

VIRDEN ROSELEA UNIT No. 1
PROGRESS REPORT
January 1 to December 31, 2010

Enerplus Corporation
Manitoba Team
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Introduction

Viriden Roselea Unit No. 1 became effective July, 1965. This report summarizes the operations of the Unit for the period from January 1 to December 31, 2010 and discusses the performance of the Project to date. The area map of the Viriden Roselea Unit No. 1 is shown in Figure 1.

Discussion

Oil Production

In 2010, oil production rate for the Unit averaged 70.6 m³/d with a WOR of 23.1 m³/ m³. In comparison, the average oil production rate for 2009 was 83.9 m³/d with a WOR of 14.5 m³/m³. The decrease in oil production is partly the result of increasing water cut, shut-in or downtime for facility consolidation/upgrades and shut-in of a number of producers due to inadequate water handling capacity. A new horizontal well, 102/08-20-010-25W1 was drilled in 2010 and came on production in late December but did not contribute significantly towards annualized production rate for 2010. A list of well servicing jobs in 2010 is shown in Table 1.

Total oil production in 2010 is 25,790 m³. Cumulative oil production since commencement of production is 2,862.5 E3m³. Details of the production data are shown in Table 4 as well as graphically in the attached figures.

Water Injection

Average water injection rate for the Unit in 2010 was 1628 m³/d, an increase from the 2009 average rate of 1219 m³/d. There was one injector conversion late in the year: Hz 03/01-25-010-25W1; however injection operations did not commence during 2010 and it is expected to begin injecting water in 2011.

Cumulative water injected to December 31, 2010 is 30,966 E3m³. Details of the water injection data are also shown in Table 4 as well as the attached figures.

Voidage

The total project voidage during 2010 was 570.45 E3m³, resulting in the voidage replacement ratio (VRR) of 1.042. It is important to note that there is an aquifer of moderate strength that is providing pressure support to the west side of the Unit, near Sections 23 and 26-010-26 W1M. The VRR calculation does not account for the water influx since its exact rate of production at the wells is difficult to quantify. All of the total water produced from Roselea Unit 1 is injected back into the reservoir and is included in the injection volume for voidage calculations.

Cumulative total voidage from commencement of production to December 31, 2010 is 22,821 E3m³ and the cumulative VRR is 0.86. Oil formation volume factor used in calculations is 1.05 m³/stm³. Detailed voidage calculations are shown in Table 4.

Reservoir Pressure

In 2010, reservoir pressure has been recorded in 44 wells. Most of the pressure tests were AWS (Acoustic Well Sounder) measurements, with the exception of the new horizontal well drilled in 2010 which had pressure build-up test with BH gauges and another vertical well (102/10-21-010-25W1/0) where an AWS Build-up was conducted. The pressures range widely, depending on the well location in the pool, the length of shut-in and voidage replacement history. It should be noted that the estimated initial reservoir pressure is 6340 kPaa and the bubble point pressure is 12656 kPaa.

Based on the available pressure tests, the average reservoir pressure in the Unit in 2010 is 8245 kPa. This value is higher than both initial reservoir pressure and the bubble point pressure. A summary of the pressure data is given in Table 2.

Recovery

Based on the current estimated OOIP of 149,349 E3m³, current recovery factor is 25.0%.

Waterflood Patterns

The Virden Roselea Unit No. 1 waterflood was originally developed mainly as inverted 9-spot patterns, which are still considered to be the waterflood patterns over a large area in the Unit. However, with subsequent horizontal well (production) drilling in some parts of the reservoir and some injection conversions added, some of the patterns' shapes are other than inverted 9-spot. The current pattern map is shown in Figure 2.

A list of waterflood patterns and corresponding injectors is given in Table 3. Table 4 provides detailed production, injection, pressure and voidage for each pattern.

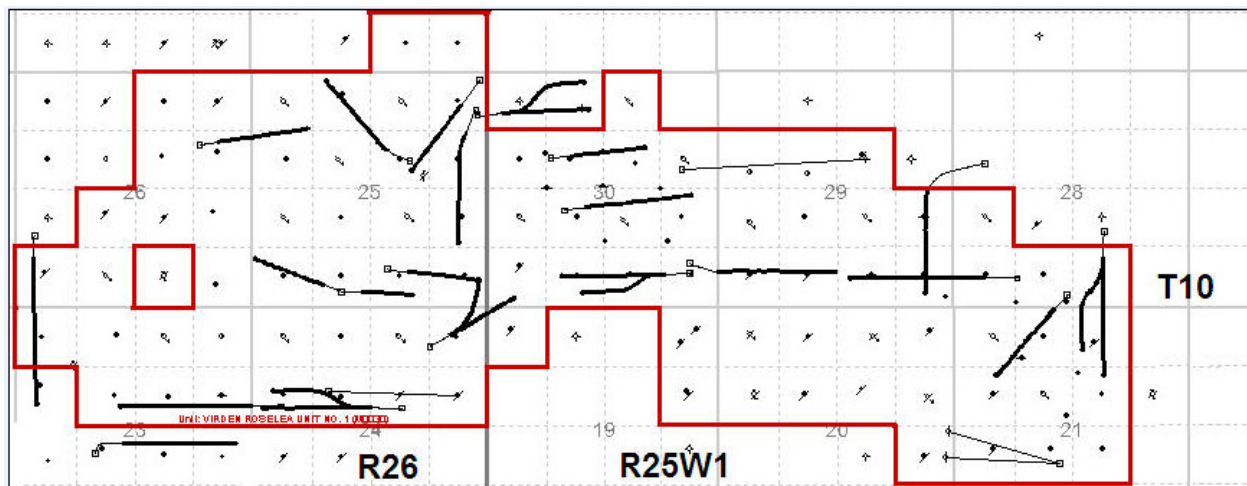


Figure 1: Virden Roselea Unit No. 1 Map

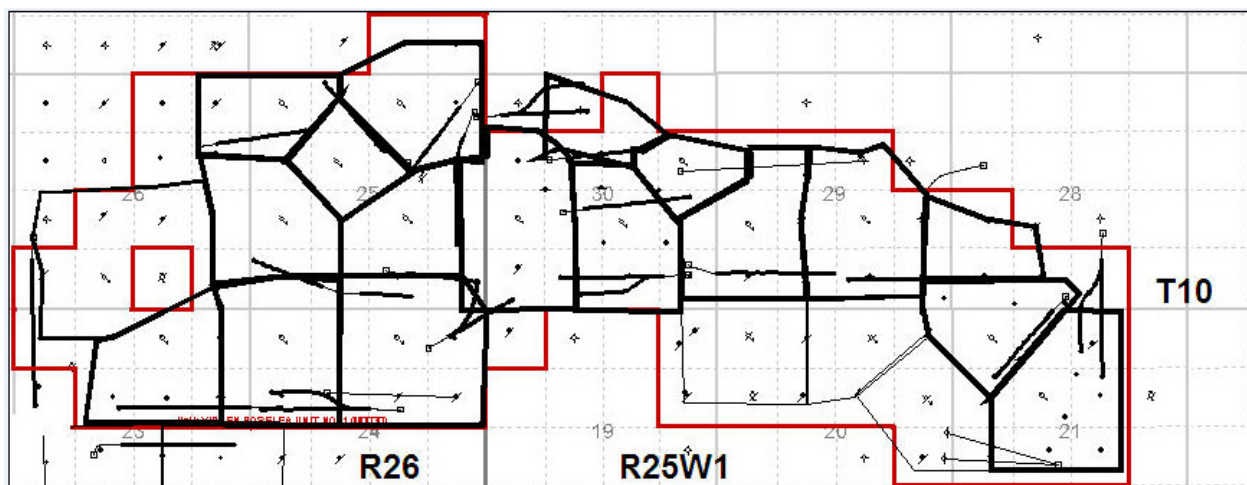


Figure 2: Pattern Map

Table 1: Well Servicing Report

UWI	Start Date	Type	Objective
100/12-23-010-26W1/00	1/11/2010	Maintenance	Pull and replace PCP.
100/15-25-010-26W1/00	5/10/2010	Maintenance	Backflow well to clean out, stim with 6.0 m3 15% HCL.
100/07-30-010-25W1/00	5/11/2010	Maintenance	Backflow well. Bullhead 6.0 m3 15% HcL, displace with 3.5 m3 produced water.
102/12-24-010-26W1/00	5/20/2010	Maintenance	Pump change.
100/15-25-010-26W1/00	6/28/2010	Maintenance	Replace failed packer and tubing.
100/08-30-010-25W1/00	6/30/2010	Maintenance	Semi -annual corrosion squeeze.
1B0/10-30-010-25W1/00	11/10/2010	Abandon Well	Abandon well: Waiting on cut and cap.
100/08-30-010-25W1/00	11/14/2010	Maintenance	Semi-annual corrosion squeeze.
1D0/12-30-010-25W1/00	11/15/2010	Abandon Well	Abandon well in compliance to Petroleum Branch, Section# 56 (Zonal abandonment, cut and cap subject wellbore). Waiting on cut and cap to be performed.
102/09-19-010-25W1/00	11/17/2010	Abandon Well	Abandon well in compliance to Petroleum Branch, Section #56 (Zonal abandonment, cut and cap subject wellbore).
1B0/11-30-010-25W1/00	11/21/2010	Abandon Well	Abandon well in compliance to Petroleum Branch, Section# 56 (Zonal abandonment, cut and cap subject well. Waiting on cut and cap to be performed.
103/01-25-010-26W1/00	11/21/2010	Workover	Install casing liner, convert well to W/W.
102/08-20-010-25W1/00	11/29/2010	Original	Complete and equip multi horizontal well.
102/03-29-010-25W1/00	12/8/2010	Workover	Attempt water shut off.
100/11-29-010-25W1/00	12/11/2010	Abandon Well	Abandon well in compliance with Petroleum Branch, section# 56. (Zonal abandonment, cut and cap subject wellbore).
100/08-29-010-25W1/00	12/11/2010	Abandon Well	Abandon well in compliance to Petroleum Branch, Section# 56 (Zonal abandonment, cut and cap subject wellbore.)

Table 2: 2010 Pressure Surveys

Well	Test Date	Test Type	Shut-in since	Shut-in Period (days)	BH Pressure (kPaa)
02/09-19-010-25W1/0	September 9, 2010	AWS	September 5, 2004	2195	3,393
02/08-20-010-25W1/0	December 12, 2010	BH Build-up	2010 New Drill	14	6,985
00/06-21-010-25W1/0	September 9, 2010	AWS	October 26, 2009	318	7,092
00/07-21-010-25W1/0	September 9, 2010	AWS	June 8, 2009	458	8,067
C0/10-21-010-25W1/0	September 13, 2010	AWS	September 3, 2010	10	6,501
02/10-21-010-25W1/0	September 13, 2010	AWS Build-up	September 3, 2010	10	6,692
02/12-21-010-25W1/0	September 13, 2010	AWS	September 3, 2010	10	6,648
00/14-21-010-25W1/0	September 9, 2010	AWS	April 11, 2007	1247	5,550
00/02-28-010-25W1/0	September 9, 2010	AWS	August 24, 2004	2207	5,214
02/03-28-010-25W1/0	September 13, 2010	AWS	September 3, 2010	10	5,971
00/04-28-010-25W1/0	September 13, 2010	AWS	September 3, 2010	10	6,138
00/01-29-010-25W1/0	September 9, 2010	AWS	July 15, 2010	56	6,441
02/01-29-010-25W1/0	September 13, 2010	AWS	September 3, 2010	10	7,862
00/02-29-010-25W1/0	September 9, 2010	AWS	December 5, 2009	278	5,562
00/06-29-010-25W1/0	September 9, 2010	AWS	August 24, 2008	746	5,646
00/11-29-010-25W1/0	September 9, 2010	AWS	November 28, 2006	1381	5,581
00/03-30-010-25W1/0	September 30, 2010	AWS	July 25, 2010	67	5,293
00/06-30-010-25W1/0	September 30, 2010	AWS	September 27, 2010	3	9,756
02/08-30-010-25W1/0	September 27, 2010	AWS	July 5, 2008	814	10,496
B0/10-30-010-25W1/0	September 27, 2010	AWS	July 1, 2004	2279	8,519
00/12-30-010-25W1/0	September 27, 2010	AWS	June 15, 2009	469	6,315
D0/12-30-010-25W1/0	September 27, 2010	AWS	September 1, 2004	2217	9,194
00/09-23-010-26W1/0	November 12, 2010	AWS	July 1, 2005	1960	4,325
00/10-23-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	4,288
02/11-23-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	4,592
00/12-23-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	6,318
00/13-23-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	1,127
00/14-23-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	6,491
00/16-23-010-26W1/0	November 12, 2010	AWS	June 27, 2007	1234	4,203
00/11-24-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	4,721
00/12-24-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	979
00/14-24-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	1,063
00/16-24-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	9,619
00/02-25-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	6,487
02/02-25-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	8,154
00/03-25-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	2,124
02/04-25-010-26W1/0	November 26, 2010	AWS	October 16, 2010	41	8,031
00/06-25-010-26W1/0	November 12, 2010	AWS	August 15, 2004	2280	14,413
00/12-25-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	4,796
02/13-25-010-26W1/0	September 27, 2010	AWS	November 19, 2008	677	6,556
00/01-26-010-26W1/0	November 26, 2010	AWS	November 22, 2010	4	941
00/08-26-010-26W1/0	September 27, 2010	AWS	January 27, 2008	974	6,788
00/09-26-010-26W1/0	September 27, 2010	AWS	August 12, 2009	411	5,428
00/10-26-010-26W1/0	September 27, 2010	AWS	June 14, 2009	470	5,844
		AVERAGE RESERVOIR PRESSURE in 2010 -----			6050

Table 3: Waterflood Patterns and Corresponding Injectors

Pattern	Well
PAT 03-26	100/03-26-010-26W1/00
PAT 05-25	100/05-25-010-26W1/00
PAT 05-28	100/05-28-010-25W1/00
PAT 05-29	100/05-29-010-25W1/00
PAT 05-30	100/05-30-010-25W1/00
PAT 07-25	100/07-25-010-26W1/00
PAT 07-29	100/07-29-010-25W1/00
PAT 07-30	100/07-30-010-25W1/00
PAT 11-21	100/11-21-010-25W1/00
PAT 11-25	100/11-25-010-26W1/00
PAT 13-21	100/13-21-010-25W1/00
PAT 13-24	100/13-24-010-26W1/00
PAT 15-23	100/15-23-010-26W1/00
PAT 15-24	100/15-24-010-26W1/00
PAT 15-25	100/15-25-010-26W1/00
PAT 09-30	100/09-30-010-25W1/00
PAT 13-25	100/13-25-010-26W1/00
PAT 15-30	100/15-30-010-25W1/00

Table 4

Virden Roselea Unit No. 1

Total for Project

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	2461.80	79.41	52562.60	1695.57	21.35	55497.00	1790.23	5738	0.987	0.853
Feb-10	2224.30	79.44	35415.80	1264.85	15.92	37262.00	1330.79	5721	1.072	0.853
Mar-10	2334.10	75.29	24394.90	786.93	10.45	25818.40	832.85	5688	0.943	0.853
Apr-10	2256.70	75.22	40811.30	1360.38	18.08	63432.00	2114.40	5639	1.489	0.854
May-10	2147.20	69.26	44429.80	1433.22	20.69	46707.00	1506.68	5331	0.981	0.855
Jun-10	2179.70	72.66	29559.40	985.31	13.56	30767.00	1025.57	5407	0.979	0.855
Jul-10	2084.50	67.24	30330.20	978.39	14.55	31420.40	1013.56	4972	0.948	0.855
Aug-10	2180.80	70.35	33643.10	1085.26	15.43	35397.70	1141.86	5108	0.966	0.855
Sep-10	1931.10	64.37	160842.20	5361.41	83.29	169596.41	5653.21	4990	1.055	0.857
Oct-10	2140.90	69.06	35508.70	1145.44	16.59	37358.00	1205.10	4536	0.970	0.857
Nov-10	1784.40	59.48	26008.50	866.95	14.58	27476.00	915.87	4975	0.999	0.857
Dec-10	2054.90	66.29	29824.20	962.07	14.51	31575.00	1018.55	4952	0.968	0.857
Cumulative Oil Produced (E3m3)					2862.256					
Cumulative Water Produced (E3m3)					19813.356					
Cumulative Water Injected (E3m3)					19459.983					

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 03-26

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemnt Ratio
Jan-10	195.30	6.30	4716.20	152.14	24.15	1260.00	40.65	4800	0.251	0.361
Feb-10	179.70	6.42	3244.58	115.88	18.06	870.00	31.07	4800	0.275	0.361
Mar-10	206.40	6.66	2422.05	78.13	11.73	1113.00	35.90	4835	0.414	0.361
Apr-10	196.92	6.56	3938.33	131.28	20.00	1700.00	56.67	5903	0.416	0.361
May-10	201.40	6.50	4785.15	154.36	23.76	1711.00	55.19	6003	0.336	0.361
Jun-10	190.48	6.35	3174.38	105.81	16.67	1037.00	34.57	6103	0.311	0.361
Jul-10	180.40	5.82	2852.15	92.00	15.81	1140.00	36.77	6194	0.368	0.361
Aug-10	218.30	7.04	3390.35	109.37	15.53	1325.00	42.74	6006	0.359	0.361
Sep-10	223.45	7.45	17154.02	571.80	76.77	15175.00	505.83	6173	0.884	0.368
Oct-10	225.85	7.29	3443.17	111.07	15.25	1128.00	36.39	5381	0.301	0.368
Nov-10	173.02	5.77	2381.90	79.40	13.77	1185.00	39.50	5023	0.468	0.368
Dec-10	224.95	7.26	2964.30	95.62	13.18	1216.00	39.23	3800	0.373	0.368

