

**Daly Unit #3**  
**2015 Annual EOR Report**

## **Executive Summary**

In 2015 oil production in the Daly Unit #3 was 99 m<sup>3</sup>/d (623 bbl/d) totaling 36.1 e<sup>3</sup>m<sup>3</sup> (227.2 mbbbl). Annual production was up 75% from 2014 to 2015. By the end of 2015 cumulative oil production from the Daly Unit #3 was 2 172 e<sup>3</sup>m<sup>3</sup> (13.7 mmbbl).

In December 2015 there were 55 producing oil wells and 17 water injectors active in the unit. In 2015, two horizontals were drilled in the Middle Daly formation and one vertical Crinoidal well was drilled. There was also an active recompletion program and cleanouts on the historical horizontal wells.

## Discussion

By 1957 the bulk of the development drilling was complete and since then little development has occurred. Water injection began 2 years after the initial production and provided pressure support immediately. Peak production occurred in 1955 at 213 m<sup>3</sup>/d (1,340 bbl/d). In 1984 producing wells began to be converted to injection wells. As a result of increased water injection, production went from ~75 m<sup>3</sup>/d in 1984 to ~95 m<sup>3</sup>/d in 1992. This is a very poor increase in production with secondary recovery, the waterflood response was muted compared to all the other units and did not appear to be successful.

Horizontal drilling has been done previously within the unit. In 1996 two wells were drilled and in 1997 three wells were drilled. These unstimulated horizontal wells produce at modest rates, but have high oil cut and added valuable incremental recoverable reserves to the unit. The low decline production profile of these wells contrasts significantly to horizontal wells produced under primary recovery indicating effective pressure maintenance. Their impact is shown below at a cumulative oil recovery of 1 700 e<sup>3</sup>m<sup>3</sup> (10.7 MMbbl). In 2014, three horizontals in the Middle Daly and a vertical Crinoidal well were drilled in the unit. In 2015, an additional two Middle Daly wells were drilled as well as a Crinoid vertical well. The wells, especially the horizontals, were successful and greatly improved unit production.

The significant operations in 2015 are as follows:

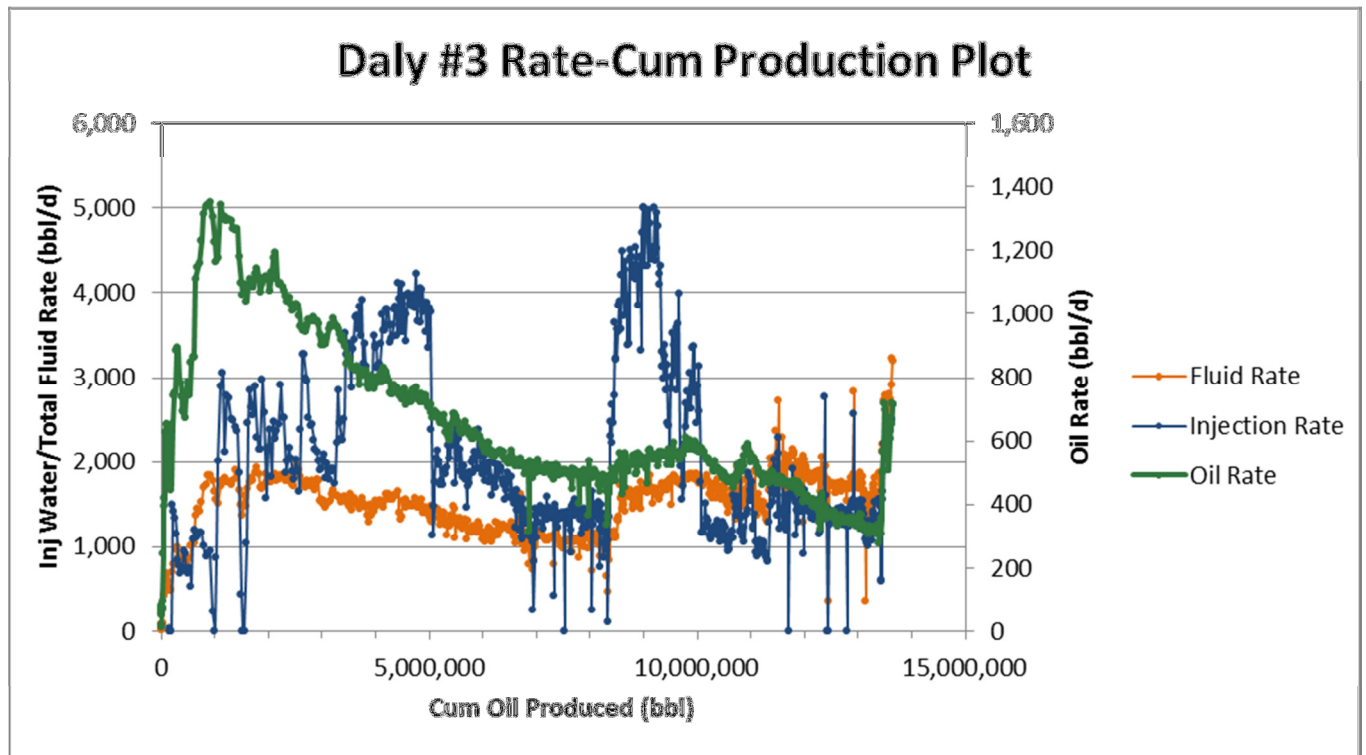
- January 2015, drill 102/05-02-010-28W1/00 vertical well targeting the Crinoidal formation.
- January 2015, drill 103/12-11-010-28W1/00 horizontal well in the Middle Daly.
- June 2015, perform a scale cleanout and acid stimulation on the 102/03-12-010-28W1/00 horizontal well.
- June 2015, perform a scale and acid workover on the 100/06-11-010-28W1/00 injection well, re-perforate the wellbore.
- July 2015, recomplete 100/13-12-010-28W1/00 in the Flossie formation.
- July 2015, recomplete 100/05-01-010-28W1/00 in the Flossie formation.
- August 2015, recomplete 100/07-24-010-28W1/00 in the Flossie formation.
- August 2015, drill 103/10-01-010-28W1/00 horizontal well in the Middle Daly.
- August 2015, perform a scale cleanout and acid stimulation on the 102/12-13-010-28W1/00 horizontal well.

- August 2015, perform a scale cleanout and acid stimulation on the 102/15-12-010-28W1/00 horizontal well.
- September 2015, recompleat 100/01-23-010-28W1/00 in the Flossie formation.
- September 2015, recompleat 100/09-02-010-28W1/00 in the Daly formation.
- November 2015, perform a scale cleanout and acid stimulation on the 102/15-02-010-28W1/00 horizontal well.

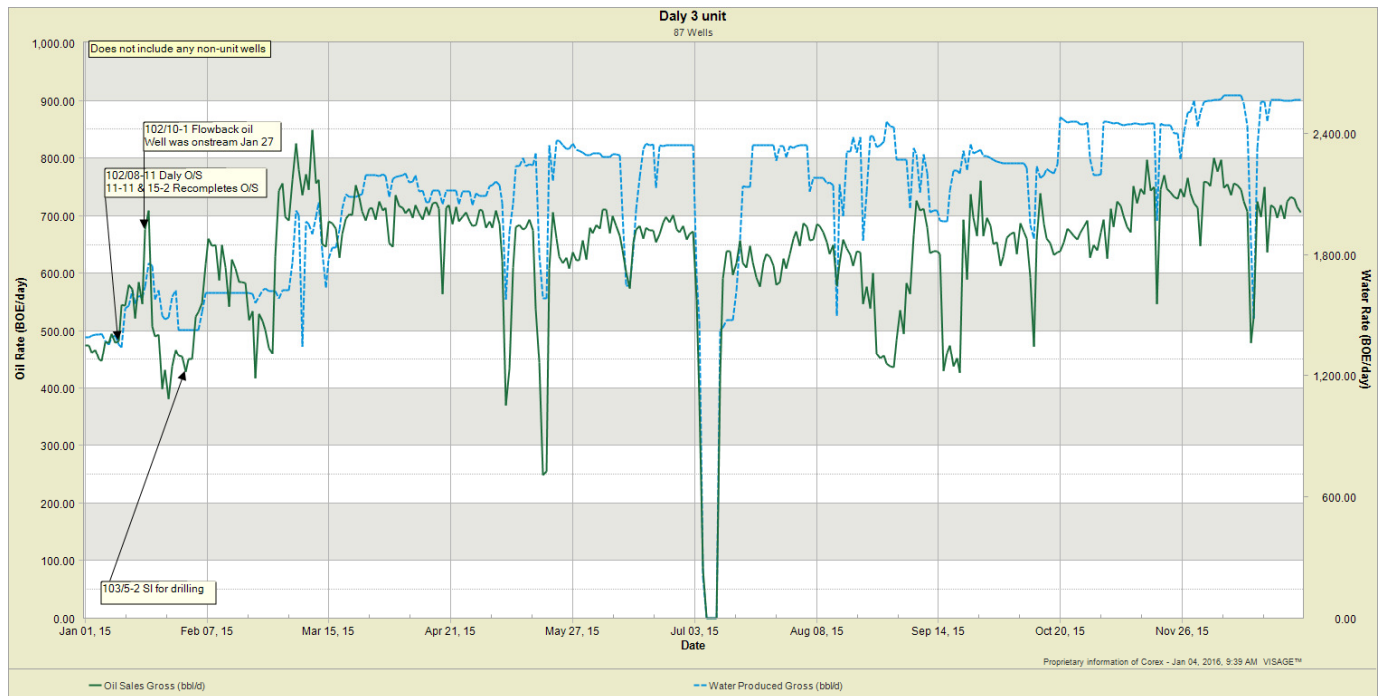
Historically, the waterflood has not been particularly effective, as the high oil cuts throughout the unit can attest. The water may have provided pressure support, but it appears as if there was very little effective sweep in the reservoir and water, in general, has not been broken through. This is apportioned to out of zone injection. With the currently high oil cuts it is easier to drill in the unit, but effective secondary recovery will need to be implemented. Furthermore, Chevron while drilling lost a well when they encountered 15 MPa in the Amaranth formation, clearly due to out of zone injection. In some of the wells the casing did not reach past the Amaranth and so injection water was placed in the zone and pressured it up. Therefore, Corex implements extra precautions when drilling in the unit, ensuring the safe drilling of wells. The unit has plenty of potential and improving the waterflood would be beneficial; however, the old verticals should not be considered for injection conversion. The unit is currently set up fully with 5-spot patterns. The water injection rate was 172 m<sup>3</sup>/d (1 084 bbl/d) in 2015 (Note: An error in geoScout production data for the month of May shows no injection in any of the wells for the entirety of the month, as such, the injection volume for the year was divided by 11 months), and the WOR was 3.6 m<sup>3</sup>/m<sup>3</sup>. The injected water is not filtered or treated. The water injection rate in the unit is quite low, some clean outs of injectors may be attempted to improve the injectivity in desired areas.

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

## Daly #3 – Rate vs Cum Oil Production



## Daly #3 – Rate vs Time



## 2015 Reservoir Pressure Surveys

Unit	UWI	License	Test Type	Date of Pressure	Duration of SI (days)	Datum BHP (kPaa)
Daly #3	100/11-01-010-28W1/00	1801	FL Shot	7/12/2015	6	3,134
Daly #3	100/13-01-010-28W1/00	191	FL Shot	7/12/2015	6	1,209
Daly #3	100/15-01-010-28W1/00	153	FL Shot	7/12/2015	6	1,874
Daly #3	102/05-02-010-28W1/00	10137	AWS BU	7/15/2015	12	961
Daly #3	103/05-02-010-28W1/00	10196	AWS BU	7/15/2015	12	2,936
Daly #3	100/08-02-010-28W1/00	316	FL Shot	7/12/2015	6	469
Daly #3	100/15-02-010-28W1/00	168	FL Shot	7/12/2015	6	1,254
Daly #3	100/09-10-010-28W1/00	324	FL Shot	7/12/2015	6	1,716
Daly #3	100/06-11-010-28W1/00	921	FO	7/12/2015	6	7,875
Daly #3	100/08-11-010-28W1/00	193	FO	7/12/2015	6	11,719
Daly #3	102/08-11-010-28W1/00	10172	AWS BU	7/15/2015	12	2,325
Daly #3	100/10-11-010-28W1/00	930	FO	7/12/2015	6	11,676
Daly #3	102/12-11-010-28W1/00	10174	AWS BU	7/15/2015	12	7,014
Daly #3	103/12-11-010-28W1/00	10269	AWS BU	7/15/2015	12	6,332
Daly #3	100/15-11-010-28W1/00	890	FL Shot	7/12/2015	6	4,540
Daly #3	100/02-12-010-28W1/00	36	FO	7/12/2015	6	12,458
Daly #3	102/03-12-010-28W1/00	4733	AWS BU	5/20/2015	23	7,038
Daly #3	100/09-12-010-28W1/00	1043	FL Shot	7/12/2015	6	3,412
Daly #3	100/13-12-010-28W1/00	815	BH BU Below BP	7/16/2015	8	2,932
Daly #3	100/04-13-010-28W1/00	576	FO	7/12/2015	6	11,107
Daly #3	100/05-13-010-28W1/00	602	FL Shot	7/12/2015	6	923
Daly #3	100/14-13-010-28W1/00	692	FL Shot	7/12/2015	6	2,497
Daly #3	100/07-24-010-28W1/00	1104	FL Shot	7/12/2015	6	2,831

In general, the pressures vary widely in the unit, although many of the producing wells have low pressures. From the limited 2015 data the average reservoir pressure is 4 700 kPaa. The initial reservoir pressure is estimated at 6 585 kPaa and the bubble point pressure as 1 515 kPaa.

There are some wells in the unit with noticeably low pressures. Oddly, historical data shows many producers surrounded by injectors have had low pressures in the 1,000 kPa range, further indicating poor sweep efficiency and out of zone injection. This observation is supported by the data collected in 2015, where some very low pressures were seen in the producing wells. For a unit that has been under water flood for 56 years, clearly the water is not in zone to provide pressure support. The large periods where, historically, they over injected likely contributed to the out of zone injection. Despite many producers near to injectors with low pressures there are also wells far away from injection that have been seen to have high pressures that cannot be easily rationalized. The huge range in pressures in wells close to injectors and producers with high oil cuts indicate that there is poor communication between many of the injectors and the producers and that the waterflood cannot be taken to be successful.

Considering this, the unit has plenty of opportunity if a successful waterflood is implemented, as seen in the other units.

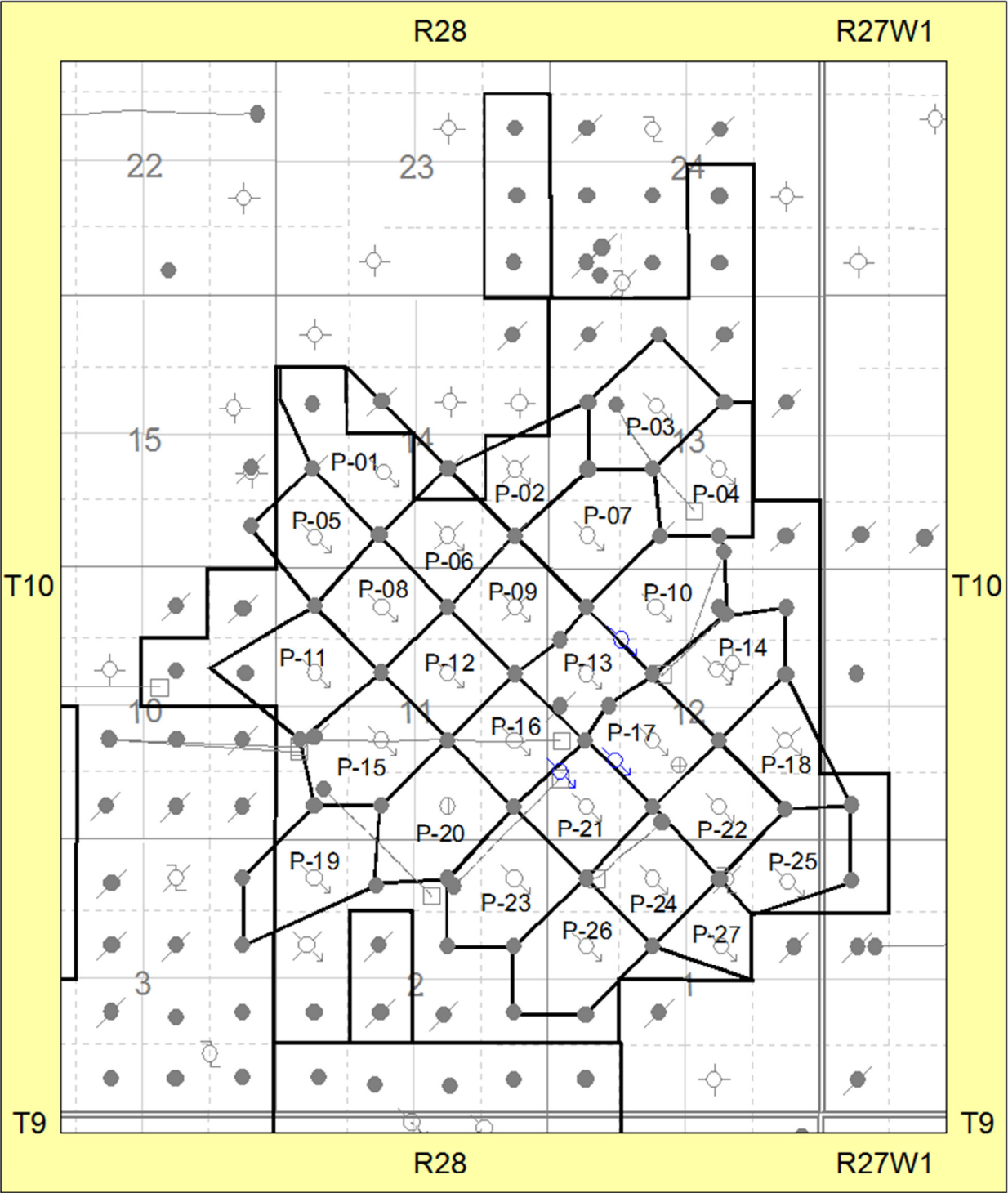
The VRR in 2015 was started at 0.39 and rose to 0.46 at year end; with more water production from new drills. The cumulative VRR at year end was 1.27 (Note: Due to the error in geoScout data for the month of May the actual Cum VRR may differ slightly). It is encouraging that the over injection is being reduced. 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.

