

**WASKADA UNIT NO. 3
WATERFLOOD EOR PROJECT**

ANNUAL WATERFLOOD PROGRESS REPORT FOR 2016

March 8th, 2017

Tundra Oil and Gas Partnership

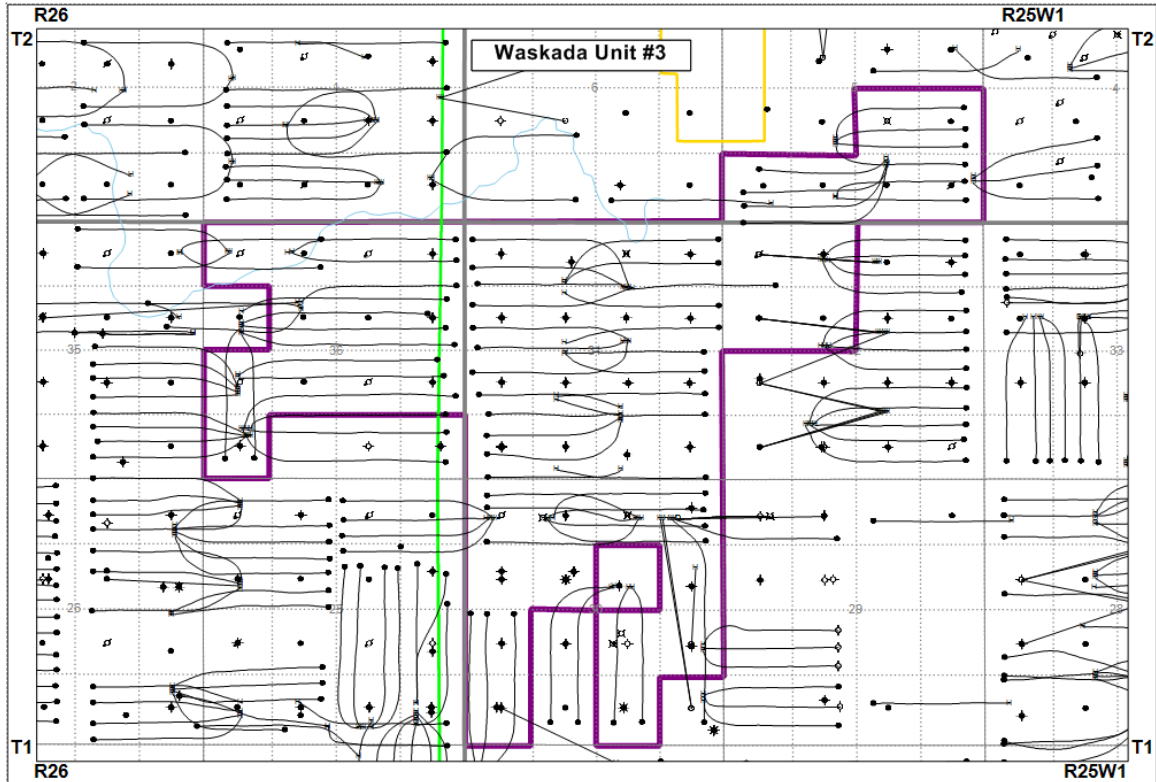
Table of Contents

Introduction	3.
Discussion	4.
Production History	4.
Waterflood EOR Operating Strategy and Performance	5.
Water Source and Quality	5.
Injection Wellhead Pressures	5.
Reservoir Pressure	6.
Well Servicing	6.
Waterflood Performance Discussion	6.
Table 1: Waskada Unit No. 3 Well List and History	
Table 2: Waskada Unit No. 3 Voidage Replacement Ratio Calculation	
Table 3: Waskada Unit No. 3 Monthly Injection Table	
Table 4: Summary of Producing Wells	
Table 5: Wellhead Injection Pressures	

INTRODUCTION

Waskada Unit No. 3 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Board Order No. PM58 effective May 1984. The Unit area contains 50 abandoned/suspended wells, including 14 inactive/abandoned injectors, 56 producing wells, and 5 active injectors in 50 LSDs in Townships 1 & 2, Ranges 25 & 26 W1 as shown in the figure below.

