1M	15-16-002-29 W1M	"	
11-09-002-29 W1M	"		09-09-002-29 W1M	"	16-05-002-29 W1M		May	02-08-002-29 W1M
13-09-002-29 W1M	"	14-09-002-29 W1M	07-16-002-29 W1M	May	12-04-002-29 W1M		"	16-09-002-29 W1M
15-09-002-29 W1M	"		11-16-002-29 W1M	"	14-04-002-29 W1M		"	02-15-002-29 W1M
03-16-002-29 W1M	"	08-09-002-29 W1M		"	10-04-002-29 W1M		June	04-17-002-29 W1M
01-17-002-29 W1M	"		05-16-002-29 W1M	June			"	08-18-002-29 W1M
15-08-002-29 W1M	"	16-04-002-29 W1M	09-17-002-29 W1M	"	02-09-002-29 W1M		"	16-18-002-29 W1M
11-08-002-29 W1M	October		07-17-002-29 W1M	"	10-09-002-29 W1M		July	12-17-002-29 W1M
03-17-002-29 W1M	"		05-17-002-29 W1M	"			"	14-17-002-29 W1M
01-16-002-29 W1M	"		16-17-002-29 W1M	"			"	16-17-002-29 W1M
			14-16-002-29 W1M	July	02-16-002-29 W1M		August	14-16-002-29 W1M
				"	08-16-002-29 W1M			
				"	06-16-002-29 W1M			
				August	04-16-002-29 W1M			
				"	08-17-002-29 W1M			
				"	02-17-002-29 W1M			
				September	06-17-002-29 W1M			
				"	10-17-002-29 W1M			
				"	12-16-002-29 W1M			
				October	10-16-002-29 W1M			
16 Infills	Total	5 Conversions	17 Infills	Total	22 Conversions	7 Infills	Total	10 Conversions

Assumptions: 5 days to drill each infill location and 10 days to convert and tie-in each injector location.

Note: Drilling, completions and pipelining will not be done during spring break-up in order to keep costs at a minimum.

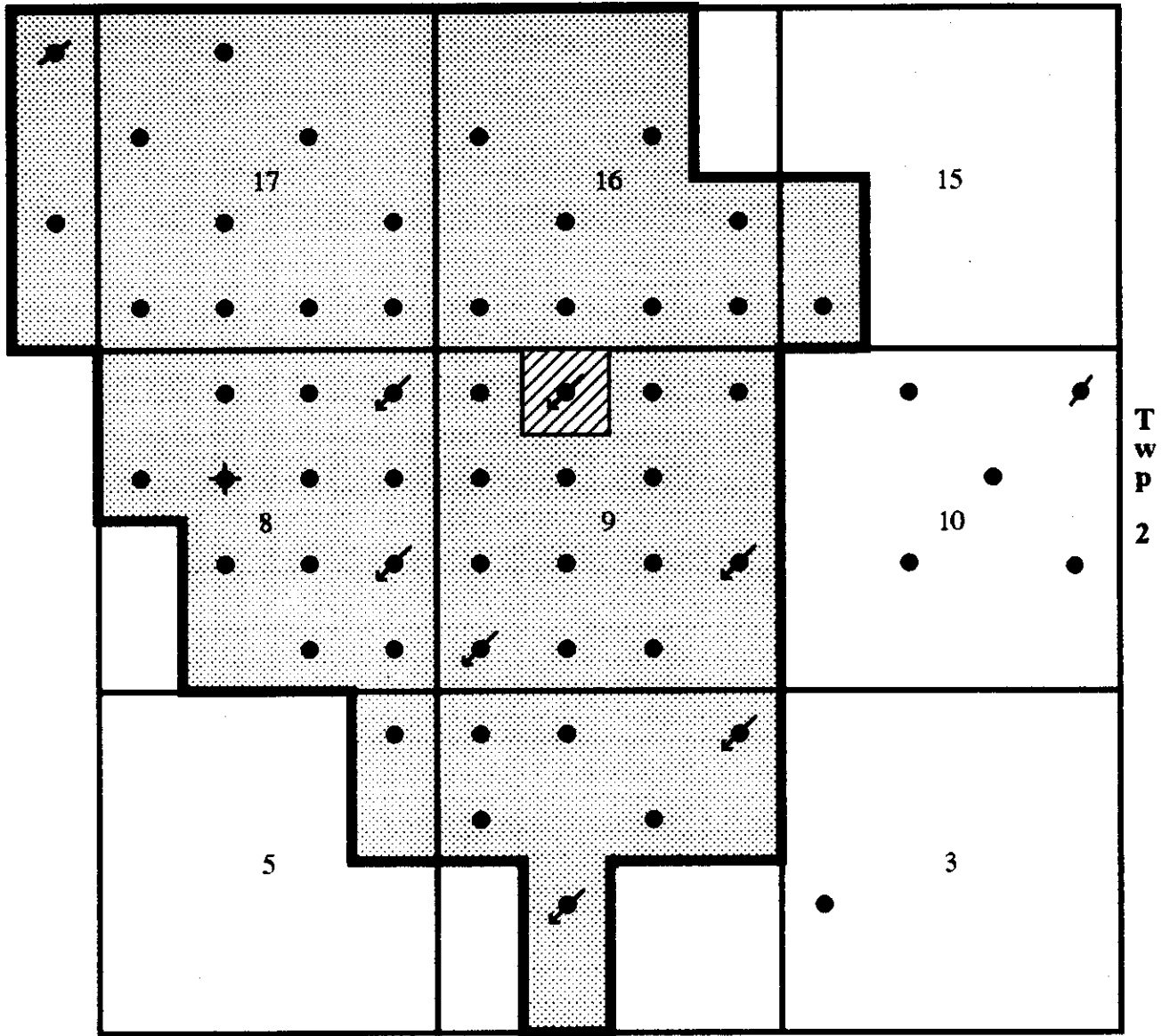
32.4 Ha locations at 10-04, 12-04 and 02-08-002-29 W1M will be drilled prior to the infill locations in order to complete the proposed waterflood area. Locations at 04-08, 08-07 and 16-07-002-29 W1M will also be drilled prior to the infill locations in order to delineate the pool boundary and as possible expansion locations for the waterflood.