## 2015 Well Servicing

UWI	Licence	Unit	Operation	Date	Objective
100/01-23-010-28W1/00	001346	DU#3	Recompletion	01-SEP-15	
100/01-23-010-28W1/00	001346	DU#3	In Line Inspection	22-JUL-15	
100/05-01-010-28W1/00	000454	DU#3	Recompletion	02-MAR-15	
100/06-11-010-28W1/00	000921	DU#3	Other Stimulation	22-JUN-15	
100/07-24-010-28W1/00	001104	DU#3	Other Stimulation	25-AUG-15	
100/08-23-010-28W1/00	001337	DU#3	Pump Repair	05-MAY-15	
100/09-02-010-28W1/00	000270	DU#3	Other Stimulation	08-SEP-15	
100/09-10-010-28W1/00	000324	DU#3	Pump Repair	31-AUG-15	
100/09-23-010-28W1/00	001662	DU#3	Cathodic	15-OCT-15	
100/11-11-010-28W1/00	000876	DU#3	Upsize Pump	11-JUN-15	
100/13-02-010-28W1/00	000216	DU#3	Wellhead Repair	04-FEB-15	
100/13-12-010-28W1/00	000815	DU#3	Recompletion	06-JUL-15	
102/03-12-010-28W1/00	004733	DU#3	Acid Treatment	16-JUN-15	
102/05-02-010-28W1/00	10137	DU#3	Equip & Tie-In	09-FEB-15	
102/05-02-010-28W1/00	10137	DU#3	Initial Completion	30-JAN-15	CHRINOIDAL COMPLETION
102/05-02-010-28W1/00	10137	DU#3	Drilling - original	23-JAN-15	
102/10-01-010-28W1/00	10173	DU#3	Equip & Tie-In	26-JAN-15	
102/10-01-010-28W1/00	10173	DU#3	Initial Completion	13-JAN-15	DALY COMPLETION
102/12-13-010-28W1/00	004764	DU#3	Clean-out	12-AUG-15	
102/15-02-010-28W1/00	004613	DU#3	Clean-out	20-NOV-15	
102/15-12-010-28W1/00	4735	DU#3	Clean-out	18-AUG-15	
103/05-02-010-28W1/00	10196	DU#3	Pump Repair	16-OCT-15	
103/10-01-010-28W1/00	10422	DU#3	Equip & Tie-In	05-OCT-15	
103/10-01-010-28W1/00	10422	DU#3	Initial Completion	11-SEP-15	DALY COMPLETION
103/10-01-010-28W1/00	10422	DU#3	Construction	13-AUG-15	
103/10-01-010-28W1/00	10422	DU#3	Drilling - original	27-AUG-15	
103/12-11-010-28W1/00	10269	DU#3	Equip & Tie-In	03-MAR-15	
103/12-11-010-28W1/00	10269	DU#3	Initial Completion	20-FEB-15	DALY COMPLETION
103/12-11-010-28W1/00	10269	DU#3	Construction	17-JAN-15	
103/12-11-010-28W1/00	10269	DU#3	Drilling - original	27-JAN-15	
PIPELINE REPLACEMENT	P15DAL001	DU#3	Pipelines	22-JUL-15	
SATELLITE INSTALLATION	F15DAL025	DU#3	Satellite	17-NOV-15	
TANK INSTALL	F15-DAL-04	DU#3	Battery Upgrade	17-FEB-15	
TURNAROUND	T15-DAL-01	DU#3	Turnaround	01-JUL-15	



# Waterflood Pattern Map

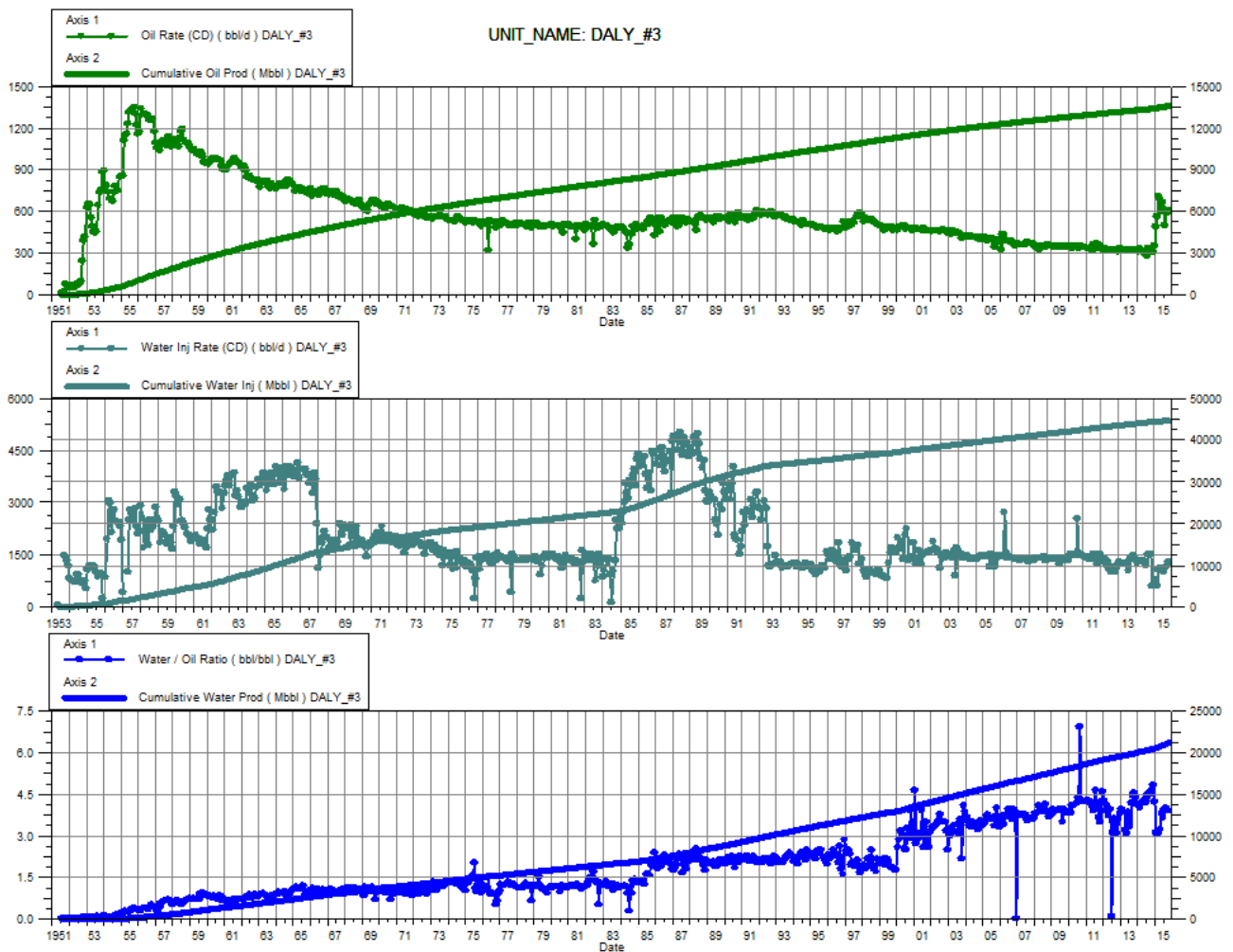


## Waterflood Pattern Table

Pattern	Well
P-01	100/06-14-010-28W1/00
P-02	100/08-14-010-28W1/00
P-03	100/11-13-010-28W1/00
P-04	100/07-13-010-28W1/00
P-05	100/04-14-010-28W1/00
P-06	100/02-14-010-28W1/00
P-07	100/04-13-010-28W1/00
P-08	100/14-11-010-28W1/00
P-09	100/16-11-010-28W1/00
P-10	100/14-12-010-28W1/00
P-10	1B0/14-12-010-28W1/00
P-11	100/12-11-010-28W1/00
P-12	100/10-11-010-28W1/00
P-13	100/12-12-010-28W1/00
P-14	100/10-12-010-28W1/00
P-15	100/06-11-010-28W1/00
P-16	100/08-11-010-28W1/00
P-17	100/06-12-010-28W1/00
P-17	1A0/05-12-010-28W1/00
P-18	100/08-12-010-28W1/00
P-19	100/13-02-010-28W1/00
P-20	100/02-11-010-28W1/00
P-21	100/04-12-010-28W1/00
P-21	1B0/05-12-010-28W1/00
P-22	100/02-12-010-28W1/00
P-23	100/16-02-010-28W1/00
P-24	100/14-01-010-28W1/00
P-25	100/16-01-010-28W1/00
P-26	100/12-01-010-28W1/00

## Total for Daly Unit #3

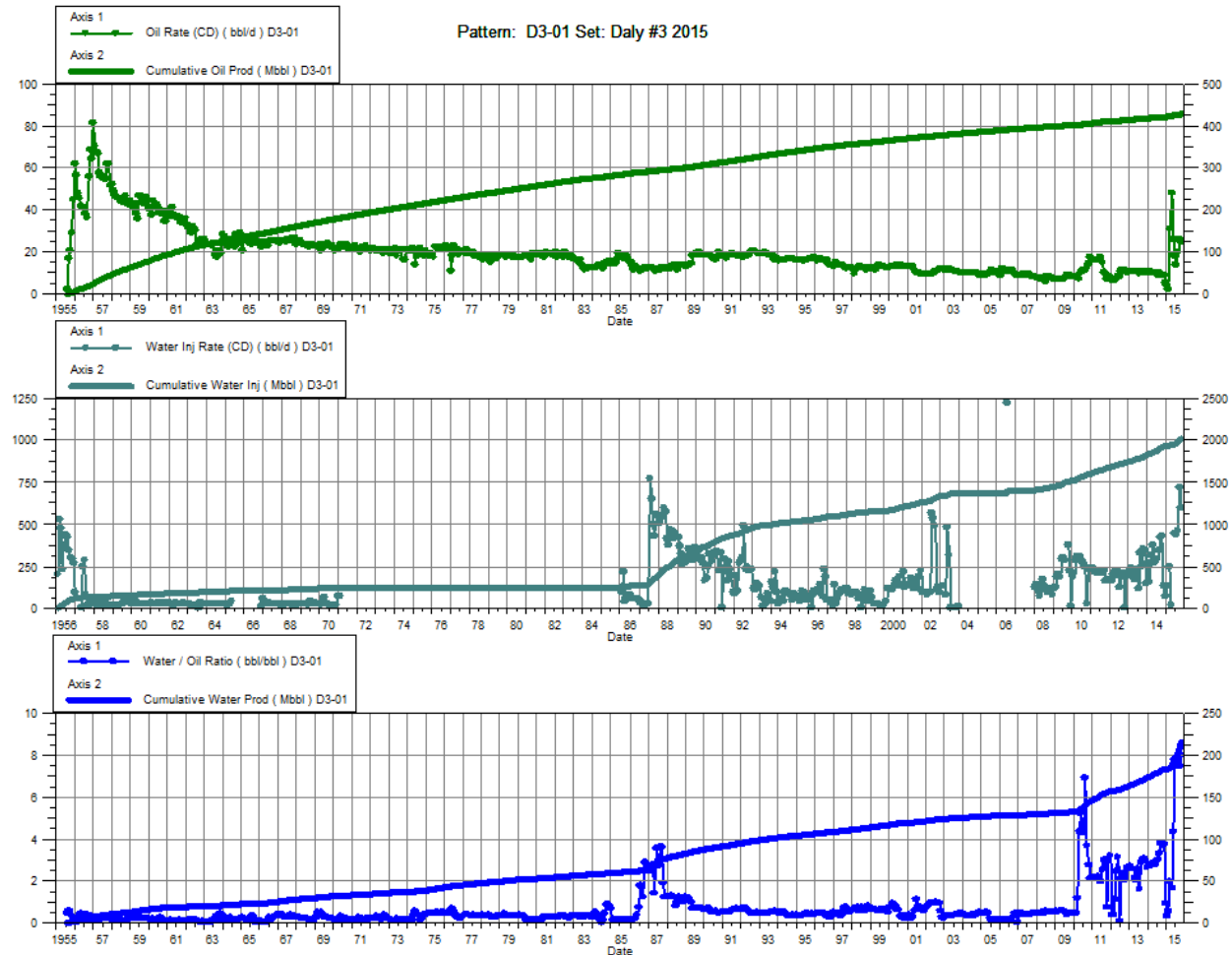
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	77.73	2137.16	242.28	3269.45	124.00	7064.92	3.12	0.39	1.30	5,314
2/28/2015	90.44	2139.69	279.02	3277.27	95.70	7067.60	3.09	0.26	1.30	5,314
3/31/2015	113.82	2143.22	350.59	3288.13	173.88	7072.99	3.08	0.37	1.29	5,325
4/30/2015	109.76	2146.51	354.24	3298.76	175.15	7078.25	3.23	0.38	1.29	5,656
5/31/2015	95.29	2149.47	363.63	3310.03		7078.25	3.82		1.29	5,728
6/30/2015	105.22	2152.62	380.62	3321.45	166.76	7083.25	3.62	0.34	1.28	5,490
7/31/2015	79.32	2155.08	313.32	3331.17	162.40	7088.28	3.95	0.41	1.28	5,482
8/31/2015	93.94	2157.99	376.55	3342.84	183.09	7093.96	4.01	0.39	1.28	5,506
9/30/2015	94.53	2160.83	368.52	3353.89	191.07	7099.69	3.90	0.41	1.28	5,432
10/31/2015	97.22	2163.84	380.60	3365.69	206.71	7106.10	3.91	0.43	1.28	5,639
11/30/2015	91.75	2166.60	403.98	3377.81	186.07	7111.68	4.40	0.37	1.27	5,639
12/31/2015	88.60	2169.34	404.08	3390.34	227.62	7118.74	4.56	0.46	1.27	5,639



## Daly Unit No. 3

### Pattern P-01 - 00/06-14-010-28W1/00

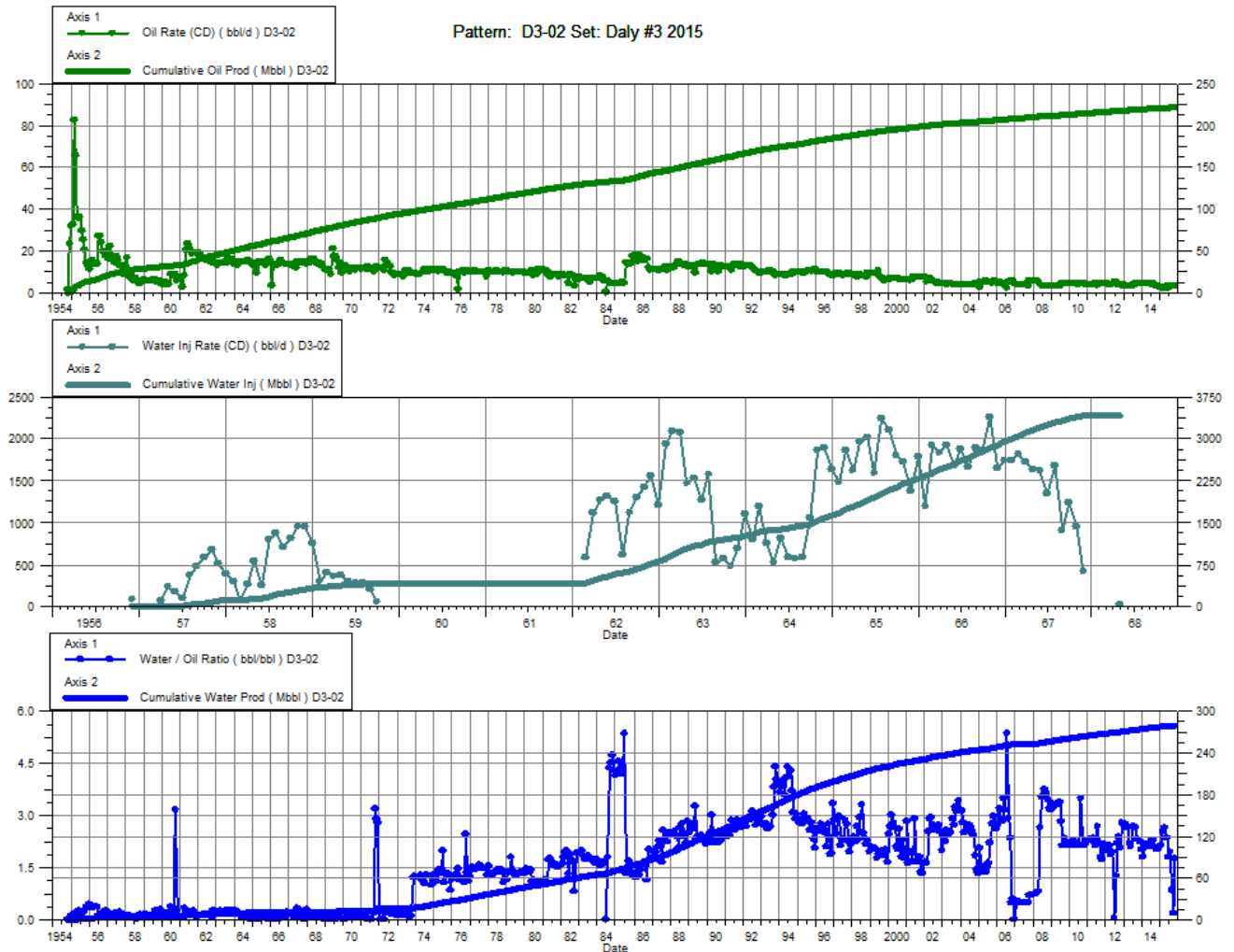
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacment Ratio	Water Inj Pressure kPa
1/31/2015	0.67	67.08	0.19	29.16	21.47	307.14	0.28	24.63	3.15	--
2/28/2015	0.38	67.09	0.21	29.16		307.14	0.55		3.15	--
3/31/2015	4.92	67.24	9.68	29.46	39.34	308.36	1.97	2.68	3.15	--
4/30/2015	7.63	67.47	12.55	29.84	2.45	308.43	1.64	0.12	3.13	--
5/31/2015	4.19	67.60	18.07	30.40		308.43	4.32		3.11	--
6/30/2015	2.84	67.69	22.07	31.06	71.07	310.56	7.77	2.85	3.10	--
7/31/2015	2.20	67.76	17.05	31.59	69.65	312.72	7.77	3.61	3.11	--
8/31/2015	3.20	67.85	24.67	32.35	73.19	314.99	7.70	2.62	3.10	--
9/30/2015	4.12	67.98	30.63	33.27	114.38	318.42	7.43	3.28	3.11	--
10/31/2015	3.91	68.10	31.39	34.25	94.61	321.35	8.03	2.67	3.10	--
11/30/2015	3.23	68.20	30.96	35.17	84.01	323.87	9.57	2.45	3.09	--
12/31/2015	3.37	68.30	31.75	36.16	112.47	327.36	9.41	3.20	3.10	--



