

Virden Roselea Unit #3
2012 Annual EOR Report

Executive Summary

In 2012 oil production in the Virden Roselea Unit #3 (VRU #3) was 27 m³/d (169 bbl/d) totaling 9.8 e³m³ (61.8 mmbbl). Annual production was down 1.6% from 2011 to 2012. By the end of 2012 cumulative oil production from the VRU #3 was 2 588 e³m³ (16.3 mmbbl). The original forecasted recovery was 1 290 e³m³ (8.1 mmbbl) on primary recovery and 2 837 e³m³ (17.9 mmbbl) total primary plus secondary recovery.

In December 2012 there were 58 producing oil wells and 26 water injectors active in the unit. No development activity occurred in 2012.

The operatorship of the VRU #3 was transferred to Corex Resources on December 19, 2012.

Discussion

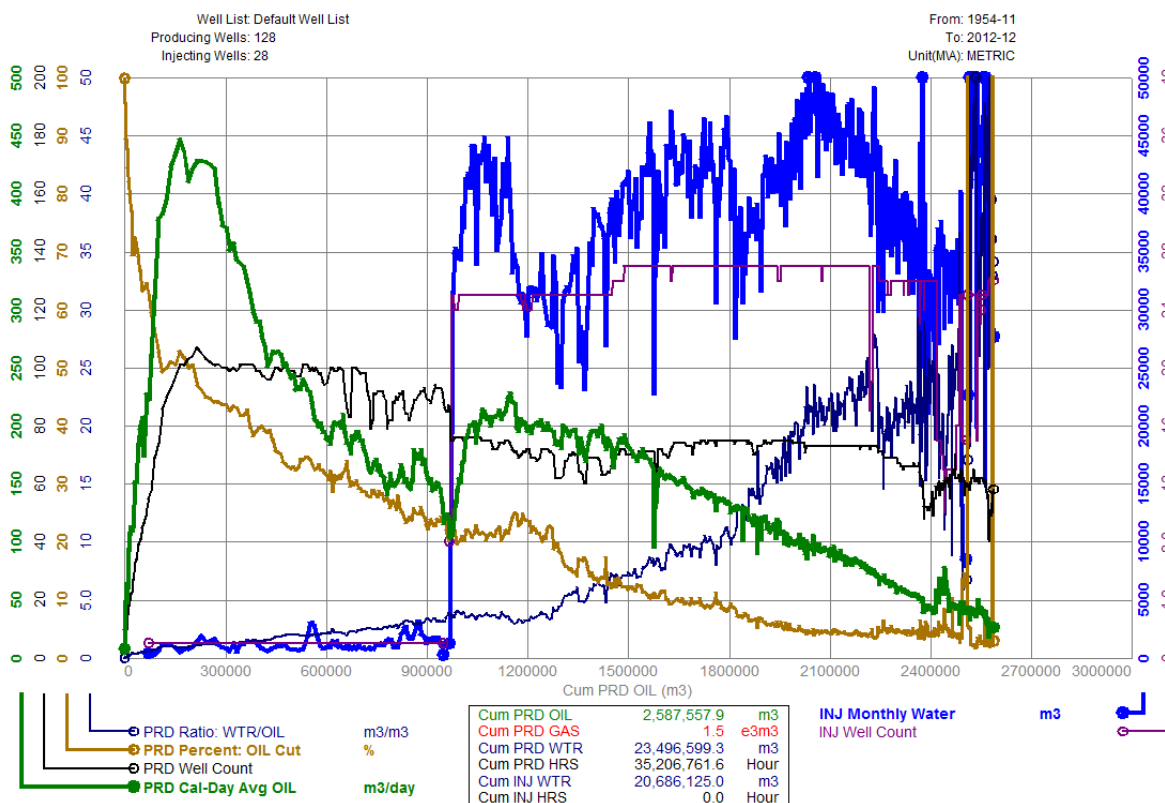
The VRU #3 has been under waterflood since 1967, 12 years after first production from the pool in 1954. Water injection increased the oil production rate from $\sim 100 \text{ m}^3/\text{d}$ to $\sim 225 \text{ m}^3/\text{d}$, however lower than peak production from the field of $450 \text{ m}^3/\text{d}$. Expected ultimate oil recovery was doubled by the waterflood.

There has only been one development well drilled in VRU #3 in the last 9 years, a horizontal well drilled in 2008. In 2002 and 2003, nine horizontal wells were drilled in the unit with mixed results.

There have been no new wells converted to injection since 1974. The water injection rate was $1\,050 \text{ m}^3/\text{d}$ in 2012 and the producing WOR was $39 \text{ m}^3/\text{m}^3$. The injected water at VRU #3 is not filtered or treated in any way.

In the composite rate – cumulative oil plot below, waterflood response is clearly demonstrated at a cumulative oil production of $1000 \text{ e}^3\text{m}^3$ after a pattern waterflood was initiated.

Detailed production, injection, voidage tables and plots for the total unit and each injection pattern are at the end of this report.



2012 Reservoir Pressure Surveys

There was no pressure survey conducted in the VRU #3 during 2012. Prior pressure surveys have shown that wide variations in pressure exist across the pool. Average pressure is estimated to be between 6 500 – 8 500 kPaa based on pressures taken in 2011 and 2012, slightly over pressured and also likely above the original pool pressure.

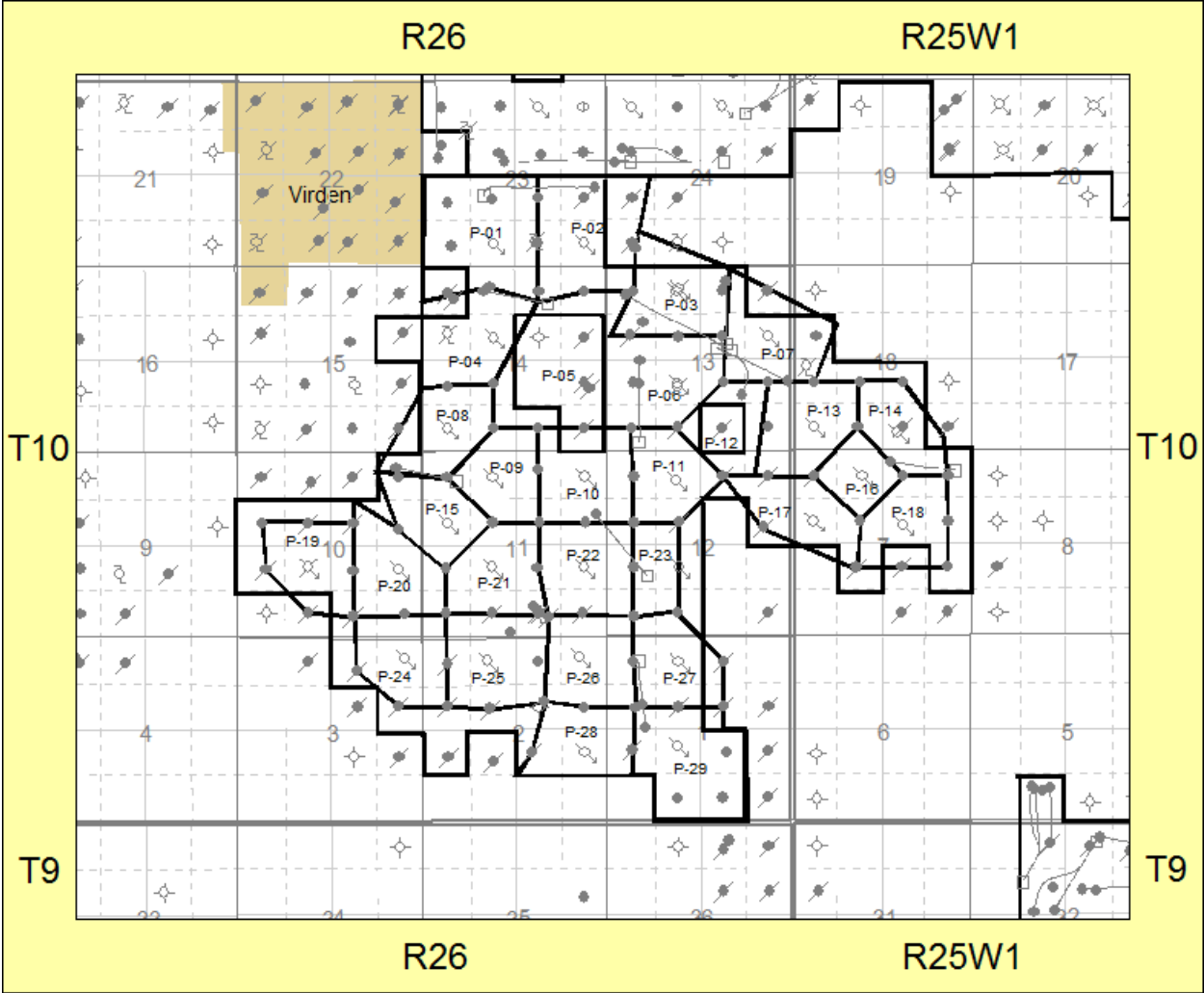
The VRR in 2012 was maintained at 0.97 when all facilities were on stream. The cumulative VRR at year end was 0.79. The high reservoir pressure is inconsistent with the cumulative VRR less than 1.0.

There is partial pressure support for the field from an aquifer on the west side of the unit and the water influx from the aquifer is not accounted for in the VRR calculation. An oil formation volume factor of $1.06 \text{ rm}^3/\text{sm}^3$ and a water formation volume factor of $1.04 \text{ rm}^3/\text{sm}^3$ were used in the VRR calculations.

2012 Well Servicing

UWID	Licence	Operation	Date	OBJECTIVE
100/05-13-010-26W1/00	001017	Maintenance	27-JAN-12	Pump change ,hot water
100/14-13-010-26W1/00	000669	Maintenance	22-MAR-12	Annual annulus pressure test.
100/08-11-010-26W1/00	001204	Maintenance	23-MAR-12	Annual annulus pressure test
100/06-11-010-26W1/00	001198	Maintenance	23-MAR-12	Annual annulus pressure test
100/12-11-010-26W1/00	001237	Maintenance	23-MAR-12	Annual annulus pressure test.
100/14-11-010-26W1/00	001202	Maintenance	23-MAR-12	Annual annulus pressure test.
100/16-11-010-26W1/00	001211	Maintenance	23-MAR-12	Annual annulus pressure test.
100/08-10-010-26W1/00	001322	Maintenance	23-MAR-12	Annual annulus pressure test.
100/14-02-010-26W1/00	001188	Maintenance	23-MAR-12	Annual annulus pressure test.
100/06-12-010-26W1/00	001292	Maintenance	23-MAR-12	Annual annulus pressure test.
100/14-01-010-26W1/00	001224	Maintenance	23-MAR-12	Annual annulus pressure test.
100/14-12-010-26W1/00	001192	Maintenance	23-MAR-12	Annual annulus pressure test.
100/04-14-010-26W1/00	001039	Maintenance	23-MAR-12	Annual annulus pressure test.
100/10-13-010-26W1/00	000743	Maintenance	25-APR-12	Pump change,possible tubing leak
102/15-07-010-25W1/00	005109	Maintenance	05-JUL-12	Pump change
100/12-07-010-25W1/00	001195	Maintenance	15-JUL-12	Annual annulus pressure test.
100/10-07-010-25W1/00	001093	Maintenance	15-JUL-12	Annual annulus pressure test.
102/02-18-010-25W1/00	002141	Maintenance	15-JUL-12	Annual annulus pressure test.
100/04-18-010-25W1/00	000938	Maintenance	15-JUL-12	Annual annulus pressure test.
100/09-13-010-26W1/00	000798	Maintenance	15-JUL-12	Annual annulus pressure test.
100/01-23-010-26W1/02	000738	Maintenance	15-JUL-12	Annual annulus pressure test.
100/03-23-010-26W1/00	000734	Maintenance	15-JUL-12	Annual annulus pressure test.
100/12-10-010-26W1/00	001450	Maintenance	23-JUL-12	Corrosion inhibitor squeeze
102/08-13-010-26W1/00	005110	Maintenance	07-AUG-12	Pump Change
100/06-18-010-25W1/00	001172	Maintenance	09-AUG-12	Pump Change
100/14-07-010-25W1/00	001037	Maintenance	13-AUG-12	Annual annulus pressure test
100/11-14-010-26W1/00	000892	Maintenance	13-AUG-12	Annual annulus pressure test
102/15-13-010-26W1/00	005045	Maintenance	30-AUG-12	Pump change ,tubing leak
100/16-03-010-26W1/00	001370	Maintenance	31-AUG-12	Annual annulus pressure test
100/16-02-010-26W1/00	001111	Maintenance	31-AUG-12	Annual annulus pressure test
100/06-01-010-26W1/00	001371	Maintenance	31-AUG-12	Annual annulus pressure test
102/08-23-010-26W1/00	006837	Maintenance	05-OCT-12	Move in service rig to repair failed pump
100/14-14-010-26W1/00	000944	Maintenance	31-OCT-12	Replace parted rod
100/05-13-010-26W1/00	001017	Maintenance	20-NOV-12	Corrosion Inhibitor squeeze
100/04-12-010-26W1/00	001270	Maintenance	27-NOV-12	MOSR for tubing pump change
100/12-10-010-26W1/00	001450	Maintenance	03-DEC-12	Corrosion inhibitor squeeze
100/14-14-010-26W1/00	000944	Maintenance	14-DEC-12	Downsize pump

Waterflood Pattern Map



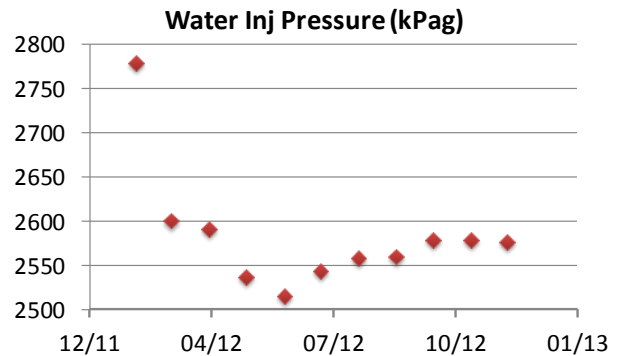
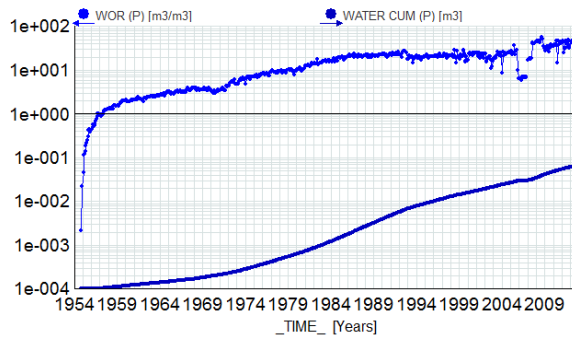
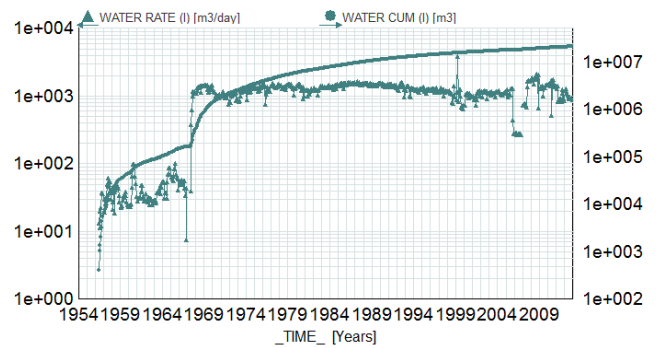
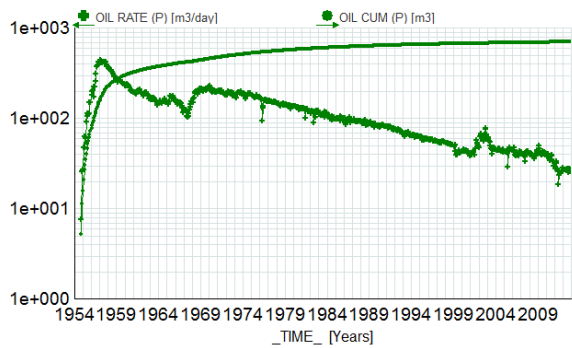
Waterflood Pattern Table