Table H-2 South Pierson Production Forecast

Year	Oil/d (m3)	WOR (m3/m3)	Water/d (m3)	GOR (m3/m3)	Gas/d (e3m3)	WGR (m3/e6m3)
1993	118.0	0.86	101.5	60	7.08	14333
1994	121.8	0.86	105.3	60	7.31	14405
1995	99.2	0.87	86.2	60	5.95	14477
1996	89.4	0.87	78.0	60	5.36	14549
1997	79.6	0.88	69.8	60	4.78	14622
1998	85.0	0.88	74.9	60	5.10	14695
1999	84.2	0.89	74.6	60	5.05	14769
2000	83.3	0.89	74.2	60	5.00	14843
2001	82.5	0.90	73.8	60	4.95	14917
2002	82.7	0.90	74.4	60	4.96	14991
2003	80.8	0.90	73.0	60	4.85	15066
2004	80.0	0.91	72.7	60	4.80	15142
2005	79.2	0.91	72.3	60	4.75	15217
2006	78.4	0.92	71.9	60	4.70	15293
2007	77.6	0.92	71.6	60	4.66	15370
2008	76.9	0.93	71.3	60	4.61	15447
2009	76.1	0.93	70.9	60	4.57	15524
2010	75.3	0.94	70.5	60	4.52	15602
2011	74.6	0.94	70.2	60	4.48	15680
2012	73.8	0.95	69.8	60	4.43	15758
2013	73.1	0.95	69.5	60	4.39	15837
2014	72.4	0.95	69.1	60	4.34	15916
2015	71.7	0.96	68.8	60	4.30	15996
2016	70.9	0.96	68.4	60	4.25	16076
2017	70.2	0.97	68.0	60	4.21	16156
2018	69.5	0.97	67.7	60	4.17	16237
2019	68.8	0.98	67.4	60	4.13	16318
2020	68.1	0.98	67.0	60	4.09	16400
2021	67.5	0.99	66.8	60	4.05	16482
2022	66.8	0.99	66.4	60	4.01	16564
2023	66.1	1.00	66.0	60	3.97	16647
2024	65.5	1.00	65.7	60	3.93	16730
2025	64.8	1.01	65.4	60	3.89	16814
2026	64.2	1.01	65.1	60	3.85	16898
2027	63.5	1.02	64.7	60	3.81	16982
2028	62.9	1.02	64.4	60	3.77	17067
2029	40.0	1.03	41.2	60	2.40	17152
2030	20.0	1.03	20.7	60	1.20	17238
2031	0.0	1.04	0.0	0	0.00	0