## Daly Unit No. 3

### Pattern P-02 - 00/08-14-010-28W1/00

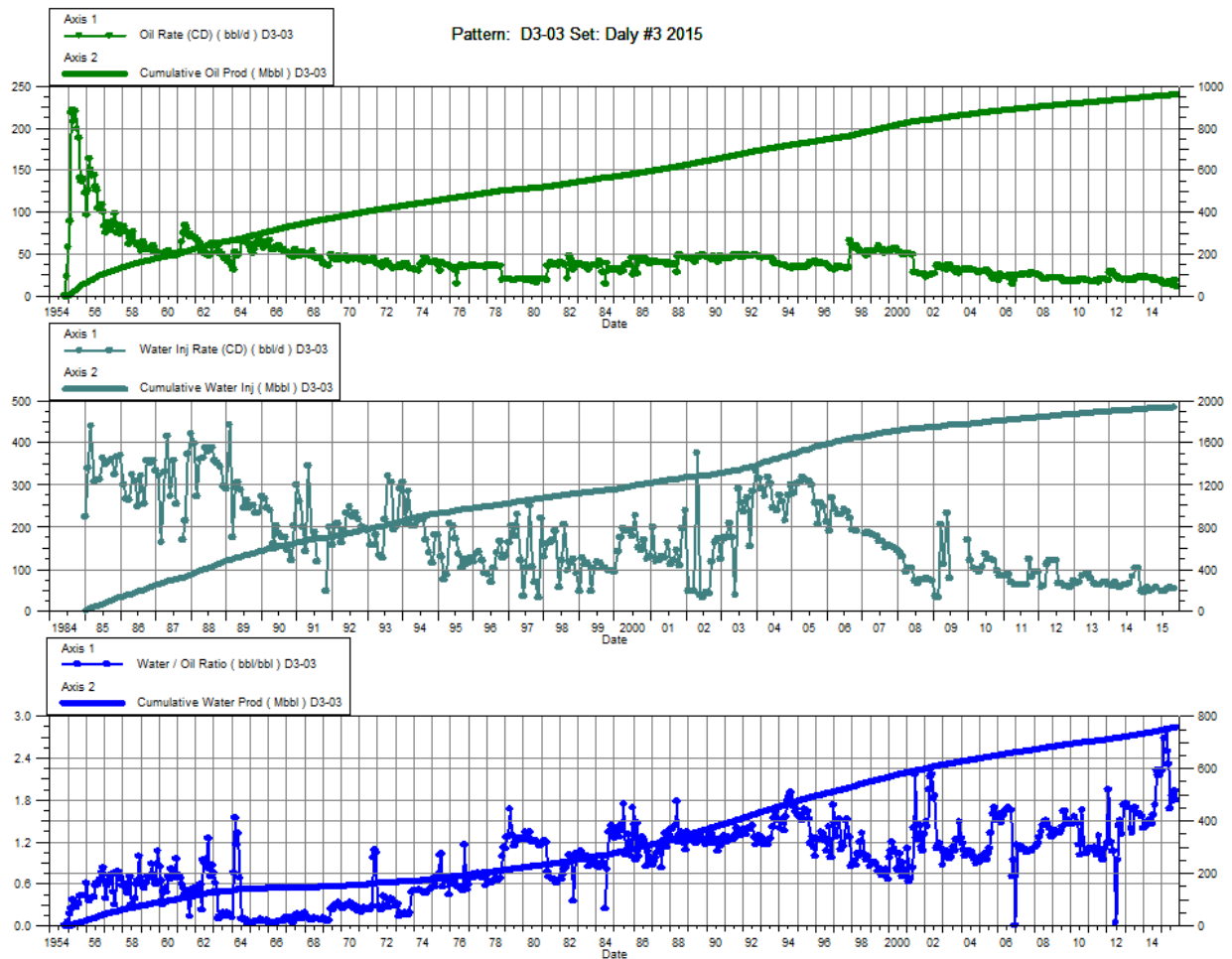
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacment Ratio	Water Inj Pressure kPa
1/31/2015	0.44	35.16	0.93	44.15		542.96	2.11		6.79	--
2/28/2015	0.40	35.17	1.02	44.18		542.96	2.53		6.78	--
3/31/2015	0.40	35.19	1.05	44.21		542.96	2.63		6.78	--
4/30/2015	0.41	35.20	0.96	44.24		542.96	2.33		6.78	--
5/31/2015	0.39	35.21	0.91	44.27		542.96	2.34		6.77	--
6/30/2015	0.55	35.23	0.99	44.30		542.96	1.79		6.77	--
7/31/2015	0.46	35.24	0.89	44.33		542.96	1.94		6.77	--
8/31/2015	0.45	35.26	0.38	44.34		542.96	0.86		6.76	--
9/30/2015	0.60	35.27	0.11	44.34		542.96	0.18		6.76	--
10/31/2015	0.58	35.29	1.03	44.37		542.96	1.78		6.76	--
11/30/2015	0.46	35.31	1.03	44.41		542.96	2.26		6.75	--
12/31/2015	0.48	35.32	1.05	44.44		542.96	2.19		6.75	--



## Daly Unit No. 3

### Pattern P-03 - 00/11-13-010-28W1/00

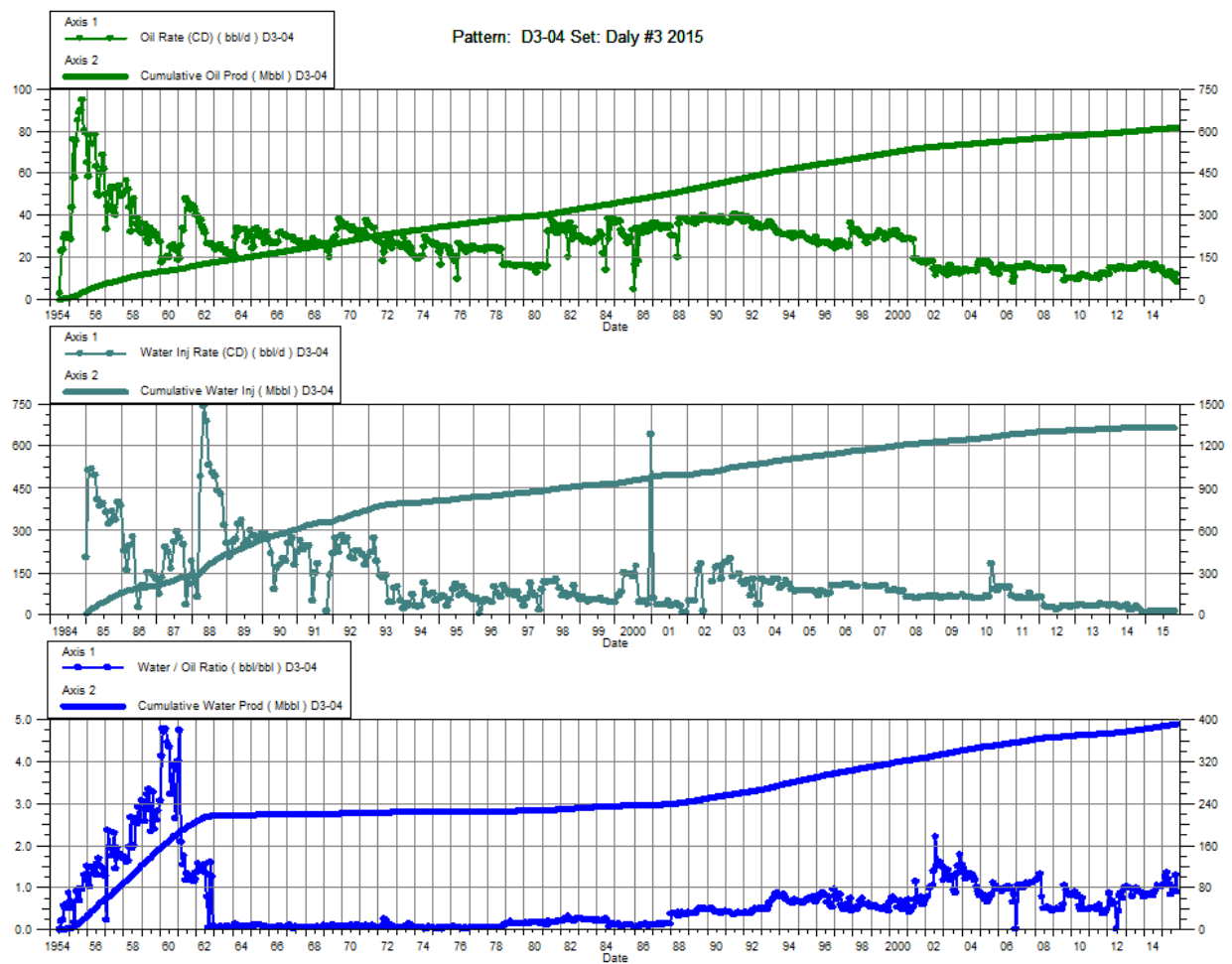
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	2.65	152.21	5.90	119.04	9.00	306.58	2.23	1.05	1.12	6,400
2/28/2015	2.42	152.28	6.46	119.22	7.49	306.79	2.67	0.84	1.12	6,400
3/31/2015	2.39	152.35	6.64	119.42	8.11	307.04	2.78	0.89	1.12	6,397
4/30/2015	2.44	152.43	6.09	119.61	9.08	307.31	2.50	1.06	1.12	6,297
5/31/2015	2.49	152.50	5.77	119.79		307.31	2.32		1.12	6,203
6/30/2015	2.82	152.59	4.71	119.93	7.62	307.54	1.67	1.01	1.12	6,300
7/31/2015	2.17	152.66	4.02	120.05	7.48	307.77	1.85	1.20	1.12	6,300
8/31/2015	2.20	152.72	3.93	120.17	8.47	308.04	1.78	1.37	1.12	6,300
9/30/2015	3.01	152.81	5.82	120.35	8.76	308.30	1.93	0.99	1.12	6,297
10/31/2015	1.88	152.87	3.38	120.45	8.43	308.56	1.80	1.59	1.12	6,200
11/30/2015	1.76	152.93	3.50	120.56	7.91	308.80	1.98	1.50	1.12	6,200
12/31/2015	2.48	153.00	4.27	120.69	9.06	309.08	1.72	1.33	1.12	6,200



## Daly Unit No. 3

### Pattern P-04 - 00/07-13-010-28W1/00

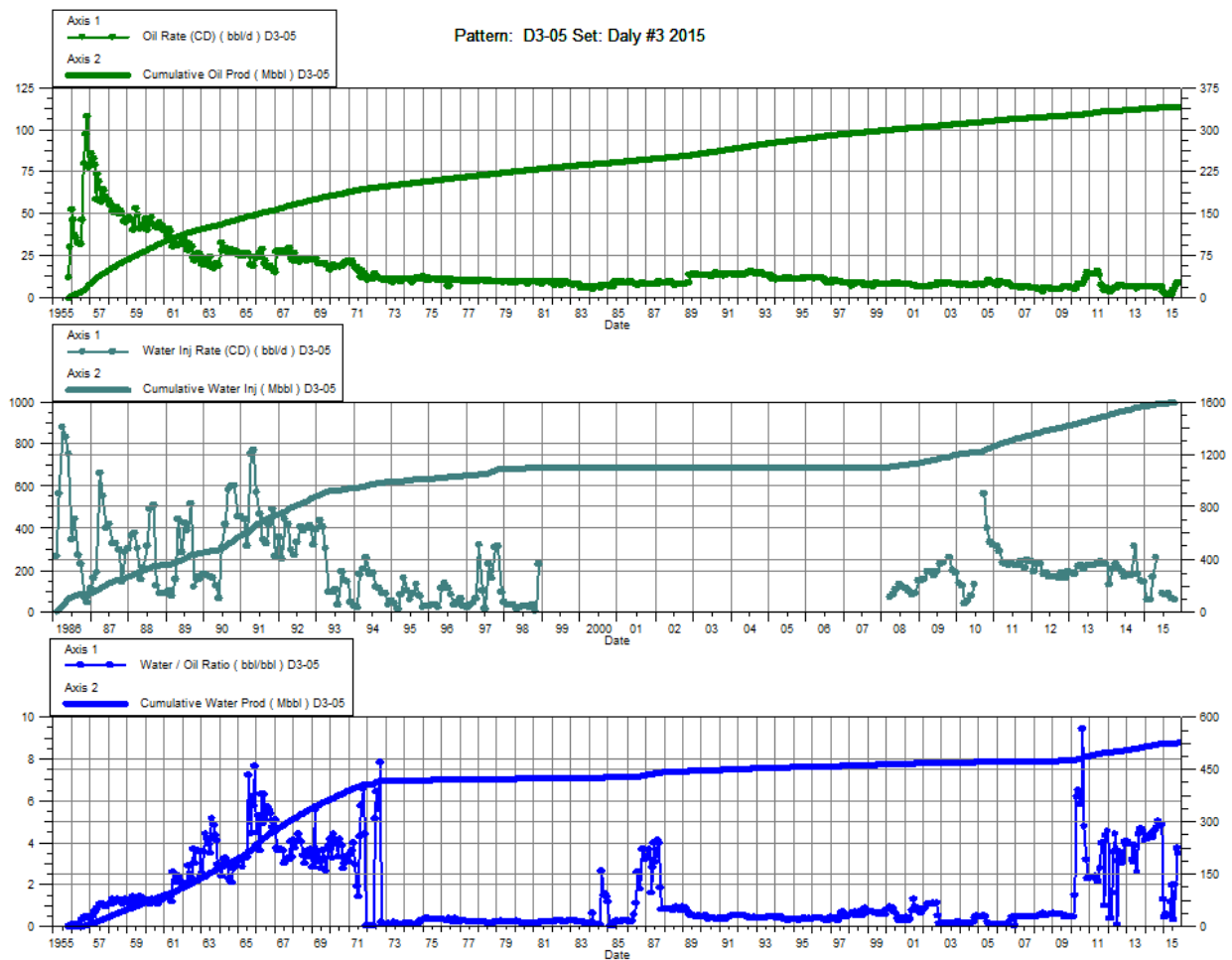
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	2.08	96.85	2.19	61.68	1.34	211.82	1.05	0.31	1.32	5,300
2/28/2015	1.90	96.91	2.40	61.74	1.52	211.86	1.26	0.35	1.32	5,300
3/31/2015	1.79	96.96	2.42	61.82	1.54	211.91	1.35	0.36	1.32	5,329
4/30/2015	1.90	97.02	2.25	61.89	1.56	211.95	1.18	0.37	1.32	6,207
5/31/2015	1.98	97.08	2.15	61.95		211.95	1.08		1.32	6,394
6/30/2015	2.12	97.14	1.76	62.01	1.51	212.00	0.83	0.39	1.32	6,200
7/31/2015	1.58	97.19	1.50	62.05	1.50	212.05	0.95	0.48	1.32	6,200
8/31/2015	1.69	97.24	1.68	62.10	1.96	212.11	0.99	0.58	1.32	6,200
9/30/2015	1.89	97.30	2.40	62.18	2.08	212.17	1.27	0.48	1.32	6,203
10/31/2015	1.37	97.34	1.21	62.21	2.06	212.23	0.88	0.79	1.32	6,300
11/30/2015	1.37	97.38	1.32	62.25	2.16	212.30	0.96	0.80	1.31	6,300
12/31/2015	1.54	97.43	1.54	62.30	2.20	212.37	1.00	0.71	1.31	6,300



## Daly Unit No. 3

### Pattern P-05 - 00/04-14-010-28W1/00

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacment Ratio	Water Inj Pressure kPa
1/31/2015	0.41	54.06	0.19	83.33	9.22	249.77	0.46	15.18	1.80	3,400
2/28/2015	0.38	54.07	0.21	83.33	9.44	250.03	0.55	16.04	1.81	3,400
3/31/2015	0.37	54.08	0.21	83.34	26.22	250.84	0.57	44.49	1.81	3,458
4/30/2015	0.35	54.09	0.17	83.34	41.30	252.08	0.50	78.17	1.82	5,233
5/31/2015	0.28	54.10	0.33	83.35		252.08	1.15		1.82	6,194
6/30/2015	0.31	54.11	0.60	83.37	13.77	252.50	1.94	15.15	1.82	6,000
7/31/2015	0.67	54.13	0.22	83.38	13.08	252.90	0.33	14.52	1.83	6,000
8/31/2015	0.90	54.16	1.75	83.43	14.46	253.35	1.93	5.42	1.83	6,000
9/30/2015	1.28	54.20	4.77	83.58	10.19	253.66	3.74	1.68	1.83	6,007
10/31/2015	1.39	54.24	4.85	83.73	9.27	253.94	3.48	1.48	1.83	6,200
11/30/2015	1.28	54.28	4.57	83.86	9.03	254.21	3.56	1.54	1.83	6,200
12/31/2015	1.33	54.32	4.53	84.00	10.00	254.52	3.40	1.70	1.83	6,200