Cumulative Oil Produced (E3m3) 105.343

Cumulative Water Produced (E3m3) 1176.254

Cumulative Water Injected (E3m3) 472.467

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 05-25

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	18.73	0.60	1232.84	39.77	65.83	2858.00	92.19	6006	2.238	0.609
Feb-10	16.19	0.58	794.50	28.38	49.07	3185.00	113.75	6193	4.261	0.611
Mar-10	19.23	0.62	614.97	19.84	31.98	2026.00	65.35	6006	3.128	0.612
Apr-10	17.61	0.59	950.07	31.67	53.97	2456.00	81.87	6200	2.570	0.613
May-10	20.44	0.66	1181.13	38.10	57.79	2071.00	66.81	6200	1.689	0.614
Jun-10	23.59	0.79	658.93	21.96	27.93	1318.00	43.93	6193	1.953	0.615
Jul-10	30.55	0.99	970.39	31.30	31.77	1419.00	45.77	6000	1.388	0.615
Aug-10	29.04	0.94	731.29	23.59	25.19	2119.00	68.35	6000	2.728	0.616
Sep-10	29.37	0.98	3876.87	129.23	132.01	36412.00	1213.73	5933	9.442	0.639
Oct-10	15.30	0.49	372.37	12.01	24.33	1704.00	54.97	4045	4.302	0.640
Nov-10	1.76	0.06	14.94	0.50	8.49	1983.00	66.10	5567	119.703	0.642
Dec-10	22.55	0.73	501.96	16.19	22.26	2285.00	73.71	5806	4.263	0.643
Cumulative Oil Produced (E3m3)					103.941					
Cumulative Water Produced (E3m3)					1402.534					
Cumulative Water Injected (E3m3)					969.383					

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 05-28

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacem Ratio
Jan-10	99.15	3.20	1116.45	36.01	11.26	774.00	24.97	3613	0.622	2.478
Feb-10	88.85	3.17	723.15	25.83	8.14	1016.00	36.29	4000	1.351	2.475
Mar-10	93.00	3.00	517.35	16.69	5.56	1.20	0.04	3974	0.002	2.471
Apr-10	87.45	2.91	842.00	28.07	9.63	1879.00	62.63	3227	2.039	2.470
May-10	90.55	2.92	1007.20	32.49	11.12	1126.00	36.32	4000	1.002	2.465
Jun-10	95.70	3.19	798.45	26.61	8.34	1437.00	47.90	3973	1.620	2.463
Jul-10	77.50	2.50	686.70	22.15	8.86	1758.00	56.71	3194	2.245	2.462
Aug-10	71.20	2.30	683.70	22.05	9.60	978.00	31.55	2974	1.264	2.460
Sep-10	43.40	1.45	2211.90	73.73	50.97	1003.00	33.43	2200	0.450	2.447
Oct-10	74.25	2.40	734.90	23.71	9.90	1255.00	40.48	2252	1.514	2.445
Nov-10	63.00	2.10	536.90	17.90	8.52	1129.00	37.63	3800	1.897	2.444
Dec-10	75.05	2.42	702.25	22.65	9.36	1578.00	50.90	3800	1.981	2.443
Cumulative Oil Produced (E3m3)					60.726					
Cumulative Water Produced (E3m3)					294.014					
Cumulative Water Injected (E3m3)					867.787					

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 05-29

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemnt Ratio
Jan-10	10.56	0.34	413.58	13.34	39.15			6400		1.914
Feb-10	9.47	0.34	272.79	9.74	28.81	0.00	0.00	6400	0.000	1.913
Mar-10	9.66	0.31	175.54	5.66	18.17	0.00	0.00	6303	0.000	1.912
Apr-10	9.72	0.32	316.96	10.57	32.60	1708.00	56.93	3407	5.290	1.914
May-10	10.06	0.32	342.20	11.04	34.03	901.00	29.06	3613	2.505	1.915
Jun-10	11.36	0.38	225.62	7.52	19.85	437.00	14.57	3973	1.864	1.915
Jul-10	11.76	0.38	244.98	7.90	20.83	425.00	13.71	3200	1.620	1.914
Aug-10	11.59	0.37	270.55	8.73	23.35	587.00	18.94	3200	2.036	1.915
Sep-10	10.10	0.34	1272.82	42.43	125.97	720.00	24.00	3200	0.568	1.911
Oct-10	11.29	0.36	290.70	9.38	25.74	720.00	23.23	3200	2.334	1.912
Nov-10	10.52	0.35	238.83	7.96	22.71	0.00	0.00	3200	0.000	1.911
Dec-10	11.18	0.36	246.38	7.95	22.04	0.00	0.00	3200	0.000	1.910

Cumulative Oil Produced (E3m3) 152.787

Cumulative Water Produced (E3m3) 413.607

Cumulative Water Injected (E3m3) 1083.086

Table 4

Virden Roselea Unit No. 1

Pattern: Pat 05-30

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	92.43	2.98	3574.90	115.32	38.68	9011.00	290.68	7761	2.407	1.404
Feb-10	83.40	2.98	2372.23	84.72	28.45	6533.00	233.32	6607	2.884	1.406
Mar-10	85.89	2.77	1555.09	50.16	18.11	6547.70	211.22	6800	3.903	1.409
Apr-10	81.29	2.71	2798.29	93.28	34.42	16571.00	552.37	6787	5.823	1.416
May-10	75.19	2.43	3164.64	102.09	42.09	11933.00	384.94	6406	3.608	1.420
Jun-10	65.99	2.20	1494.88	49.83	22.65	7309.00	243.63	6603	4.735	1.424
Jul-10	74.18	2.39	1845.27	59.52	24.87	6491.00	209.39	6700	3.310	1.426
Aug-10	68.26	2.20	2129.97	68.71	31.21	5662.00	182.65	6700	2.522	1.427
Sep-10	60.71	2.02	9696.53	323.22	159.71	7922.00	264.07	6683	0.822	1.424
Oct-10	69.47	2.24	2210.23	71.30	31.81	7839.00	252.87	6216	3.367	1.426
Nov-10	65.36	2.18	2037.99	67.93	31.18	5875.00	195.83	6697	2.826	1.428
Dec-10	76.49	2.47	2352.81	75.90	30.76	8464.00	273.03	6600	3.411	1.431

Cumulative Oil Produced (E3m3) 304.073

Cumulative Water Produced (E3m3) 1413.065

Cumulative Water Injected (E3m3) 2460.080

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 07-25

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	124.09	4.00	4364.11	140.78	35.17	3258.00	105.10	5587	0.711	1.018
Feb-10	111.20	3.97	2893.20	103.33	26.02	2891.00	103.25	5207	1.043	1.018
Mar-10	118.38	3.82	1955.79	63.09	16.52	3695.00	119.19	5468	1.742	1.020
Apr-10	112.06	3.74	3436.60	114.55	30.67	3877.00	129.23	7490	1.105	1.020
May-10	103.76	3.35	3869.03	124.81	37.29	2634.00	84.97	7200	0.649	1.019
Jun-10	72.83	2.43	1585.51	52.85	21.77	2030.00	67.67	7207	1.238	1.019
Jul-10	79.17	2.55	1814.44	58.53	22.92	2463.00	79.45	7368	1.273	1.019
Aug-10	82.72	2.67	2171.98	70.06	26.26	4077.00	131.52	6400	1.770	1.021
Sep-10	63.06	2.10	9404.95	313.50	149.14	1976.00	65.87	6400	0.211	1.014
Oct-10	83.50	2.69	2380.28	76.78	28.51	2982.00	96.19	6406	1.185	1.015
Nov-10	73.31	2.44	1711.97	57.07	23.35	2093.00	69.77	6507	1.186	1.015
Dec-10	89.48	2.89	2102.38	67.82	23.49	2590.00	83.55	6587	1.156	1.015

Cumulative Oil Produced (E3m3) 213.445

Cumulative Water Produced (E3m3) 971.242

Cumulative Water Injected (E3m3) 1204.086

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 07-29

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	13.90	0.45	462.95	14.93	33.31			6400		1.143
Feb-10	12.50	0.45	299.85	10.71	23.99	0.00	0.00	6400	0.000	1.142
Mar-10	13.20	0.43	216.25	6.98	16.38	0.00	0.00	6400	0.000	1.142
Apr-10	12.75	0.42	357.95	11.93	28.07	0.00	0.00	6307	0.000	1.141
May-10	12.75	0.41	426.20	13.75	33.43	225.00	7.26	3613	0.502	1.141
Jun-10	13.05	0.43	340.65	11.35	26.10	125.00	4.17	4000	0.357	1.140
Jul-10	8.40	0.27	235.20	7.59	28.00	121.00	3.90	4000	0.486	1.140
Aug-10	4.20	0.14	178.20	5.75	42.43	157.00	5.06	4000	0.843	1.140
Sep-10	2.55	0.08	551.75	18.39	216.37	300.00	10.00	4000	0.548	1.139
Oct-10	14.20	0.46	309.70	9.99	21.81	300.00	9.68	4000	0.906	1.139
Nov-10	10.50	0.35	203.90	6.80	19.42	0.00	0.00	4000	0.000	1.139
Dec-10	14.60	0.47	295.90	9.55	20.27	0.00	0.00	4000	0.000	1.138
Cumulative Oil Produced (E3m3)					114.780					
Cumulative Water Produced (E3m3)					516.832					
Cumulative Water Injected (E3m3)					720.059					

Table 4

Virden Roselea Unit No. 1

Pattern: PAt 07-30

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	376.76	12.15	3340.54	107.76	8.87	270.00	8.71	7574	0.071	0.768
Feb-10	339.05	12.11	2205.56	78.77	6.51	399.00	14.25	6800	0.169	0.766
Mar-10	346.04	11.16	1419.57	45.79	4.10	399.50	12.89	6832	0.220	0.765
Apr-10	333.19	11.11	2580.30	86.01	7.74	854.00	28.47	7800	0.295	0.764
May-10	336.59	10.86	2901.02	93.58	8.62	169.00	5.45	7761	0.051	0.761
Jun-10	363.96	12.13	1973.91	65.80	5.42	2124.00	70.80	6610	0.914	0.762
Jul-10	368.36	11.88	2158.76	69.64	5.86	2002.00	64.58	6897	0.771	0.762
Aug-10	389.57	12.57	2392.02	77.16	6.14	1533.00	49.45	6800	0.537	0.761
Sep-10	345.32	11.51	11225.99	374.20	32.51	396.00	13.20	6773	0.035	0.752
Oct-10	389.41	12.56	2571.49	82.95	6.60	1455.00	46.94	6052	0.479	0.751
Nov-10	360.77	12.03	2084.16	69.47	5.78	972.00	32.40	6797	0.400	0.750
Dec-10	375.09	12.10	2099.59	67.73	5.60	1000.00	32.26	6700	0.393	0.750
Cumulative Oil Produced (E3m3)					317.011					
Cumulative Water Produced (E3m3)					634.236					
Cumulative Water Injected (E3m3)					713.703					

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 11-21

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	113.55	3.66	1395.30	45.01	12.29	799.00	25.77	3903	0.517	0.837
Feb-10	100.45	3.59	895.20	31.97	8.91	1038.00	37.07	4000	1.126	0.838
Mar-10	108.05	3.49	651.75	21.02	6.03	11.40	0.37	3974	0.015	0.837
Apr-10	100.10	3.34	1043.95	34.80	10.43	2221.00	74.03	3227	1.959	0.839
May-10	89.35	2.88	1145.65	36.96	12.82	1238.00	39.94	4003	0.979	0.839
Jun-10	88.00	2.93	773.00	25.77	8.78	1000.00	33.33	4070	1.171	0.839
Jul-10	114.75	3.70	783.95	25.29	6.83	1092.00	35.23	3194	1.184	0.840
Aug-10	132.20	4.26	904.35	29.17	6.84	641.00	20.68	2968	0.603	0.840
Sep-10	92.10	3.07	3949.10	131.64	42.88	687.00	22.90	2013	0.172	0.836
Oct-10	130.30	4.20	1090.25	35.17	8.37	1111.00	35.84	1800	0.888	0.836
Nov-10	94.95	3.16	711.50	23.72	7.49	1.00	0.03	1800	0.001	0.835
Dec-10	112.90	3.64	601.60	19.41	5.33	0.00	0.00	1800	0.000	0.834

Cumulative Oil Produced (E3m3) 91.985

Cumulative Water Produced (E3m3) 569.597

Cumulative Water Injected (E3m3) 552.055

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 11-25

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	60.88	1.96	2430.19	78.39	39.92	17770.00	573.23	6000	6.987	1.189
Feb-10	54.53	1.95	1602.74	57.24	29.39	2245.00	80.18	6014	1.468	1.190
Mar-10	55.97	1.81	1032.45	33.30	18.45	2337.00	75.39	6339	2.100	1.193
Apr-10	55.67	1.86	1833.20	61.11	32.93	2591.00	86.37	4503	1.388	1.194
May-10	53.81	1.74	1789.62	57.73	33.26	2578.00	83.16	4606	1.369	1.195
Jun-10	58.63	1.95	1195.84	39.86	20.40	1349.00	44.97	4800	1.087	1.195
Jul-10	50.55	1.63	1065.27	34.36	21.07	1176.00	37.94	4800	1.031	1.194
Aug-10	64.72	2.09	1436.58	46.34	22.20	2206.00	71.16	4794	1.438	1.195
Sep-10	59.92	2.00	6920.19	230.67	115.50	40367.00	1345.57	4587	5.858	1.282
Oct-10	64.64	2.09	1564.04	50.45	24.20	1445.00	46.61	4200	0.868	1.280
Nov-10	59.89	2.00	1305.39	43.51	21.79	1118.00	37.27	4920	0.828	1.279
Dec-10	64.06	2.07	1325.71	42.76	20.69	1013.00	32.68	5219	0.713	1.277

Cumulative Oil Produced (E3m3) 89.220

Cumulative Water Produced (E3m3) 289.083

Cumulative Water Injected (E3m3) 483.178

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 13-21

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	95.60	3.08	1062.10	34.26	11.11	3811.00	122.94	4200	3.215	0.469
Feb-10	85.60	3.06	688.00	24.57	8.04	931.00	33.25	4200	1.299	0.470
Mar-10	89.65	2.89	491.95	15.87	5.49	1.30	0.04	4168	0.002	0.470
Apr-10	84.20	2.81	800.00	26.67	9.50	2050.00	68.33	3233	2.338	0.471
May-10	87.35	2.82	964.35	31.11	11.04	1238.00	39.94	4197	1.150	0.472
Jun-10	93.45	3.12	750.20	25.01	8.03	625.00	20.83	4043	0.747	0.472
Jul-10	79.65	2.57	728.75	23.51	9.15	364.00	11.74	2387	0.439	0.472
Aug-10	78.40	2.53	842.15	27.17	10.74	245.00	7.90	1984	0.260	0.472
Sep-10	47.85	1.60	2691.25	89.71	56.24	265.00	8.83	1503	0.098	0.471
Oct-10	69.95	2.26	697.15	22.49	9.97	369.00	11.90	1606	0.470	0.471
Nov-10	59.55	1.98	509.60	16.99	8.56	388.00	12.93	1800	0.687	0.471
Dec-10	70.35	2.27	666.55	21.50	9.47	602.00	19.42	1800	0.797	0.471
Cumulative Oil Produced (E3m3)					141.378					
Cumulative Water Produced (E3m3)					848.584					
Cumulative Water Injected (E3m3)					467.917					

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 13-24

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	73.05	2.36	1900.25	61.30	26.01	2446.00	78.90	5794	1.213	1.588
Feb-10	64.07	2.29	1234.20	44.08	19.26	2582.00	92.21	5579	2.154	1.589
Mar-10	74.10	2.39	943.15	30.42	12.73	2204.00	71.10	5006	2.117	1.590
Apr-10	69.93	2.33	1483.85	49.46	21.22	3409.00	113.63	5183	2.218	1.592
May-10	74.18	2.39	1829.75	59.02	24.67	4413.00	142.35	4700	2.269	1.593
Jun-10	71.68	2.39	1065.48	35.52	14.87	2899.00	96.63	4710	2.575	1.595
Jul-10	81.05	2.61	1154.72	37.25	14.25	2172.00	70.06	4994	1.718	1.595
Aug-10	85.82	2.77	1190.47	38.40	13.87	2850.00	91.94	4800	2.182	1.596
Sep-10	86.18	2.87	6198.77	206.63	71.93	3003.00	100.10	4800	0.484	1.587
Oct-10	71.78	2.32	831.92	26.84	11.59	3489.00	112.55	4806	3.771	1.589
Nov-10	46.65	1.56	340.65	11.36	7.30	3270.00	109.00	5070	8.504	1.593
Dec-10	61.97	2.00	886.45	28.60	14.30	3761.00	121.32	5413	3.876	1.596