Figure 1: Waskada Unit 3 Area Outline



In accordance with Section 73 of the Manitoba Drilling and Production Regulation, Tundra hereby submits the following 2016 Annual Progress Report for Waskada Unit No. 3.

DISCUSSION

Production History

For the wells included in Waskada Unit No. 3, production started in June 1980 with the 00/11-30-001-25W1/2 Vertical well. Average oil production peaked for the first time at 2.2 m³/d per well in December 1984. This production was coming from 41 wells and totaled 92.7 m³/d for the whole Unit. The production at the end of December 2016 averaged 0.4 m³/d per well, totaling 11.8 m³/d for the Unit. Water was injected into Waskada Unit No. 3 from June 1984 until 2006. The rates and WOR are presented in Figure 2. Water injection was re-activated in late 2016.

Figure 2: Waskada Unit 3 Production/Injection Rates and WOR vs Time

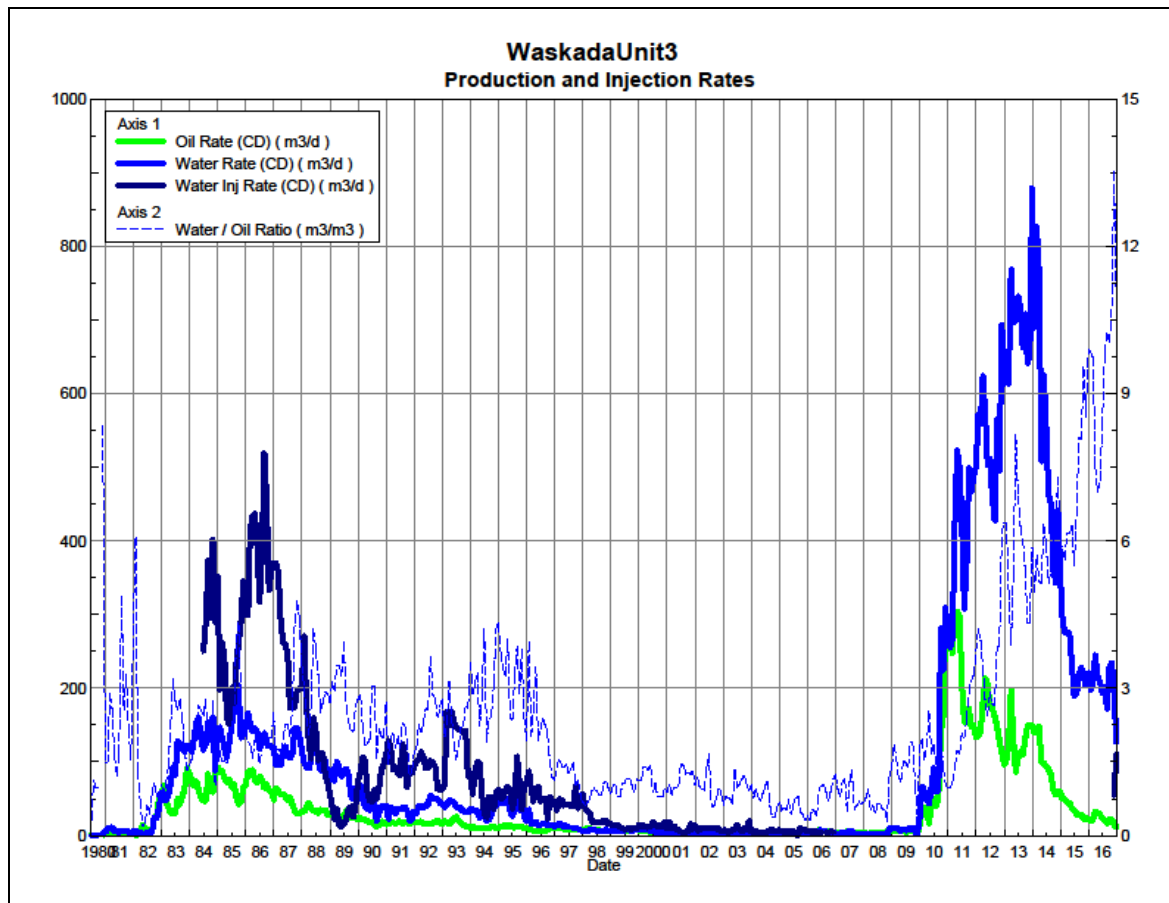
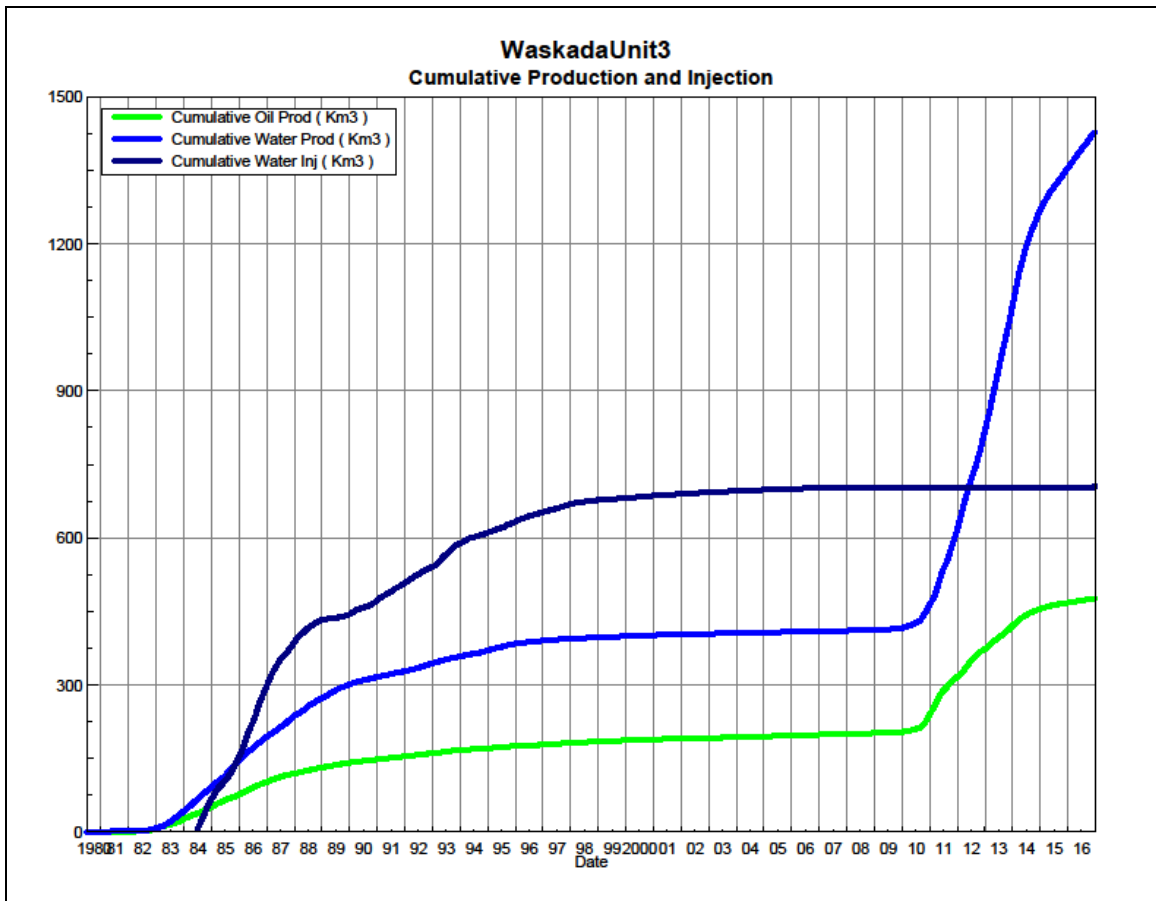


Figure 3 shows the cumulative production for Waskada Unit No. 3 to the end of December 2016 as 476.0 e³m³ of oil, and 1428.0 e³m³ of water.