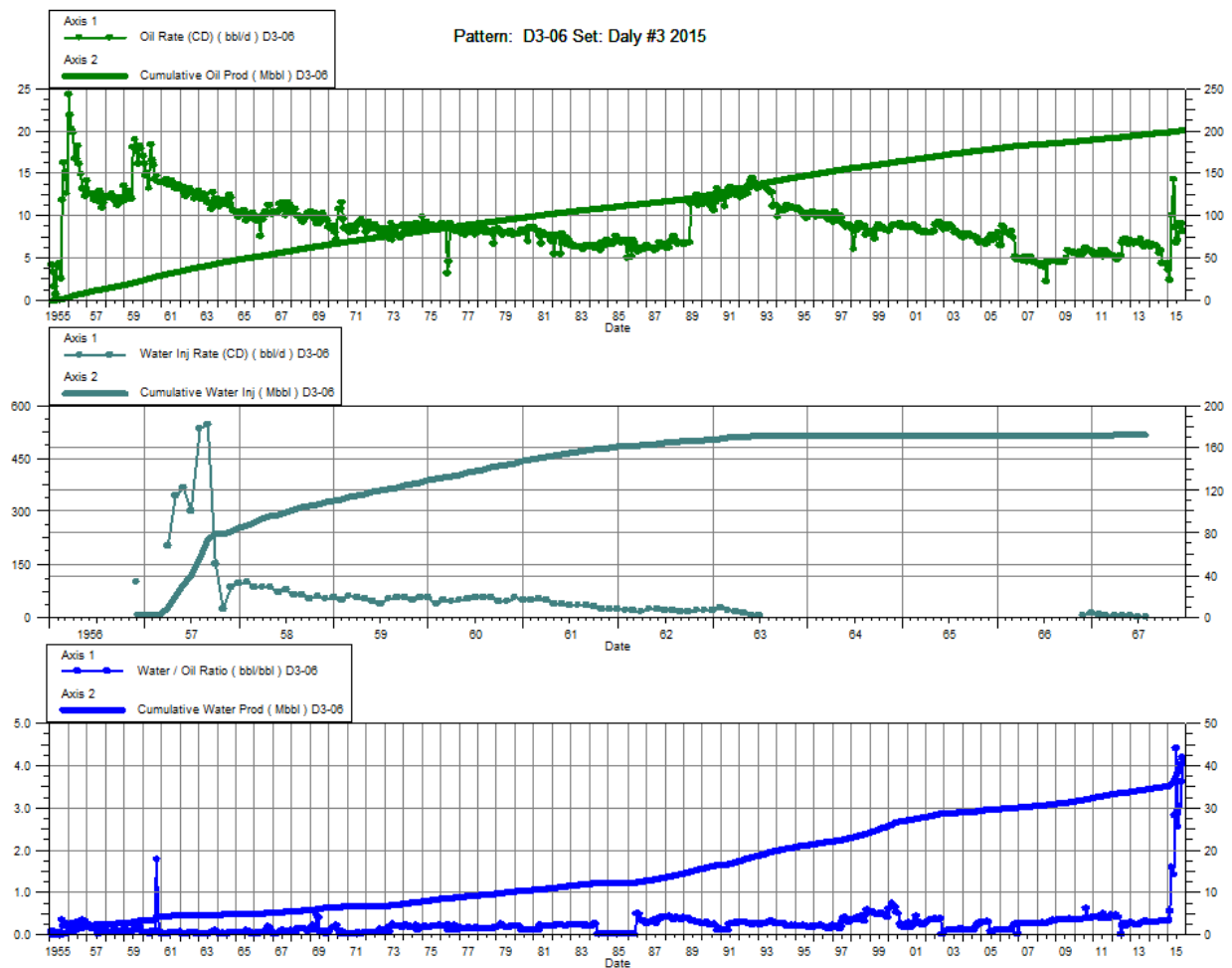




## Daly Unit No. 3

### Pattern P-06 - 00/02-14-010-28W1/00

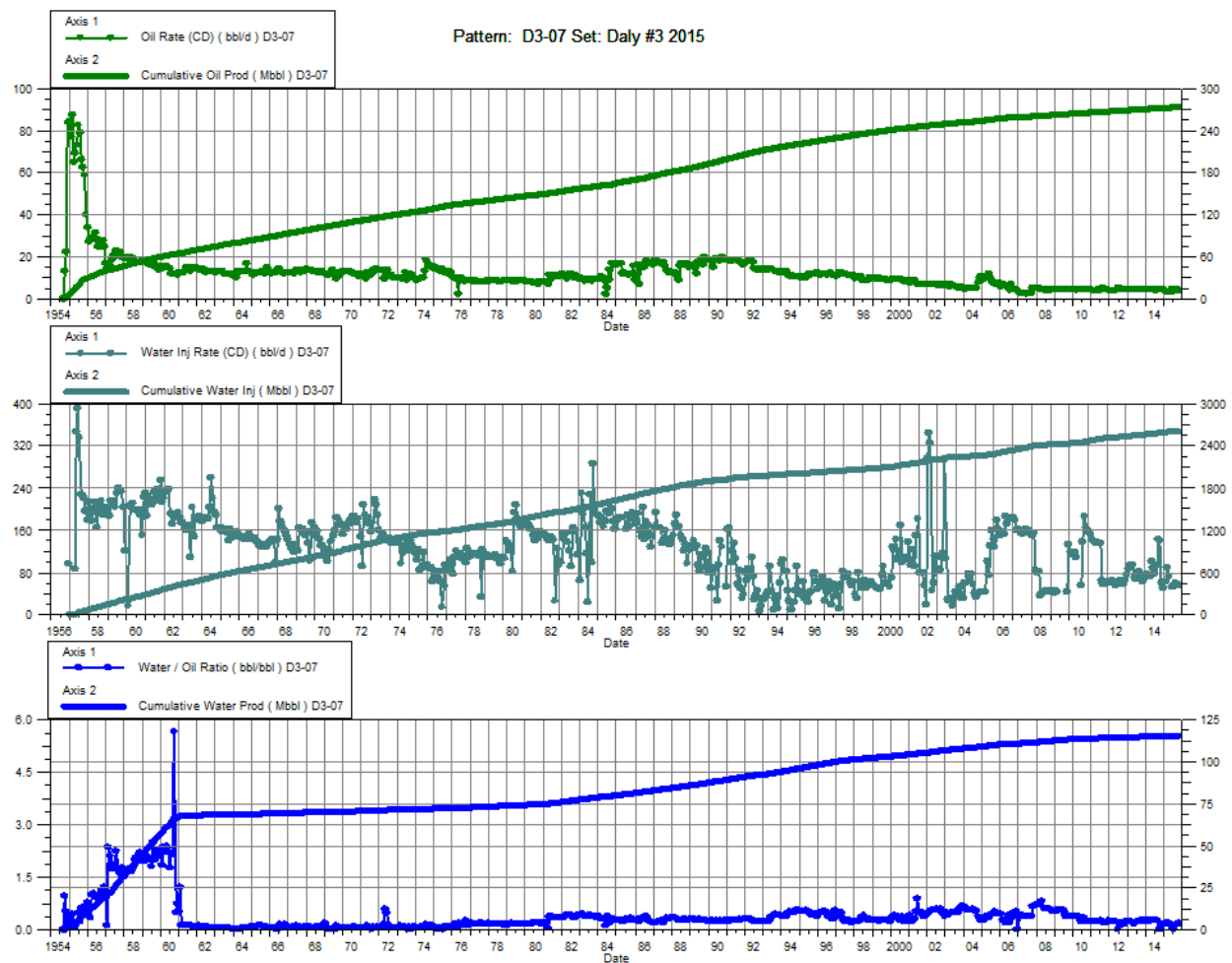
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	0.58	31.58	0.19	5.58		27.41	0.33		0.73	--
2/28/2015	0.38	31.59	0.21	5.59		27.41	0.55		0.73	--
3/31/2015	1.60	31.64	2.55	5.67		27.41	1.59		0.72	--
4/30/2015	2.27	31.71	3.19	5.76		27.41	1.40		0.72	--
5/31/2015	1.38	31.75	3.87	5.88		27.41	2.81		0.72	--
6/30/2015	1.08	31.79	4.76	6.03		27.41	4.41		0.71	--
7/31/2015	1.14	31.82	2.90	6.12		27.41	2.53		0.71	--
8/31/2015	1.44	31.87	4.34	6.25		27.41	3.02		0.71	--
9/30/2015	1.46	31.91	5.25	6.41		27.41	3.60		0.70	--
10/31/2015	1.29	31.95	5.43	6.58		27.41	4.19		0.70	--
11/30/2015	1.10	31.98	5.40	6.74		27.41	4.93		0.70	--
12/31/2015	1.15	32.02	5.59	6.91		27.41	4.86		0.69	--



## Daly Unit No. 3

### Pattern P-07 - 00/04-13-010-28W1/00

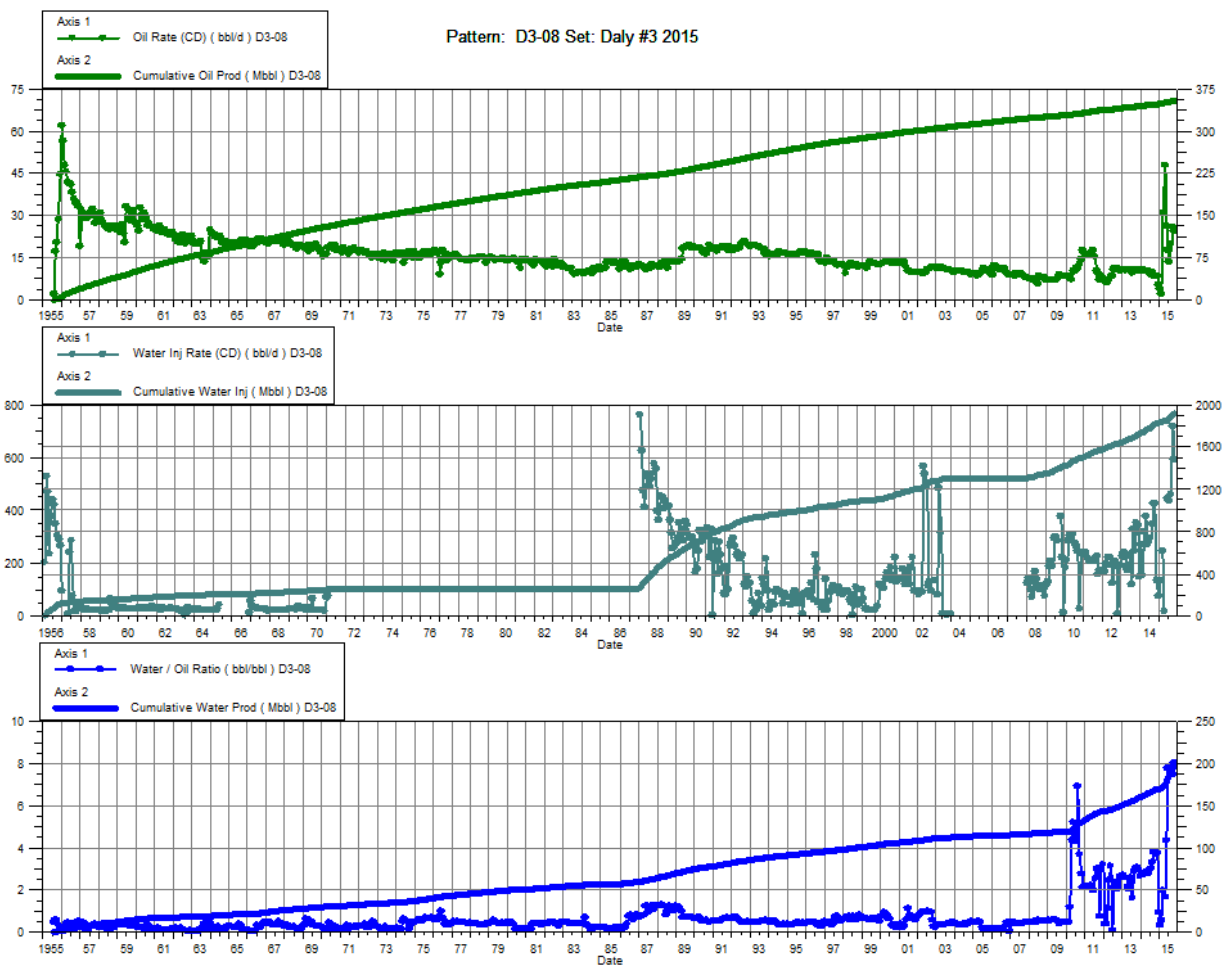
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacment Ratio	Water Inj Pressure kPa
1/31/2015	0.62	43.39	0.09	18.34	9.97	412.68	0.15	13.72	6.60	4,200
2/28/2015	0.57	43.40	0.10	18.35	9.75	412.95	0.17	14.37	6.60	4,200
3/31/2015	0.56	43.42	0.10	18.35	13.96	413.39	0.18	20.70	6.60	4,258
4/30/2015	0.56	43.44	0.09	18.35	11.23	413.72	0.17	16.99	6.61	6,007
5/31/2015	0.58	43.46	0.09	18.35		413.72	0.15		6.60	6,200
6/30/2015	0.72	43.48	0.06	18.36	8.17	413.97	0.08	10.27	6.61	6,203
7/31/2015	0.52	43.49	0.01	18.36	8.34	414.23	0.02	15.53	6.61	6,303
8/31/2015	0.64	43.51	0.07	18.36	9.31	414.52	0.11	12.82	6.61	6,400
9/30/2015	0.74	43.54	0.11	18.36	9.12	414.79	0.15	10.51	6.61	6,400
10/31/2015	0.70	43.56	0.14	18.37	8.62	415.06	0.19	10.18	6.61	6,400
11/30/2015	0.57	43.57	0.13	18.37	17.84	415.59	0.24	25.07	6.62	6,400
12/31/2015	0.59	43.59	0.14	18.37	9.15	415.88	0.23	12.39	6.62	6,400



## Daly Unit No. 3

### Pattern P-08 - 00/14-11-010-28W1/00

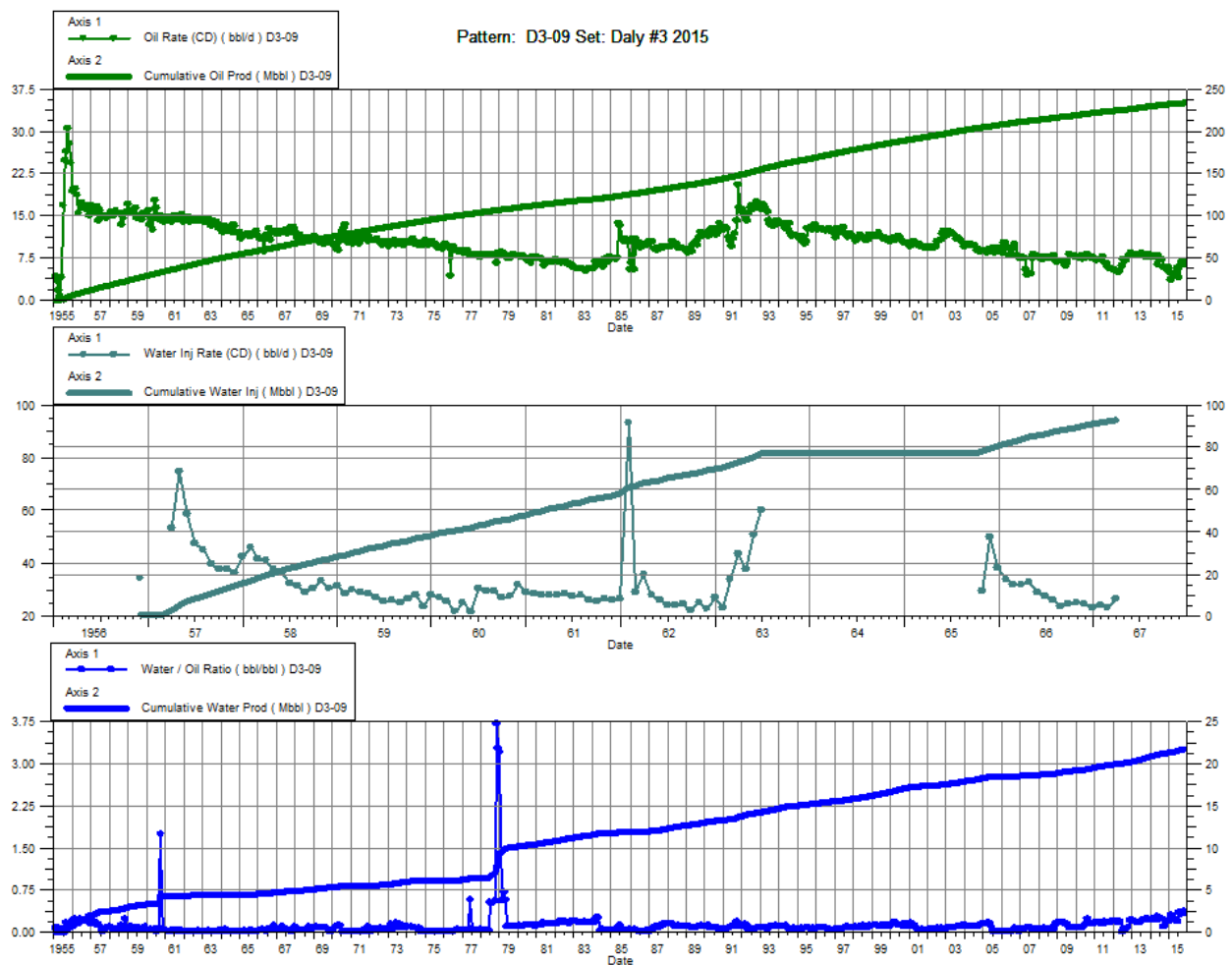
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	0.67	55.44	0.19	27.08	21.47	291.77	0.28	24.63	3.49	4,600
2/28/2015	0.38	55.45	0.21	27.08		291.77	0.55		3.49	4,600
3/31/2015	4.92	55.60	9.68	27.38	39.34	292.99	1.97	2.68	3.49	4,581
4/30/2015	7.63	55.83	12.55	27.76	2.45	293.06	1.64	0.12	3.46	4,000
5/31/2015	4.19	55.96	18.07	28.32		293.06	4.32		3.43	4,039
6/30/2015	2.84	56.05	22.07	28.98	71.07	295.20	7.77	2.85	3.43	5,203
7/31/2015	2.20	56.12	17.05	29.51	69.65	297.36	7.77	3.61	3.43	5,316
8/31/2015	3.20	56.22	24.67	30.28	73.19	299.63	7.70	2.62	3.42	5,800
9/30/2015	4.12	56.34	30.63	31.20	114.38	303.06	7.43	3.28	3.42	5,767
10/31/2015	3.91	56.46	31.39	32.17	94.61	305.99	8.03	2.67	3.41	4,800
11/30/2015	3.23	56.56	30.96	33.10	84.01	308.51	9.57	2.45	3.40	4,800
12/31/2015	3.37	56.66	31.75	34.08	112.47	312.00	9.41	3.20	3.40	4,800



## Daly Unit No. 3

### Pattern P-09 - 00/16-11-010-28W1/00

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	0.79	36.96	0.16	3.40		14.84	0.20		0.36	--
2/28/2015	0.57	36.98	0.17	3.40		14.84	0.30		0.36	--
3/31/2015	0.72	37.00	0.18	3.41		14.84	0.25		0.36	--
4/30/2015	0.76	37.02	0.16	3.41		14.84	0.22		0.36	--
5/31/2015	0.77	37.05	0.16	3.42		14.84	0.20		0.36	--
6/30/2015	0.90	37.07	0.16	3.42		14.84	0.18		0.36	--
7/31/2015	0.64	37.09	0.22	3.43		14.84	0.35		0.36	--
8/31/2015	1.02	37.13	0.31	3.44		14.84	0.30		0.36	--
9/30/2015	1.10	37.16	0.35	3.45		14.84	0.32		0.36	--
10/31/2015	1.00	37.19	0.37	3.46		14.84	0.37		0.36	--
11/30/2015	0.94	37.22	0.37	3.47		14.84	0.40		0.36	--
12/31/2015	0.95	37.25	0.38	3.48		14.84	0.40		0.36	--