Cumulative Oil Produced (E3m3) 101.728

Cumulative Water Produced (E3m3) 667.278

Cumulative Water Injected (E3m3) 1228.530

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 15-23

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	163.50	5.27	3089.20	99.65	18.89	867.00	27.97	4800	0.261	1.001
Feb-10	139.60	4.99	1966.78	70.24	14.09	2364.00	84.43	4800	1.214	1.002
Mar-10	165.70	5.35	1521.95	49.10	9.18	2345.00	75.65	4803	1.356	1.002
Apr-10	154.92	5.16	2420.42	80.68	15.62	2842.00	94.73	4903	1.115	1.002
May-10	152.80	4.93	2831.25	91.33	18.53	2927.00	94.42	5006	0.959	1.002
Jun-10	150.97	5.03	1870.88	62.36	12.39	1468.00	48.93	5200	0.733	1.002
Jul-10	146.20	4.72	1725.85	55.67	11.80	1626.00	52.45	5206	0.848	1.002
Aug-10	142.30	4.59	1877.65	60.57	13.20	2965.00	95.65	5403	1.434	1.002
Sep-10	145.15	4.84	9980.03	332.67	68.76	22699.00	756.63	5490	2.270	1.015
Oct-10	141.35	4.56	1936.48	62.47	13.70	2530.00	81.61	5200	1.190	1.016
Nov-10	105.13	3.50	1350.60	45.02	12.85	1099.00	36.63	4893	0.762	1.015
Dec-10	148.45	4.79	1752.40	56.53	11.80	1424.00	45.94	4819	0.732	1.015

Cumulative Oil Produced (E3m3) 149.046

Cumulative Water Produced (E3m3) 863.331

Cumulative Water Injected (E3m3) 1028.032

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 15-24

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	162.49	5.24	3811.61	122.96	23.46	2139.00	69.00	5206	0.527	0.749
Feb-10	143.15	5.11	2510.32	89.65	17.54	2463.00	87.96	5379	1.005	0.749
Mar-10	164.74	5.31	1882.25	60.72	11.43	2219.00	71.58	4835	1.059	0.750
Apr-10	156.98	5.23	3052.34	101.74	19.44	3508.00	116.93	5890	1.105	0.751
May-10	157.40	5.08	3564.76	114.99	22.65	3411.00	110.03	5594	0.897	0.752
Jun-10	96.92	3.23	1304.15	43.47	13.46	1862.00	62.07	5400	1.342	0.752
Jul-10	100.69	3.25	1028.51	33.18	10.21	1826.00	58.90	5394	1.579	0.753
Aug-10	101.97	3.29	971.33	31.33	9.53	2520.70	81.31	5200	2.292	0.755
Sep-10	91.92	3.06	4354.85	145.16	47.37	31201.40	1040.05	5180	7.103	0.780
Oct-10	108.45	3.50	1625.15	52.42	14.99	1889.00	60.94	4600	1.065	0.781
Nov-10	78.72	2.62	933.32	31.11	11.86	1786.00	59.53	5073	1.781	0.781
Dec-10	74.52	2.40	1092.85	35.25	14.67	2274.00	73.35	5400	1.904	0.783

Cumulative Oil Produced (E3m3) 169.700

Cumulative Water Produced (E3m3) 948.119

Cumulative Water Injected (E3m3) 875.079

Table 4

Virden Roselea Unit No. 1

Pattern: Pat 15-25

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacem Ratio
Jan-10	201.66	6.51	5188.19	167.36	25.73	2274.00	73.35	6006	0.413	0.953
Feb-10	180.72	6.45	3421.62	122.20	18.93	1670.00	59.64	6200	0.502	0.951
Mar-10	184.69	5.96	2202.44	71.05	11.93	5.00	0.16	6219	0.002	0.948
Apr-10	186.09	6.20	3946.49	131.55	21.21	7175.00	239.17	6753	1.755	0.952
May-10	165.53	5.34	3924.59	126.60	23.71	3940.00	127.10	5413	0.943	0.952
Jun-10	155.96	5.20	2466.85	82.23	15.82	0.00	0.00	5607	0.000	0.949
Jul-10	135.20	4.36	2265.16	73.07	16.75	2608.00	84.13	194	1.062	0.949
Aug-10	160.85	5.19	2635.34	85.01	16.38	1785.00	57.58	6000	0.624	0.948
Sep-10	137.62	4.59	12150.84	405.03	88.29	2512.00	83.73	5973	0.207	0.937
Oct-10	155.42	5.01	2781.27	89.72	17.90	2447.00	78.94	5219	0.815	0.936
Nov-10	149.24	4.97	2345.80	78.19	15.72	2041.00	68.03	5807	0.826	0.936
Dec-10	155.83	5.03	2373.38	76.56	15.23	1849.00	59.65	6000	0.715	0.935
Cumulative Oil Produced (E3m3)					135.909					
Cumulative Water Produced (E3m3)					671.695					
Cumulative Water Injected (E3m3)					756.102					

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 09-30

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	34.24	1.10	462.62	14.92	13.51	2582.00	83.29	7226	5.079	0.749
Feb-10	30.76	1.10	305.12	10.90	9.92	2904.00	103.71	7993	9.344	0.758
Mar-10	31.34	1.01	196.34	6.33	6.26	2907.80	93.80	7800	12.438	0.766
Apr-10	31.67	1.06	354.57	11.82	11.20	4442.00	148.07	7790	11.607	0.778
May-10	32.18	1.04	376.32	12.14	11.69	2702.00	87.16	7490	6.461	0.785
Jun-10	35.48	1.18	306.55	10.22	8.64	1187.00	39.57	7207	3.499	0.788
Jul-10	34.03	1.10	359.23	11.59	10.56	425.00	13.71	7387	1.055	0.788
Aug-10	37.02	1.19	426.95	13.77	11.53	1054.00	34.00	7006	2.219	0.790
Sep-10	33.15	1.11	2005.89	66.86	60.51	477.00	15.90	7160	0.237	0.787
Oct-10	37.99	1.23	461.67	14.89	12.15	477.00	15.39	6039	0.933	0.787
Nov-10	31.78	1.06	348.68	11.62	10.97	351.00	11.70	7200	0.931	0.787
Dec-10	32.58	1.05	350.46	11.31	10.76	1405.00	45.32	7200	3.582	0.791
Cumulative Oil Produced (E3m3)					117.005					
Cumulative Water Produced (E3m3)					220.438					
Cumulative Water Injected (E3m3)					266.961					

Table 4

Virden Roselea Unit No. 1

Pattern: PAT 13-25

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemnt Ratio
Jan-10	7.59	0.24	83.03	2.68	10.94	3227.00	104.10	5006	34.776	3.034
Feb-10	6.73	0.24	54.75	1.96	8.13	3630.00	129.64	5207	63.756	3.043
Mar-10	7.13	0.23	36.07	1.16	5.06	4.30	0.14	5426	0.097	3.043
Apr-10	7.09	0.24	64.05	2.14	9.03	2562.00	85.40	6107	36.309	3.049
May-10	6.14	0.20	67.55	2.18	11.01	1689.00	54.48	3448	22.384	3.053
Jun-10	5.02	0.17	43.69	1.46	8.71	3373.00	112.43	4917	69.813	3.061
Jul-10	8.62	0.28	294.69	9.51	34.20	3220.40	103.88	5384	10.397	3.066
Aug-10	5.51	0.18	52.30	1.69	9.49	2777.00	89.58	4903	46.879	3.073
Sep-10	5.08	0.17	251.69	8.39	49.53	3936.00	131.20	4980	15.518	3.081
Oct-10	5.45	0.18	56.33	1.82	10.35	3861.00	124.55	4419	61.021	3.090
Nov-10	3.76	0.13	42.54	1.42	11.31	3307.00	110.23	5000	72.087	3.098
Dec-10	5.45	0.18	47.95	1.55	8.81	1029.00	33.19	5000	18.803	3.100
Cumulative Oil Produced (E3m3)					61.233					
Cumulative Water Produced (E3m3)					338.156					
Cumulative Water Injected (E3m3)					1238.908					

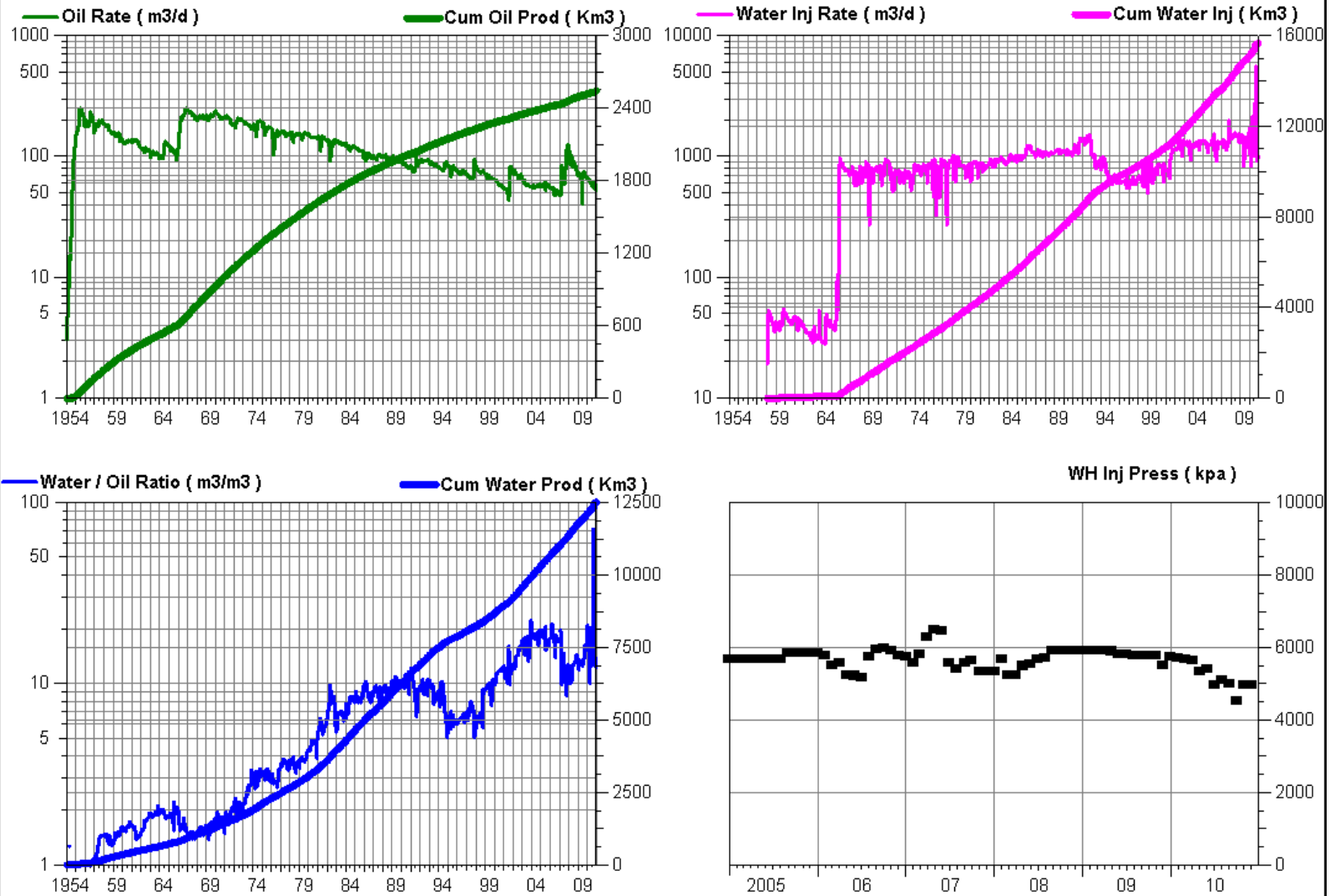
Table 4

Virden Roselea Unit No. 1

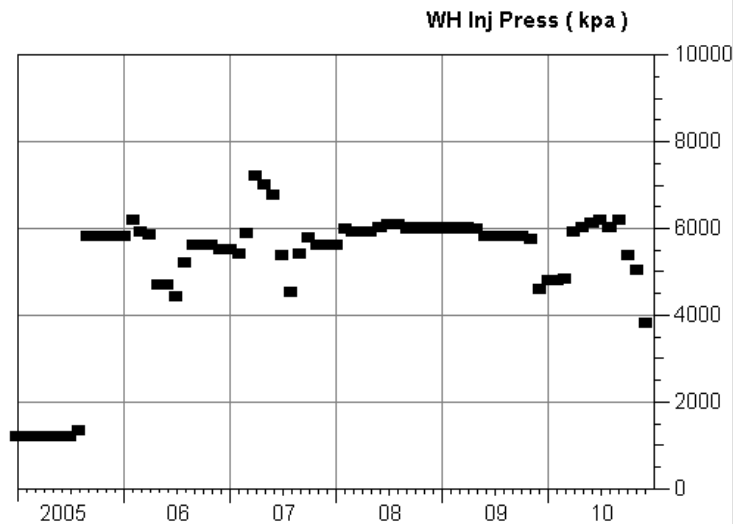
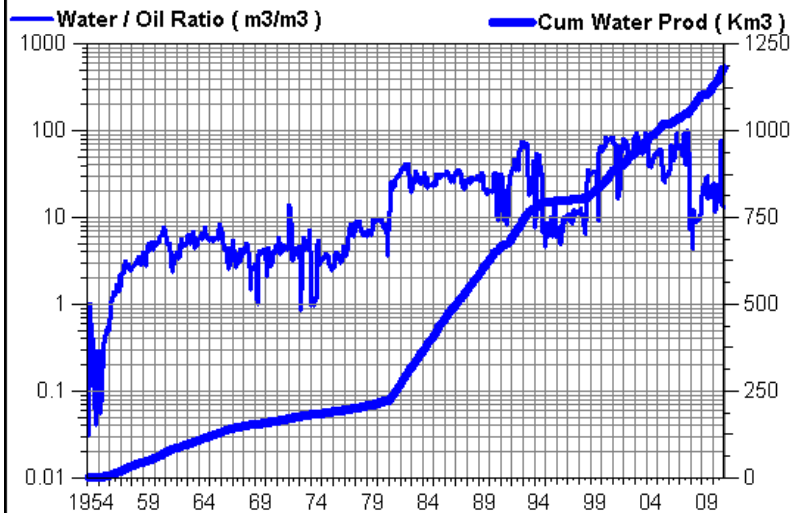
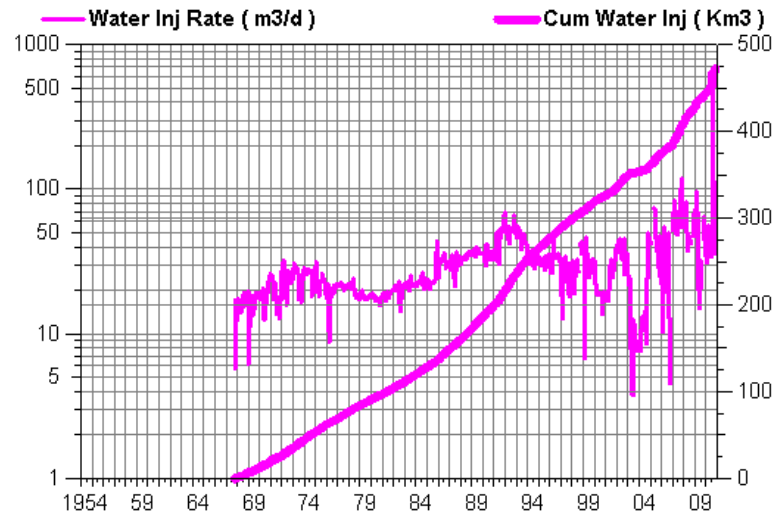
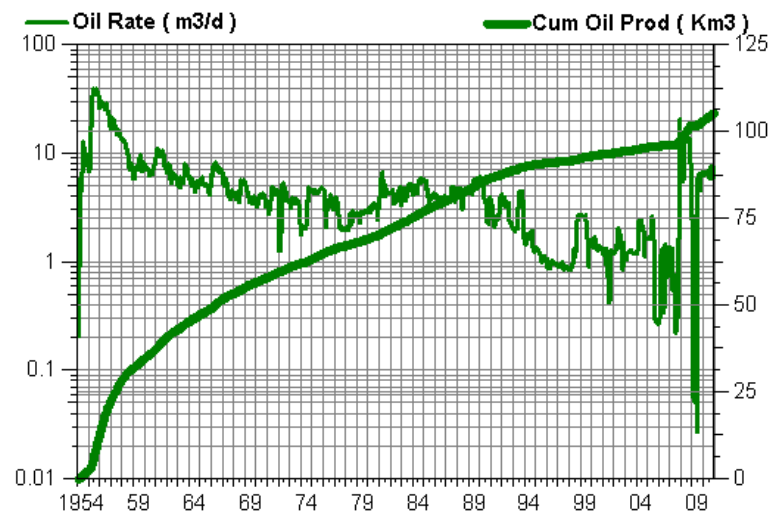
Pattern: PAT 15-30