Pattern	Well
P-01	100/03-23-010-26W1/00
P-02	100/01-23-010-26W1/00
P-03	100/14-13-010-26W1/00
P-03	102/14-13-010-26W1/00
P-04	100/11-14-010-26W1/00
P-06	100/06-13-010-26W1/00
P-07	100/09-13-010-26W1/00
P-08	100/04-14-010-26W1/00
P-09	100/14-11-010-26W1/00
P-10	100/16-11-010-26W1/00
P-11	100/14-12-010-26W1/00
P-13	100/04-18-010-25W1/00
P-14	102/02-18-010-25W1/00
P-15	100/12-11-010-26W1/00
P-16	100/14-07-010-25W1/00
P-17	100/12-07-010-25W1/00
P-18	100/10-07-010-25W1/00
P-19	100/06-10-010-26W1/00
P-20	100/08-10-010-26W1/00
P-21	100/06-11-010-26W1/00
P-22	100/08-11-010-26W1/00
P-23	100/06-12-010-26W1/00
P-24	100/16-03-010-26W1/00
P-25	100/14-02-010-26W1/00
P-26	100/16-02-010-26W1/00
P-27	100/14-01-010-26W1/00
P-28	100/08-02-010-26W1/00
P-29	100/06-01-010-26W1/00

Total for VRU #3

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPa	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	839.6	27.08	37253.0	1201.71	44.37	37253.0	1201.71	2778	0.98	0.79
2/28/2012	767.7	27.42	35468.3	1266.72	46.20	35468.3	1266.72	2600	0.98	0.79
3/31/2012	833.1	26.87	37475.0	1208.87	44.98	37475.0	1208.87	2591	0.98	0.79
4/30/2012	815.7	27.19	33308.0	1110.27	40.83	33308.0	1110.27	2537	0.98	0.79
5/31/2012	817.3	26.36	32272.0	1041.03	39.49	32272.0	1041.03	2515	0.97	0.79
6/30/2012	840.8	28.03	0.0	0.00	0.00	27593.0	919.77	2543	32.02	0.79
7/31/2012	841.1	27.13	30320.0	978.06	36.05	30320.0	978.06	2558	0.97	0.79
8/31/2012	784.9	25.32	30124.0	971.74	38.38	30124.0	971.74	2559	0.97	0.79
9/30/2012	782.9	26.10	27645.0	921.50	35.31	27645.0	921.50	2578	0.97	0.79
10/31/2012	858.8	27.70	28256.0	911.48	32.90	28256.0	911.48	2578	0.97	0.79
11/30/2012	811.3	27.04	0.0	0.00	0.00	27885.0	929.50	2576	33.54	0.79
12/31/2012	811.8	26.19	27678.0	892.84	34.09	27678.0	892.84	2546	0.97	0.79

Cumulative Oil Produced (E3m3)	2587.56
Cumulative Water Produced (E3m3)	23496.60
Cumulative Water Injected (E3m3)	20686.13
Cumulative Voidage Replacement Ratio	0.79

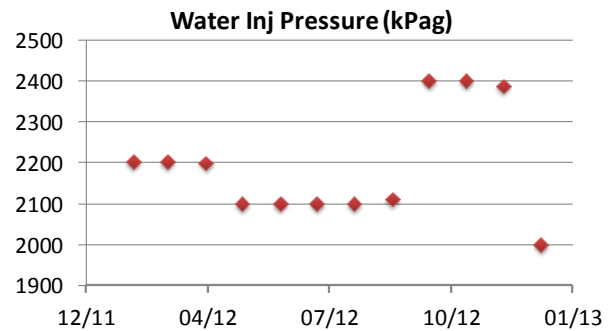
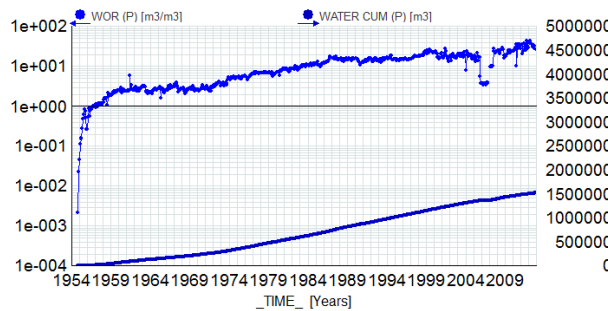
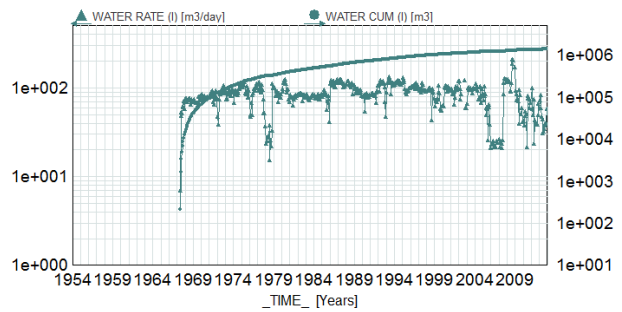
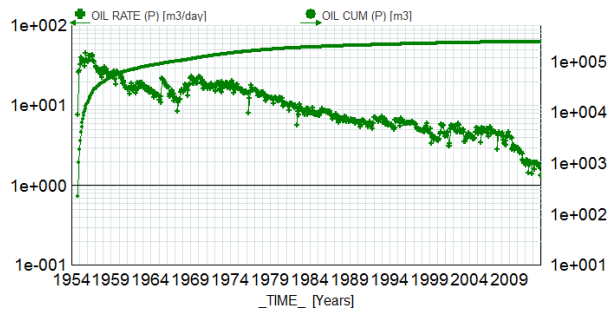


VRU #3

Pattern P-01 – 00/03-23-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	59.4	1.91	2356.6	76.02	39.71	2282.0	73.61	2200	0.94	0.78
2/28/2012	54.1	1.93	2233.2	79.76	41.30	2317.2	82.76	2200	1.01	0.78
3/31/2012	49.5	1.60	2179.6	70.31	43.99	1835.0	59.19	2197	0.82	0.78
4/30/2012	57.8	1.93	2138.8	71.29	36.97	1423.0	47.43	2100	0.65	0.78
5/31/2012	58.2	1.88	2059.8	66.45	35.39	1379.0	44.48	2100	0.65	0.78
6/30/2012	57.9	1.93	0.0	0.00	0.00	938.0	31.27	2100	15.81	0.78
7/31/2012	59.1	1.91	1868.4	60.27	31.59	1012.0	32.65	2100	0.52	0.78
8/31/2012	56.0	1.81	1951.8	62.96	34.82	1083.0	34.94	2110	0.54	0.78
9/30/2012	51.5	1.72	1645.8	54.86	31.96	1197.0	39.90	2400	0.70	0.78
10/31/2012	54.5	1.76	1535.3	49.53	28.20	1173.0	37.84	2400	0.74	0.78
11/30/2012	54.0	1.80	0.0	0.00	0.00	1208.0	40.27	2387	21.81	0.78
12/31/2012	40.9	1.32	1100.6	35.50	26.91	1822.0	58.77	2000	1.59	0.78

Cumulative Oil Produced (E3m3)	246.72
Cumulative Water Produced (E3m3)	1523.80
Cumulative Water Injected (E3m3)	1393.14
Cumulative Voidage Replacement Ratio	0.78

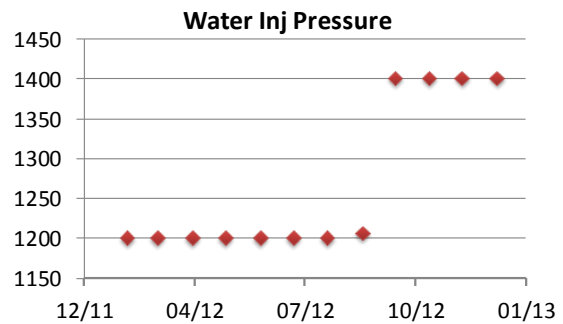
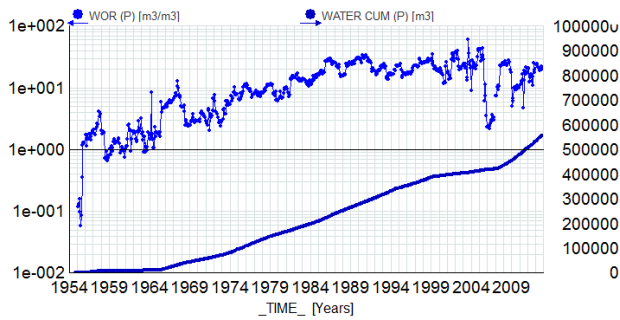
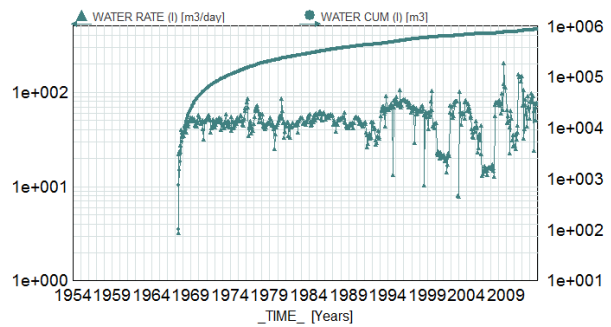
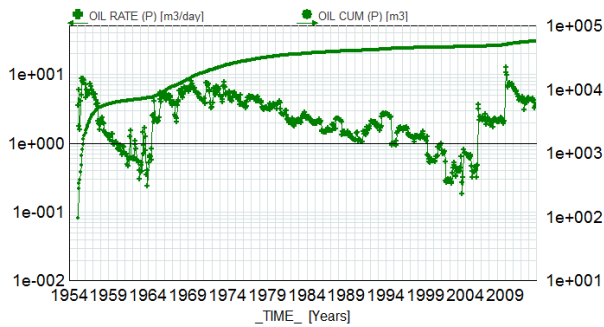


VRU #3

Pattern P-02 – 00/01-23-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	134.9	4.35	3167.3	102.17	23.48	2471.0	79.71	1200	0.75	1.42
2/28/2012	122.6	4.38	3019.8	107.85	24.64	2706.3	96.66	1200	0.86	1.42
3/31/2012	135.2	4.36	3217.7	103.80	23.81	2434.0	78.52	1200	0.73	1.42
4/30/2012	130.3	4.34	2795.4	93.18	21.45	2454.0	81.80	1200	0.84	1.41
5/31/2012	132.0	4.26	2751.6	88.76	20.85	2829.0	91.26	1200	0.98	1.41
6/30/2012	131.9	4.40	0.0	0.00	0.00	720.0	24.00	1200	5.33	1.41
7/31/2012	132.7	4.28	2504.4	80.79	18.87	1991.0	64.23	1200	0.75	1.41
8/31/2012	130.8	4.22	2651.5	85.53	20.27	2339.0	75.45	1206	0.84	1.41
9/30/2012	116.3	3.88	2253.6	75.12	19.37	1516.0	50.53	1400	0.64	1.40
10/31/2012	99.0	3.19	2171.9	70.06	21.94	2165.0	69.84	1400	0.95	1.40
11/30/2012	102.3	3.41	0.0	0.00	0.00	2318.0	77.27	1400	22.11	1.41
12/31/2012	111.9	3.61	2333.6	75.28	20.85	2334.0	75.29	1400	0.95	1.41

Cumulative Oil Produced (E3m ³)	58.28
Cumulative Water Produced (E3m ³)	557.30
Cumulative Water Injected (E3m ³)	866.92
Cumulative Voidage Replacement Ratio	1.41



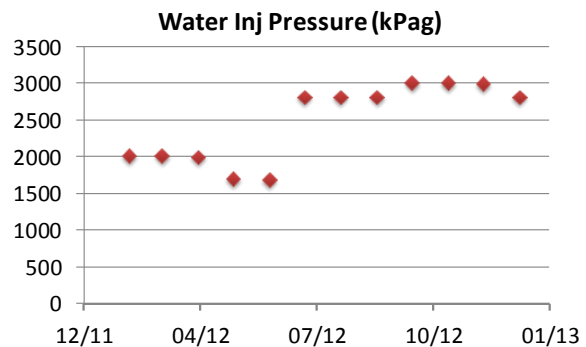
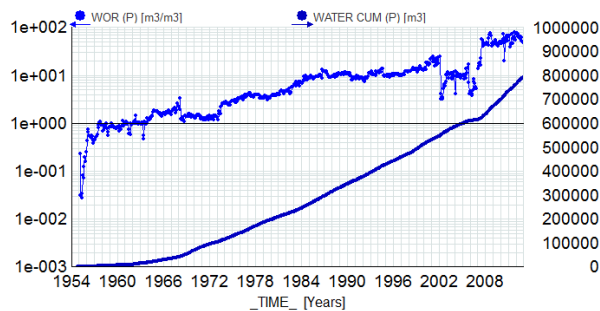
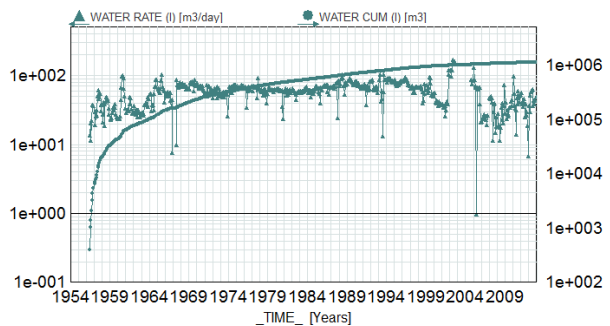
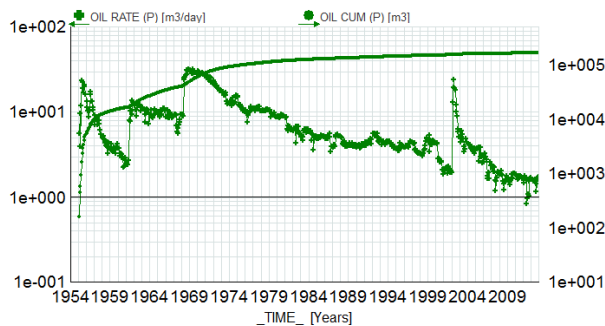
VRU #3

Pattern P-03 – 00/14-13-010-26W1/0

P-03 – 02/14-13-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	50.2	1.62	3681.4	118.75	73.36	1134.0	36.58	2000	0.30	1.20
2/28/2012	45.8	1.64	3510.2	125.36	76.61	836.1	29.86	2000	0.24	1.20
3/31/2012	50.5	1.63	3740.3	120.66	74.14	1573.0	50.74	1990	0.41	1.20
4/30/2012	46.3	1.54	2950.4	98.35	63.70	1758.0	58.60	1697	0.59	1.20
5/31/2012	49.6	1.60	3238.4	104.46	65.35	1900.0	61.29	1677	0.58	1.19
6/30/2012	49.0	1.63	0.0	0.00	0.00	1872.0	62.40	2800	37.26	1.19
7/31/2012	50.0	1.61	2942.2	94.91	58.86	1130.0	36.45	2800	0.38	1.19
8/31/2012	36.4	1.17	2393.4	77.21	65.72	1327.0	42.81	2806	0.55	1.19
9/30/2012	42.8	1.43	2635.8	87.86	61.56	1140.0	38.00	3000	0.43	1.19
10/31/2012	48.1	1.55	2569.0	82.87	53.43	1358.0	43.81	3000	0.52	1.19
11/30/2012	50.7	1.69	0.0	0.00	0.00	1287.0	42.90	2993	24.78	1.19
12/31/2012	53.5	1.73	2611.9	84.25	48.80	1488.0	48.00	2800	0.56	1.19