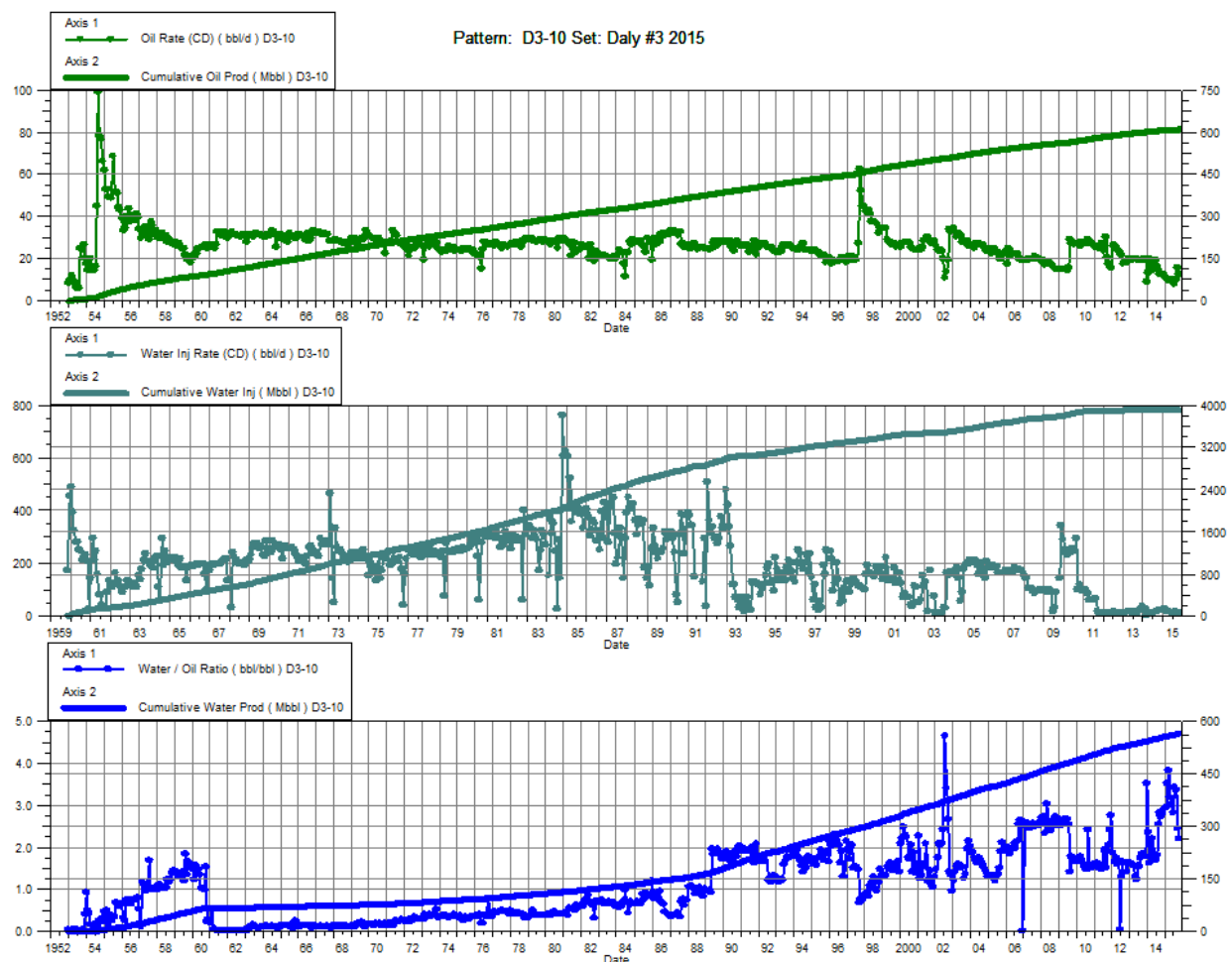


## Daly Unit No. 3

Pattern P-10 – 00/14-12-010-28W1/00

P-10 – B0/14-12-010-28W1/00

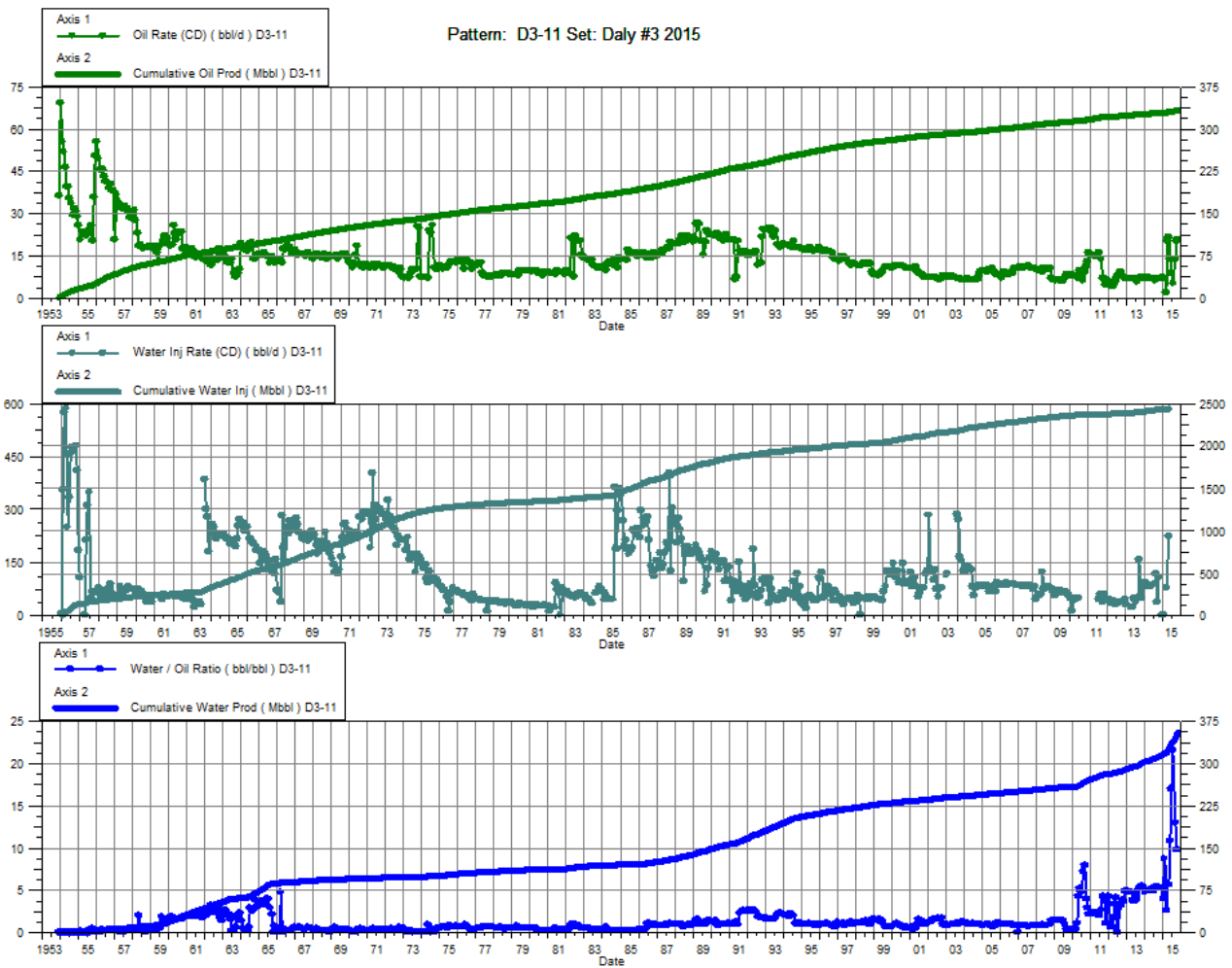
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa	Water Inj Pressure kPa
1/31/2015	1.73	96.56	5.07	88.47	4.04	622.77	2.92	0.59	3.33	5,000	6,000
2/28/2015	1.58	96.60	5.55	88.63	3.91	622.88	3.51	0.55	3.33	5,000	6,000
3/31/2015	1.48	96.65	5.66	88.80	2.64	622.96	3.82	0.37	3.33	5,032	6,013
4/30/2015	1.62	96.70	5.18	88.96	2.88	623.05	3.19	0.42	3.32	5,993	6,400
5/31/2015	1.61	96.75	4.81	89.11		623.05	3.00		3.32	5,806	6,400
6/30/2015	1.65	96.80	4.63	89.25	2.15	623.11	2.81	0.34	3.32	6,000	6,400
7/31/2015	1.23	96.84	4.23	89.38	2.16	623.18	3.44	0.39	3.31	6,000	6,400
8/31/2015	1.63	96.89	5.49	89.55	3.01	623.27	3.37	0.42	3.31	6,000	6,400
9/30/2015	2.47	96.96	6.07	89.73	2.17	623.34	2.46	0.25	3.31	6,000	6,397
10/31/2015	2.00	97.02	4.39	89.87	2.11	623.40	2.19	0.33	3.30	6,000	6,300
11/30/2015	1.02	97.05	4.42	90.00	2.32	623.47	4.33	0.42	3.30	6,000	6,300
12/31/2015	2.94	97.14	4.55	90.14	2.34	623.54	1.55	0.31	3.30	6,000	6,300



## Daly Unit No. 3

### Pattern P-11 - 00/12-11-010-28W1/00

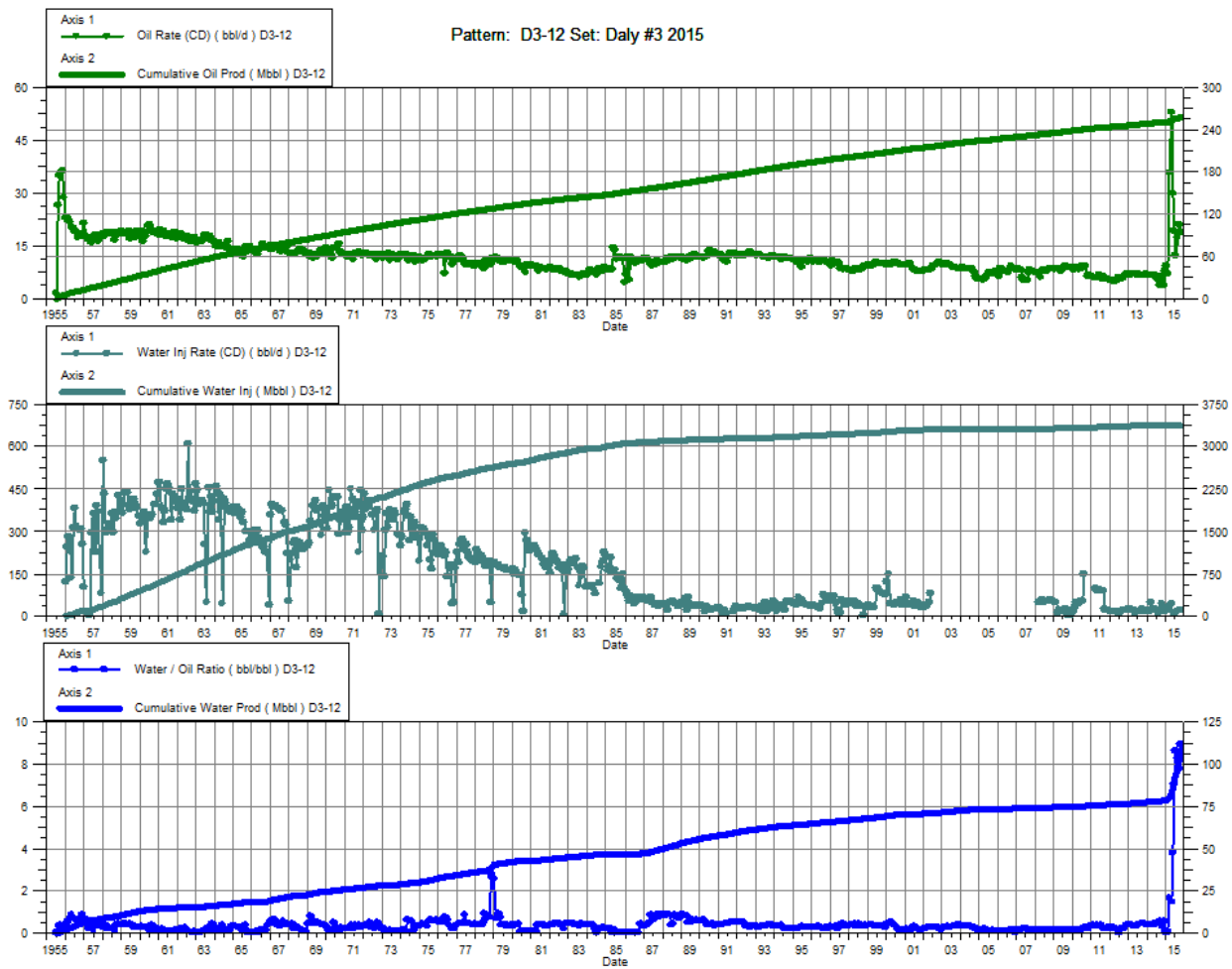
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacment Ratio	Water Inj Pressure kPa
1/31/2015	1.13	52.46	9.87	50.50	0.01	387.10	8.74	0.00	3.72	5,640
2/28/2015	0.34	52.47	0.86	50.52		387.10	2.55		3.72	5,640
3/31/2015	3.26	52.57	18.19	51.09	12.33	387.48	5.59	0.57	3.70	5,645
4/30/2015	3.49	52.67	19.99	51.69	35.59	388.55	5.72	1.51	3.69	5,793
5/31/2015	2.25	52.74	24.25	52.44		388.55	10.78		3.66	5,500
6/30/2015	1.46	52.78	24.71	53.18		388.55	16.98		3.63	2,500
7/31/2015	0.84	52.81	18.07	53.74		388.55	21.47		3.61	2,500
8/31/2015	2.20	52.88	28.70	54.63		388.55	13.05		3.58	2,500
9/30/2015	3.25	52.98	31.97	55.59		388.55	9.85		3.55	2,500
10/31/2015	3.31	53.08	32.33	56.59		388.55	9.77		3.51	2,500
11/30/2015	2.26	53.15	32.22	57.56		388.55	14.28		3.48	2,500
12/31/2015	2.11	53.21	33.02	58.58		388.55	15.63		3.44	2,500



## Daly Unit No. 3

### Pattern P-12 - 00/10-11-010-28W1/00

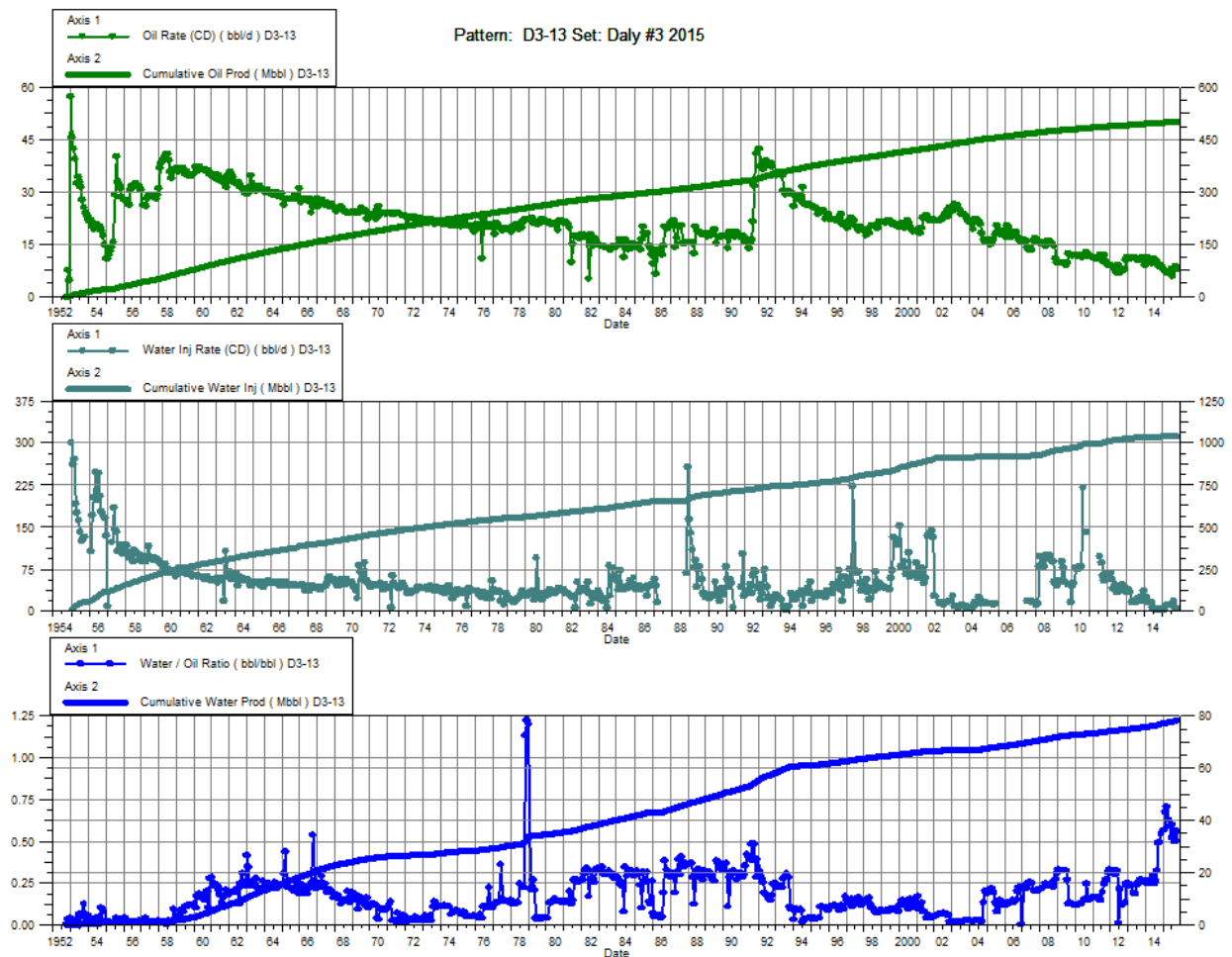
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	1.50	39.92	0.05	12.46	4.82	536.96	0.04	3.06	10.10	5,800
2/28/2015	1.13	39.95	0.06	12.47		536.96	0.05		10.10	5,800
3/31/2015	5.67	40.13	9.52	12.76	3.97	537.08	1.68	0.26	10.01	5,806
4/30/2015	8.45	40.38	12.49	13.14	6.62	537.28	1.48	0.31	9.90	6,000
5/31/2015	4.73	40.53	17.89	13.69		537.28	3.78		9.77	6,000
6/30/2015	3.08	40.62	21.61	14.34	2.00	537.34	7.02	0.08	9.64	6,000
7/31/2015	1.96	40.68	16.96	14.86	2.11	537.41	8.64	0.11	9.54	6,000
8/31/2015	2.79	40.77	23.06	15.58	2.78	537.49	8.25	0.11	9.41	6,000
9/30/2015	3.36	40.87	25.99	16.36	3.04	537.59	7.74	0.10	9.27	6,003
10/31/2015	2.99	40.96	26.67	17.19	2.95	537.68	8.92	0.10	9.12	6,100
11/30/2015	2.39	41.03	26.53	17.98	4.05	537.80	11.09	0.14	8.99	6,100
12/31/2015	2.49	41.11	27.36	18.83	2.86	537.89	10.99	0.10	8.86	6,100



## Daly Unit No. 3

### Pattern P-13 - 00/12-12-010-28W1/00

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacment Ratio	Water Inj Pressure kPa
1/31/2015	1.23	79.35	0.69	12.26	0.53	164.92	0.56	0.27	1.77	5,900
2/28/2015	1.12	79.38	0.76	12.28	0.26	164.93	0.67	0.14	1.77	5,900
3/31/2015	1.11	79.42	0.78	12.31	1.69	164.98	0.71	0.89	1.77	5,900
4/30/2015	1.15	79.45	0.72	12.33	1.61	165.03	0.62	0.85	1.77	5,900
5/31/2015	1.14	79.49	0.67	12.35		165.03	0.59		1.77	5,916
6/30/2015	1.24	79.52	0.64	12.37	1.57	165.07	0.52	0.82	1.77	6,400
7/31/2015	0.89	79.55	0.53	12.38	1.57	165.12	0.60	1.10	1.77	6,400
8/31/2015	1.28	79.59	0.64	12.40	2.56	165.20	0.50	1.31	1.77	6,400
9/30/2015	1.38	79.63	0.68	12.42	0.54	165.22	0.49	0.26	1.77	6,400
10/31/2015	1.26	79.67	0.71	12.45	0.47	165.23	0.56	0.23	1.76	6,400
11/30/2015	1.18	79.71	0.71	12.47	0.44	165.24	0.60	0.23	1.76	6,400
12/31/2015	1.20	79.74	0.72	12.49	0.70	165.27	0.60	0.36	1.76	6,400