Date	Monthly Oil Prod m3	Oil Rate (CD) m3/d	Monthly Water Prod m3	Water Rate (CD) m3/d	Water Oil Ratio m3/m3	Monthly Water Inj m3	Water Inj Rate (CD) m3/d	Water Inj Press kpa	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio
Jan-10	183.91	5.93	4038.52	130.27	21.96	2151.00	69.39	7006	0.498	0.820
Feb-10	165.98	5.93	2665.93	95.21	16.06	2541.00	90.75	7200	0.971	0.821
Mar-10	164.89	5.32	1652.51	53.31	10.02	1.20	0.04	7187	0.001	0.817
Apr-10	169.46	5.65	3054.22	101.81	18.02	3587.00	119.57	6797	1.125	0.820
May-10	165.47	5.34	2994.36	96.59	18.10	1801.00	58.10	6700	0.557	0.817
Jun-10	177.91	5.93	2089.09	69.64	11.74	1187.00	39.57	6710	0.529	0.815
Jul-10	148.71	4.80	1904.67	61.44	12.81	1092.00	35.23	6994	0.520	0.813
Aug-10	186.95	6.03	2536.32	81.82	13.57	1916.00	61.81	6800	0.688	0.812
Sep-10	159.95	5.33	11674.06	389.14	72.99	545.00	18.17	6780	0.047	0.787
Oct-10	185.41	5.98	2755.13	88.88	14.86	2357.00	76.03	6206	0.784	0.787
Nov-10	167.48	5.58	2242.39	74.75	13.39	878.00	29.27	6387	0.368	0.784
Dec-10	173.02	5.58	2254.96	72.74	13.03	1085.00	35.00	6000	0.437	0.781
Cumulative Oil Produced (E3m3)					112.342					
Cumulative Water Produced (E3m3)					245.978					
Cumulative Water Injected (E3m3)					280.016					

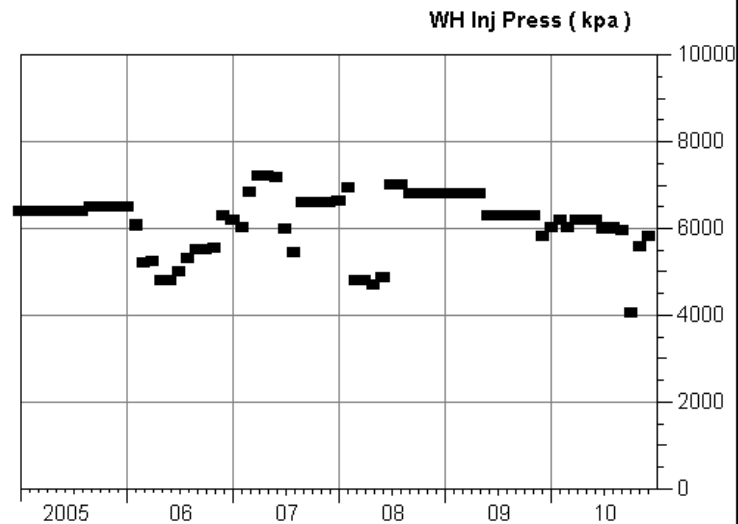
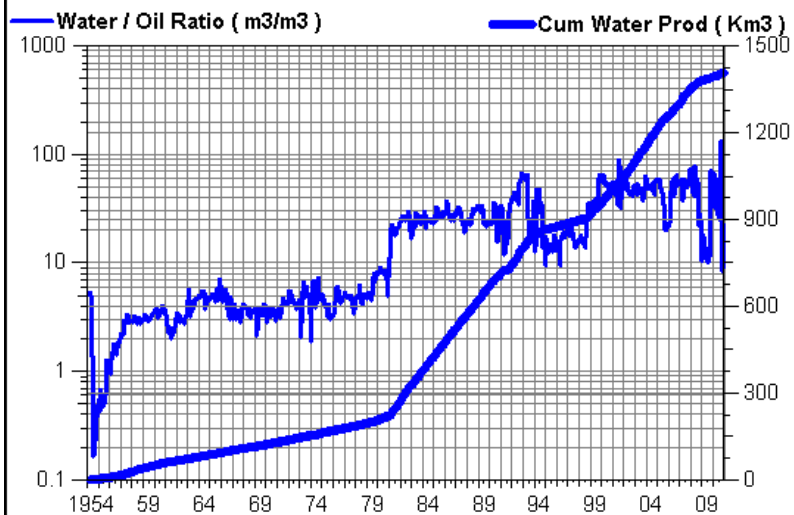
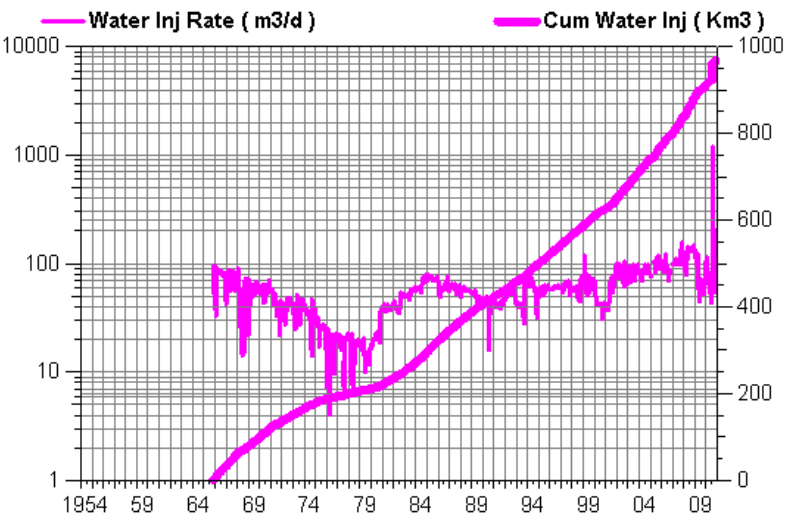
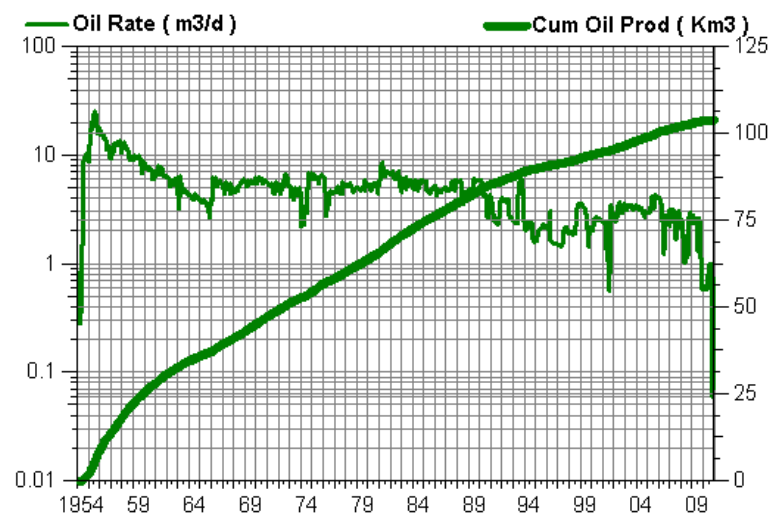
VRU1 - All Patterns



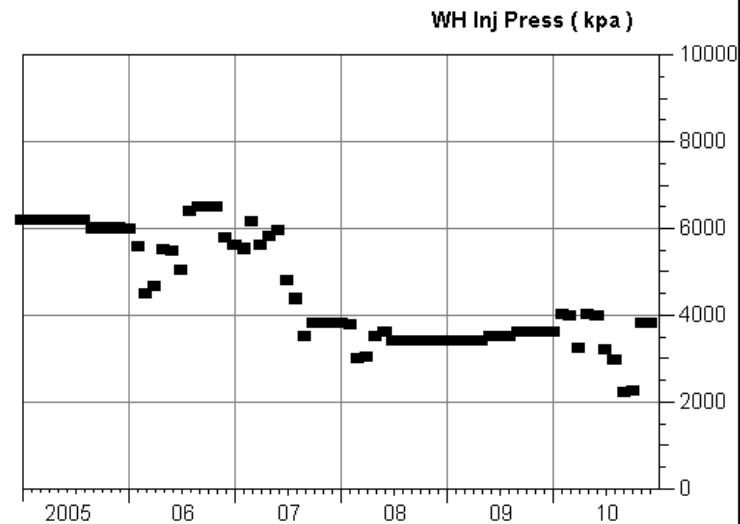
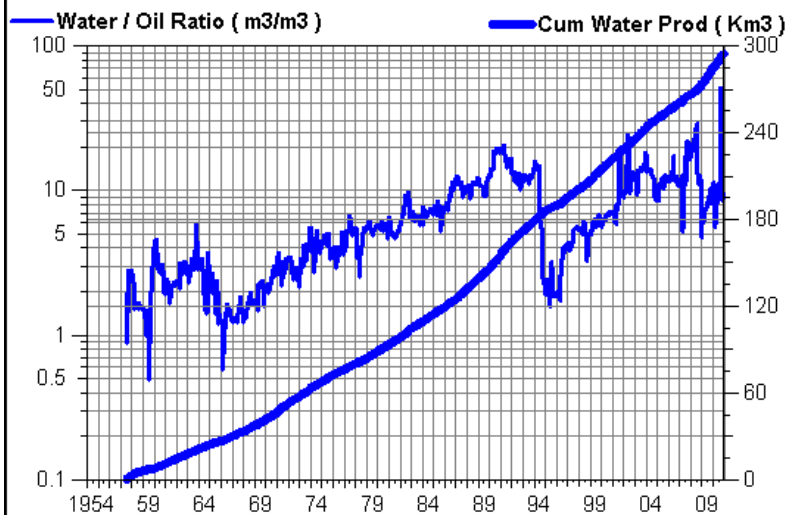
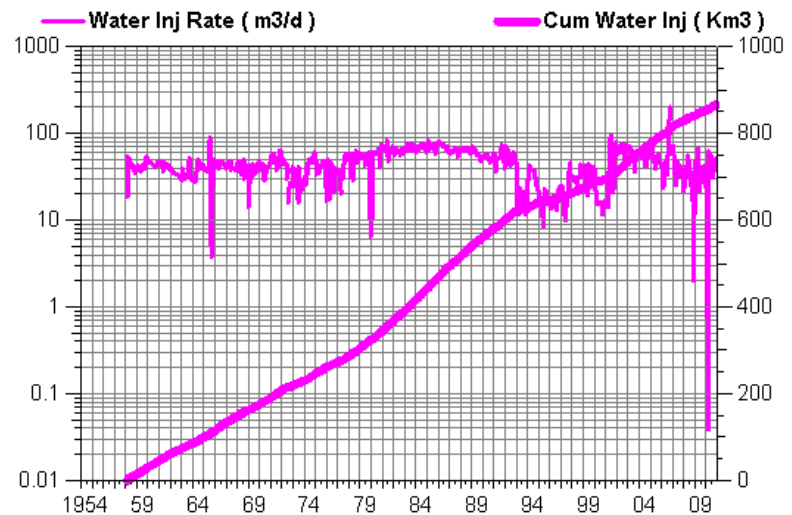
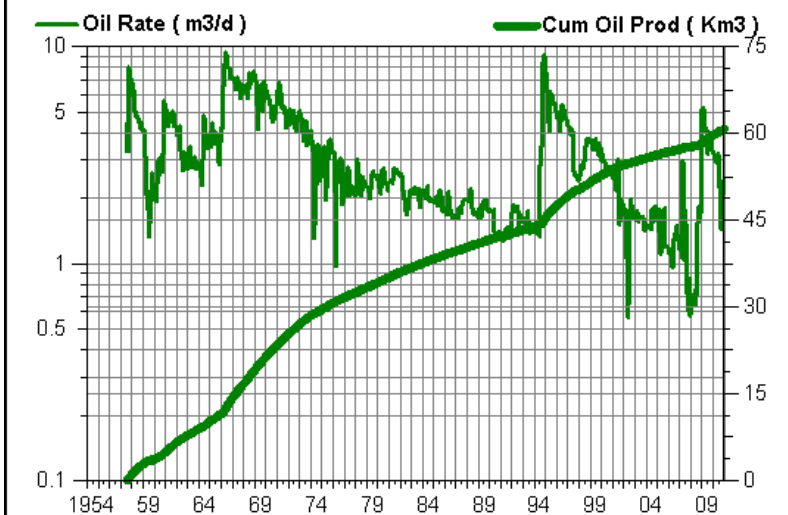
VRU1 Pattern: PAT 03-26



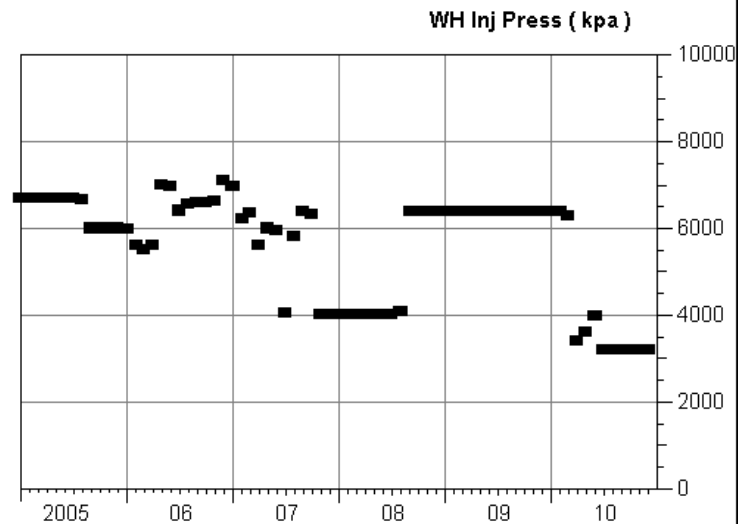
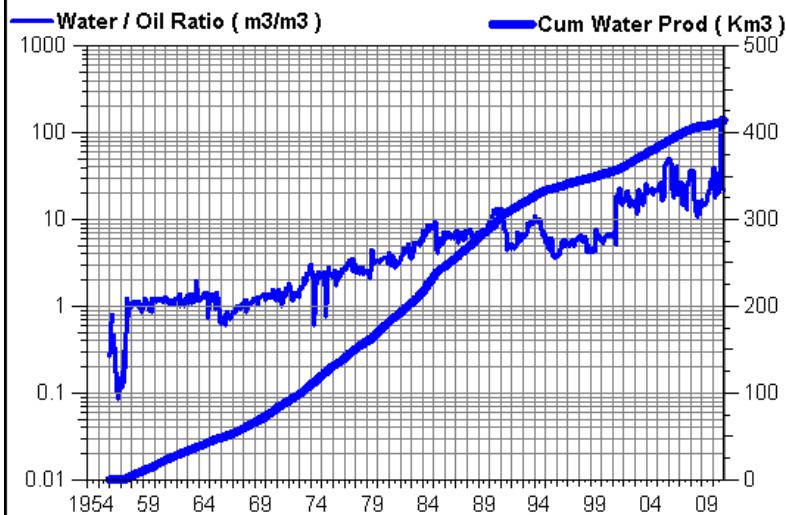
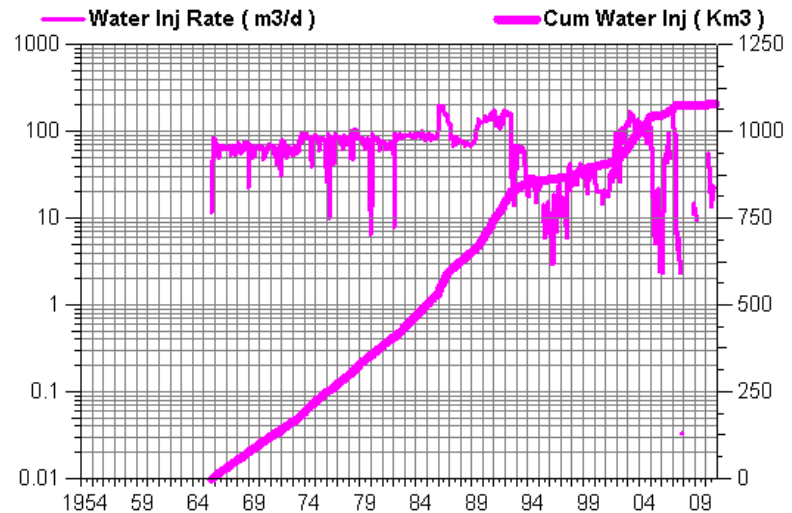
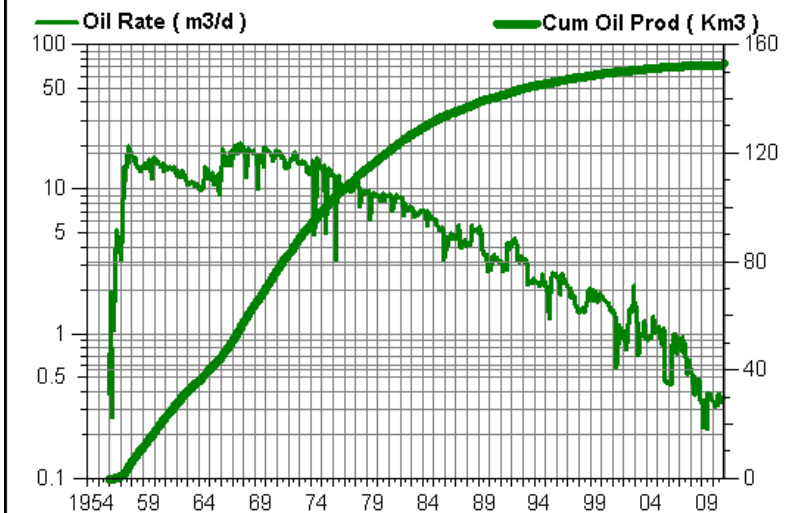
VRU1 Pattern: PAT 05-25