Figure 3: Waskada Unit 3 Cumulative Oil, Water and Water Injected vs Time



Waterflood EOR Operating Strategy and Performance

Corrosion and Scale Prevention

The facilities in Unit 3 are currently using cathodic and chemical protection against corrosion and scale in the new horizontal wells. All facilities are monitored every 3 months to assess the corrosion and ensure that proper electrical current is being supplied. There have been no issues with corrosion or scale to date.

Injection Wellhead Pressures

An overview of wellhead pressures for each injector in Waskada Unit 3 is illustrated in Table 5.

Reservoir Pressure

Where practical, Tundra is committed to collecting pressure data from newly drilled injection wells. Since no new wells were drilled in the Unit, therefore, no pressure surveys were conducted in 2016.

Well Servicing

The following table includes all the maintenance done on the Waskada Unit 3 wells in 2016.

UWI	Workover Type	Date
103.02-30-001-25W1.00	Source Water Well Conversion	3-Aug-16
102.01-31-001-25W1.00	Pump Change	8-Sep-16
103.04-31-001-25W1.00	Cemented Liner Cleanout	1-Sep-16
105.04-31-001-25W1.00	Cemented Liner Cleanout	11-Feb-16
106.04-31-001-25W1.00	Cemented Liner Cleanout	8-Mar-16
102.05-31-001-25W1.00	Cemented Liner Cleanout	29-Feb-16
103.05-31-001-25W1.00	Cemented Liner Cleanout	2-Sep-16
104.08-31-001-25W1.00	Cemented Liner Cleanout	9-Mar-16
104.09-31-001-25W1.00	Cemented Liner Cleanout	27-Feb-16
103.12-31-001-25W1.00	Cemented Liner Cleanout	8-Mar-16
102.08-36-001-26W1.00	Cemented Liner Cleanout	2-Mar-16
105.09-36-001-26W1.00	Cemented Liner Cleanout	9-Mar-16
102.14-36-001-26W1.00	Cemented Liner Cleanout	9-Mar-16
103.14-36-001-26W1.00	Cemented Liner Cleanout	12-Sep-16
103.16-36-001-26W1.00	Cemented Liner Cleanout	29-Feb-16
104.16-36-001-26W1.00	Cemented Liner Cleanout	1-Sep-16
104.01-05-002-25W1.00	Pump Change	18-Jul-16

Waterflood Performance Discussion

From January 1 to December 31 in 2016, Waskada Unit No. 3 produced 82.0 e3m3 of fluid (8.1 e3m3 of Oil, 73.9 e3m3 of Water). Water injection was resumed in 2016, and it totaled 5.1 e3m3 in this year. Due to the new horizontals being produced and the pressure support just being re-started in the Unit, the cumulative VRR has dropped in the last 10 years, down to 0.358.

Table 2 summarizes the yearly and cumulative VRR for Waskada Unit No. 3.