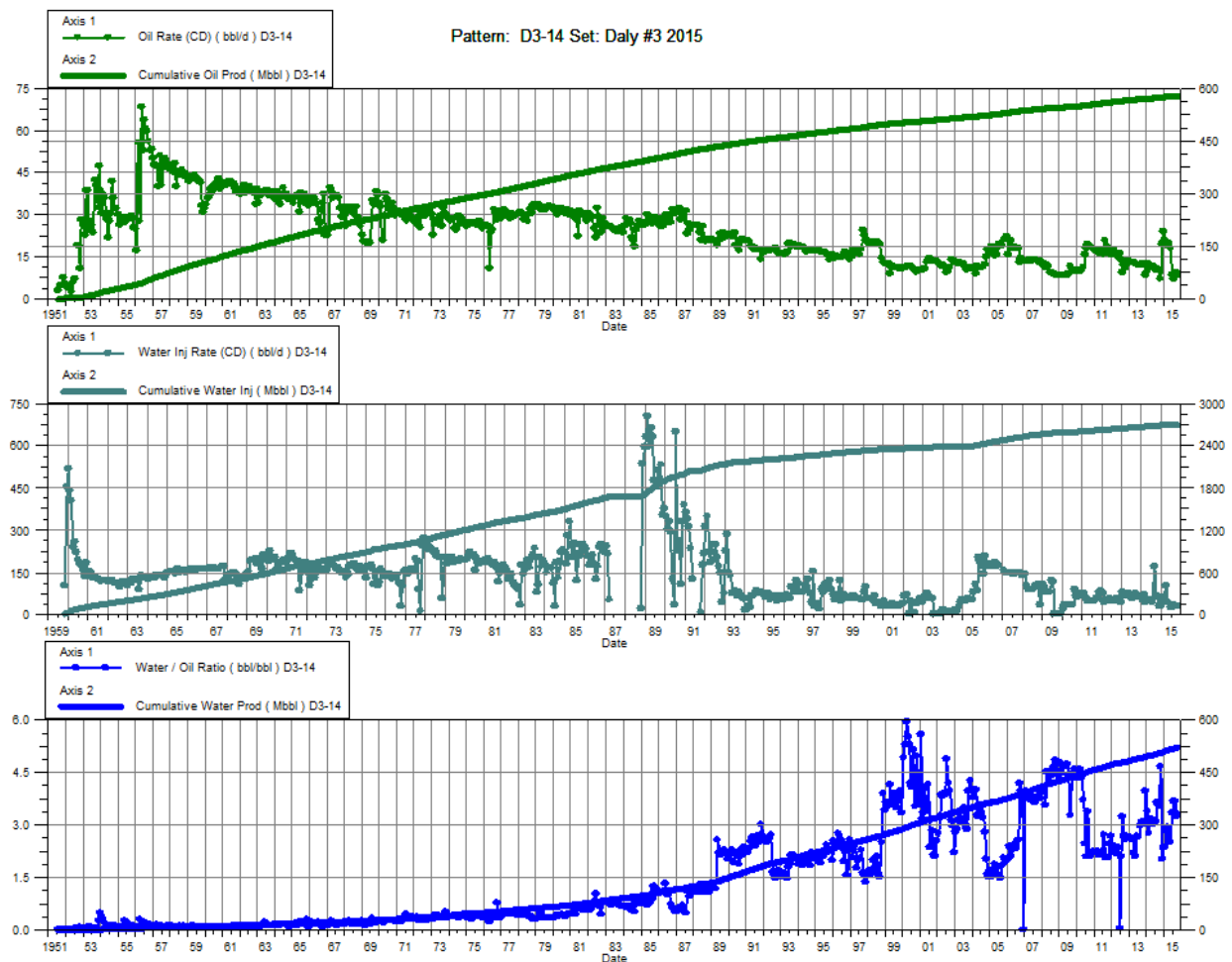




## Daly Unit No. 3

### Pattern P-14 - 00/10-12-010-28W1/00

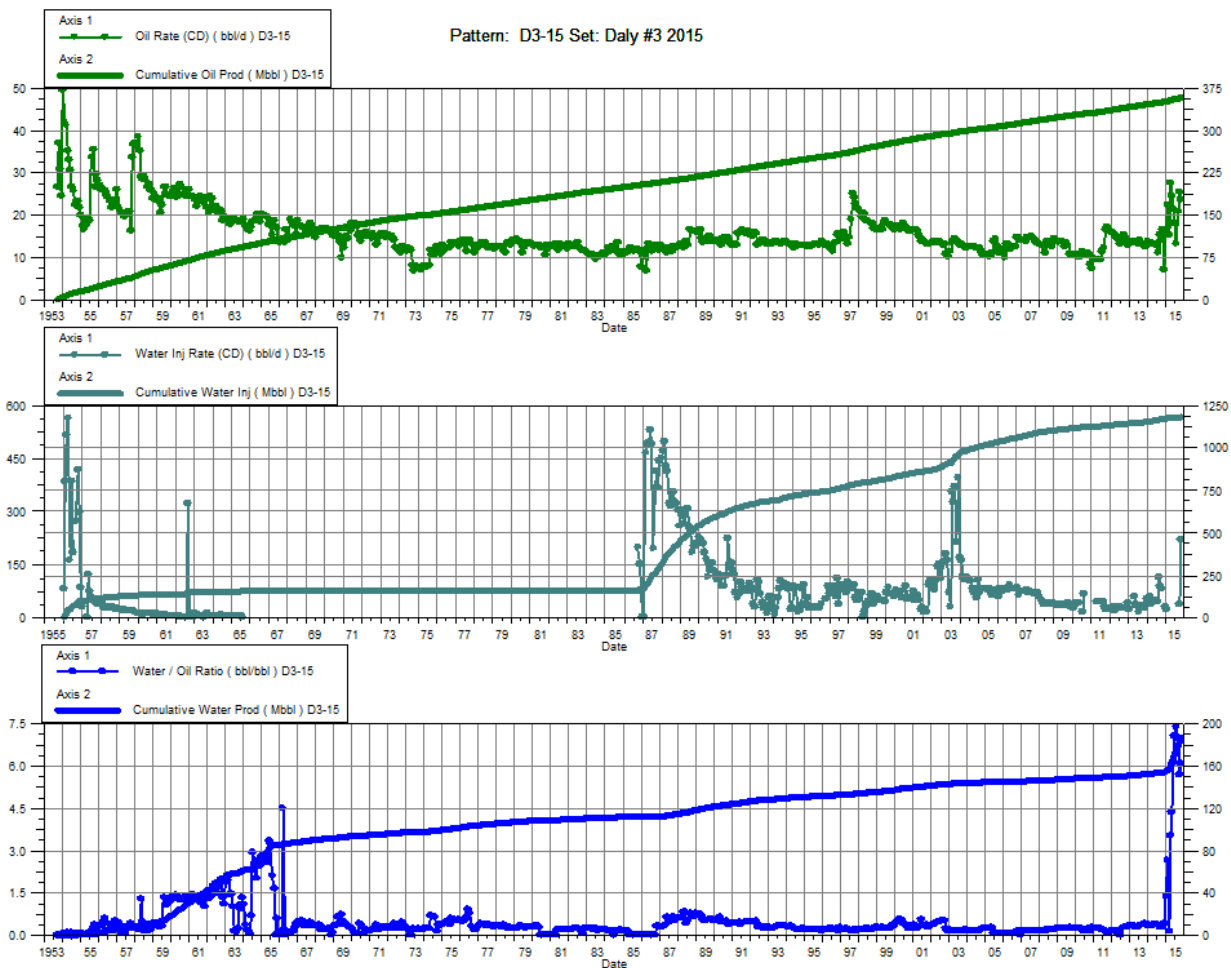
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	3.35	91.56	7.91	81.10	8.36	428.25	2.36	0.74	2.46	5,600
2/28/2015	3.08	91.65	8.67	81.34	9.86	428.53	2.81	0.84	2.45	5,600
3/31/2015	3.03	91.74	8.89	81.62	16.12	429.03	2.93	1.35	2.45	5,613
4/30/2015	3.15	91.83	8.11	81.86	7.13	429.24	2.58	0.63	2.45	6,003
5/31/2015	2.87	91.92	7.20	82.08		429.24	2.51		2.44	6,103
6/30/2015	1.38	91.97	4.59	82.22	3.61	429.35	3.33	0.60	2.44	6,200
7/31/2015	1.15	92.00	4.25	82.35	4.26	429.48	3.68	0.79	2.44	6,200
8/31/2015	1.28	92.04	4.69	82.50	5.08	429.64	3.66	0.85	2.44	6,200
9/30/2015	1.50	92.09	4.82	82.64	4.91	429.79	3.22	0.78	2.44	6,193
10/31/2015	1.33	92.13	4.40	82.78	4.73	429.93	3.31	0.82	2.43	6,000
11/30/2015	1.07	92.16	4.47	82.91	4.72	430.08	4.17	0.85	2.43	6,000
12/31/2015	1.50	92.21	4.55	83.06	5.13	430.24	3.03	0.84	2.43	6,000



## Daly Unit No. 3

### Pattern P-15 - 00/06-11-010-28W1/00

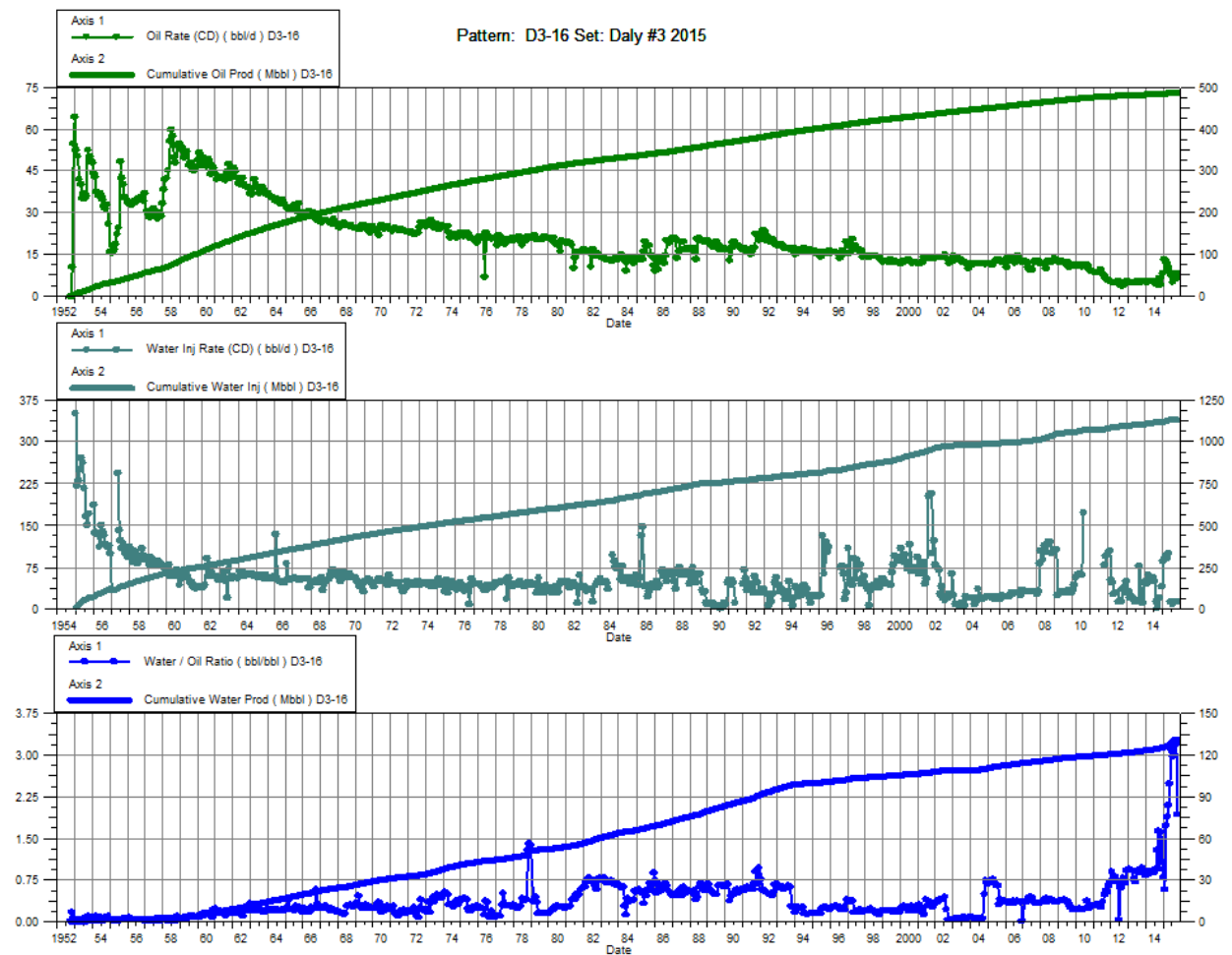
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	3.57	56.06	9.43	24.94	3.57	186.80	2.64	0.27	2.28	5,600
2/28/2015	2.48	56.13	0.31	24.94		186.80	0.13		2.27	5,600
3/31/2015	4.39	56.27	15.41	25.42		186.80	3.51		2.26	5,600
4/30/2015	3.90	56.38	17.05	25.93		186.80	4.38		2.24	5,600
5/31/2015	3.43	56.49	20.87	26.58		186.80	6.08		2.22	5,419
6/30/2015	2.91	56.58	20.53	27.20		186.80	7.05		2.20	-
7/31/2015	2.12	56.64	15.56	27.68		186.80	7.35		2.19	-
8/31/2015	3.34	56.75	23.30	28.40		186.80	6.97		2.17	-
9/30/2015	4.09	56.87	23.22	29.10	5.97	186.98	5.68	0.22	2.15	173
10/31/2015	3.78	56.99	23.01	29.81	35.22	188.07	6.08	1.31	2.14	5,200
11/30/2015	2.82	57.07	23.22	30.51	22.77	188.76	8.24	0.87	2.13	5,200
12/31/2015	1.44	57.12	23.84	31.25	40.83	190.02	16.61	1.61	2.12	5,200



## Daly Unit No. 3

### Pattern P-16 - 00/08-11-010-28W1/00

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	2.09	77.15	1.22	19.97	13.53	178.14	0.58	4.05	1.81	6,000
2/28/2015	2.02	77.21	3.47	20.06	14.64	178.55	1.72	2.65	1.81	6,000
3/31/2015	1.87	77.26	3.53	20.17	14.42	179.00	1.89	2.65	1.81	6,010
4/30/2015	1.64	77.31	3.42	20.28	15.62	179.47	2.08	3.07	1.81	6,297
5/31/2015	1.34	77.35	3.33	20.38		179.47	2.49		1.81	6,203
6/30/2015	1.13	77.39	3.47	20.48	2.08	179.53	3.08	0.45	1.81	6,293
7/31/2015	0.80	77.41	2.37	20.56	1.18	179.57	2.95	0.37	1.81	6,100
8/31/2015	0.99	77.44	3.23	20.66	1.67	179.62	3.26	0.40	1.80	6,100
9/30/2015	1.02	77.47	3.23	20.75	1.88	179.68	3.18	0.44	1.80	6,103
10/31/2015	1.32	77.52	2.52	20.83	1.80	179.73	1.92	0.47	1.80	6,200
11/30/2015	1.55	77.56	1.92	20.89	1.88	179.79	1.24	0.54	1.80	6,200
12/31/2015	1.57	77.61	1.91	20.95	1.95	179.85	1.21	0.56	1.80	6,200

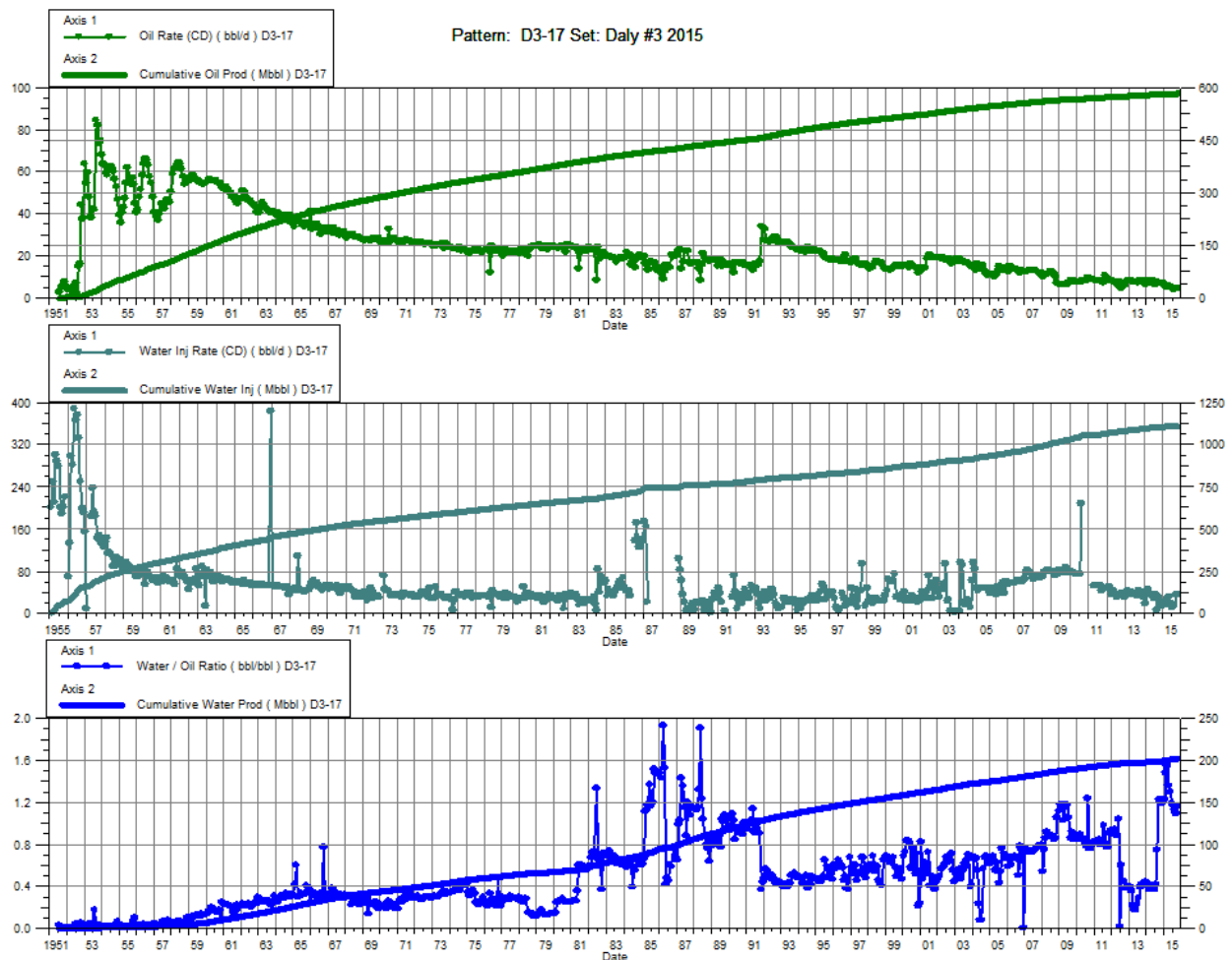


## Daly Unit No. 3

Pattern P-17 – 00/06-12-010-28W1/00

P-17 – A0/05-12-010-28W1/00

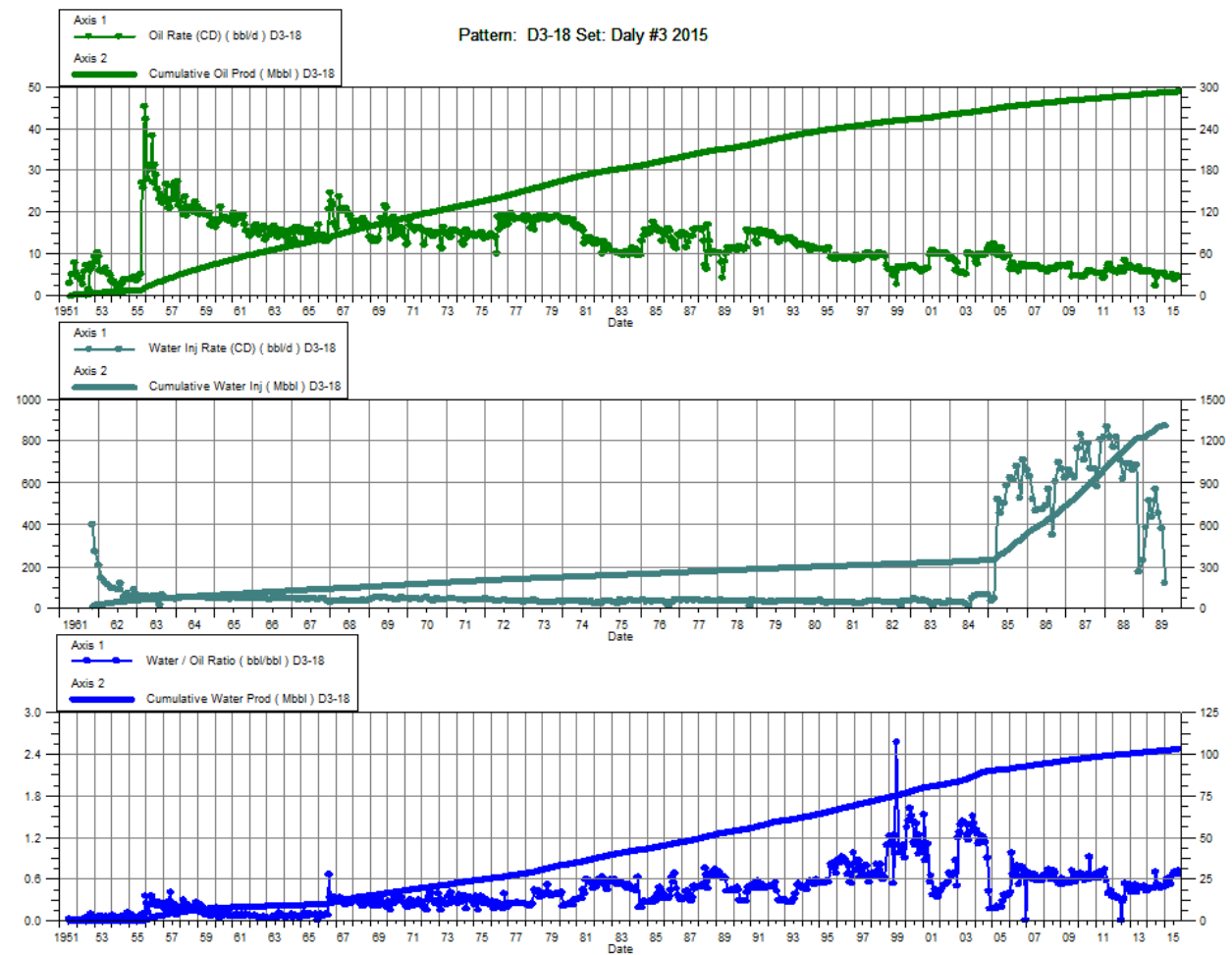
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa	Water Inj Pressure kPa
1/31/2015	0.97	92.51	1.18	31.76	3.21	175.73	1.23	1.48	1.39	5,687	5,800
2/28/2015	0.88	92.53	1.30	31.80	2.65	175.81	1.47	1.21	1.39	5,687	5,800
3/31/2015	0.87	92.56	1.33	31.84	3.97	175.93	1.53	1.79	1.39	5,687	5,816
4/30/2015	0.90	92.59	1.23	31.88	4.97	176.08	1.36	2.32	1.40	5,707	6,303
5/31/2015	0.89	92.61	1.15	31.91		176.08	1.30		1.39	6,303	6,400
6/30/2015	0.89	92.64	1.05	31.95	2.87	176.16	1.18	1.46	1.39	6,400	6,400
7/31/2015	0.66	92.66	0.78	31.97	1.59	176.21	1.17	1.10	1.39	6,400	6,394
8/31/2015	0.76	92.68	0.85	32.00	2.19	176.28	1.12	1.36	1.39	6,400	6,200
9/30/2015	0.78	92.71	0.85	32.02	5.77	176.45	1.08	3.51	1.40	6,400	6,203
10/31/2015	0.72	92.73	0.85	32.05	5.41	176.62	1.17	3.42	1.40	6,400	6,300
11/30/2015	0.67	92.75	0.85	32.07	3.11	176.71	1.26	2.03	1.40	6,400	6,300
12/31/2015	0.69	92.77	0.82	32.10	5.70	176.89	1.20	3.75	1.40	6,400	6,300