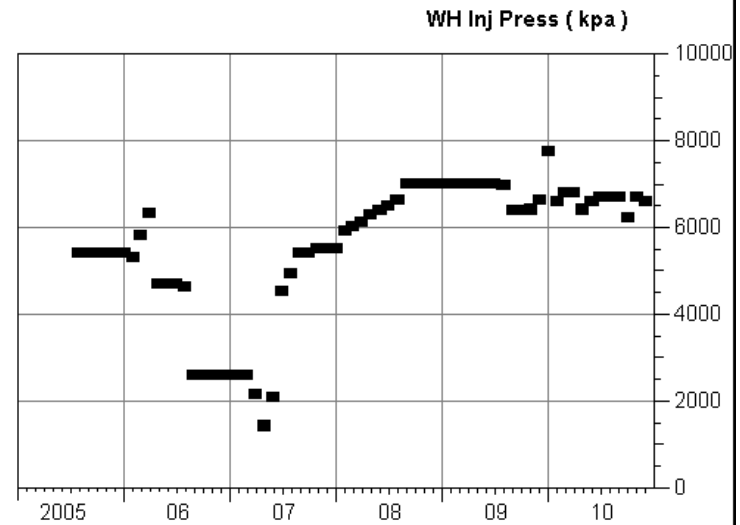
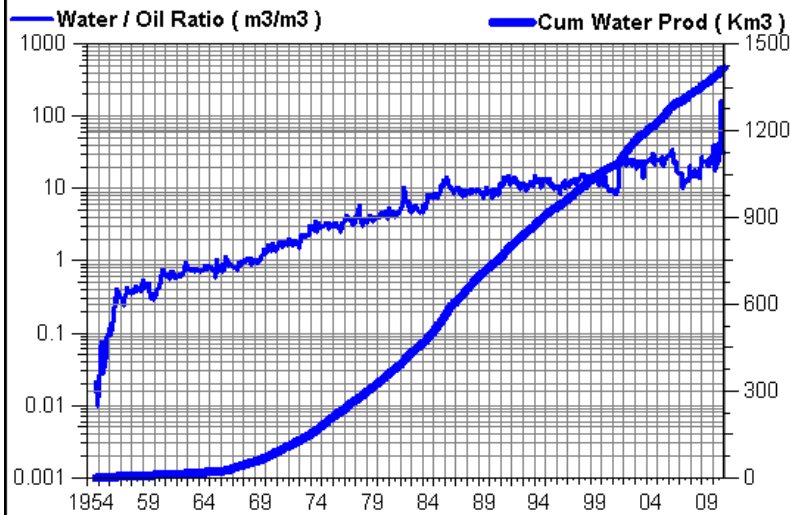
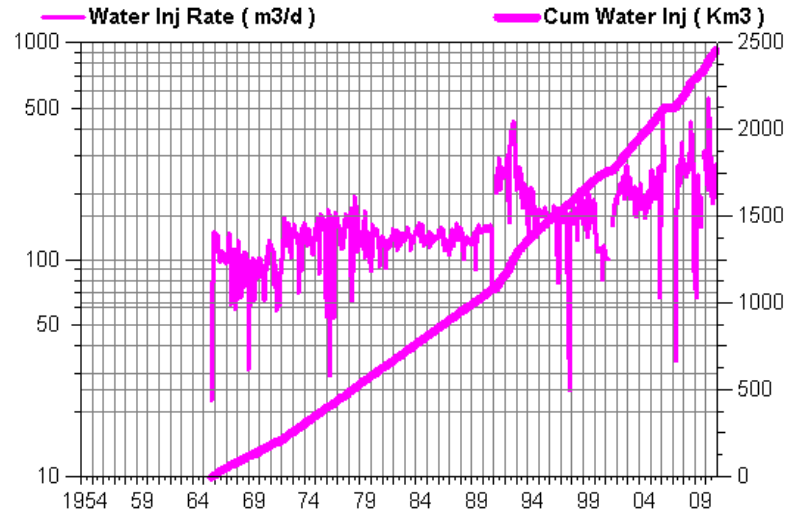
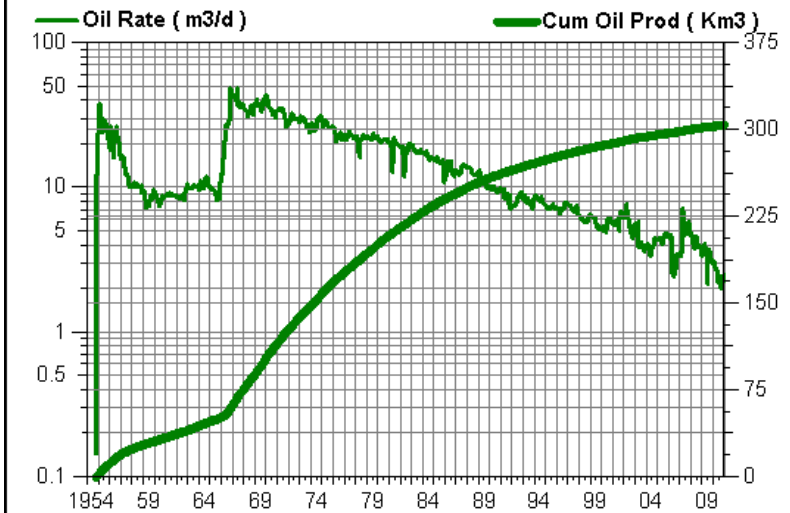
VRU1 Pattern: PAT 05-28



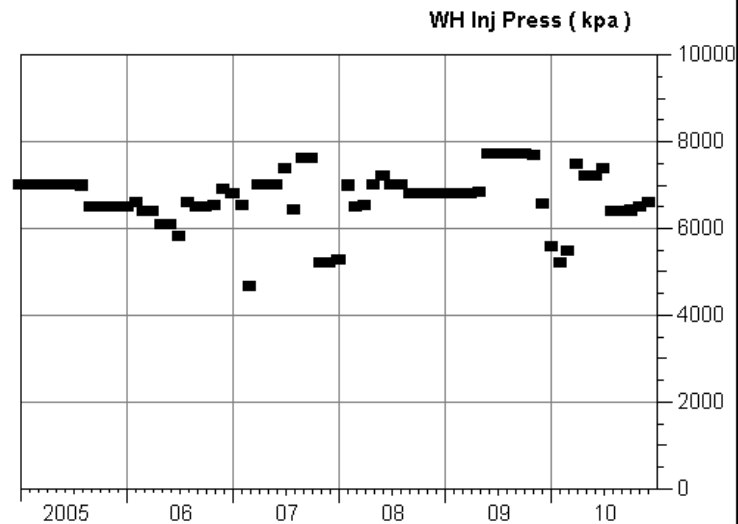
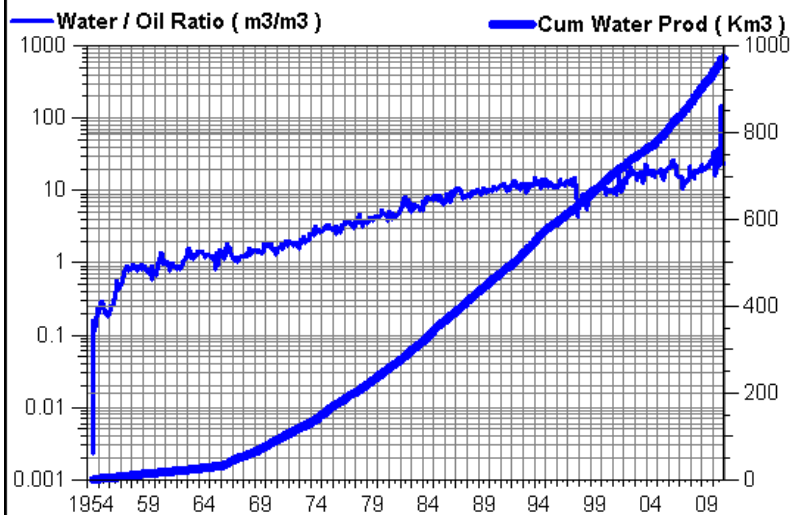
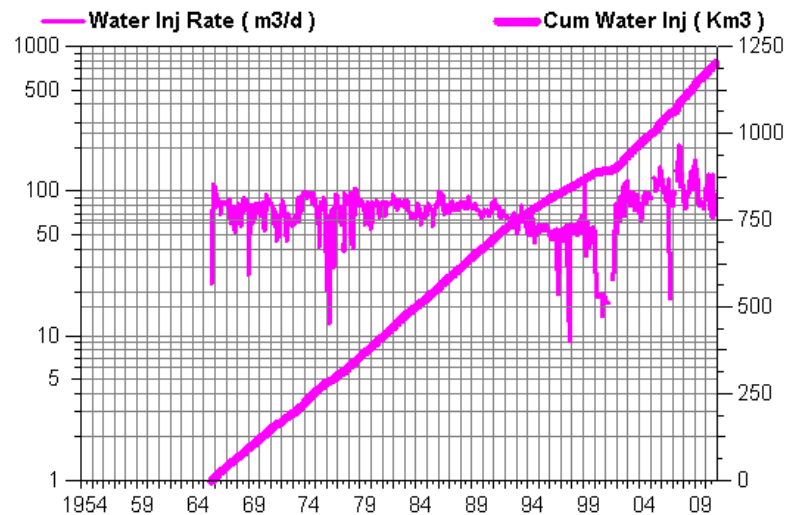
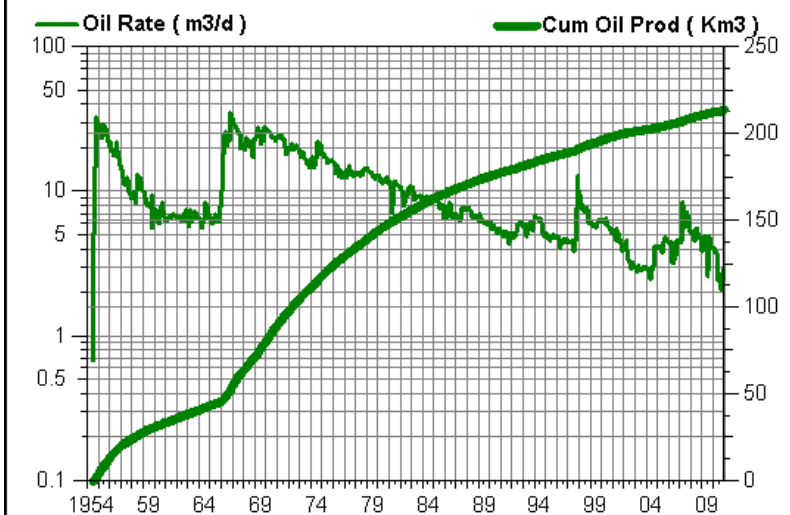
VRU1 Pattern: PAT 05-29



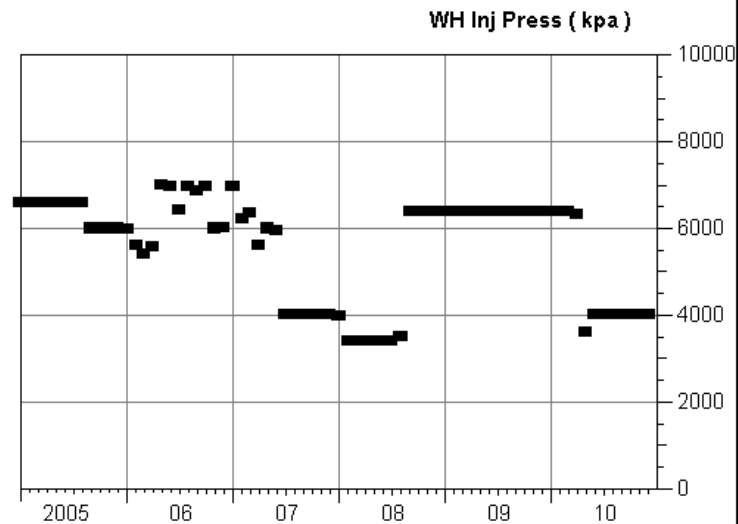
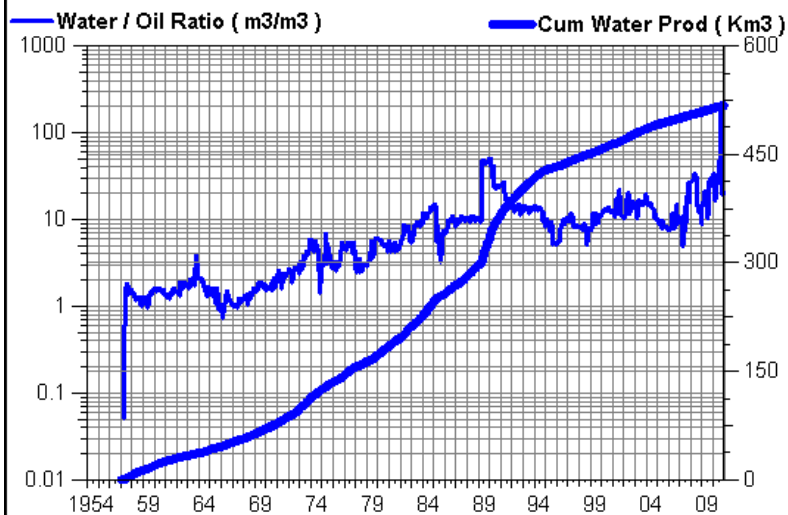
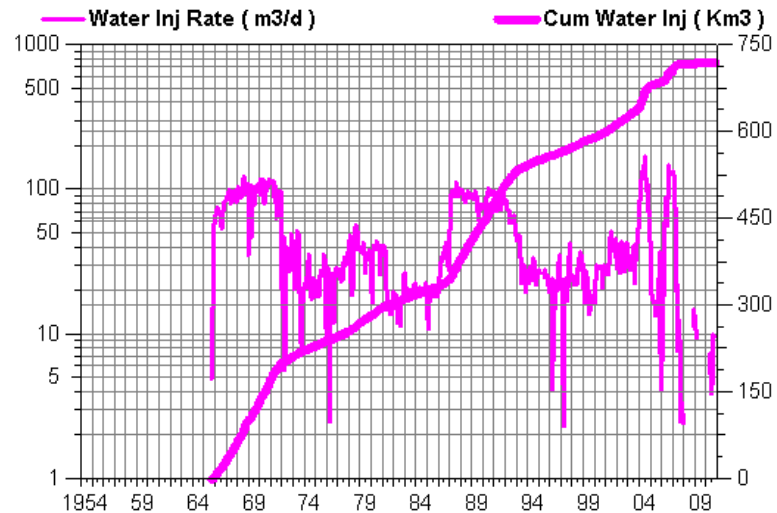
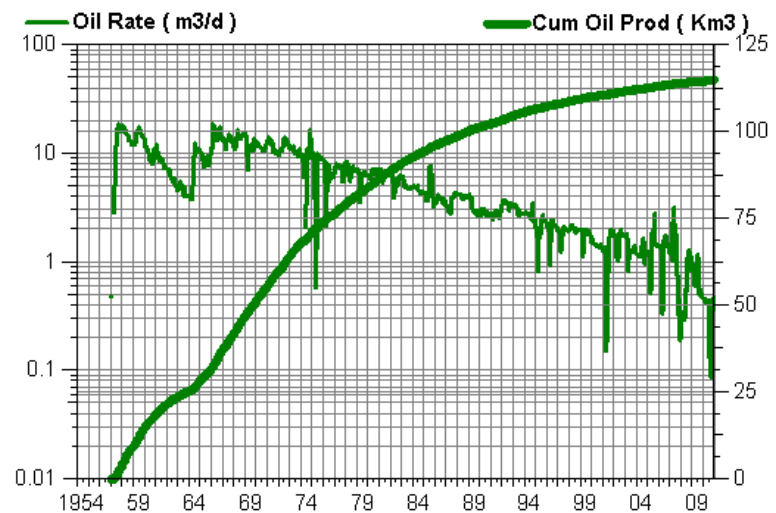
VRU1 Pattern: Pat 05-30