Figure 4: Waskada Unit 3 Production and Injection Rate

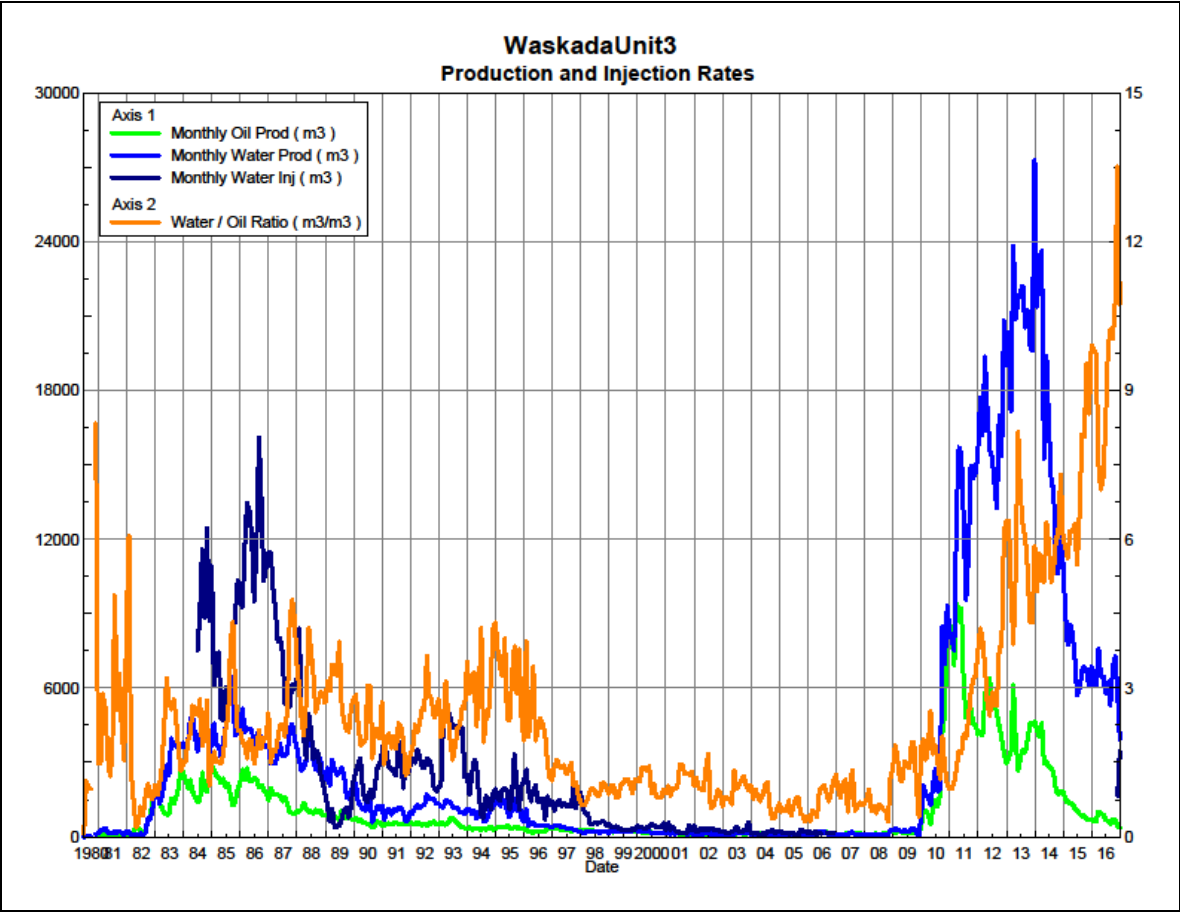


TABLE NO. 1: WASKADA UNIT NO. 3 WELL SUMMARY

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>On Prod Date</i>	<i>Cum Prd Oil (m3)</i>	<i>Cum Prd Water (m3)</i>	<i>Last Prod Date</i>	<i>Cum Inj Water (m3)</i>	<i>Last Inj Date</i>
100/02-30-001-25W1/0	Vertical	Abandoned	10/1/1982	1324.2	2664.2	7/31/1989	0.0	
102/02-30-001-25W1/0	Horizontal	Producing	12/1/2011	5856.8	13936.7	12/31/2016	0.0	
103/02-30-001-25W1/0	Horizontal	Abandoned Zone	1/1/2012	50.2	13617.3	12/31/2014	0.0	
102/04-30-001-25W1/0	Vertical	Abandoned	12/1/1982	6964.4	34069.5	6/30/1990	0.0	
100/05-30-001-25W1/2	Vertical	Abandoned	12/1/1980	570.4	1304.8	6/30/1984	97111.1	10/31/1998
102/05-30-001-25W1/0	Horizontal	Producing	9/1/2013	3662.3	6651.7	12/31/2016	0.0	
103/05-30-001-25W1/0	Horizontal	Producing	9/1/2013	2900.3	6216.8	12/31/2016	0.0	
104/05-30-001-25W1/0	Horizontal	Producing	9/1/2013	3872.5	3913.8	12/31/2016	0.0	
102/07-30-001-25W1/0	Vertical	Abandoned	12/1/1985	4182.2	2452.3	11/30/1987	20475.2	7/31/2003
100/08-30-001-25W1/2	Vertical	Abandoned	9/1/1983	4571	14854.7	6/30/1996	0.0	
100/09-30-001-25W1/0	Vertical	Abandoned Zone	3/1/1982	1144.4	1518	4/30/1989	0.0	
100/11-30-001-25W1/2	Vertical	Abandoned	6/1/1980	2181.8	5444.4	11/30/1984	0.0	
102/11-30-001-25W1/2	Vertical	Abandoned	11/1/1985	5783	37156.9	10/31/1997	0.0	
102/12-30-001-25W1/0	Vertical	Abandoned	12/1/1983	8747.2	10697.9	7/31/1994	0.0	
100/13-30-001-25W1/0	Vertical	Injection	8/1/1982	771.5	1351.5	5/31/1984	62196.9	10/31/2006
102/13-30-001-25W1/0	Horizontal	Producing	9/1/2013	651.2	4100.5	12/31/2016	0.0	
103/13-30-001-25W1/0	Horizontal	Producing	9/1/2013	1513.1	7529.2	12/31/2016	0.0	
104/13-30-001-25W1/0	Horizontal	Producing	9/1/2013	3957.8	10452.4	12/31/2016	0.0	
100/14-30-001-25W1/0	Vertical	Abandoned	9/1/1982	2876.9	6788.7	8/31/1990	0.0	
100/15-30-001-25W1/0	Vertical	Abandoned	9/1/1982	1773.3	7389.7	5/31/1984	86517.9	11/30/2006