Cumulative Oil Produced (E3m3)	167.76
Cumulative Water Produced (E3m3)	791.15
Cumulative Water Injected (E3m3)	1142.43
Cumulative Voidage Replacement Ratio	1.19

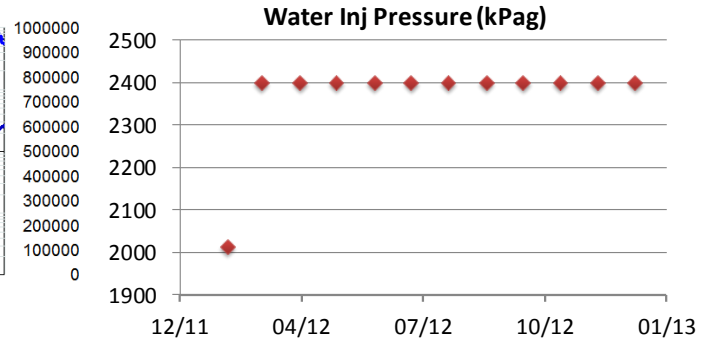
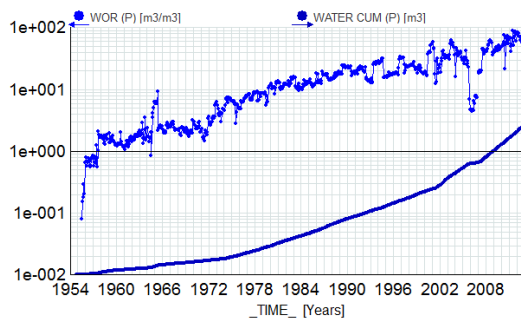
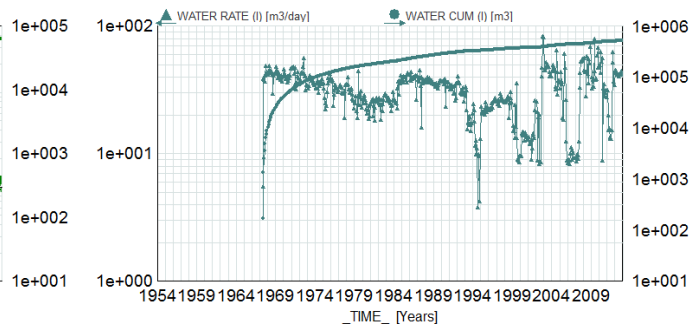
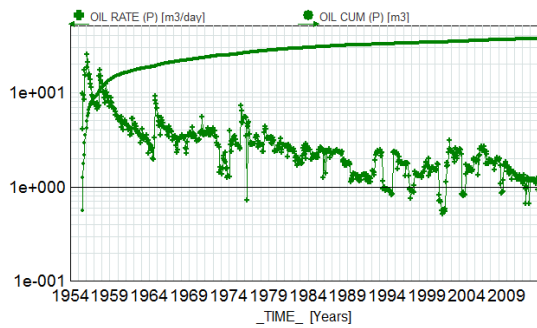


VRU #3

Pattern P-04 – 00/11-14-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	37.1	1.20	2935.3	94.69	79.23	1410.0	45.48	2013	0.47	0.79
2/28/2012	33.5	1.20	2781.7	99.35	83.03	1246.5	44.52	2400	0.44	0.79
3/31/2012	36.5	1.18	2945.7	95.02	80.59	1331.0	42.94	2400	0.45	0.79
4/30/2012	35.9	1.20	2675.3	89.18	74.42	1270.0	42.33	2400	0.47	0.79
5/31/2012	36.3	1.17	2565.6	82.76	70.68	1301.0	41.97	2400	0.50	0.79
6/30/2012	36.1	1.20	0.0	0.00	0.00	1214.0	40.47	2400	32.81	0.79
7/31/2012	36.7	1.19	2327.1	75.07	63.32	1297.0	41.84	2400	0.55	0.79
8/31/2012	34.6	1.11	2450.7	79.05	70.93	1311.0	42.29	2400	0.53	0.79
9/30/2012	32.4	1.08	2118.8	70.63	65.40	1287.0	42.90	2400	0.60	0.79
10/31/2012	35.2	1.13	2021.8	65.22	57.52	1321.0	42.61	2400	0.64	0.79
11/30/2012	36.5	1.22	0.0	0.00	0.00	1333.0	44.43	2400	35.59	0.79
12/31/2012	28.8	0.93	1602.4	51.69	55.64	1297.0	41.84	2400	0.79	0.79

Cumulative Oil Produced (E3m ³)	63.70
Cumulative Water Produced (E3m ³)	600.28
Cumulative Water Injected (E3m ³)	525.81
Cumulative Voidage Replacement Ratio	0.79

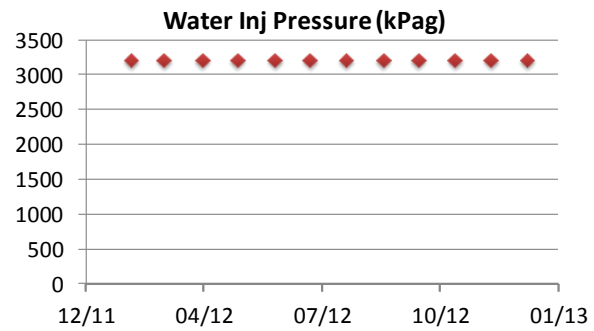
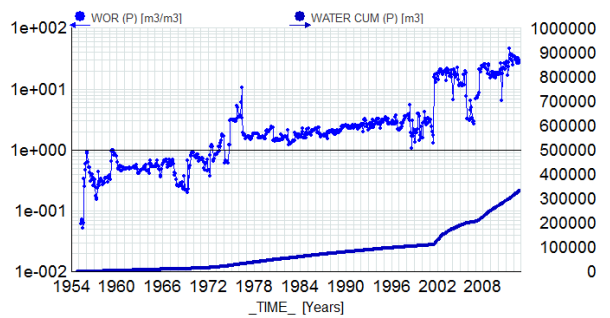
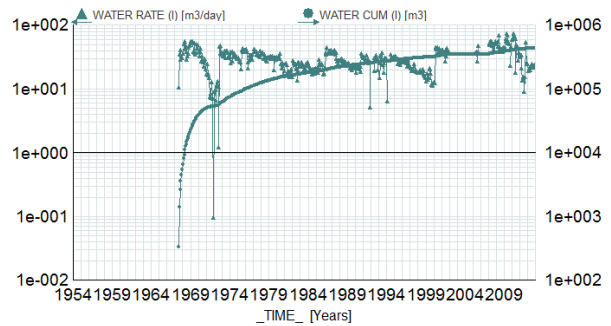
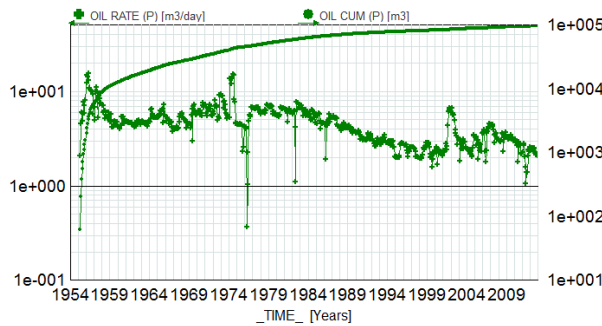


VRU #3

Pattern P-06 – 00/06-13-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	73.2	2.36	2524.5	81.44	34.49	595.0	19.19	3200	0.23	1.05
2/28/2012	69.6	2.49	2426.9	86.68	34.87	590.9	21.10	3200	0.24	1.04
3/31/2012	75.4	2.43	2521.2	81.33	33.46	679.0	21.90	3200	0.26	1.04
4/30/2012	74.9	2.50	2334.1	77.80	31.17	602.0	20.07	3200	0.25	1.03
5/31/2012	74.6	2.41	2210.2	71.30	29.65	671.0	21.65	3200	0.29	1.03
6/30/2012	74.9	2.50	0.0	0.00	0.00	741.0	24.70	3200	9.65	1.03
7/31/2012	76.5	2.47	2030.4	65.50	26.55	701.0	22.61	3200	0.33	1.03
8/31/2012	67.9	2.19	2177.8	70.25	32.06	732.0	23.61	3200	0.33	1.03
9/30/2012	63.1	2.10	1899.8	63.33	30.10	671.0	22.37	3200	0.34	1.02
10/31/2012	68.8	2.22	1849.1	59.65	26.88	721.0	23.26	3200	0.38	1.02
11/30/2012	64.5	2.15	0.0	0.00	0.00	724.0	24.13	3200	10.95	1.02
12/31/2012	65.0	2.10	1772.7	57.18	27.28	689.0	22.23	3200	0.37	1.02

Cumulative Oil Produced (E3m ³)	97.72
Cumulative Water Produced (E3m ³)	333.40
Cumulative Water Injected (E3m ³)	441.36
Cumulative Voidage Replacement Ratio	1.02

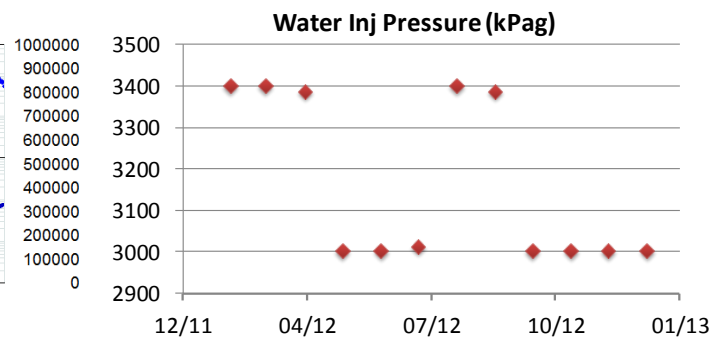
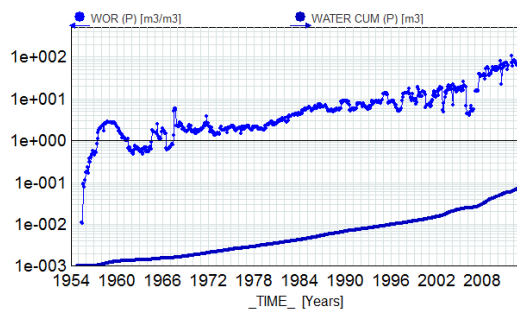
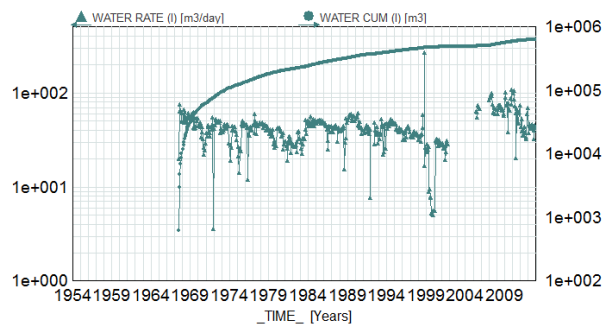
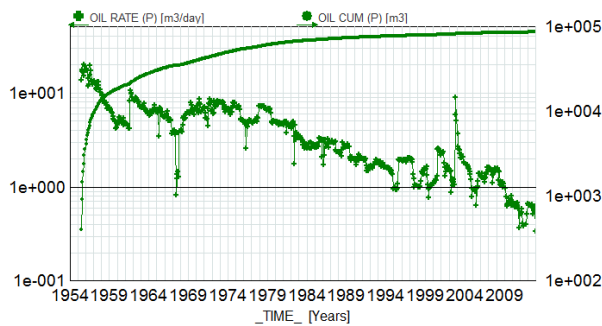


VRU #3

Pattern P-07 – 00/09-13-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	19.8	0.64	1577.7	50.89	79.68	1153.0	37.19	3400	0.72	1.56
2/28/2012	18.1	0.65	1515.4	54.12	83.71	1242.6	44.38	3400	0.81	1.55
3/31/2012	19.9	0.64	1614.6	52.08	81.13	1450.0	46.77	3387	0.89	1.55
4/30/2012	19.2	0.64	1423.6	47.45	74.15	1265.0	42.17	3000	0.88	1.55
5/31/2012	19.5	0.63	1393.8	44.96	71.48	1294.0	41.74	3000	0.92	1.55
6/30/2012	19.5	0.65	0.0	0.00	0.00	1391.0	46.37	3013	69.60	1.55
7/31/2012	19.0	0.61	1174.6	37.89	61.82	1405.0	45.32	3400	1.18	1.55
8/31/2012	15.9	0.51	1042.6	33.63	65.78	1319.0	42.55	3387	1.25	1.55
9/30/2012	16.7	0.56	1101.1	36.70	65.93	1204.0	40.13	3000	1.08	1.55
10/31/2012	18.2	0.59	1071.9	34.58	59.06	993.0	32.03	3000	0.91	1.54
11/30/2012	18.6	0.62	0.0	0.00	0.00	1370.0	45.67	3000	72.06	1.55
12/31/2012	10.5	0.34	525.9	16.96	50.09	1329.0	42.87	3000	2.48	1.55

Cumulative Oil Produced (E3m ³)	87.05
Cumulative Water Produced (E3m ³)	326.88
Cumulative Water Injected (E3m ³)	644.32
Cumulative Voidage Replacement Ratio	1.55

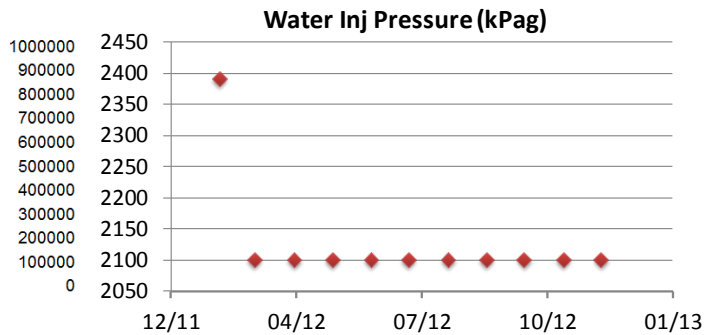
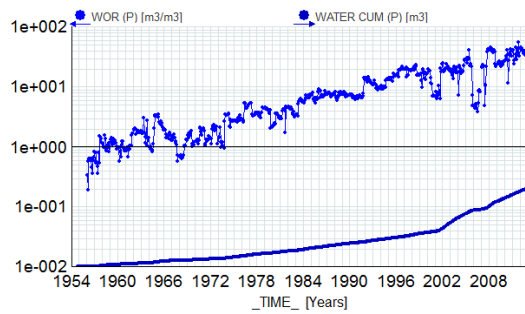
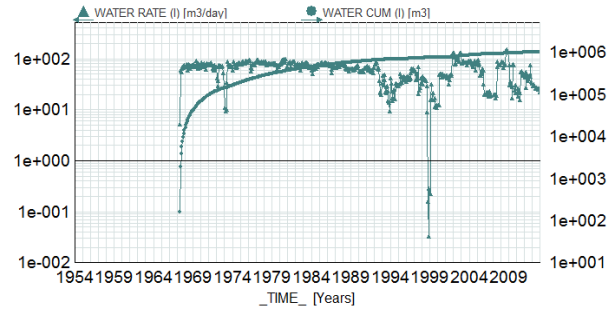
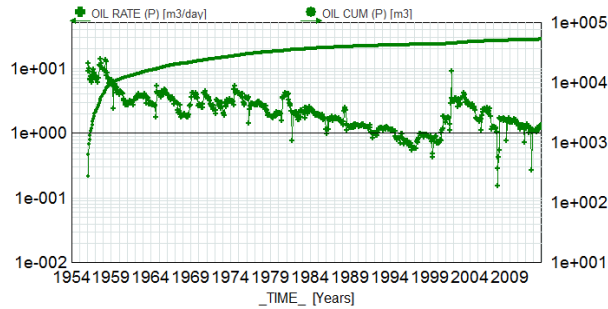