## Daly Unit No. 3

### Pattern P-18 - 00/08-12-010-28W1/00

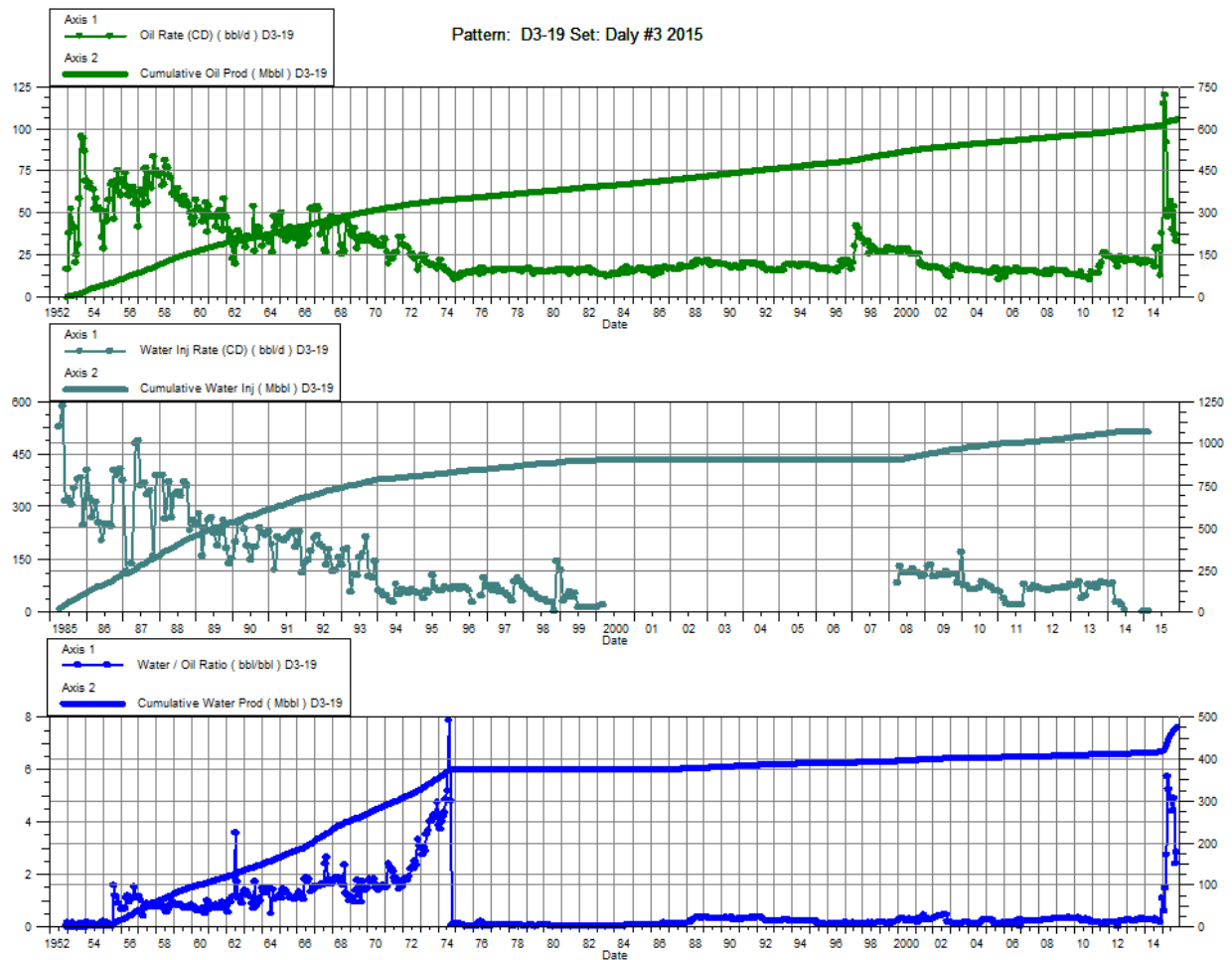
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	0.76	46.49	0.38	16.28		209.39	0.50		3.29	--
2/28/2015	0.71	46.51	0.42	16.29		209.39	0.59		3.29	--
3/31/2015	0.69	46.54	0.42	16.31		209.39	0.60		3.29	--
4/30/2015	0.71	46.56	0.39	16.32		209.39	0.55		3.28	--
5/31/2015	0.72	46.58	0.38	16.33		209.39	0.52		3.28	--
6/30/2015	0.81	46.60	0.53	16.35		209.39	0.66		3.28	--
7/31/2015	0.61	46.62	0.42	16.36		209.39	0.70		3.28	--
8/31/2015	0.72	46.65	0.48	16.37		209.39	0.67		3.28	--
9/30/2015	0.77	46.67	0.51	16.39		209.39	0.66		3.27	--
10/31/2015	0.71	46.69	0.51	16.41		209.39	0.71		3.27	--
11/30/2015	0.67	46.71	0.51	16.42		209.39	0.76		3.27	--
12/31/2015	0.68	46.73	0.52	16.44		209.39	0.75		3.27	--



## Daly Unit No. 3

### Pattern P-19 - 00/13-02-010-28W1/00

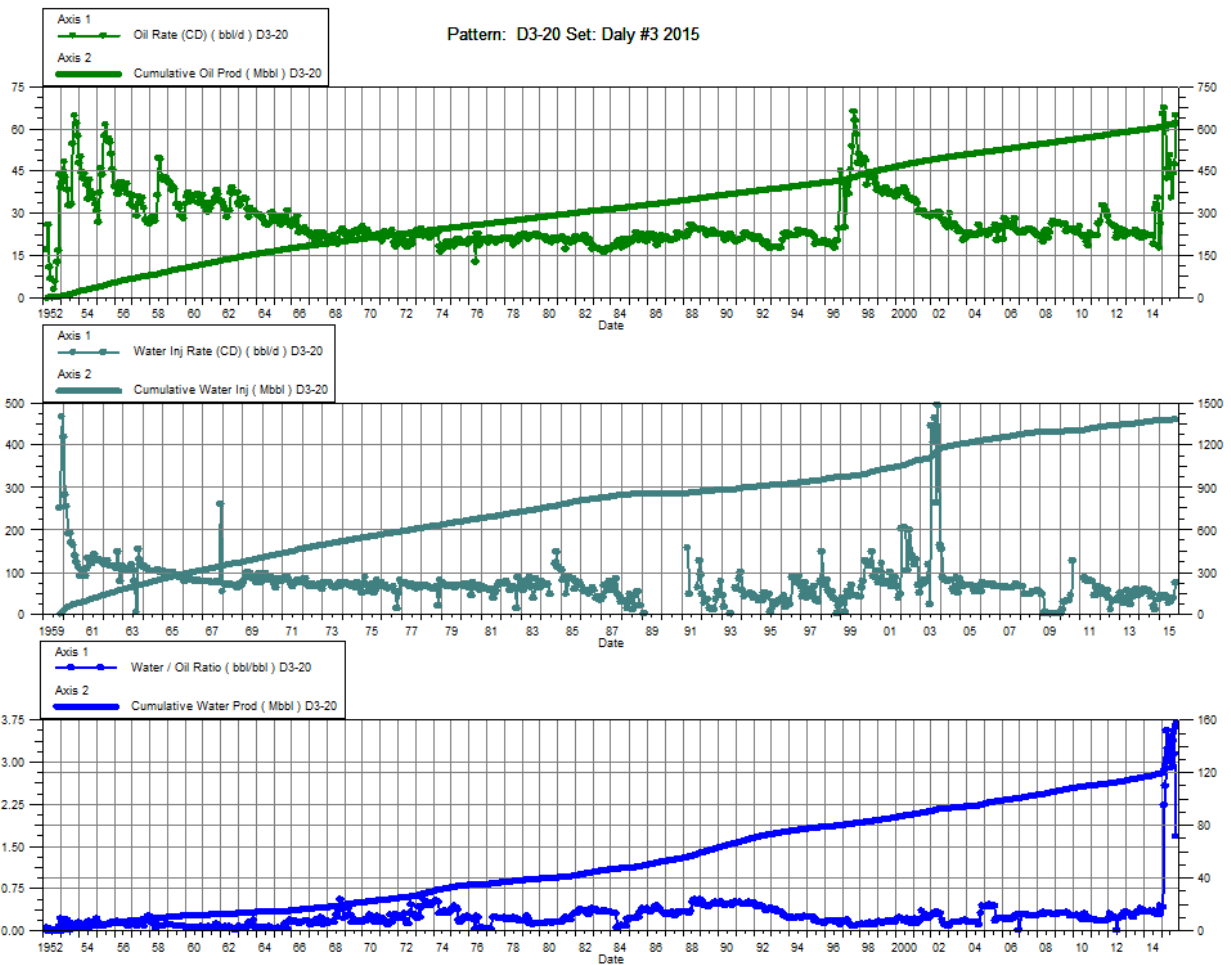
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	18.23	98.20	10.95	66.85	0.15	170.04	0.60		1.02	2,180
2/28/2015	19.16	98.73	27.83	67.63	0.15	170.05	1.45	0.01	1.01	2,180
3/31/2015	14.70	99.19	40.14	68.87		170.05	2.73		1.00	2,180
4/30/2015	7.59	99.42	43.56	70.18		170.05	5.74		0.99	2,180
5/31/2015	8.19	99.67	42.75	71.50		170.05	5.22		0.98	2,180
6/30/2015	9.07	99.94	44.00	72.82		170.05	4.85		0.97	2,180
7/31/2015	6.38	100.14	28.22	73.70		170.05	4.42		0.97	2,180
8/31/2015	8.63	100.41	42.26	75.01		170.05	4.90		0.96	2,180
9/30/2015	5.88	100.58	13.96	75.43		170.05	2.38		0.96	2,180
10/31/2015	5.32	100.75	15.04	75.89		170.05	2.83		0.95	2,180
11/30/2015	7.86	100.98	43.50	77.20		170.05	5.53		0.94	2,180
12/31/2015	5.78	101.16	46.17	78.63		170.05	7.99		0.94	2,180



## Daly Unit No. 3

### Pattern P-20 - 00/02-11-010-28W1/00

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	10.39	96.89	4.22	19.15	7.14	218.80	0.41	0.48	1.86	4,911
2/28/2015	10.74	97.19	23.93	19.82	6.41	218.98	2.23	0.18	1.84	4,911
3/31/2015	9.51	97.49	24.47	20.57	5.82	219.16	2.57	0.17	1.83	4,930
4/30/2015	6.75	97.69	23.99	21.29	6.98	219.37	3.55	0.23	1.82	5,503
5/31/2015	7.24	97.92	23.36	22.02		219.37	3.23		1.80	5,600
6/30/2015	8.05	98.16	24.54	22.75	4.24	219.50	3.05	0.13	1.79	5,600
7/31/2015	5.68	98.33	16.46	23.26	4.40	219.63	2.90	0.20	1.78	5,600
8/31/2015	7.06	98.55	23.70	24.00	6.01	219.82	3.36	0.19	1.77	5,600
9/30/2015	7.55	98.78	23.74	24.71	6.11	220.00	3.15	0.19	1.76	5,600
10/31/2015	10.31	99.10	17.35	25.25	12.04	220.37	1.68	0.43	1.75	5,600
11/30/2015	12.66	99.48	12.41	25.62	5.78	220.55	0.98	0.23	1.74	5,600
12/31/2015	10.28	99.80	12.09	26.00	7.02	220.77	1.18	0.31	1.73	5,600

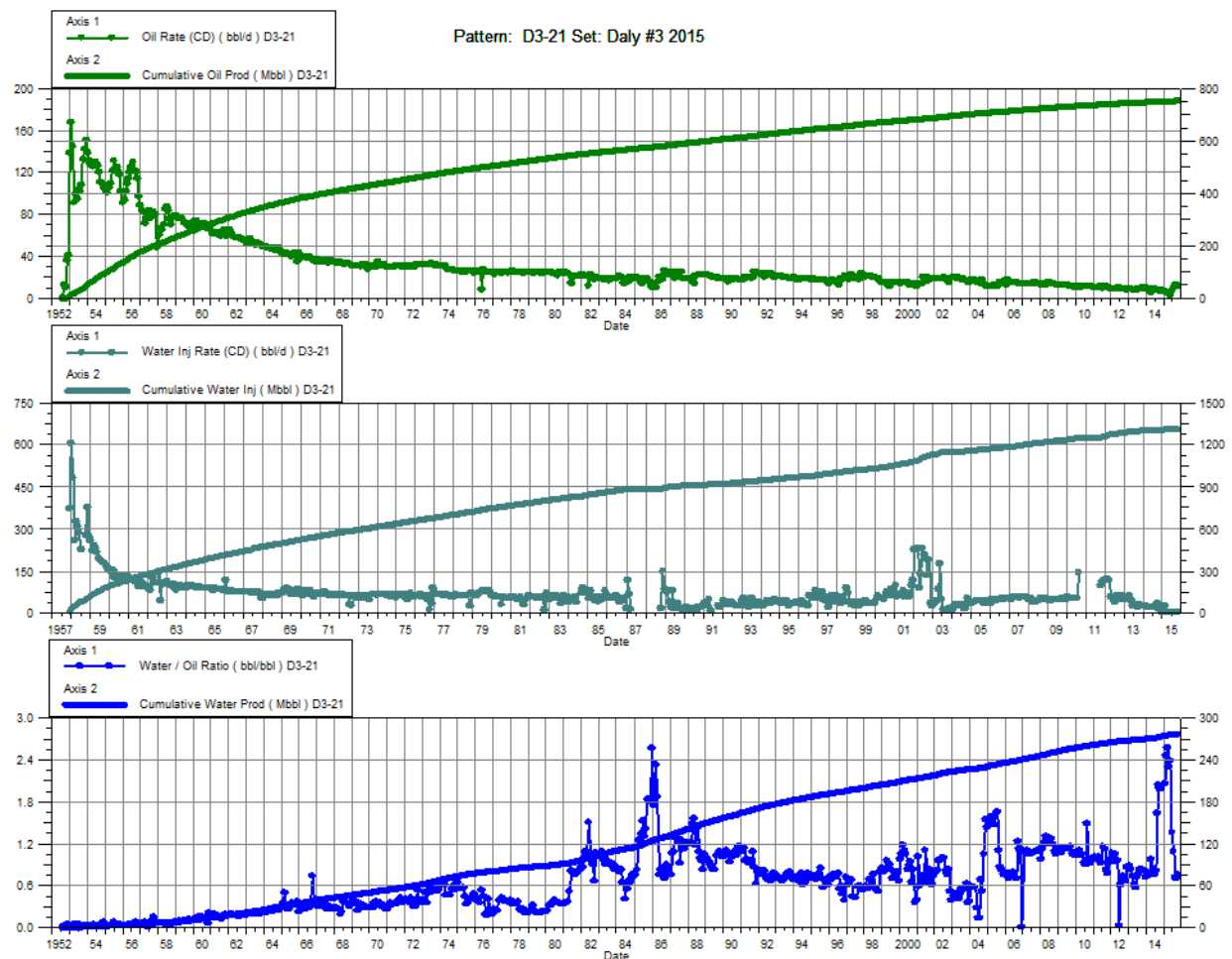


## Daly Unit No. 3

Pattern P-21 - 00/04-12-010-28W1/00

P-21 – B0/05-12-010-28W1/00

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa	Water Inj Pressure kPa
1/31/2015	1.03	119.51	2.12	43.67	3.84	208.08	2.05	1.21	1.26	5,900	5,900
2/28/2015	0.94	119.54	2.32	43.73	3.72	208.18	2.46	1.14	1.26	5,900	5,900
3/31/2015	0.93	119.57	2.38	43.81	0.33	208.19	2.57	0.10	1.26	5,900	5,877
4/30/2015	0.92	119.60	2.10	43.87	0.39	208.21	2.30	0.13	1.26	5,900	5,200
5/31/2015	0.61	119.62	1.44	43.92		208.21	2.39		1.26	5,900	5,239
6/30/2015	1.02	119.65	1.39	43.96	0.11	208.21	1.36	0.05	1.26	5,900	6,400
7/31/2015	1.46	119.69	1.58	44.01	0.12	208.21	1.08	0.04	1.25	5,900	6,400
8/31/2015	1.97	119.75	1.41	44.05	0.27	208.22	0.72	0.08	1.25	5,900	6,400
9/30/2015	2.03	119.81	1.40	44.09	0.15	208.23	0.69	0.04	1.25	5,900	6,400
10/31/2015	1.88	119.87	1.40	44.14	0.15	208.23	0.75	0.04	1.25	5,900	6,400
11/30/2015	1.72	119.92	1.31	44.18	0.14	208.23	0.76	0.05	1.25	5,900	6,400
12/31/2015	1.77	119.98	1.29	44.22	0.20	208.24	0.73	0.06	1.25	5,900	6,400