100/16-30-001-25W1/0	Vertical	Abandoned	9/1/1982	3054.3	3615	12/31/1991	0.0	
102/16-30-001-25W1/0	Horizontal	Producing	10/1/2012	1841.7	31968.4	1/31/2017	0.0	
103/16-30-001-25W1/0	Horizontal	Producing	10/1/2012	860.7	46775.2	12/31/2016	0.0	
104/16-30-001-25W1/0	Horizontal	Producing	10/1/2012	2375.2	23490.8	12/31/2016	0.0	
105/16-30-001-25W1/0	Horizontal	Producing	11/1/2012	1744.5	21153.6	12/31/2016	0.0	
100/01-31-001-25W1/0	Vertical	Abandoned	7/1/1983	5057	33880.4	9/30/1990	0.0	
102/01-31-001-25W1/0	Horizontal	Producing	7/1/2010	4225.5	49323.9	12/31/2016	0.0	
100/02-31-001-25W1/0	Vertical	Abandoned	10/1/1982	3540	18477.5	10/31/1990	0.0	
100/03-31-001-25W1/0	Vertical	Abandoned	3/1/1982	2827.5	2333.9	8/31/1990	0.0	
102/04-31-001-25W1/0	Vertical	Abandoned	8/1/1982	1960.2	2800.5	10/31/1989	0.0	
103/04-31-001-25W1/0	Horizontal	Producing	12/1/2009	12158.3	10638	12/31/2016	0.0	
104/04-31-001-25W1/0	Horizontal	Producing	12/1/2009	2029.3	14027	12/31/2016	0.0	
105/04-31-001-25W1/0	Horizontal	Producing	3/1/2013	4039.1	6463.6	12/31/2016	0.0	
106/04-31-001-25W1/0	Horizontal	Injection	3/1/2013	2038.9	8087.7	10/31/2016	943.4	12/31/2016
100/05-31-001-25W1/0	Vertical	Abandoned	6/1/1983	778	321.2	5/31/1984	57646.5	2/28/1998
102/05-31-001-25W1/0	Horizontal	Injection	3/1/2013	2859.1	8022.5	10/31/2016	943.4	12/31/2016
103/05-31-001-25W1/0	Horizontal	Producing	3/1/2013	2202.4	5013.3	12/31/2016	0.0	
100/06-31-001-25W1/0	Vertical	Abandoned	9/1/1982	3196.6	13522	8/31/1990	0.0	
100/07-31-001-25W1/0	Vertical	Abandoned	7/1/1983	1360.5	1280.3	5/31/1984	59195.5	4/30/1992
100/08-31-001-25W1/0	Vertical	Abandoned	7/1/1983	5573.3	22602.9	7/31/1990	0.0	
102/08-31-001-25W1/0	Horizontal	Producing	8/1/2010	6065.4	39032.3	12/31/2016	0.0	
103/08-31-001-25W1/0	Horizontal	Producing	1/1/2013	1083.9	7153.2	5/31/2016	0.0	
104/08-31-001-25W1/0	Horizontal	Injection	1/1/2013	1415.9	13666.6	10/31/2016	941.8	12/31/2016