VRU #3

Pattern P-08 – 00/04-14-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	33.3	1.07	1469.1	47.39	44.12	892.0	28.77	2390	0.59	2.75
2/28/2012	30.2	1.08	1392.3	49.72	46.07	878.6	31.38	2100	0.62	2.74
3/31/2012	33.3	1.07	1483.4	47.85	44.55	930.0	30.00	2100	0.61	2.73
4/30/2012	32.5	1.08	1339.0	44.63	41.20	890.0	29.67	2100	0.65	2.73
5/31/2012	32.6	1.05	1284.1	41.42	39.39	810.0	26.13	2100	0.61	2.72
6/30/2012	36.7	1.22	0.0	0.00	0.00	774.0	25.80	2100	20.58	2.72
7/31/2012	36.6	1.18	1327.1	42.81	36.26	821.0	26.48	2100	0.60	2.71
8/31/2012	37.1	1.20	1504.3	48.52	40.60	801.0	25.84	2100	0.52	2.70
9/30/2012	34.7	1.16	1312.8	43.76	37.78	781.0	26.03	2100	0.58	2.70
10/31/2012	37.8	1.22	1277.8	41.22	33.85	781.0	25.19	2100	0.59	2.69
11/30/2012	38.7	1.29	0.0	0.00	0.00	777.0	25.90	2100	19.62	2.69
12/31/2012	40.9	1.32	1297.6	41.86	31.76	699.0	22.55	2100	0.52	2.68

Cumulative Oil Produced (E3m ³)	53.17
Cumulative Water Produced (E3m ³)	326.28
Cumulative Water Injected (E3m ³)	1021.84
Cumulative Voidage Replacement Ratio	2.68

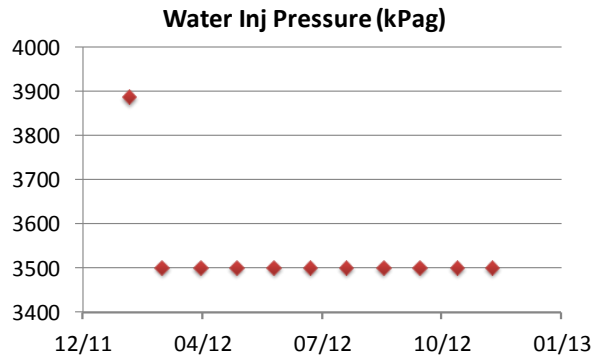
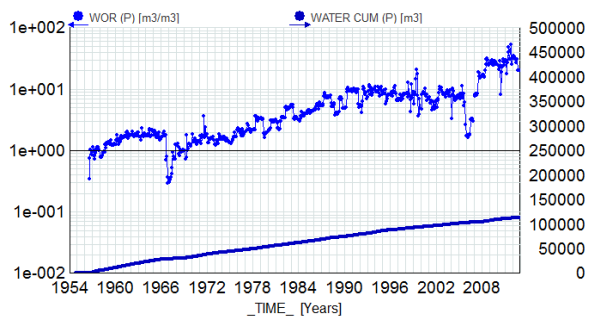
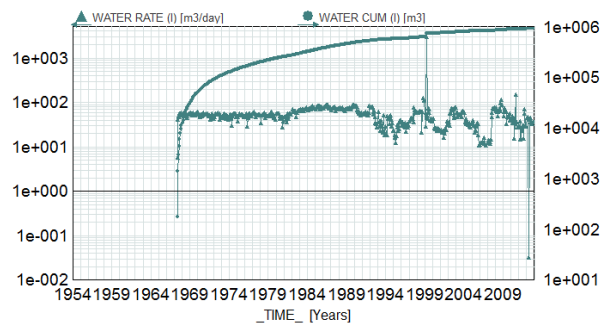
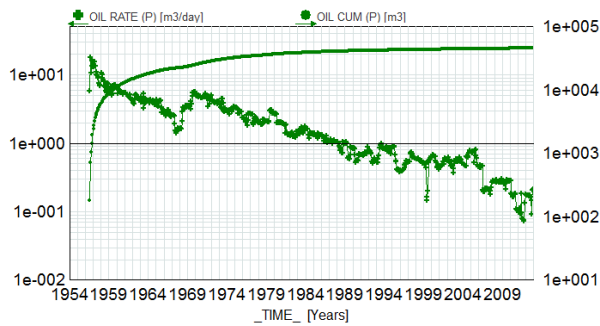


VRU #3

Pattern P-09 – 00/14-11-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	5.3	0.17	181.2	5.84	34.15	1413.0	45.58	3887	7.57	5.80
2/28/2012	4.9	0.17	171.7	6.13	35.24	1310.2	46.79	3500	7.41	5.80
3/31/2012	5.3	0.17	182.9	5.90	34.32	1371.0	44.23	3500	7.28	5.80
4/30/2012	5.2	0.17	165.1	5.50	31.62	1.0	0.03	3500	0.01	5.80
5/31/2012	5.2	0.17	158.3	5.11	30.37	1287.0	41.52	3500	7.86	5.80
6/30/2012	5.2	0.17	0.0	0.00	0.00	1341.0	44.70	3500	249.37	5.81
7/31/2012	5.3	0.17	143.6	4.63	27.08	1101.0	35.52	3500	7.39	5.81
8/31/2012	5.1	0.16	154.0	4.97	30.47	1099.0	35.45	3500	6.90	5.81
9/30/2012	2.7	0.09	54.3	1.81	19.89	989.0	32.97	3500	17.32	5.82
10/31/2012	4.5	0.15	90.7	2.93	20.16	1021.0	32.94	3500	10.71	5.82
11/30/2012	6.3	0.21	0.0	0.00	0.00	1071.0	35.70	3500	166.84	5.82
12/31/2012	6.6	0.21	132.9	4.29	20.10	1113.0	35.90	3500	7.97	5.83

Cumulative Oil Produced (E3m ³)	45.86
Cumulative Water Produced (E3m ³)	113.74
Cumulative Water Injected (E3m ³)	936.58
Cumulative Voidage Replacement Ratio	5.83

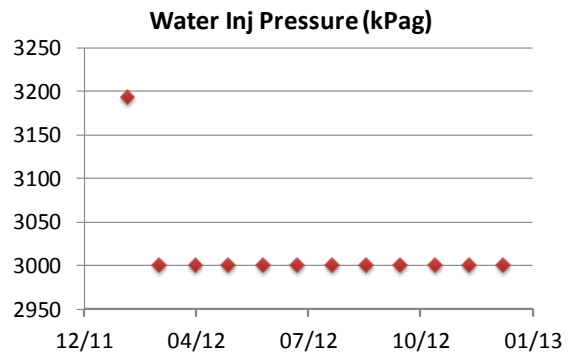
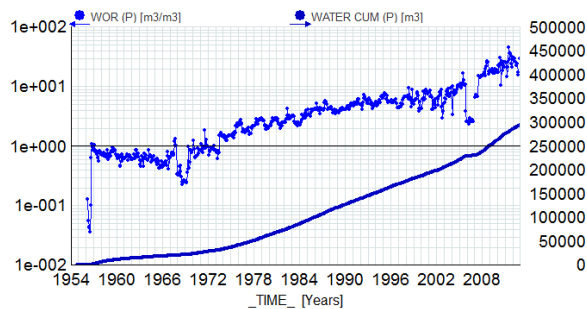
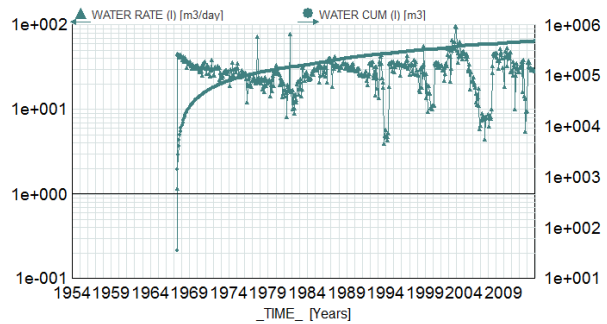
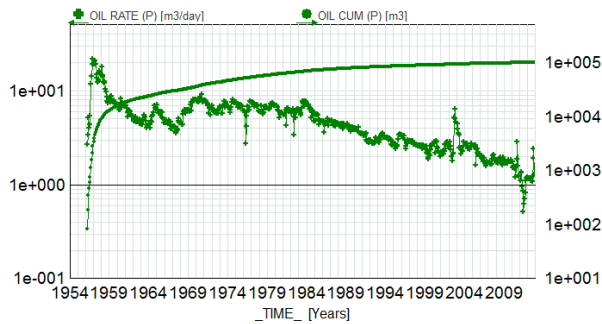


VRU #3

Pattern P-10 – 00/16-11-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	35.8	1.15	1027.3	33.14	28.73	1116.0	36.00	3194	1.05	1.20
2/28/2012	32.6	1.16	981.6	35.06	30.13	1053.4	37.62	3000	1.04	1.20
3/31/2012	35.9	1.16	1045.9	33.74	29.15	989.0	31.90	3000	0.91	1.20
4/30/2012	35.0	1.17	943.9	31.46	26.96	1081.0	36.03	3000	1.10	1.20
5/31/2012	34.5	1.11	893.9	28.83	25.92	971.0	31.32	3000	1.04	1.20
6/30/2012	35.0	1.17	0.0	0.00	0.00	912.0	30.40	3000	25.40	1.20
7/31/2012	34.1	1.10	768.4	24.79	22.56	901.0	29.06	3000	1.12	1.20
8/31/2012	33.5	1.08	810.1	26.13	24.15	917.0	29.58	3000	1.09	1.20
9/30/2012	57.0	1.90	984.5	32.82	17.26	887.0	29.57	3000	0.85	1.20
10/31/2012	74.8	2.41	1175.3	37.91	15.72	914.0	29.48	3000	0.73	1.20
11/30/2012	38.7	1.29	0.0	0.00	0.00	889.0	29.63	3000	22.44	1.20
12/31/2012	40.8	1.32	1224.8	39.51	29.99	873.0	28.16	3000	0.69	1.20

Cumulative Oil Produced (E3m3)	100.51
Cumulative Water Produced (E3m3)	294.49
Cumulative Water Injected (E3m3)	475.25
Cumulative Voidage Replacement Ratio	1.20

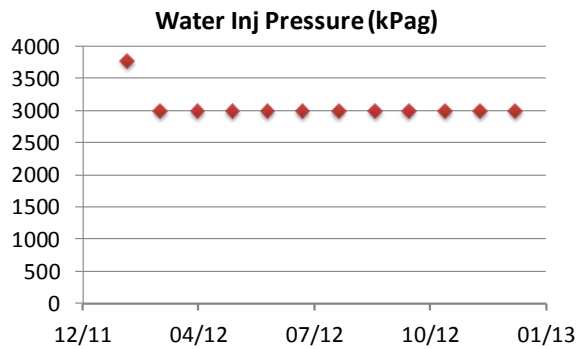
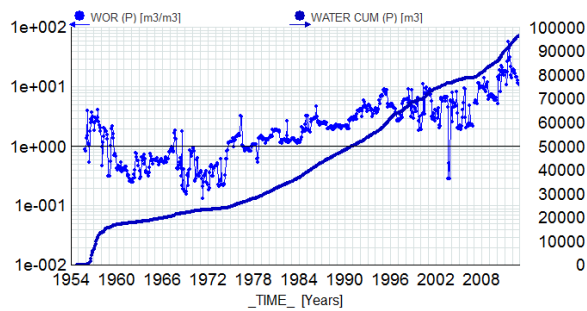
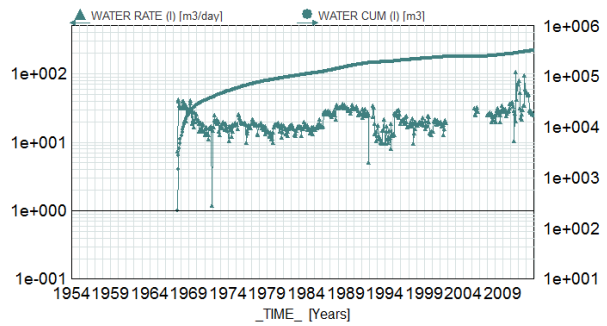
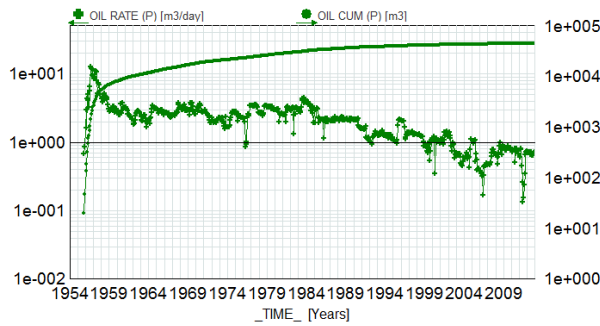


VRU #3

Pattern P-11 – 00/14-12-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	21.7	0.70	406.3	13.11	18.75	1636.0	52.77	3774	3.82	2.25
2/28/2012	19.8	0.71	393.0	14.04	19.84	1361.4	48.62	3000	3.29	2.25
3/31/2012	21.8	0.70	418.8	13.51	19.23	1531.0	49.39	3000	3.47	2.26
4/30/2012	21.3	0.71	377.9	12.60	17.77	1491.0	49.70	3000	3.73	2.26
5/31/2012	20.7	0.67	351.0	11.32	17.00	897.0	28.94	3000	2.41	2.26
6/30/2012	21.3	0.71	0.0	0.00	0.00	814.0	27.13	3000	37.31	2.27
7/31/2012	21.0	0.68	304.7	9.83	14.53	881.0	28.42	3000	2.70	2.27
8/31/2012	19.9	0.64	290.9	9.38	14.60	862.0	27.81	3000	2.77	2.27
9/30/2012	18.9	0.63	245.2	8.17	12.94	781.0	26.03	3000	2.95	2.27
10/31/2012	20.7	0.67	238.7	7.70	11.55	811.0	26.16	3000	3.12	2.27
11/30/2012	21.2	0.71	0.0	0.00	0.00	789.0	26.30	3000	36.33	2.28
12/31/2012	22.4	0.72	242.4	7.82	10.83	771.0	24.87	3000	2.91	2.28

Cumulative Oil Produced (E3m ³)	45.42
Cumulative Water Produced (E3m ³)	96.58
Cumulative Water Injected (E3m ³)	326.05
Cumulative Voidage Replacement Ratio	2.28