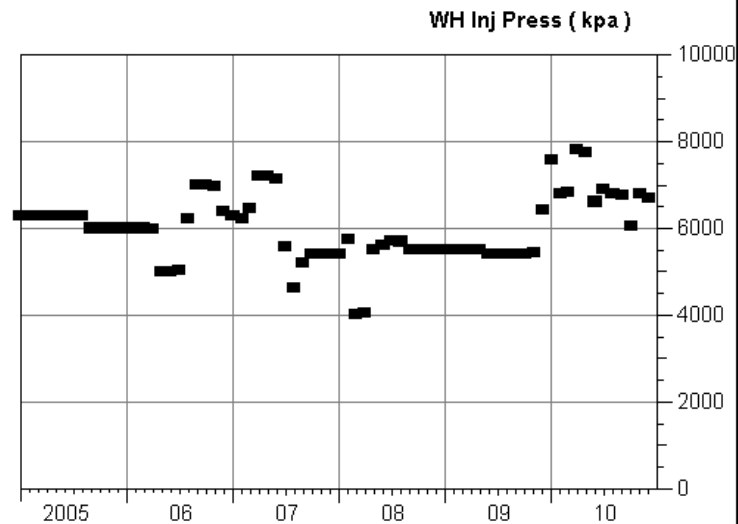
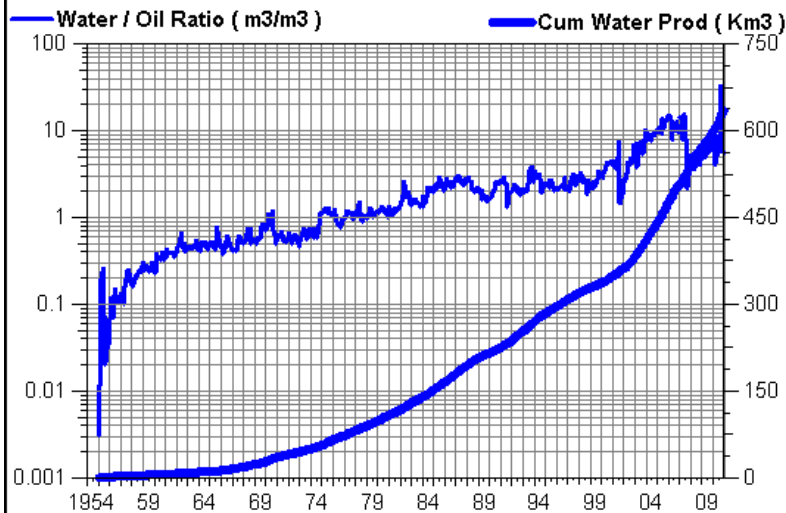
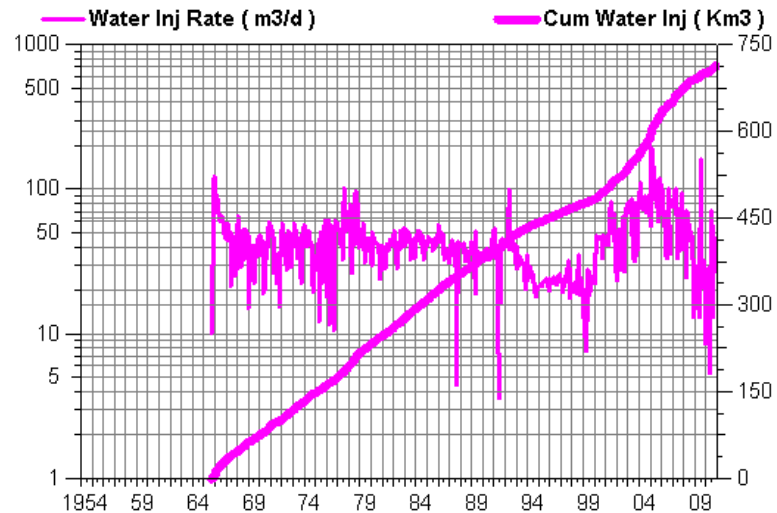
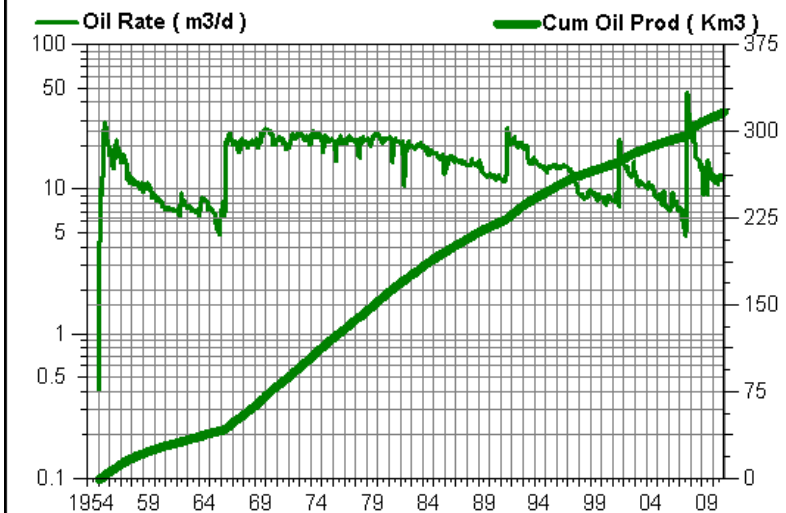
VRU1 Pattern: PAT 07-25



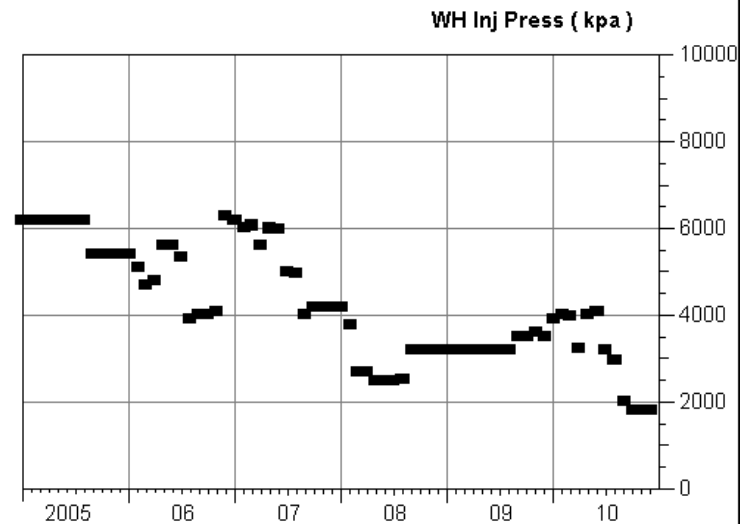
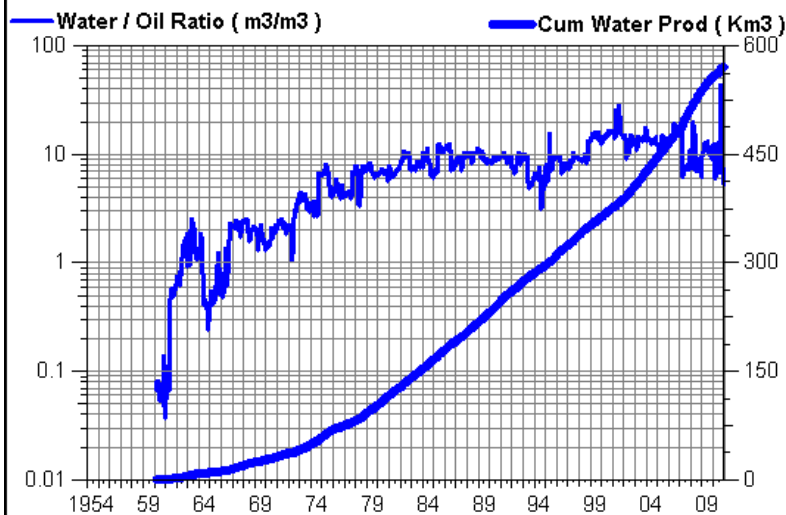
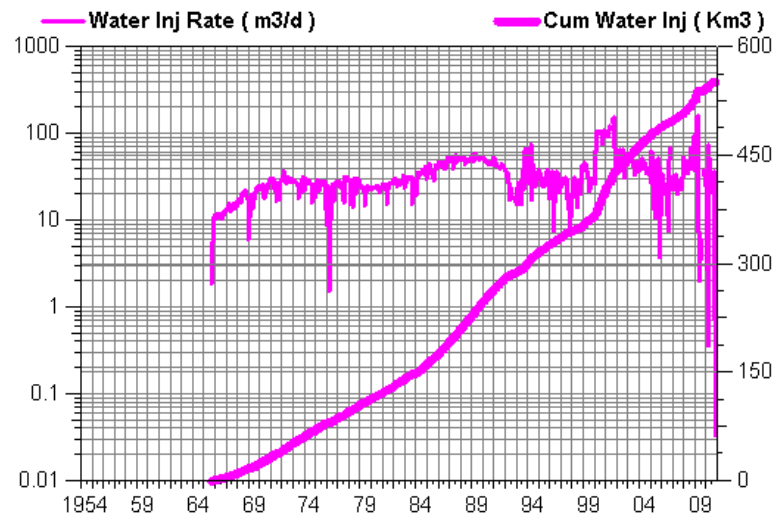
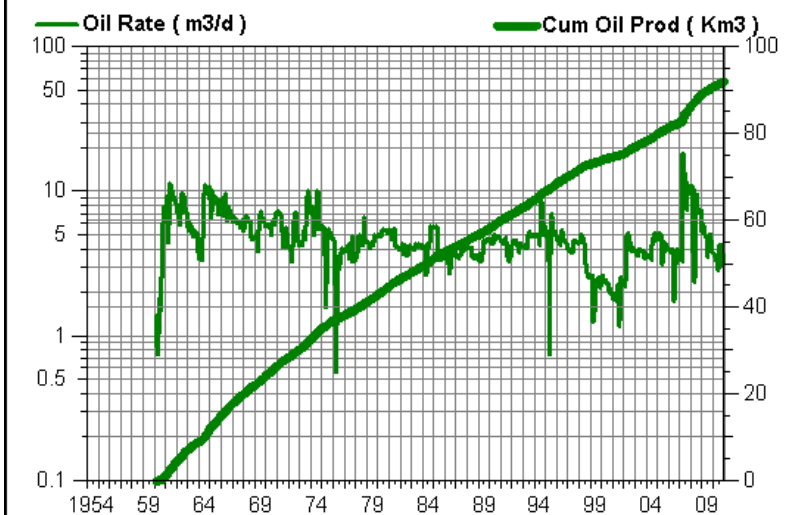
VRU1 Pattern: PAT 07-29



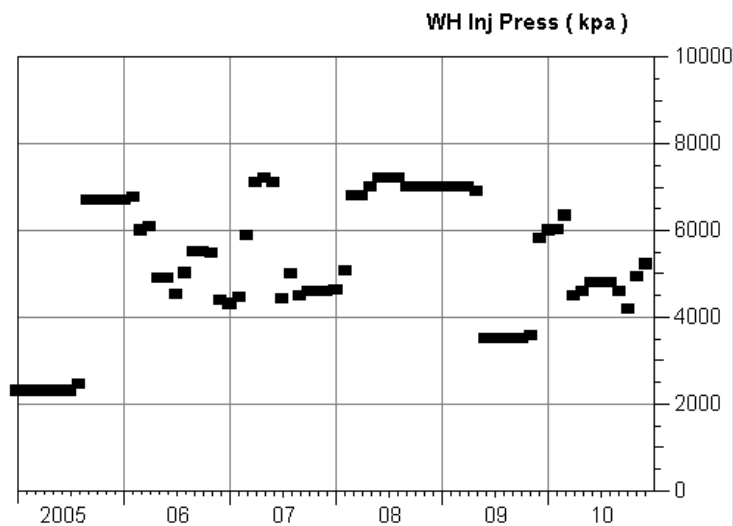
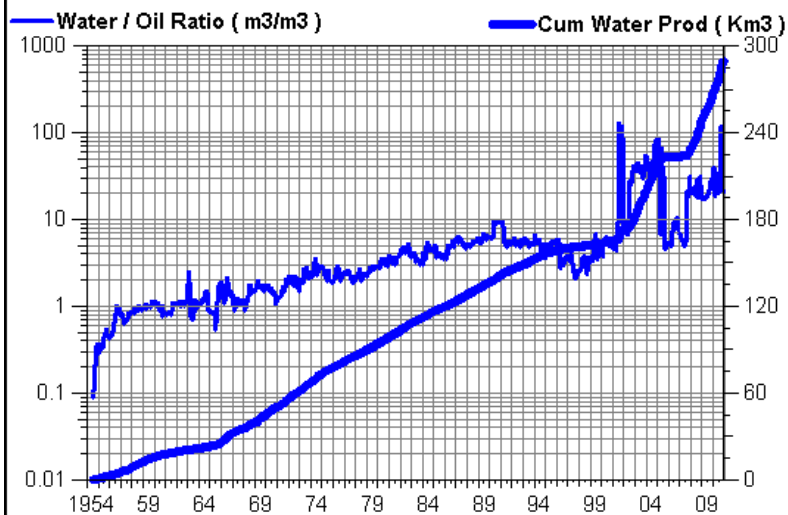
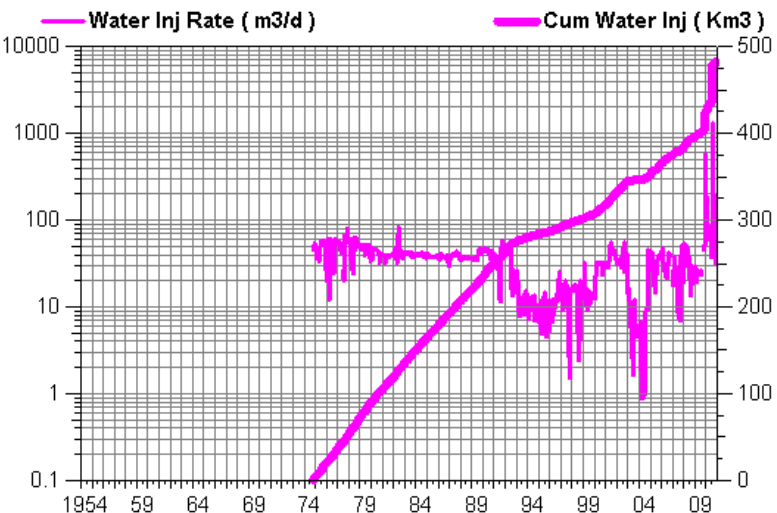
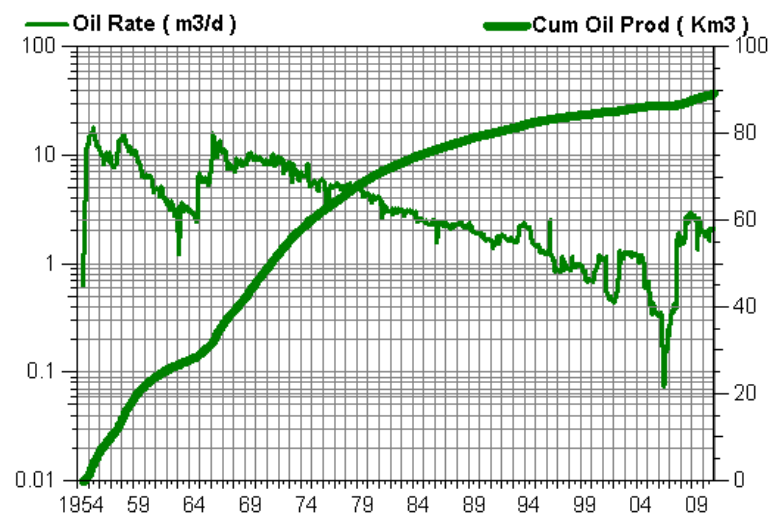
VRU1 Pattern: PAt 07-30