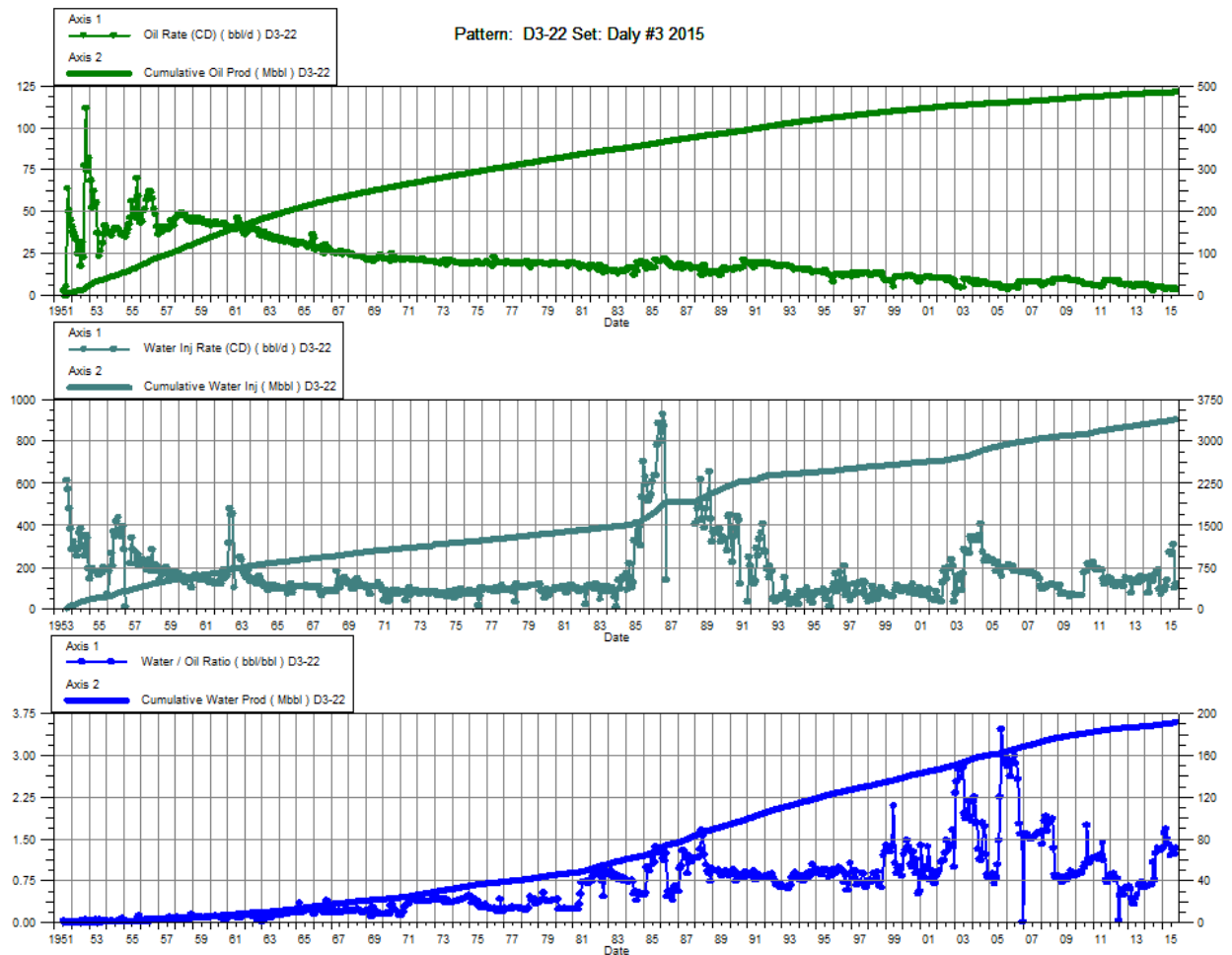




## Daly Unit No. 3

### Pattern P-22 - 00/02-12-010-28W1/00

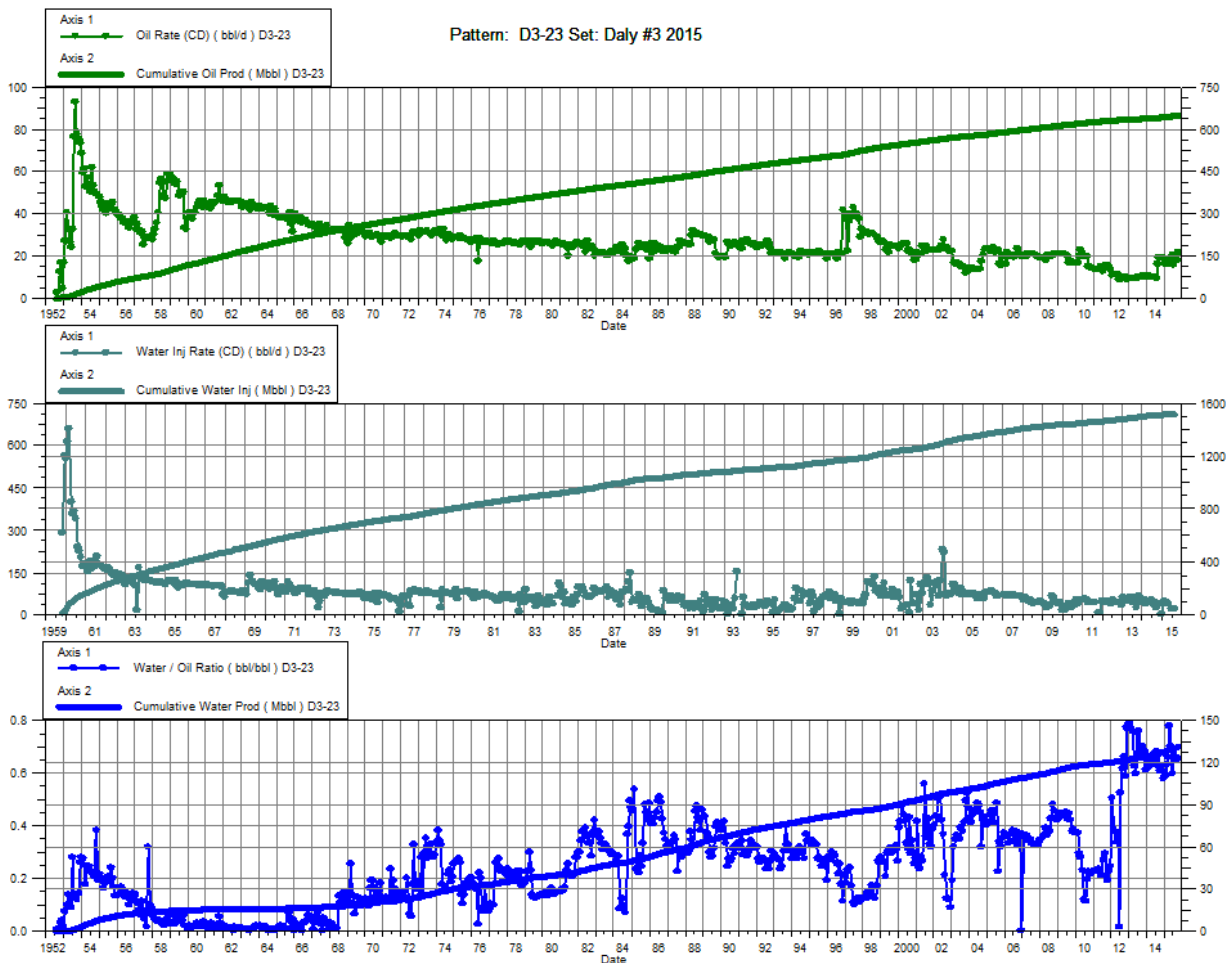
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	0.69	77.13	0.93	30.21	14.91	533.46	1.34	9.12	4.90	5,500
2/28/2015	0.63	77.15	1.02	30.24	14.44	533.87	1.61	8.66	4.90	5,500
3/31/2015	0.62	77.17	1.05	30.27	16.43	534.37	1.67	9.76	4.91	5,510
4/30/2015	0.65	77.18	0.96	30.30	21.30	535.01	1.48	13.11	4.91	5,807
5/31/2015	0.65	77.21	0.91	30.33		535.01	1.39		4.91	6,000
6/30/2015	0.72	77.23	0.87	30.35	42.65	536.29	1.20	26.52	4.92	5,993
7/31/2015	0.55	77.24	0.73	30.38	41.51	537.58	1.34	32.27	4.93	5,806
8/31/2015	0.64	77.26	0.81	30.40	48.85	539.09	1.27	33.64	4.94	6,000
9/30/2015	0.66	77.28	0.81	30.42	16.01	539.57	1.23	10.86	4.94	6,010
10/31/2015	0.61	77.30	0.80	30.45	18.85	540.16	1.32	13.27	4.95	6,300
11/30/2015	0.57	77.32	0.81	30.47	19.91	540.76	1.42	14.41	4.95	6,300
12/31/2015	0.57	77.34	0.78	30.50	18.02	541.32	1.36	13.22	4.95	6,300



## Daly Unit No. 3

### Pattern P-23 - 00/16-02-010-28W1/00

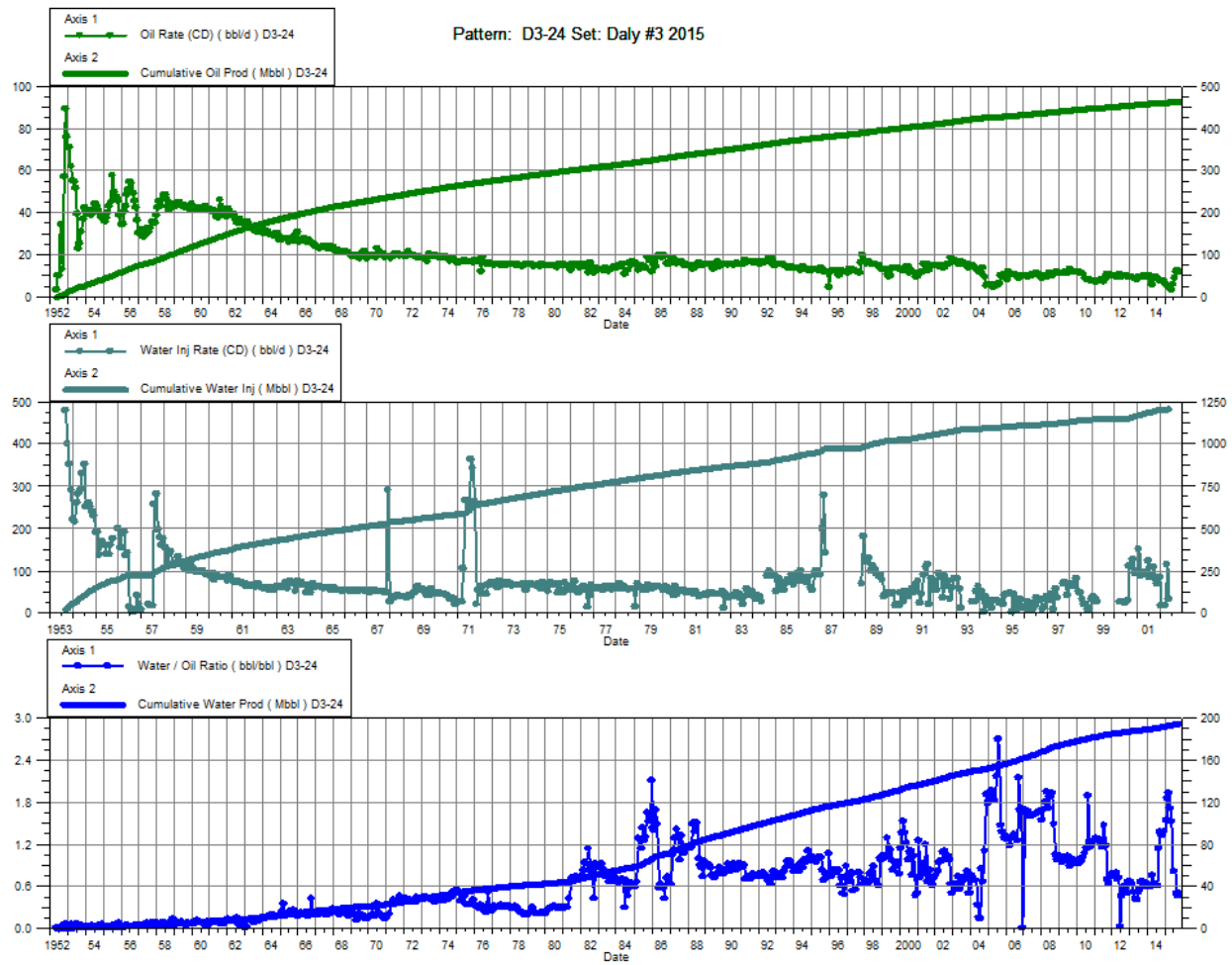
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	2.55	102.39	1.49	20.33	6.67	240.63	0.59	1.63	1.93	5,800
2/28/2015	2.66	102.46	1.67	20.38	7.42	240.84	0.63	1.69	1.93	5,800
3/31/2015	2.55	102.54	1.69	20.43	7.01	241.06	0.66	1.64	1.93	5,816
4/30/2015	2.73	102.62	2.13	20.50	6.44	241.25	0.78	1.31	1.93	6,297
5/31/2015	2.90	102.71	2.02	20.56		241.25	0.70		1.93	6,206
6/30/2015	3.32	102.81	1.98	20.62	3.34	241.35	0.60	0.62	1.93	6,400
7/31/2015	2.54	102.89	1.73	20.67	3.43	241.46	0.68	0.79	1.92	6,400
8/31/2015	2.95	102.98	1.94	20.73	3.27	241.56	0.66	0.66	1.92	6,341
9/30/2015	2.88	103.07	1.87	20.79		241.56	0.65		1.92	4,575
10/31/2015	3.43	103.18	2.25	20.86		241.56	0.66		1.92	4,575
11/30/2015	3.07	103.27	2.21	20.92		241.56	0.72		1.91	4,575
12/31/2015	3.04	103.36	2.14	20.99		241.56	0.70		1.91	4,575



## Daly Unit No. 3

### Pattern P-24 - 00/14-01-010-28W1/00

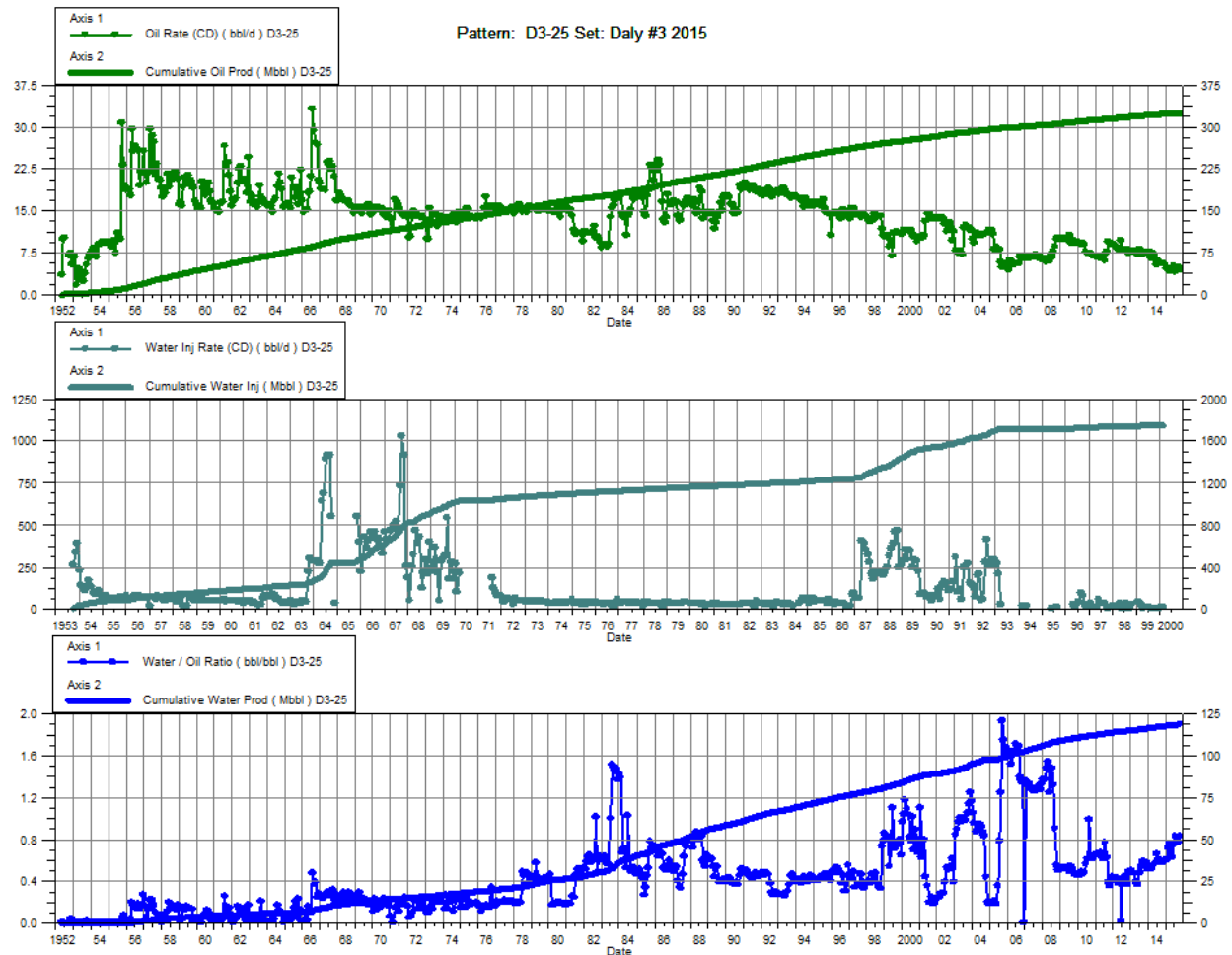
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	0.97	73.34	1.50	30.57		192.02	1.54		1.82	--
2/28/2015	0.89	73.36	1.64	30.62		192.02	1.85		1.82	--
3/31/2015	0.88	73.39	1.68	30.67		192.02	1.92		1.82	--
4/30/2015	0.86	73.41	1.46	30.72		192.02	1.70		1.82	--
5/31/2015	0.55	73.43	0.84	30.74		192.02	1.52		1.82	--
6/30/2015	0.97	73.46	0.79	30.77		192.02	0.81		1.82	--
7/31/2015	1.45	73.51	1.16	30.80		192.02	0.80		1.82	--
8/31/2015	1.95	73.57	0.96	30.83		192.02	0.49		1.82	--
9/30/2015	2.02	73.63	0.94	30.86		192.02	0.47		1.81	--
10/31/2015	1.86	73.68	0.94	30.89		192.02	0.51		1.81	--
11/30/2015	1.74	73.74	0.94	30.92		192.02	0.54		1.81	--
12/31/2015	1.77	73.79	0.92	30.95		192.02	0.52		1.81	--



## Daly Unit No. 3

### Pattern P-25 - 00/16-01-010-28W1/00

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacment Ratio	Water Inj Pressure kPa
1/31/2015	0.77	51.53	0.47	18.76		277.99	0.60		3.90	--
2/28/2015	0.71	51.55	0.51	18.77		277.99	0.72		3.90	--
3/31/2015	0.69	51.57	0.52	18.79		277.99	0.75		3.90	--
4/30/2015	0.72	51.59	0.48	18.80		277.99	0.67		3.89	--
5/31/2015	0.73	51.61	0.46	18.82		277.99	0.63		3.89	--
6/30/2015	0.84	51.64	0.63	18.84		277.99	0.75		3.89	--
7/31/2015	0.63	51.66	0.53	18.85		277.99	0.83		3.89	--
8/31/2015	0.76	51.68	0.60	18.87		277.99	0.79		3.89	--
9/30/2015	0.78	51.70	0.60	18.89		277.99	0.77		3.88	--
10/31/2015	0.72	51.73	0.60	18.91		277.99	0.83		3.88	--
11/30/2015	0.67	51.75	0.60	18.92		277.99	0.89		3.88	--
12/31/2015	0.69	51.77	0.61	18.94		277.99	0.88		3.88	--



## Daly Unit No. 3

### Pattern P-26 - 00/12-01-010-28W1/00

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1/31/2015	2.86	91.80	1.87	12.99	2.21	174.30	0.65	0.46	1.64	5,800
2/28/2015	9.93	92.08	0.31	13.00	4.05	174.42	0.03	0.39	1.63	5,800
3/31/2015	16.76	92.60	6.56	13.21		174.42	0.39		1.62	5,800
4/30/2015	16.58	93.09	8.54	13.46		174.42	0.52		1.61	5,800
5/31/2015	13.33	93.51	5.27	13.63		174.42	0.40		1.60	5,800
6/30/2015	17.56	94.03	5.02	13.78		174.42	0.29		1.59	5,800
7/31/2015	13.70	94.46	4.47	13.91		174.42	0.33		1.58	5,800
8/31/2015	12.92	94.86	4.01	14.04		174.42	0.31		1.58	5,800
9/30/2015	13.12	95.25	3.83	14.15		174.42	0.29		1.57	5,800
10/31/2015	15.88	95.74	5.50	14.32		174.42	0.35		1.56	5,800
11/30/2015	13.94	96.16	5.07	14.48		174.42	0.36		1.55	5,800
12/31/2015	13.55	96.58	4.85	14.63		174.42	0.36		1.54	5,800