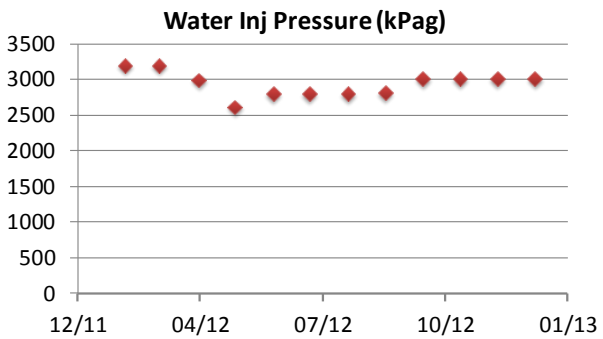
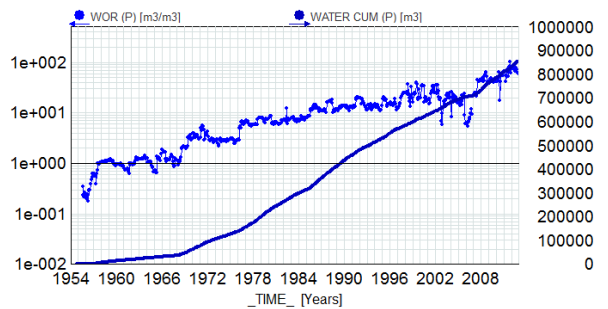
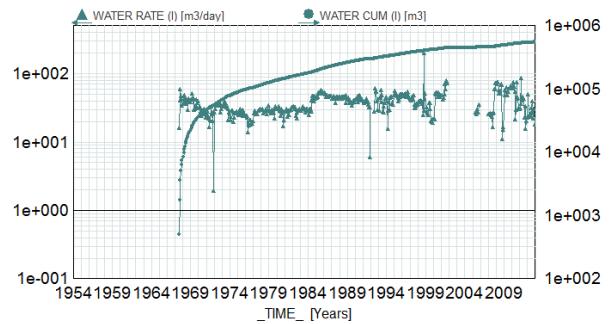
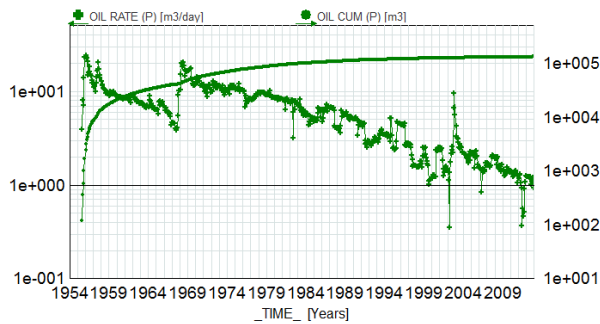


VRU #3

Pattern P-13 – 00/04-18-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	37.7	1.22	3070.7	99.05	81.45	1555.0	50.16	3200	0.50	0.56
2/28/2012	34.3	1.23	2930.3	104.65	85.42	680.7	24.31	3193	0.23	0.56
3/31/2012	37.7	1.22	3119.5	100.63	82.79	720.0	23.23	2987	0.23	0.56
4/30/2012	36.7	1.22	2784.4	92.81	75.80	773.0	25.77	2607	0.27	0.56
5/31/2012	37.0	1.19	2698.8	87.06	72.88	813.0	26.23	2800	0.30	0.56
6/30/2012	37.0	1.23	0.0	0.00	0.00	701.0	23.37	2800	18.47	0.56
7/31/2012	36.1	1.17	2360.1	76.13	65.32	970.0	31.29	2800	0.40	0.56
8/31/2012	31.2	1.01	2380.5	76.79	76.30	1226.0	39.55	2806	0.51	0.56
9/30/2012	32.1	1.07	2288.8	76.29	71.23	821.0	27.37	3000	0.35	0.56
10/31/2012	34.9	1.13	2227.8	71.87	63.78	681.0	21.97	3000	0.30	0.56
11/30/2012	35.8	1.19	0.0	0.00	0.00	916.0	30.53	3000	24.99	0.56
12/31/2012	28.6	0.92	1699.9	54.83	59.40	556.0	17.94	3000	0.32	0.56

Cumulative Oil Produced (E3m ³)	132.97
Cumulative Water Produced (E3m ³)	853.56
Cumulative Water Injected (E3m ³)	552.67
Cumulative Voidage Replacement Ratio	0.56

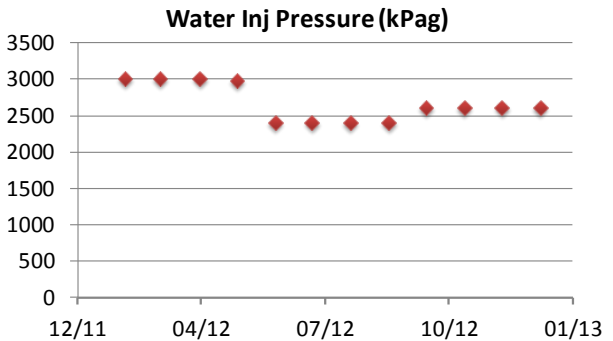
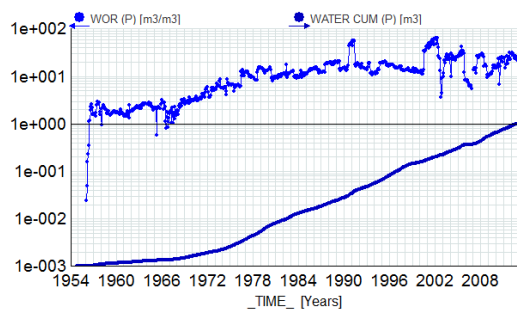
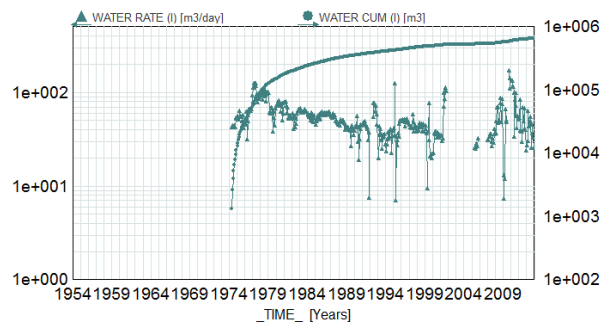
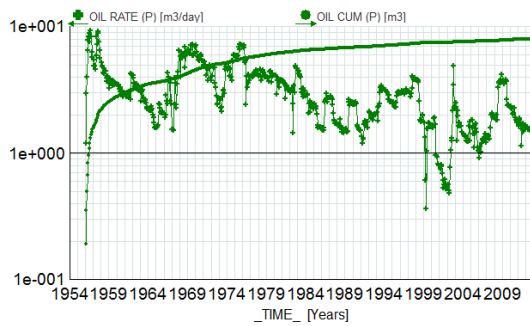


VRU #3

Pattern P-14 – 02/02-18-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	49.8	1.61	1499.6	48.38	30.08	850.0	27.42	3000	0.55	0.98
2/28/2012	45.1	1.61	1421.1	50.75	31.52	850.6	30.38	3000	0.58	0.98
3/31/2012	48.9	1.58	1493.7	48.18	30.53	1979.0	63.84	3000	1.28	0.98
4/30/2012	46.1	1.54	1269.5	42.32	27.56	1294.0	43.13	2980	0.98	0.98
5/31/2012	47.9	1.55	1283.8	41.41	26.77	1396.0	45.03	2400	1.05	0.98
6/30/2012	45.8	1.53	0.0	0.00	0.00	1488.0	49.60	2400	31.67	0.98
7/31/2012	46.9	1.51	1118.4	36.08	23.82	1704.0	54.97	2400	1.46	0.98
8/31/2012	46.7	1.51	1276.0	41.16	27.34	791.0	25.52	2406	0.60	0.98
9/30/2012	44.8	1.49	1132.0	37.73	25.29	1348.0	44.93	2600	1.14	0.98
10/31/2012	46.7	1.51	1042.2	33.62	22.30	1130.0	36.45	2600	1.04	0.98
11/30/2012	50.0	1.67	0.0	0.00	0.00	994.0	33.13	2600	19.41	0.98
12/31/2012	52.7	1.70	1118.8	36.09	21.22	802.0	25.87	2600	0.68	0.98

Cumulative Oil Produced (E3m ³)	64.07
Cumulative Water Produced (E3m ³)	601.78
Cumulative Water Injected (E3m ³)	655.85
Cumulative Voidage Replacement Ratio	0.98

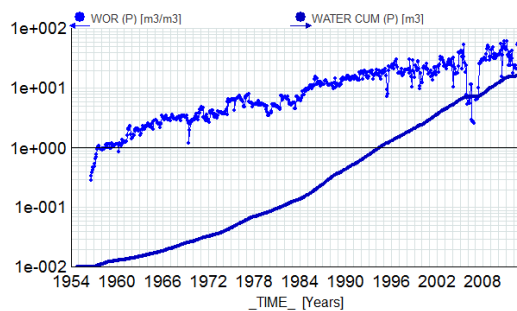
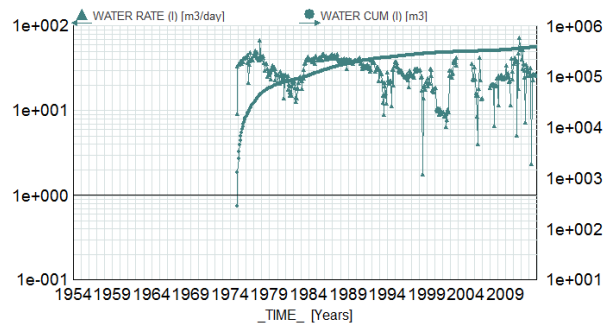
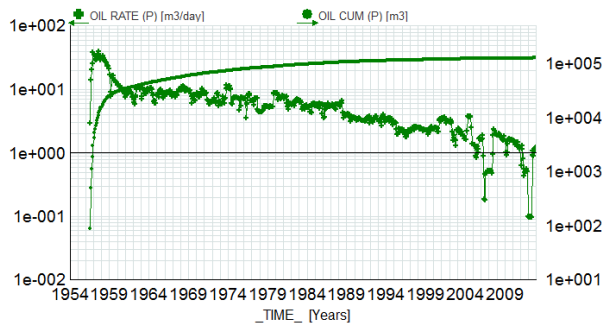


VRU #3

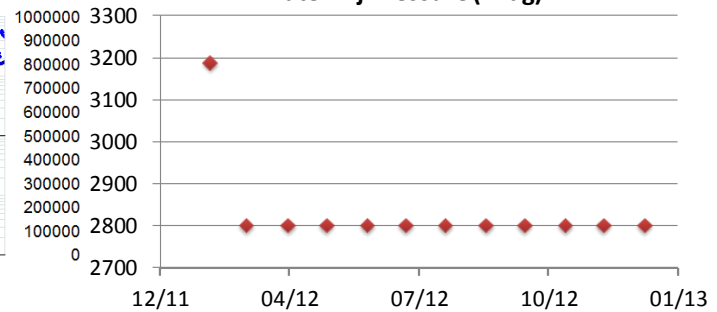
Pattern P-15 – 00/12-11-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	3.0	0.10	72.2	2.33	23.84	810.0	26.13	3187	10.75	0.40
2/28/2012	2.8	0.10	68.5	2.44	24.47	889.2	31.76	2800	12.47	0.40
3/31/2012	3.0	0.10	72.9	2.35	24.05	813.0	26.23	2800	10.70	0.40
4/30/2012	3.0	0.10	65.8	2.19	21.97	71.0	2.37	2800	1.03	0.41
5/31/2012	3.0	0.10	63.1	2.04	21.29	831.0	26.81	2800	12.56	0.41
6/30/2012	27.6	0.92	0.0	0.00	0.00	687.0	22.90	2800	24.29	0.41
7/31/2012	33.0	1.07	1788.8	57.70	54.16	847.0	27.32	2800	0.46	0.41
8/31/2012	27.8	0.90	1578.6	50.92	56.82	816.0	26.32	2800	0.51	0.41
9/30/2012	31.9	1.06	1723.2	57.44	53.97	789.0	26.30	2800	0.45	0.41
10/31/2012	34.9	1.13	1677.4	54.11	48.07	814.0	26.26	2800	0.48	0.41
11/30/2012	35.7	1.19	0.0	0.00	0.00	823.0	27.43	2800	22.49	0.41
12/31/2012	37.9	1.22	1703.3	54.95	44.99	797.0	25.71	2800	0.46	0.41

Cumulative Oil Produced (E3m ³)	128.27
Cumulative Water Produced (E3m ³)	809.25
Cumulative Water Injected (E3m ³)	383.86
Cumulative Voidage Replacement Ratio	0.41



Water Inj Pressure (kPag)

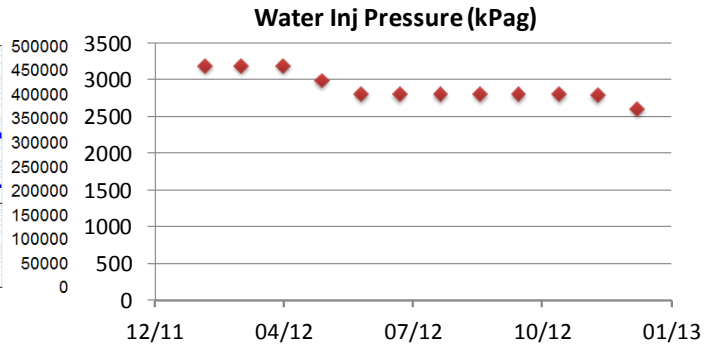
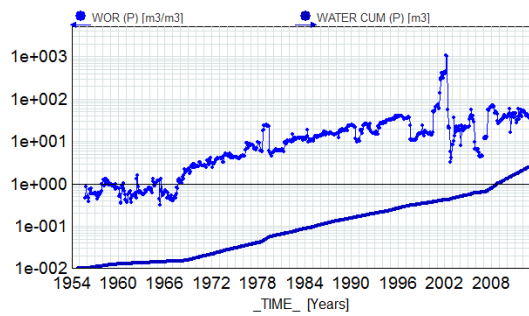
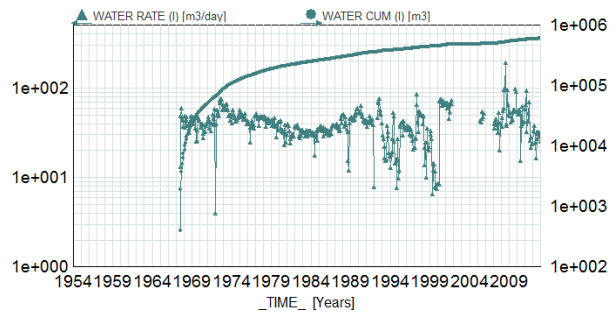
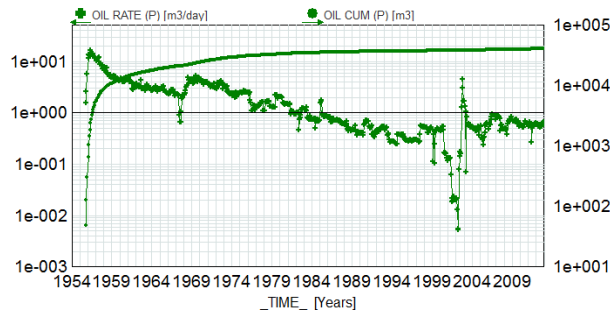


VRU #3

Pattern P-16 – 00/14-07-010-25W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	19.0	0.61	961.9	31.03	50.64	1035.0	33.39	3200	1.05	2.44
2/28/2012	17.1	0.61	911.5	32.55	53.20	1063.0	37.97	3200	1.14	2.44
3/31/2012	18.7	0.60	959.4	30.95	51.36	1167.0	37.65	3194	1.19	2.43
4/30/2012	16.0	0.53	779.4	25.98	48.82	736.0	24.53	2993	0.92	2.43
5/31/2012	17.8	0.58	813.7	26.25	45.59	511.0	16.48	2800	0.61	2.42
6/30/2012	15.7	0.52	0.0	0.00	0.00	807.0	26.90	2800	50.00	2.43
7/31/2012	16.9	0.55	690.4	22.27	40.74	1013.0	32.68	2800	1.43	2.42
8/31/2012	18.4	0.59	820.8	26.48	44.54	964.0	31.10	2800	1.15	2.42
9/30/2012	17.3	0.58	716.3	23.88	41.49	912.0	30.40	2800	1.24	2.42
10/31/2012	16.8	0.54	637.7	20.57	37.96	996.0	32.13	2800	1.52	2.41
11/30/2012	19.2	0.64	0.0	0.00	0.00	848.0	28.27	2793	43.06	2.42
12/31/2012	20.3	0.66	708.0	22.84	34.86	787.0	25.39	2600	1.08	2.41

Cumulative Oil Produced (E3m ³)	40.95
Cumulative Water Produced (E3m ³)	209.95
Cumulative Water Injected (E3m ³)	607.88
Cumulative Voidage Replacement Ratio	2.41