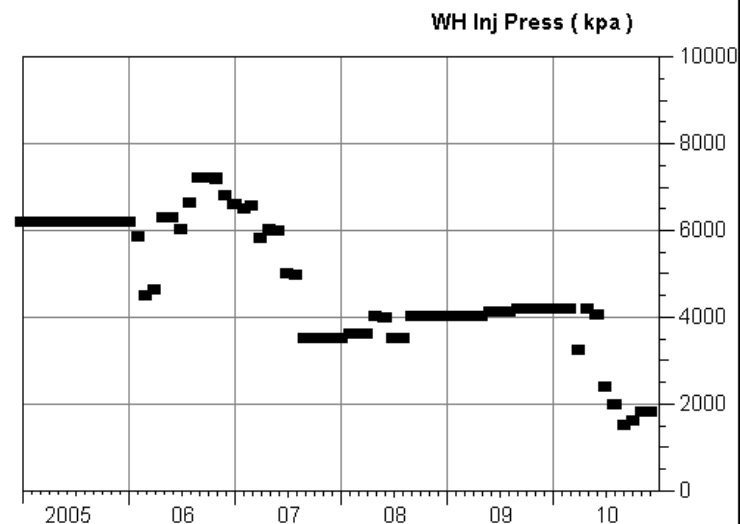
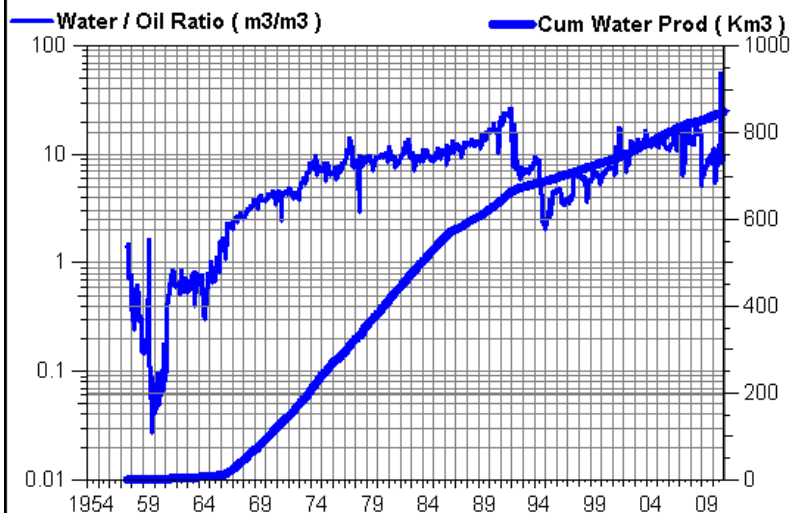
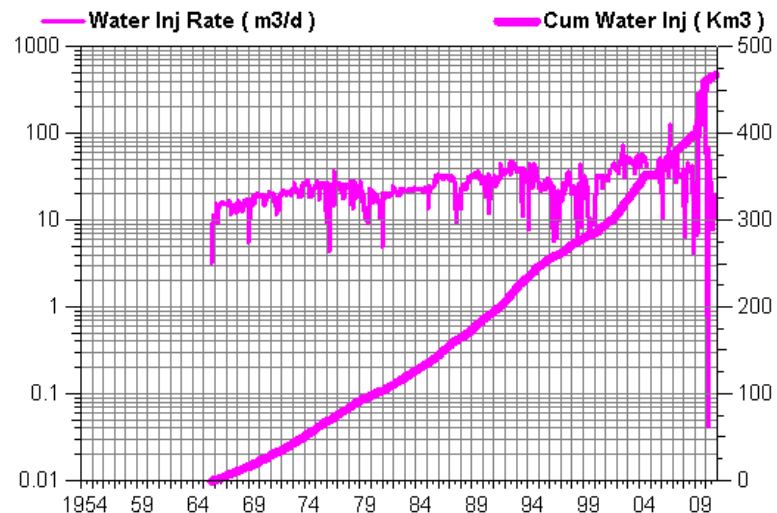
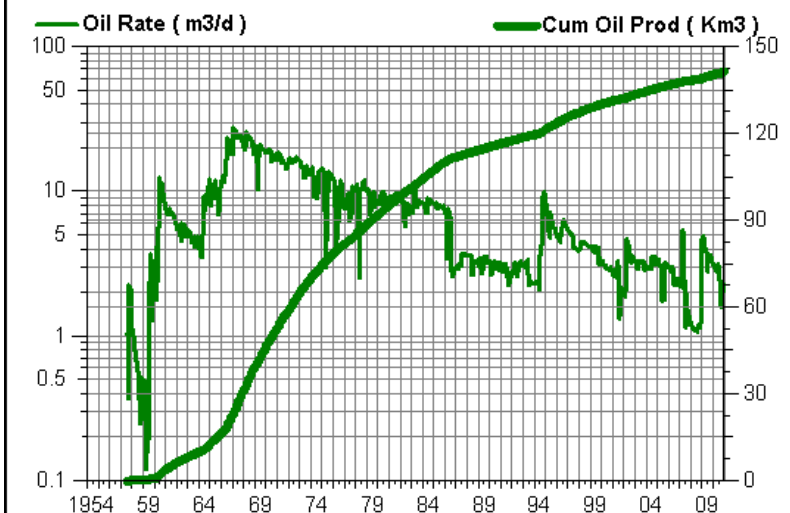
VRU1 Pattern: PAT 11-21



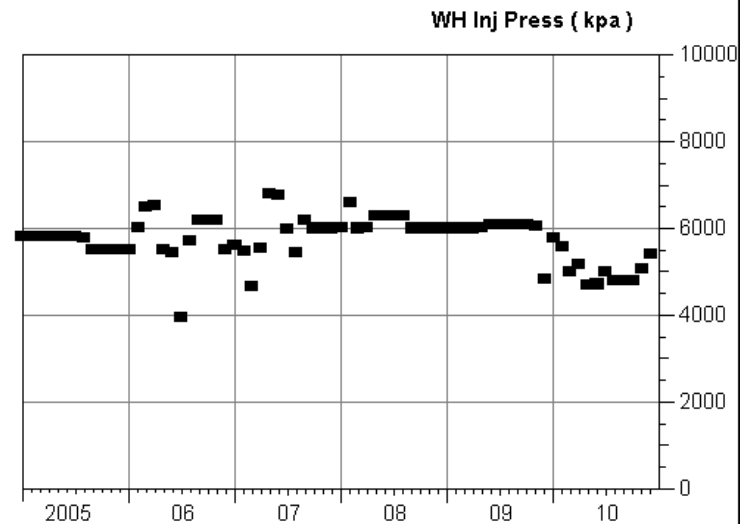
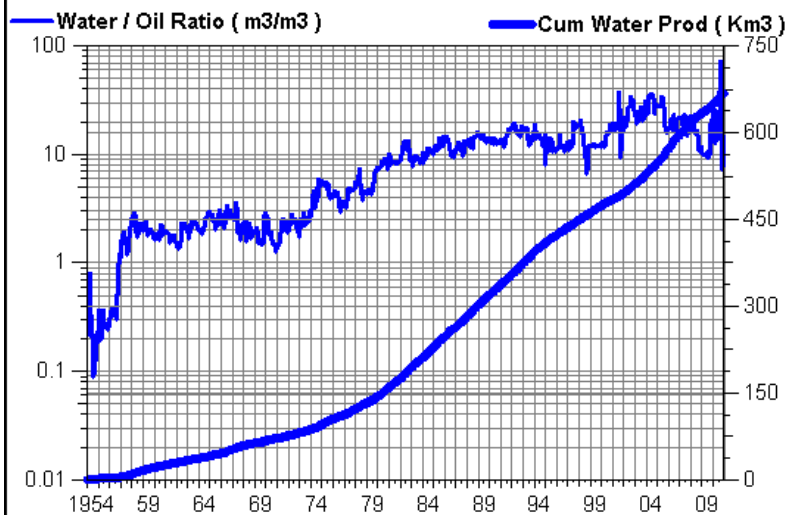
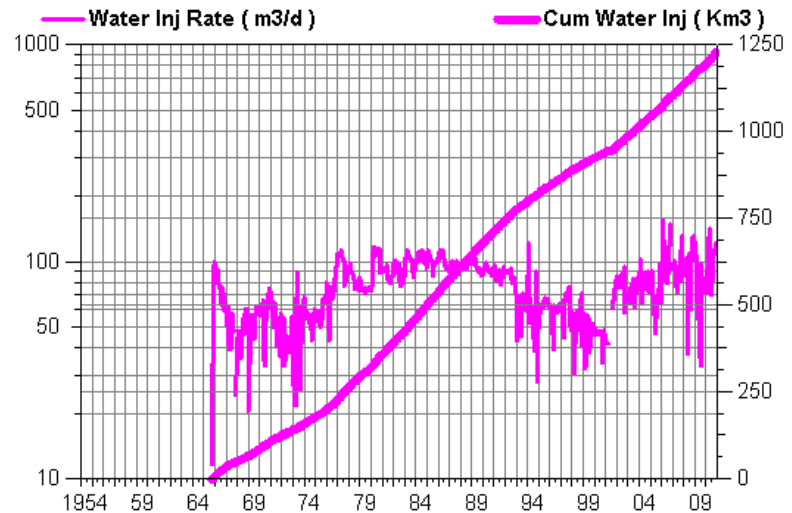
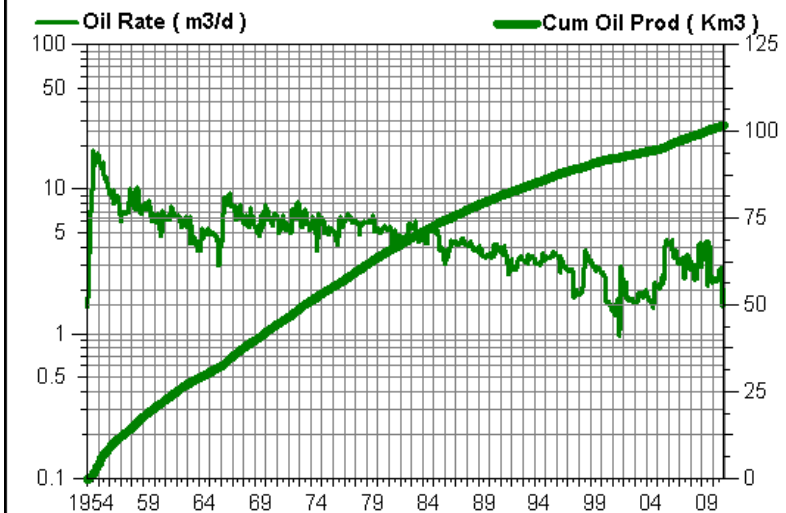
VRU1 Pattern: PAT 11-25



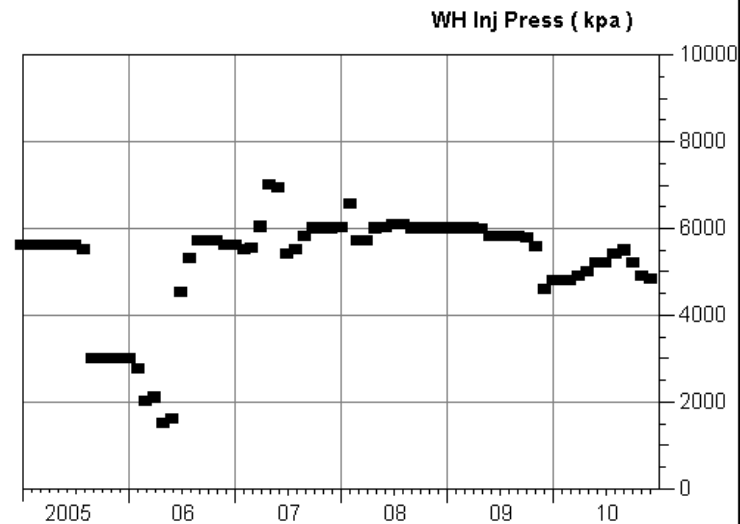
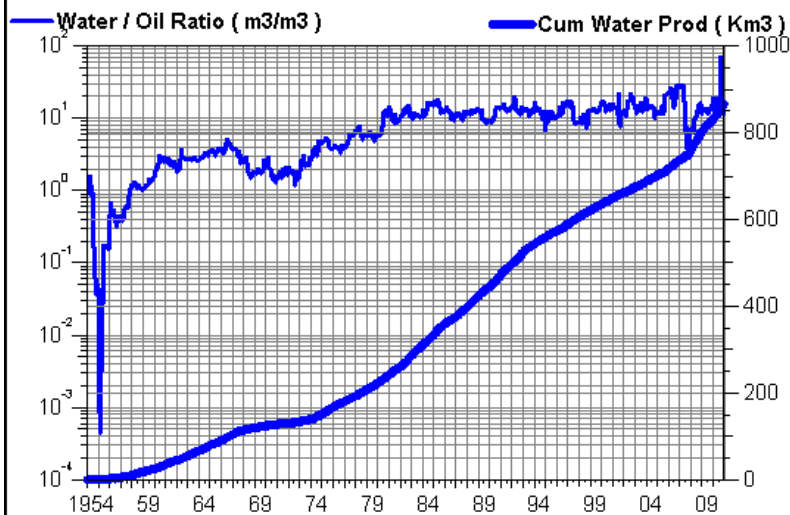
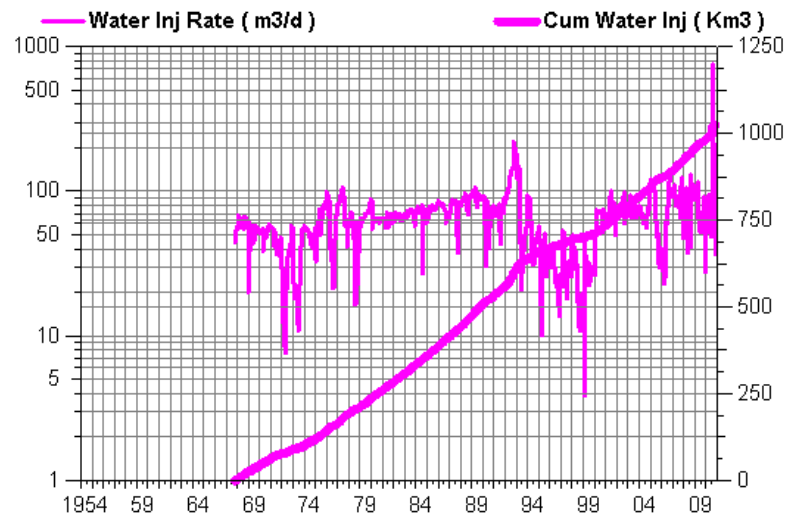
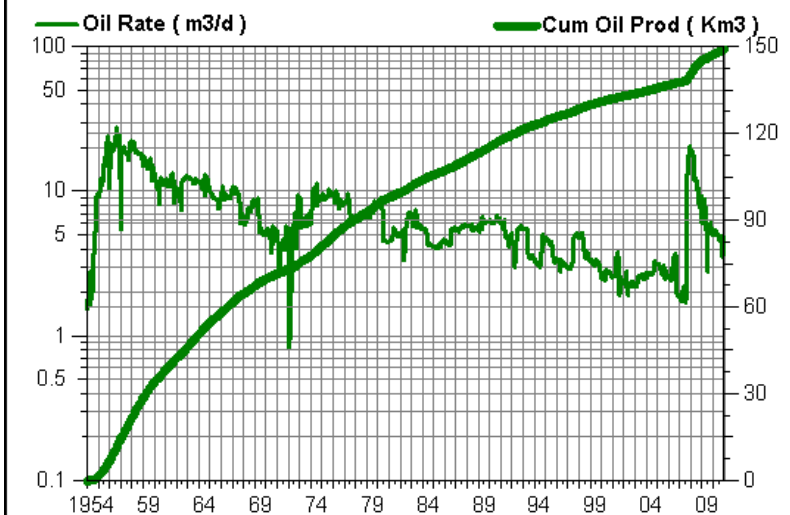
VRU1 Pattern: PAT 13-21