Cum Oil Prod. 1,038,206 (m3)

FIGURE H-1 - 1993 SOUTH PIERSON DEVELOPMENT



Rge 29 W1M

 Proposed Waterflood Area

 Central Facilities





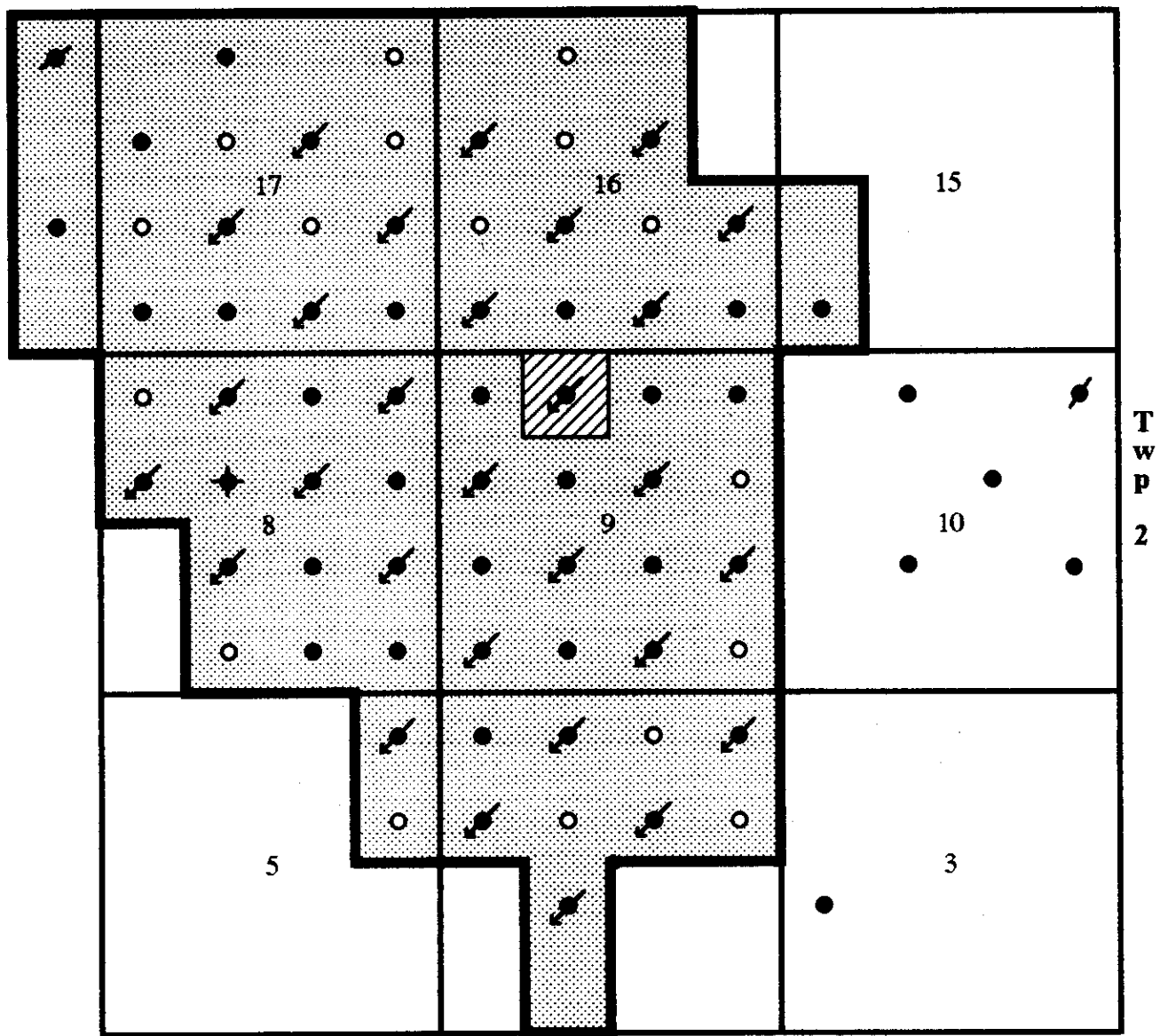
-  Injection Well
-  Current Producing Wells
-  1992 Infill Wells
-  1993 Infill Wells