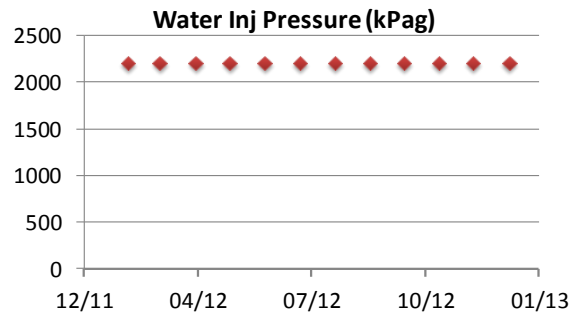
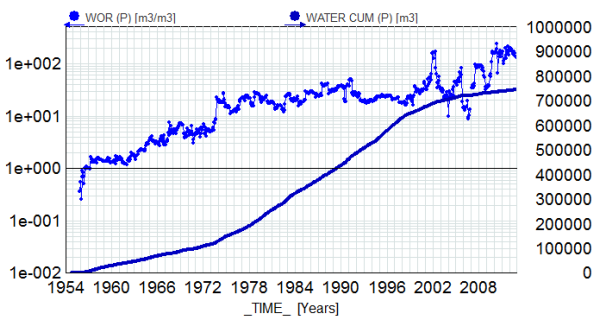
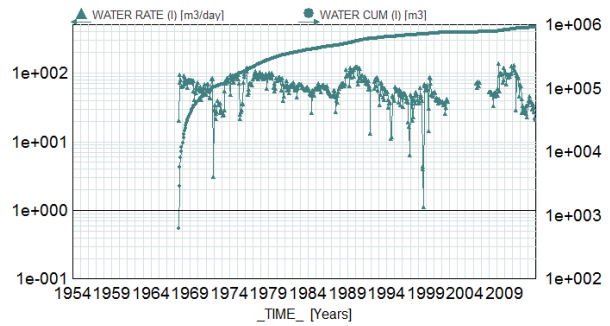
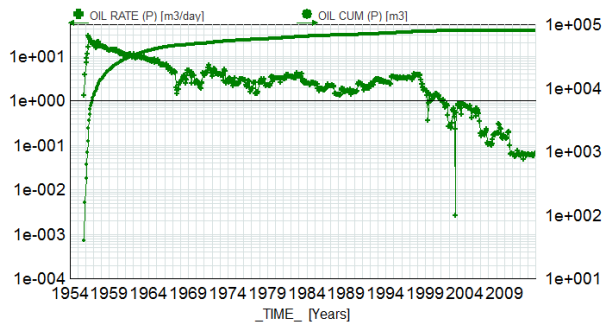


VRU #3

Pattern P-18 – 00/10-07-010-25W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPa	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	1.9	0.06	359.8	11.61	184.67	1219.0	39.32	2200	3.37	1.10
2/28/2012	1.7	0.06	341.0	12.18	200.05	1273.5	45.48	2200	3.72	1.10
3/31/2012	1.9	0.06	361.2	11.65	190.28	1150.0	37.10	2200	3.17	1.10
4/30/2012	1.8	0.06	327.9	10.93	178.99	1161.0	38.70	2200	3.52	1.10
5/31/2012	1.9	0.06	314.5	10.15	168.63	1179.0	38.03	2200	3.73	1.11
6/30/2012	1.9	0.06	0.0	0.00	0.00	896.0	29.87	2200	468.72	1.11
7/31/2012	1.9	0.06	285.2	9.20	152.91	1070.0	34.52	2200	3.73	1.11
8/31/2012	1.8	0.06	310.2	10.01	169.32	1099.0	35.45	2200	3.52	1.11
9/30/2012	1.7	0.06	270.7	9.02	156.29	945.0	31.50	2200	3.47	1.11
10/31/2012	1.9	0.06	263.5	8.50	141.28	855.0	27.58	2200	3.22	1.11
11/30/2012	1.9	0.06	0.0	0.00	0.00	666.0	22.20	2200	342.29	1.11
12/31/2012	0.0	0.07	267.6	8.63	130.64	652.0	21.03	2200	2.42	1.11

Cumulative Oil Produced (E3m ³)	82.02
Cumulative Water Produced (E3m ³)	744.69
Cumulative Water Injected (E3m ³)	921.07
Cumulative Voidage Replacement Ratio	1.11

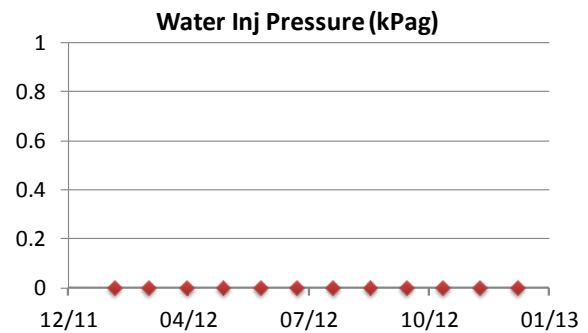
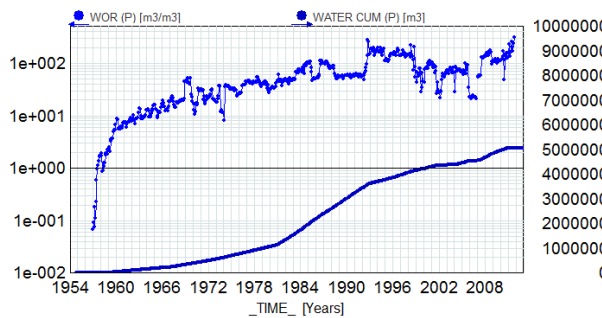
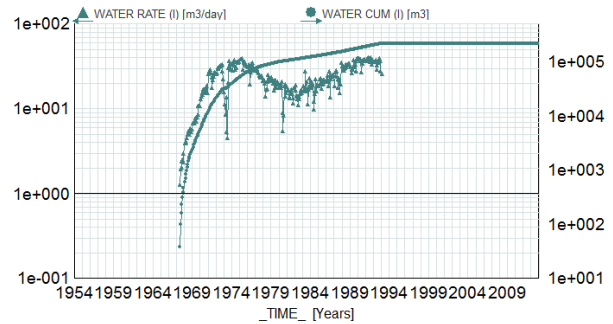
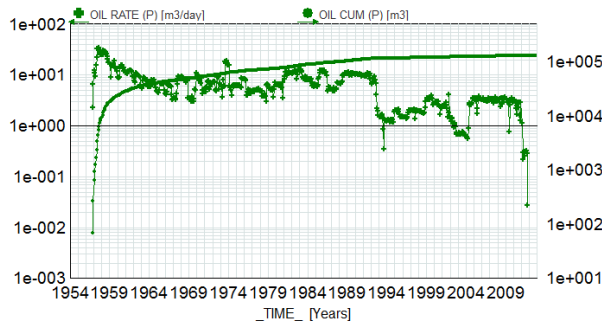


VRU #3

Pattern P-19 – 00/06-10-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
2/28/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
3/31/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
4/30/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
5/31/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
6/30/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
7/31/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
8/31/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
9/30/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
10/30/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
11/30/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04
12/31/2012	0.0	0.00	0.0	0.00		0.0	0.00	--	#DIV/0!	0.04

Cumulative Oil Produced (E3m ³)	131.58
Cumulative Water Produced (E3m ³)	5084.99
Cumulative Water Injected (E3m ³)	217.73
Cumulative Voidage Replacement Ratio	0.04

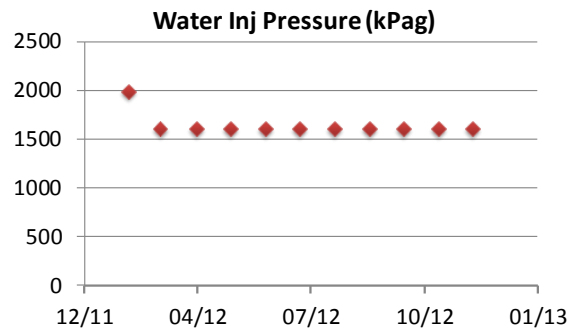
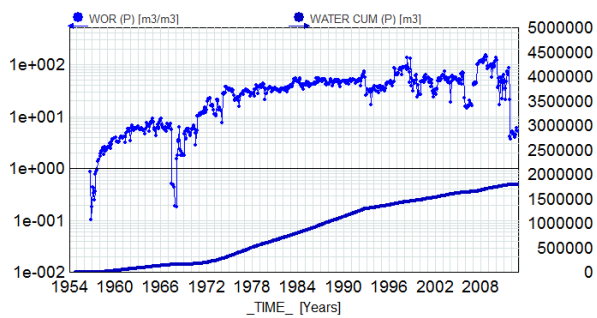
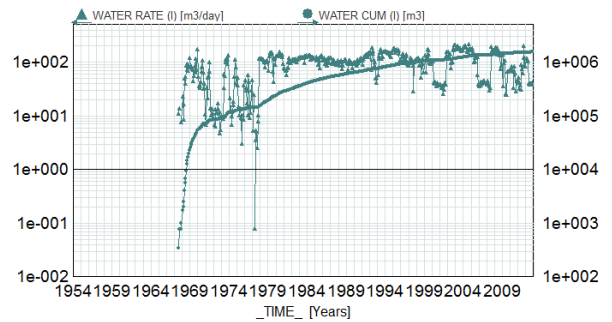
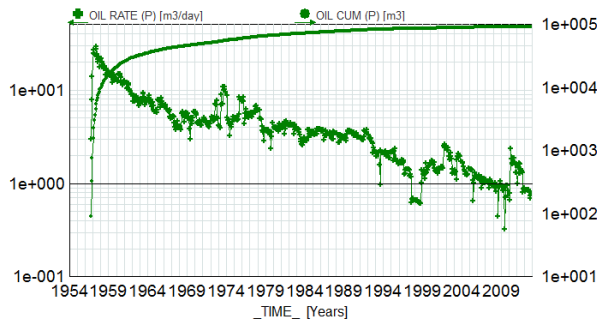


VRU #3

Pattern P-20 – 00/08-10-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPa	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	25.5	0.82	125.1	4.04	4.91	3565.0	115.00	1987	23.57	0.81
2/28/2012	23.9	0.86	122.5	4.38	5.12	3301.1	117.90	1600	22.45	0.81
3/31/2012	26.4	0.85	130.6	4.21	4.95	3217.0	103.77	1600	20.42	0.81
4/30/2012	25.8	0.86	117.9	3.93	4.58	3111.0	103.70	1600	21.57	0.81
5/31/2012	25.9	0.83	113.0	3.65	4.37	1254.0	40.45	1600	8.99	0.81
6/30/2012	25.8	0.86	0.0	0.00	0.00	1181.0	39.37	1600	44.75	0.81
7/31/2012	26.2	0.85	102.5	3.30	3.90	1231.0	39.71	1600	9.52	0.81
8/31/2012	25.4	0.82	112.6	3.63	4.44	1254.0	40.45	1600	9.05	0.81
9/30/2012	20.9	0.70	127.1	4.24	6.10	1203.0	40.10	1600	8.10	0.81
10/31/2012	22.8	0.74	123.7	3.99	5.43	1245.0	40.16	1600	8.47	0.81
11/30/2012	23.3	0.78	0.0	0.00	0.00	1234.0	41.13	1600	51.68	0.82
12/31/2012	24.6	0.79	125.7	4.05	5.11	1181.0	38.10	1600	7.83	0.82

Cumulative Oil Produced (E3m ³)	93.92
Cumulative Water Produced (E3m ³)	1796.18
Cumulative Water Injected (E3m ³)	1544.48
Cumulative Voidage Replacement Ratio	0.82

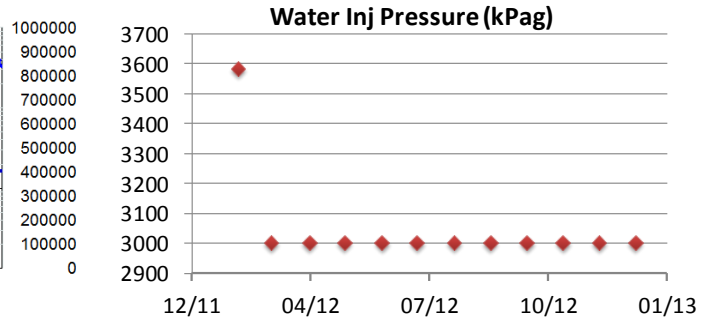
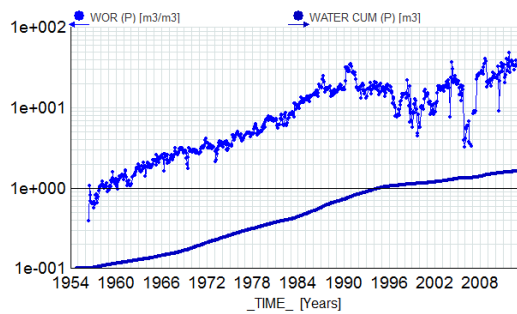
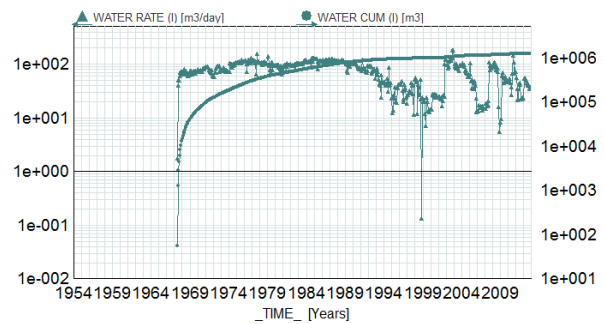
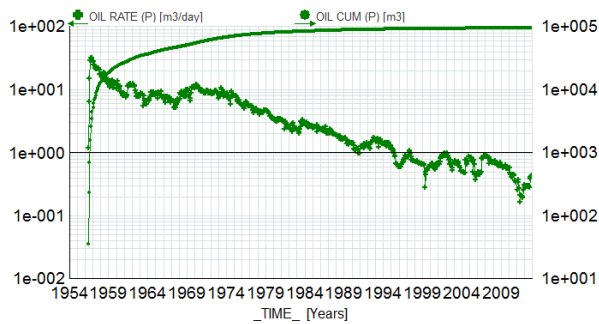


VRU #3

Pattern P-21 – 00/06-11-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	9.1	0.29	338.8	10.93	37.42	1656.0	53.42	3581	4.76	2.47
2/28/2012	8.3	0.29	321.1	11.47	38.91	1563.2	55.83	3000	4.74	2.47
3/31/2012	9.1	0.29	342.1	11.04	37.68	1597.0	51.52	3000	4.54	2.47
4/30/2012	8.9	0.30	308.8	10.29	34.80	1480.0	49.33	3000	4.66	2.47
5/31/2012	8.9	0.29	296.1	9.55	33.22	1397.0	45.06	3000	4.58	2.47
6/30/2012	8.9	0.30	0.0	0.00	0.00	1212.0	40.40	3000	132.92	2.47
7/31/2012	9.1	0.29	268.6	8.67	29.67	1289.0	41.58	3000	4.64	2.47
8/31/2012	8.7	0.28	292.3	9.43	33.58	1271.0	41.00	3000	4.22	2.48
9/30/2012	11.5	0.38	443.7	14.79	38.48	1145.0	38.17	3000	2.51	2.48
10/31/2012	12.6	0.41	431.9	13.93	34.28	1089.0	35.13	3000	2.45	2.48
11/30/2012	12.8	0.43	0.0	0.00	0.00	1121.0	37.37	3000	85.36	2.48
12/31/2012	13.6	0.44	438.6	14.15	32.34	1089.0	35.13	3000	2.41	2.48

Cumulative Oil Produced (E3m ³)	95.66
Cumulative Water Produced (E3m ³)	404.48
Cumulative Water Injected (E3m ³)	1244.98
Cumulative Voidage Replacement Ratio	2.48