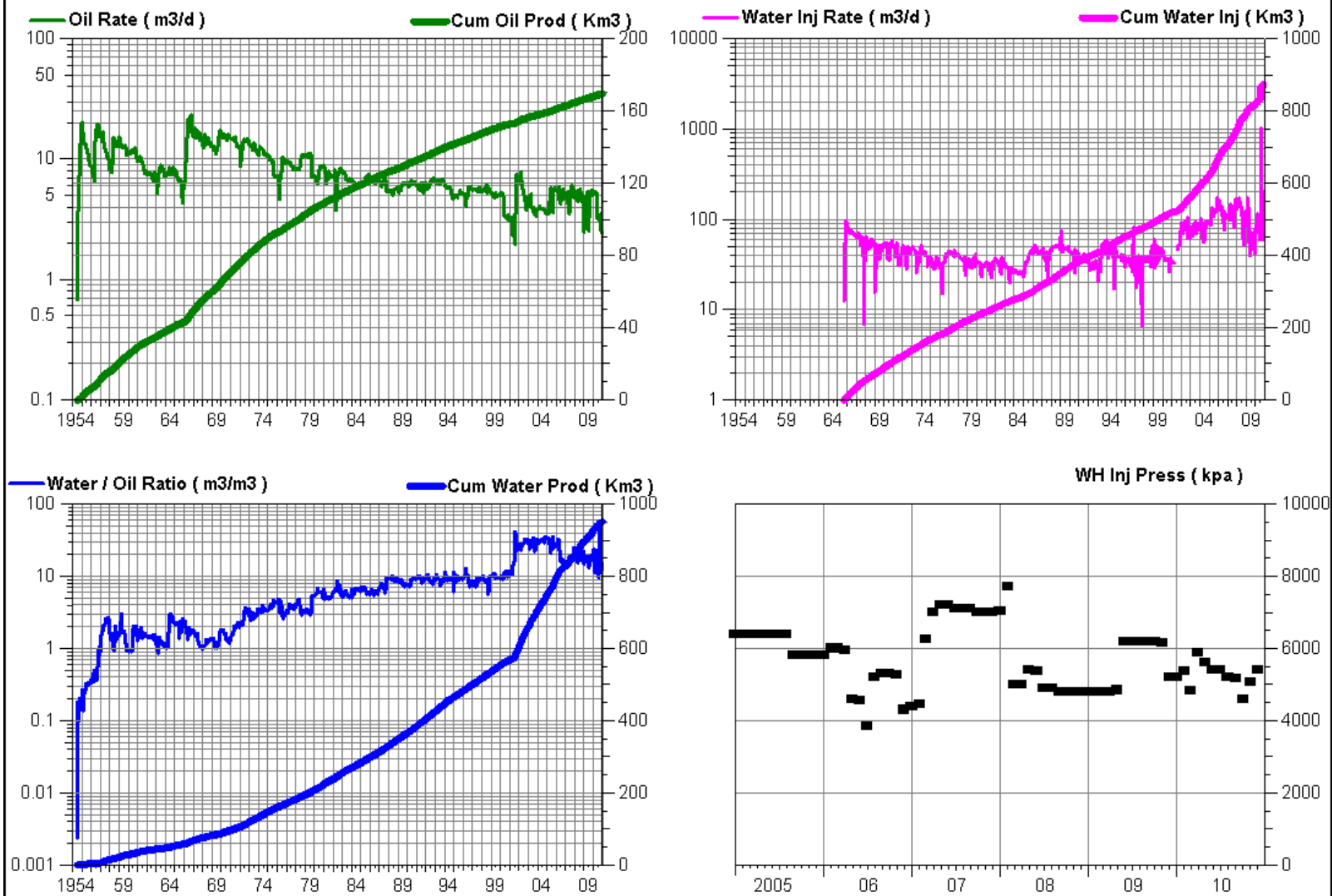
VRU1 Pattern: PAT 13-24



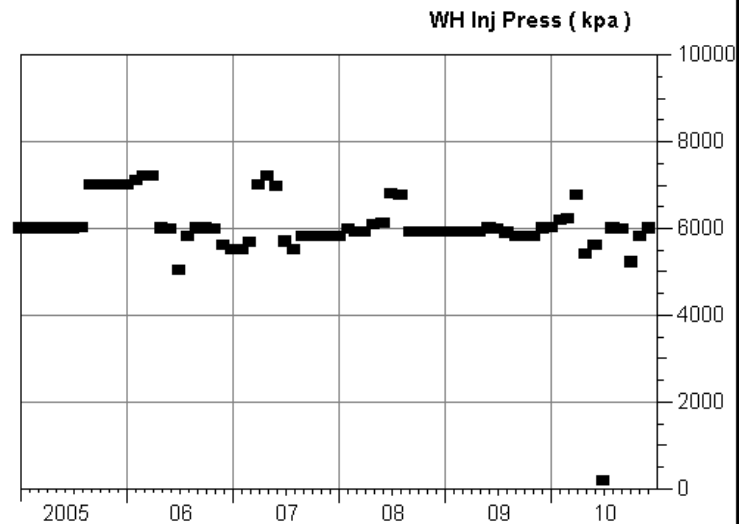
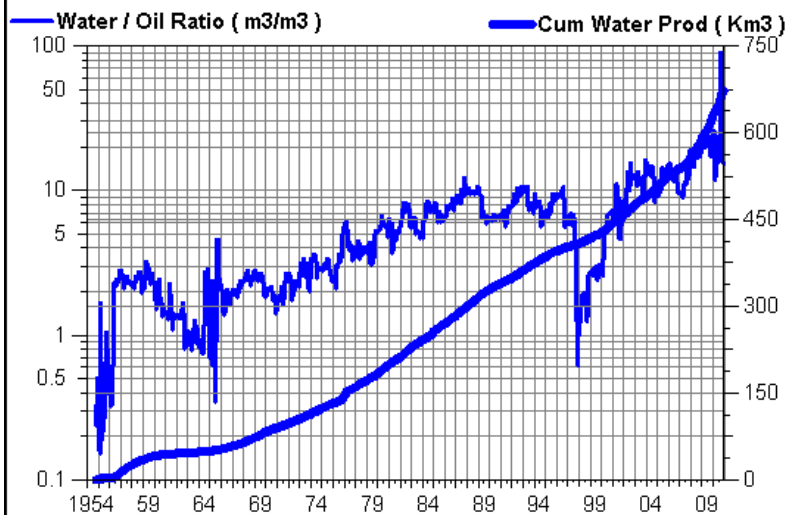
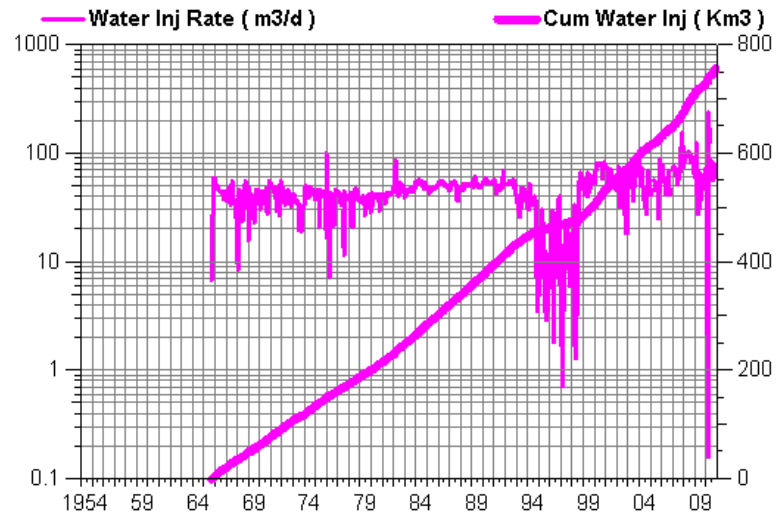
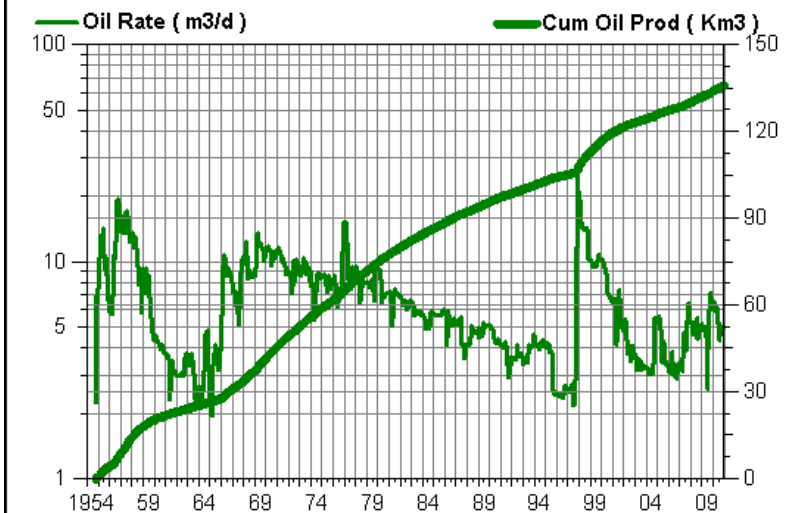
VRU1 Pattern: PAT 15-23



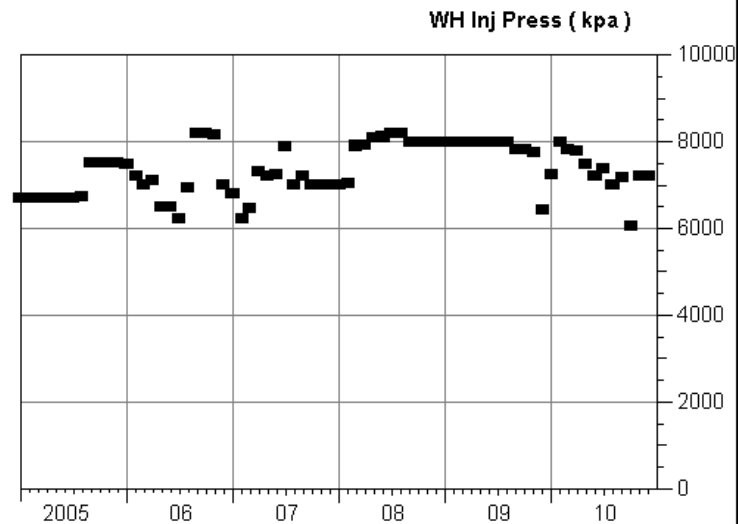
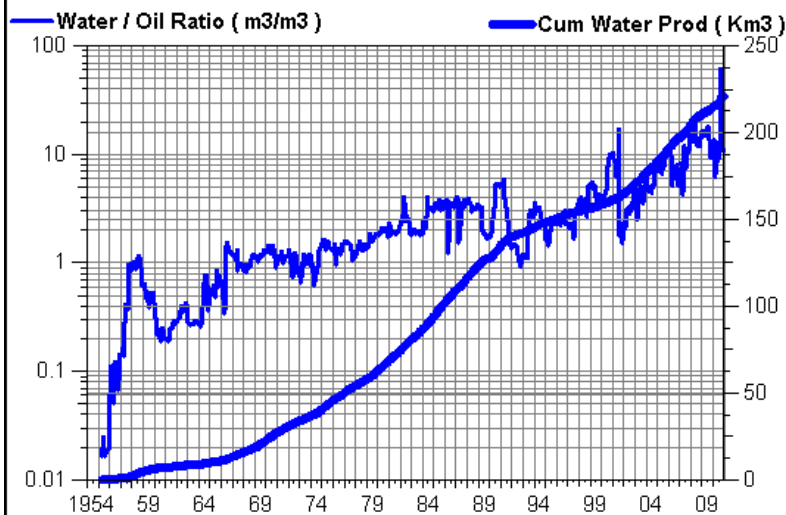
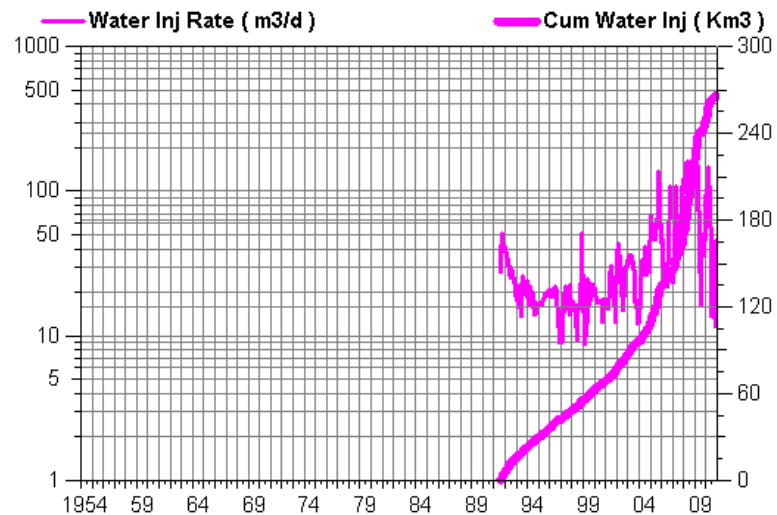
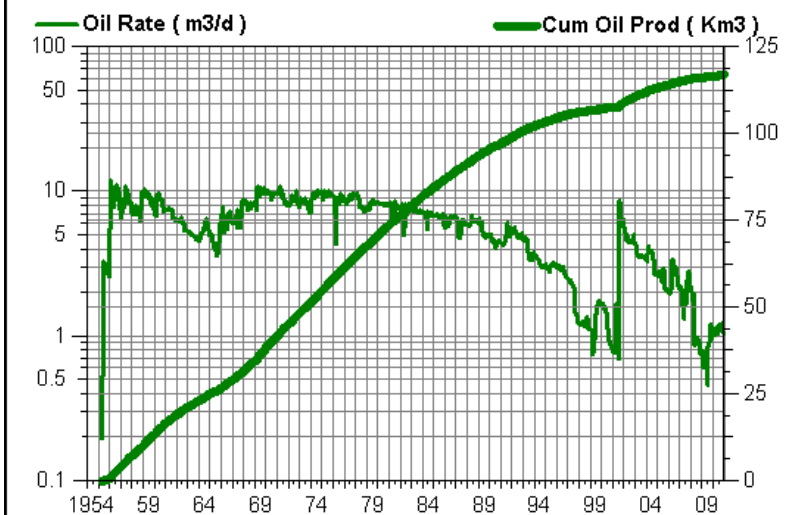
VRU1 Pattern: PAT 15-24



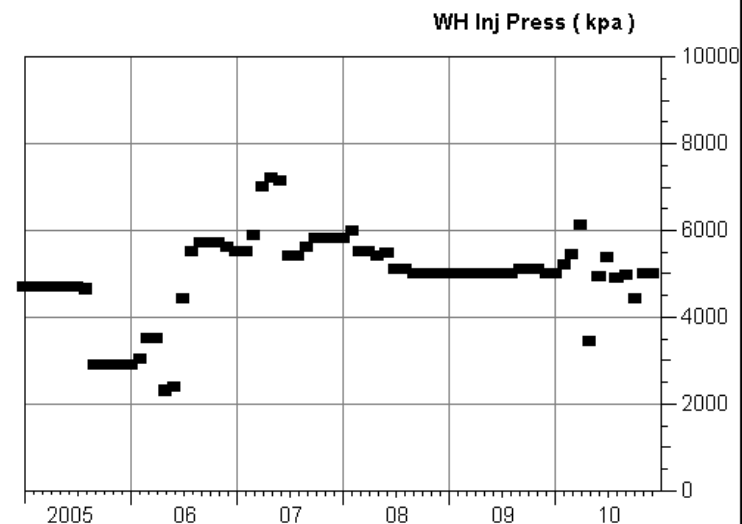
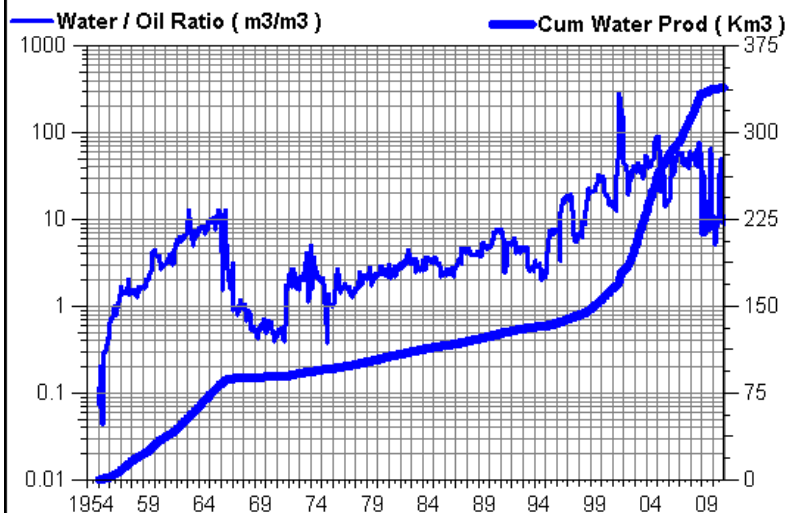
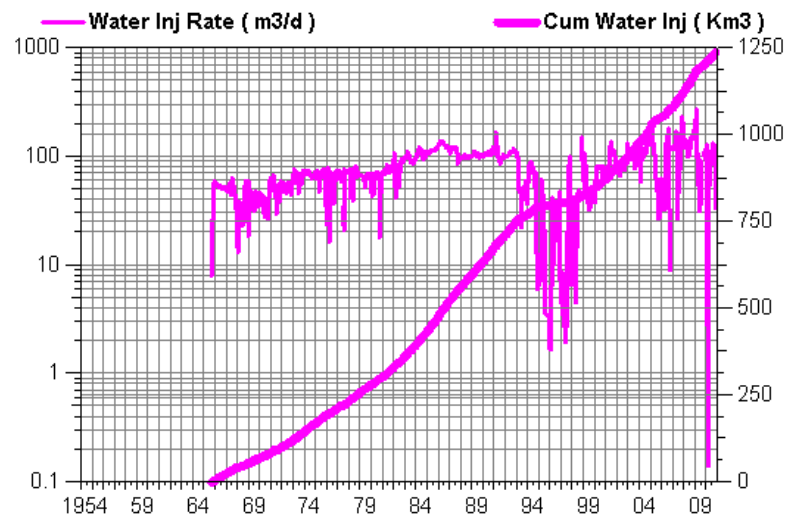
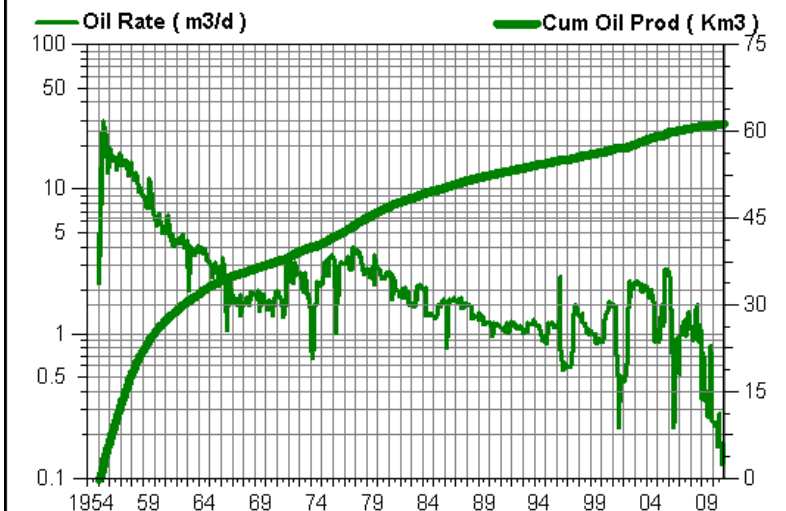
VRU1 Pattern: Pat 15-25



VRU1 Pattern: PAT 09-30



VRU1 Pattern: PAT 13-25



VRU1 Pattern: PAT 15-30