FIGURE H-2- 1994 SOUTH PIERSON DEVELOPMENT



 **Proposed Waterflood Area**

 **Central Facilities**






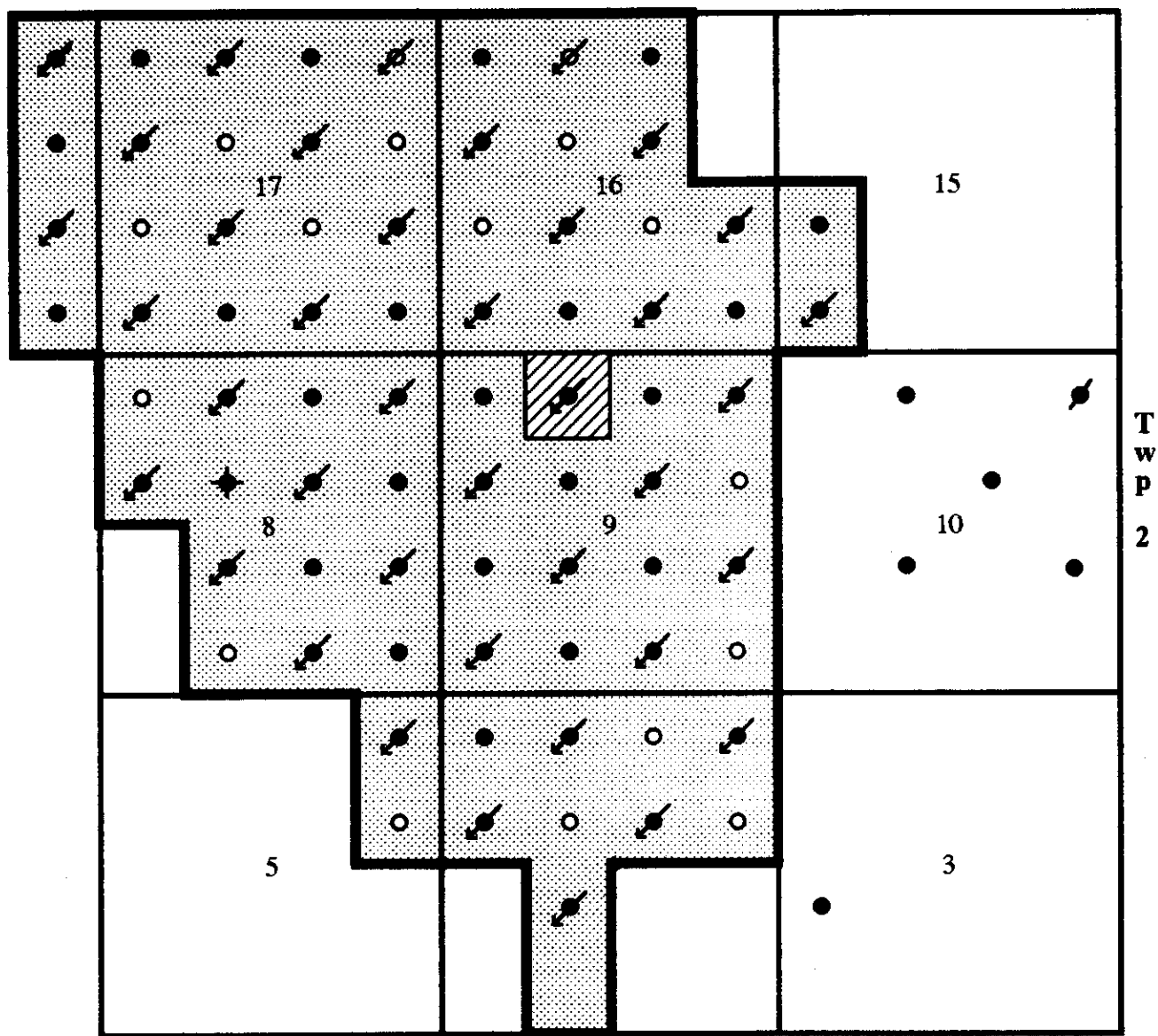
-  **Injection Well**
-  **Current Producing Wells**
-  **1992 Infill Wells**
-  **1993 Infill Wells**
-  **1994 Infill Wells**







FIGURE H-3 - 1995 SOUTH PIERSON DEVELOPMENT



Rge 29 W1M

 Proposed Waterflood Area

 Central Facilities

-  Injection Well
-  Current Producing Wells
-  1992 Infill Wells
-  1993 Infill Wells
-  1994 Infill Wells
-  1995 Infill Wells