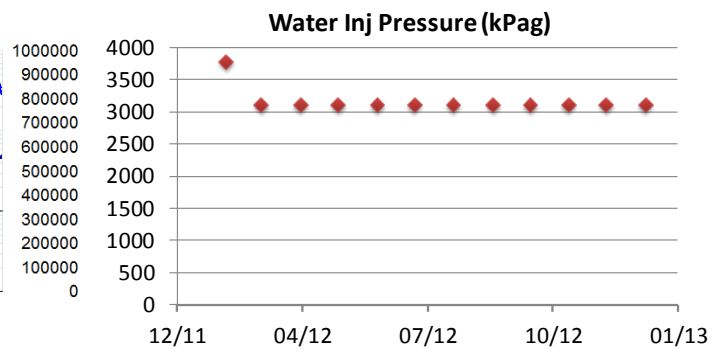
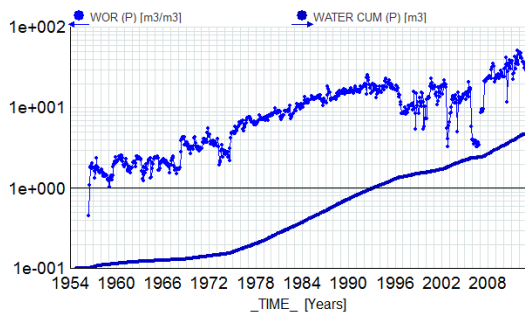
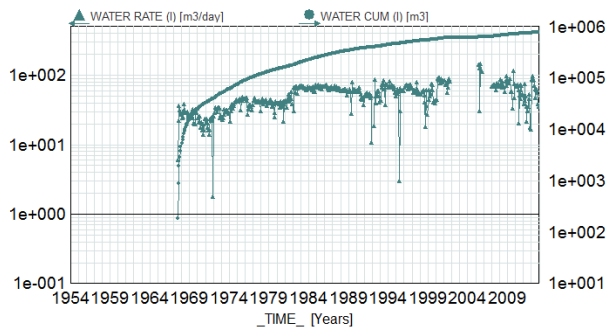
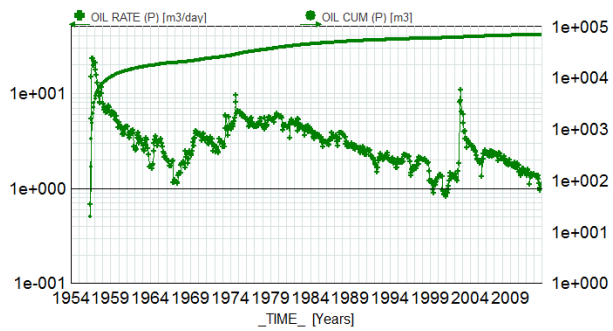


VRU #3

Pattern P-22 – 00/08-11-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	41.8	1.35	1953.3	63.01	46.70	2715.0	87.58	3777	1.36	1.23
2/28/2012	38.0	1.36	1859.2	66.40	48.87	2723.7	97.28	3100	1.43	1.23
3/31/2012	42.0	1.35	1980.9	63.90	47.20	2581.0	83.26	3100	1.28	1.23
4/30/2012	41.0	1.37	1788.0	59.60	43.58	2598.0	86.60	3100	1.42	1.23
5/31/2012	40.1	1.29	1664.5	53.69	41.46	2215.0	71.45	3100	1.30	1.23
6/30/2012	41.0	1.37	0.0	0.00	0.00	1415.0	47.17	3100	33.70	1.23
7/31/2012	38.8	1.25	1451.6	46.83	37.42	1971.0	63.58	3100	1.32	1.23
8/31/2012	35.2	1.13	1293.6	41.73	36.79	1967.0	63.45	3100	1.48	1.23
9/30/2012	28.7	0.96	994.1	33.14	34.67	1841.0	61.37	3100	1.80	1.23
10/31/2012	31.7	1.02	984.6	31.76	31.08	1721.0	55.52	3100	1.69	1.24
11/30/2012	32.5	1.08	0.0	0.00	0.00	1141.0	38.03	3100	34.31	1.24
12/31/2012	34.3	1.11	999.9	32.26	29.15	1091.0	35.19	3100	1.05	1.24

Cumulative Oil Produced (E3m3)	69.59
Cumulative Water Produced (E3m3)	558.74
Cumulative Water Injected (E3m3)	779.08
Cumulative Voidage Replacement Ratio	1.24

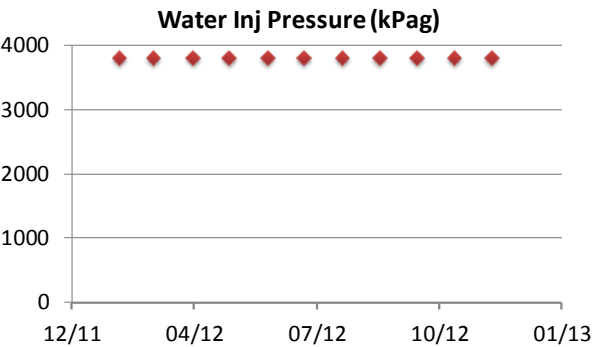
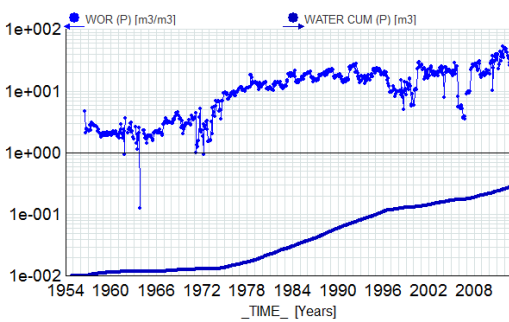
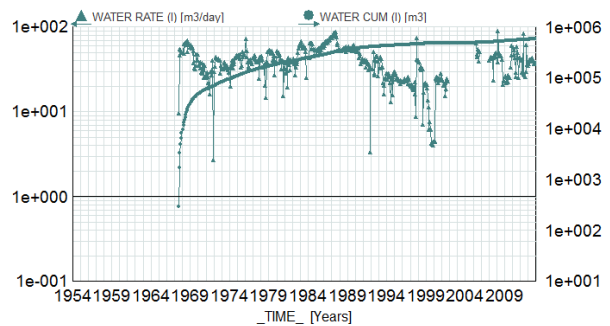
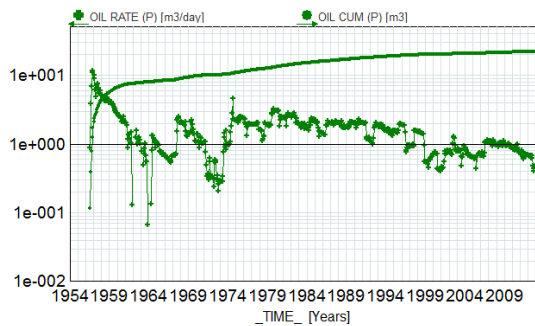


VRU #3

Pattern P-23 – 00/06-12-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	20.7	0.67	989.5	31.92	47.80	1147.0	37.00	3800	1.13	1.49
2/28/2012	19.0	0.68	945.8	33.78	49.85	1167.3	41.69	3800	1.21	1.49
3/31/2012	20.9	0.67	1007.6	32.50	48.17	1231.0	39.71	3800	1.20	1.49
4/30/2012	20.5	0.68	909.5	30.32	44.37	1247.0	41.57	3800	1.34	1.49
5/31/2012	19.5	0.63	822.0	26.52	42.17	1262.0	40.71	3800	1.50	1.49
6/30/2012	20.5	0.68	0.0	0.00	0.00	1316.0	43.87	3800	62.71	1.49
7/31/2012	19.5	0.63	738.2	23.81	37.92	1301.0	41.97	3800	1.72	1.49
8/31/2012	14.9	0.48	512.3	16.53	34.31	1271.0	41.00	3800	2.41	1.49
9/30/2012	12.1	0.40	352.9	11.76	29.22	1178.0	39.27	3800	3.23	1.49
10/31/2012	13.6	0.44	353.2	11.39	26.02	1145.0	36.94	3800	3.12	1.50
11/30/2012	13.9	0.46	0.0	0.00	0.00	1131.0	37.70	3800	79.68	1.50
12/31/2012	14.7	0.47	358.7	11.57	24.40	1171.0	37.77	3800	3.13	1.50

Cumulative Oil Produced (E3m ³)	32.88
Cumulative Water Produced (E3m ³)	359.25
Cumulative Water Injected (E3m ³)	589.76
Cumulative Voidage Replacement Ratio	1.50

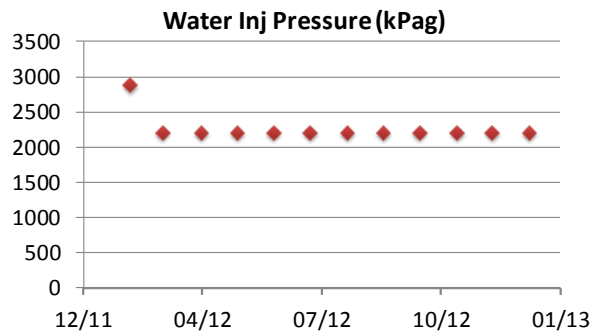
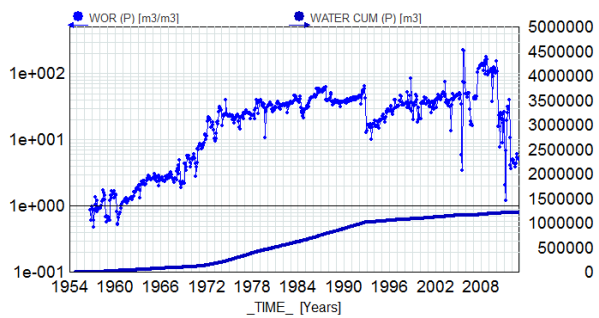
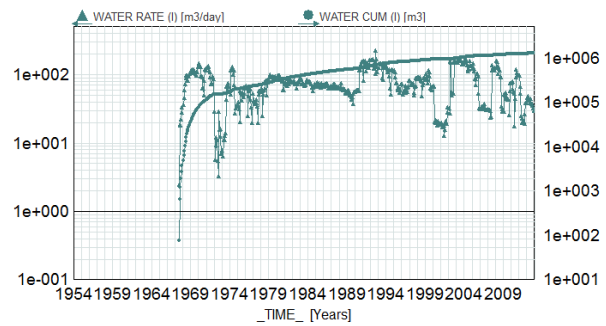
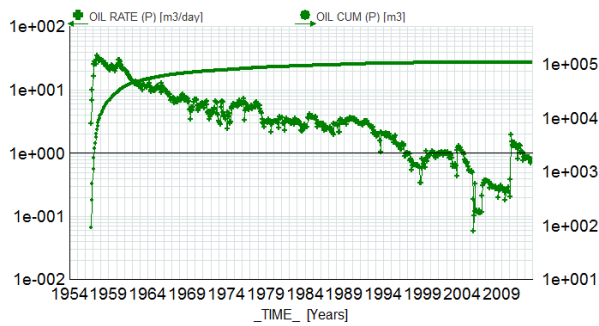


VRU #3

Pattern P-24 – 00/16-03-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	25.5	0.82	125.1	4.04	4.91	1440.0	46.45	2877	9.52	0.94
2/28/2012	23.9	0.86	122.5	4.38	5.12	1349.8	48.21	2200	9.18	0.94
3/31/2012	26.4	0.85	130.6	4.21	4.95	1301.0	41.97	2200	8.26	0.94
4/30/2012	25.8	0.86	117.9	3.93	4.58	1289.0	42.97	2200	8.94	0.94
5/31/2012	25.9	0.83	113.0	3.65	4.37	1211.0	39.06	2200	8.68	0.94
6/30/2012	25.8	0.86	0.0	0.00	0.00	1341.0	44.70	2200	50.81	0.94
7/31/2012	26.2	0.85	102.5	3.30	3.90	1187.0	38.29	2200	9.18	0.94
8/31/2012	25.4	0.82	112.6	3.63	4.44	1171.0	37.77	2200	8.45	0.94
9/30/2012	20.9	0.70	127.1	4.24	6.10	1071.0	35.70	2200	7.21	0.95
10/31/2012	22.8	0.74	123.7	3.99	5.43	1145.0	36.94	2200	7.79	0.95
11/30/2012	23.3	0.78	0.0	0.00	0.00	981.0	32.70	2200	41.08	0.95
12/31/2012	24.6	0.79	125.7	4.05	5.11	913.0	29.45	2200	6.05	0.95

Cumulative Oil Produced (E3m ³)	110.43
Cumulative Water Produced (E3m ³)	1220.85
Cumulative Water Injected (E3m ³)	1263.90
Cumulative Voidage Replacement Ratio	0.95

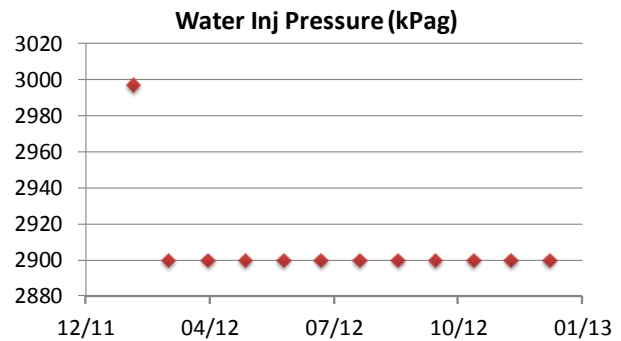
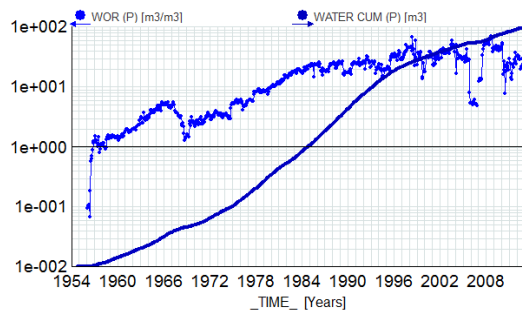
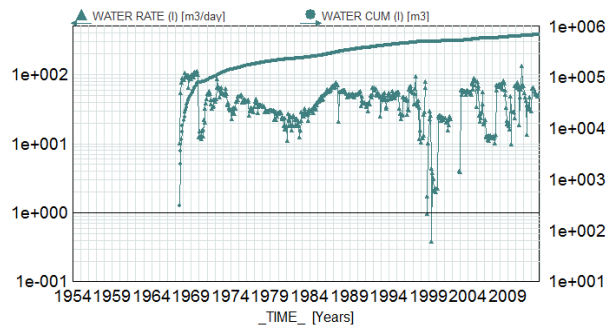
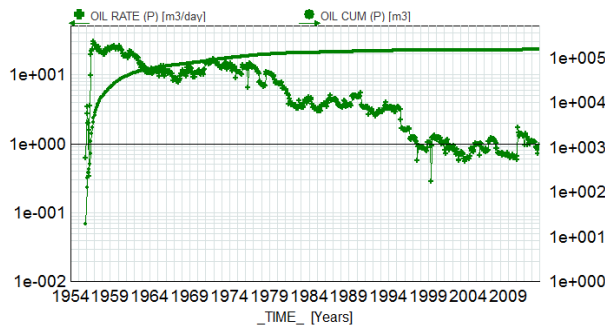


VRU #3

Pattern P-25 – 00/14-02-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	32.0	1.03	1049.2	33.85	32.75	1934.0	62.39	2997	1.79	0.59
2/28/2012	29.9	1.07	1009.8	36.07	33.83	1825.8	65.21	2900	1.75	0.59
3/31/2012	32.8	1.06	1076.0	34.71	32.81	1977.0	63.77	2900	1.78	0.59
4/30/2012	32.0	1.07	971.2	32.37	30.30	1891.0	63.03	2900	1.88	0.59
5/31/2012	32.2	1.04	931.4	30.04	28.95	1797.0	57.97	2900	1.86	0.59
6/30/2012	27.2	0.91	0.0	0.00	0.00	1614.0	53.80	2900	57.90	0.59
7/31/2012	27.2	0.88	531.4	17.14	19.51	1587.0	51.19	2900	2.84	0.60
8/31/2012	26.4	0.85	583.2	18.81	22.06	1599.0	51.58	2900	2.62	0.60
9/30/2012	21.8	0.73	643.8	21.46	29.48	1478.0	49.27	2900	2.22	0.60
10/31/2012	25.3	0.82	744.8	24.03	29.46	1512.0	48.77	2900	1.96	0.60
11/30/2012	27.4	0.91	0.0	0.00	0.00	1531.0	51.03	2900	54.48	0.60
12/31/2012	29.7	0.96	900.1	29.04	30.27	1581.0	51.00	2900	1.70	0.60

Cumulative Oil Produced (E3m ³)	150.64
Cumulative Water Produced (E3m ³)	997.45
Cumulative Water Injected (E3m ³)	691.95
Cumulative Voidage Replacement Ratio	0.60

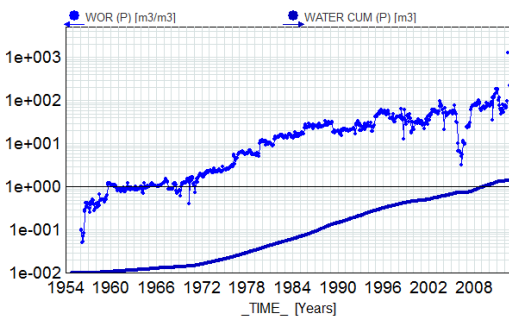
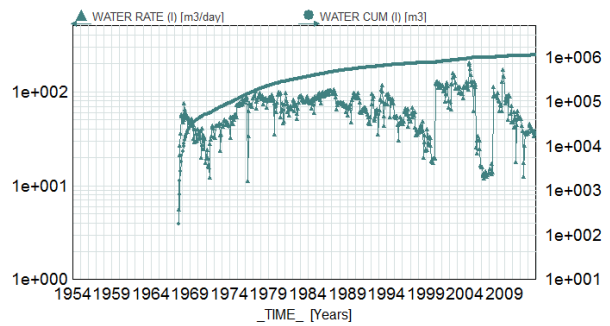
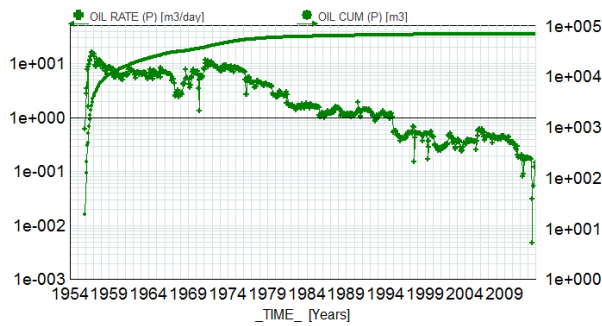


VRU #3

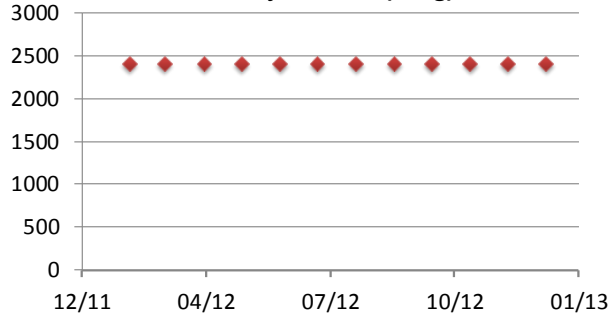
Pattern P-26 – 00/16-02-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	5.4	0.17	395.4	12.75	73.21	1153.0	37.19	2400	2.88	2.45
2/28/2012	4.9	0.18	374.6	13.38	76.08	1227.2	43.83	2400	3.23	2.45
3/31/2012	5.4	0.17	399.2	12.88	73.93	1412.0	45.55	2400	3.49	2.45
4/30/2012	5.3	0.18	360.3	12.01	68.63	1302.0	43.40	2400	3.56	2.45
5/31/2012	5.3	0.17	516.7	16.67	96.58	1264.0	40.77	2400	2.42	2.45
6/30/2012	1.0	0.03	0.0	0.00	0.00	1181.0	39.37	2400	1213.00	2.45
7/31/2012	0.2	0.00	194.1	6.26	1294.00	1181.0	38.10	2400	6.08	2.45
8/31/2012	0.0	0.00	0.0	0.00		1193.0	38.48	2400	#DIV/0!	2.46
9/30/2012	0.0	0.00	0.0	0.00		1008.0	33.60	2400	#DIV/0!	2.46
10/31/2012	1.7	0.05	387.1	12.49	227.71	1145.0	36.94	2400	2.94	2.46
11/30/2012	3.6	0.12	0.0	0.00	0.00	1151.0	38.37	2400	311.97	2.46
12/31/2012	4.6	0.15	791.3	25.52	172.01	1089.0	35.13	2400	1.37	2.46

Cumulative Oil Produced (E3m3)	69.61
Cumulative Water Produced (E3m3)	378.23
Cumulative Water Injected (E3m3)	1105.23
Cumulative Voidage Replacement Ratio	2.46



Water Inj Pressure (kPag)

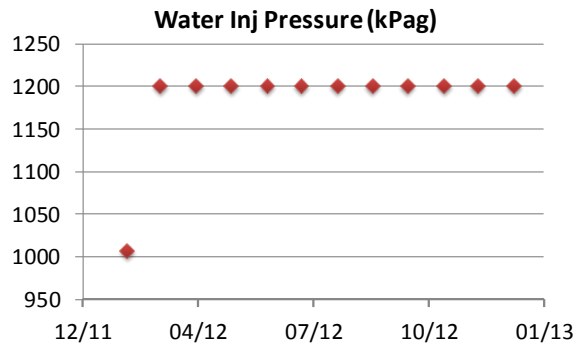
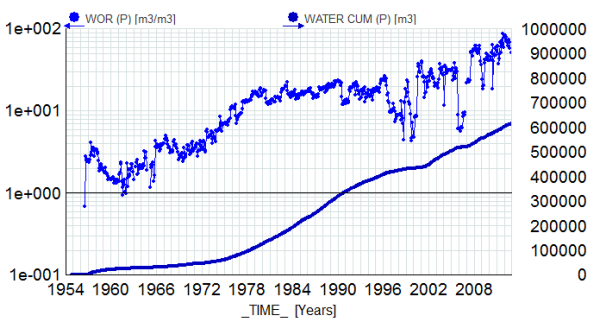
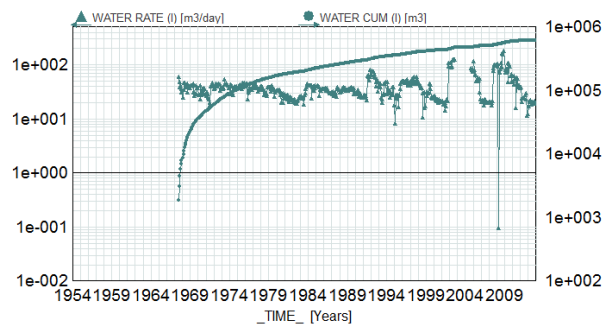
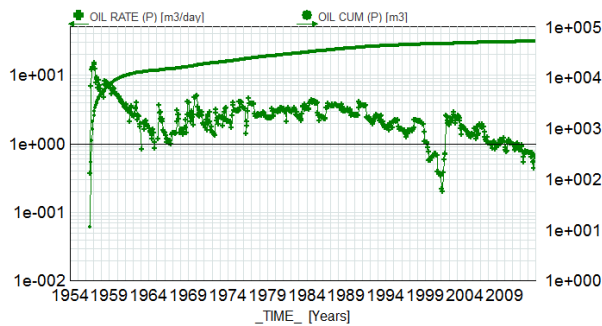


VRU #3

Pattern P-27 – 00/14-01-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	23.0	0.74	1821.3	58.75	79.27	543.0	17.52	1006	0.29	0.94
2/28/2012	20.9	0.75	1726.0	61.64	82.47	576.4	20.59	1200	0.33	0.94
3/31/2012	23.0	0.74	1839.0	59.32	79.98	663.0	21.39	1200	0.36	0.94
4/30/2012	22.5	0.75	1659.9	55.33	73.85	671.0	22.37	1200	0.40	0.94
5/31/2012	19.6	0.63	1337.6	43.15	68.27	584.0	18.84	1200	0.43	0.94
6/30/2012	22.5	0.75	0.0	0.00	0.00	612.0	20.40	1200	26.57	0.94
7/31/2012	21.8	0.70	1374.1	44.33	63.05	597.0	19.26	1200	0.43	0.94
8/31/2012	16.6	0.54	1238.9	39.97	74.49	611.0	19.71	1200	0.49	0.93
9/30/2012	13.3	0.44	909.0	30.30	68.35	578.0	19.27	1200	0.63	0.93
10/31/2012	17.1	0.55	990.5	31.95	57.76	645.0	20.81	1200	0.64	0.93
11/30/2012	19.3	0.64	0.0	0.00	0.00	635.0	21.17	1200	32.16	0.93
12/31/2012	20.4	0.66	1051.5	33.92	51.51	591.0	19.06	1200	0.55	0.93

Cumulative Oil Produced (E3m ³)	52.08
Cumulative Water Produced (E3m ³)	614.67
Cumulative Water Injected (E3m ³)	624.12
Cumulative Voidage Replacement Ratio	0.93

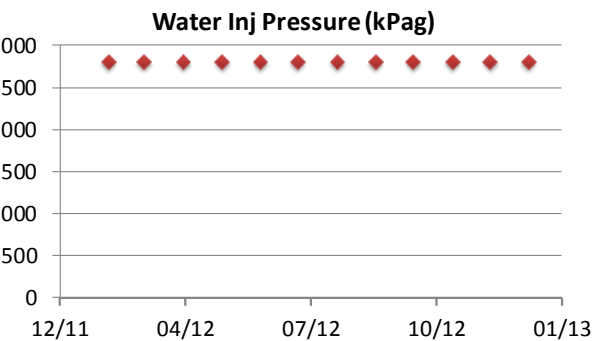
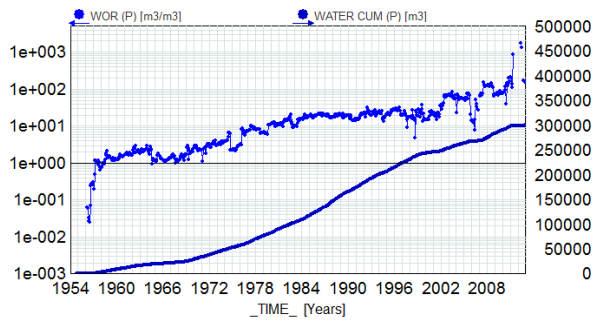
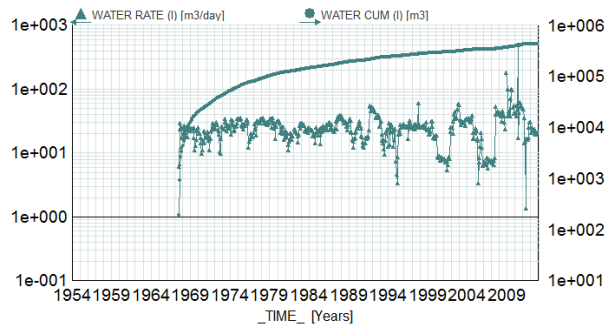
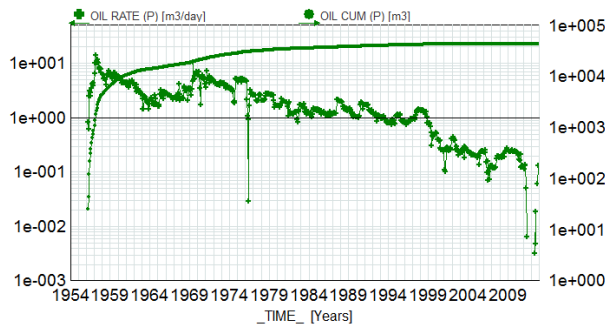


VRU #3

Pattern P-28 – 00/08-02-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	0.0	0.00	0.0	0.00		640.0	20.65	2800	#DIV/0!	1.25
2/28/2012	0.0	0.00	0.0	0.00		694.2	24.79	2800	#DIV/0!	1.25
3/31/2012	0.0	0.00	0.0	0.00		771.0	24.87	2800	#DIV/0!	1.26
4/30/2012	0.0	0.00	0.0	0.00		719.0	23.97	2800	#DIV/0!	1.26
5/31/2012	0.1	0.00	171.2	5.52	1712.00	689.0	22.23	2800	4.02	1.26
6/30/2012	0.6	0.02	0.0	0.00	0.00	711.0	23.70	2800	1261.37	1.26
7/31/2012	0.2	0.00	194.1	6.26	1294.00	631.0	20.35	2800	3.25	1.26
8/31/2012	0.0	0.00	0.0	0.00		603.0	19.45	2800	#DIV/0!	1.26
9/30/2012	0.0	0.00	0.0	0.00		587.0	19.57	2800	#DIV/0!	1.27
10/31/2012	1.8	0.06	311.0	10.03	168.28	641.0	20.68	2800	2.05	1.27
11/30/2012	3.9	0.13	0.0	0.00	0.00	634.0	21.13	2800	158.08	1.27
12/31/2012	4.1	0.13	615.8	19.86	151.55	671.0	21.65	2800	1.08	1.27

Cumulative Oil Produced (E3m ³)	43.63
Cumulative Water Produced (E3m ³)	300.56
Cumulative Water Injected (E3m ³)	437.81
Cumulative Voidage Replacement Ratio	1.27



VRU #3

Pattern P-29 – 00/06-01-010-26W1/0

Date	Monthly Oil Prod sm ³	Oil Rate (CD) sm ³ /d	Monthly Water Prod sm ³	Water Rate (CD) sm ³ /d	Water Oil Ratio m ³ /m ³	Monthly Water Inj sm ³	Water Inj Rate (CD) sm ³ /d	Water Inj Pressure kPg	Voidage Replacement Ratio	Cum Voidage Replacement Ratio
1/31/2012	56.3	1.81	4022.3	129.75	71.51	409.0	13.19	1974	0.10	0.45
2/28/2012	51.0	1.82	3811.8	136.14	74.77	500.1	17.86	1200	0.13	0.45
3/31/2012	56.1	1.81	4061.6	131.02	72.33	523.0	16.87	1200	0.13	0.45
4/30/2012	54.7	1.82	3665.8	122.19	67.02	540.0	18.00	1200	0.15	0.45
5/31/2012	51.9	1.67	3230.2	104.20	62.30	560.0	18.06	1200	0.17	0.44
6/30/2012	54.8	1.83	0.0	0.00	0.00	574.0	19.13	1200	10.22	0.45
7/31/2012	49.4	1.59	2854.7	92.09	57.79	611.0	19.71	1200	0.21	0.44
8/31/2012	52.3	1.69	3233.1	104.29	61.82	597.0	19.26	1200	0.18	0.44
9/30/2012	44.2	1.47	2474.4	82.48	55.98	481.0	16.03	1200	0.19	0.44
10/31/2012	53.1	1.71	2623.9	84.64	49.42	481.0	15.52	1200	0.18	0.44
11/30/2012	56.3	1.88	0.0	0.00	0.00	512.0	17.07	1200	8.87	0.44
12/31/2012	55.9	1.80	2590.9	83.58	46.34	541.0	17.45	1200	0.20	0.44

Cumulative Oil Produced (E3m ³)	126.75
Cumulative Water Produced (E3m ³)	1504.17
Cumulative Water Injected (E3m ³)	724.18
Cumulative Voidage Replacement Ratio	0.44