100/09-31-001-25W1/0	Vertical	Abandoned	9/1/1984	9678.6	29078.6	7/31/1990	0.0	
102/09-31-001-25W1/0	Horizontal	Suspended	8/1/2010	5724.9	24506.9	4/30/2015	0.0	
103/09-31-001-25W1/0	Horizontal	Producing	2/1/2013	1741.3	6899.8	12/31/2016	0.0	
104/09-31-001-25W1/0	Horizontal	Injection	1/1/2013	1876.9	10801.4	10/31/2016	946.7	12/31/2016
100/10-31-001-25W1/0	Vertical	Abandoned	11/1/1984	565.9	1946.5	10/31/1990	0.0	
100/11-31-001-25W1/0	Vertical	Abandoned	12/1/1982	2393.3	4836.2	6/30/1990	0.0	
100/12-31-001-25W1/2	Vertical	Abandoned	7/1/1984	4256.0	16750.5	9/30/1991	0.0	
102/12-31-001-25W1/0	Horizontal	Producing	9/1/2010	7448.9	24392.2	12/31/2016	0.0	
103/12-31-001-25W1/0	Horizontal	Injection	8/1/2013	343.2	4088.5	10/31/2016	942.3	12/31/2016
104/12-31-001-25W1/0	Horizontal	Producing	3/1/2013	852.1	2501.7	12/31/2016	0.0	
100/13-31-001-25W1/0	Vertical	Abandoned	3/1/1983	513.0	572.0	8/31/1985	41892.5	2/28/1998
102/13-31-001-25W1/0	Horizontal	Producing	10/1/2010	2403.4	14110.2	3/31/2016	0.0	
103/13-31-001-25W1/0	Horizontal	Producing	8/1/2013	1361.7	2421.0	12/31/2016	0.0	
104/13-31-001-25W1/0	Horizontal	Suspended	8/1/2013	755.8	2250.8	7/31/2015	0.0	
100/14-31-001-25W1/0	Vertical	Abandoned	9/1/1983	827.3	3049.6	5/31/1990	0.0	
100/15-31-001-25W1/0	Vertical	Abandoned	11/1/1984	1028.4	1661.5	9/30/1985	20126.3	2/28/1998
100/16-31-001-25W1/0	Vertical	Abandoned	10/1/1984	1739.6	2802.2	5/31/1989	0.0	
102/16-31-001-25W1/0	Horizontal	Suspended	9/1/2010	4759.4	16235.7	4/30/2014	0.0	
103/16-31-001-25W1/0	Horizontal	Producing	2/1/2013	2677.2	8773.7	9/30/2016	0.0	
104/16-31-001-25W1/0	Horizontal	Suspended	2/1/2013	1437.4	9169.7	12/31/2015	0.0	
100/11-32-001-25W1/0	Vertical	Producing	9/1/1984	7782.3	21560.8	6/30/2013	0.0	
100/12-32-001-25W1/0	Vertical	Producing	11/1/1984	5623.9	2942.8	6/30/2013	0.0	
100/13-32-001-25W1/0	Vertical	Injection	11/1/1984	695.1	697.4	9/30/1985	60098.7	4/30/1999
102/13-32-001-25W1/0	Horizontal	Suspended	2/1/2012	9171.9	56849.8	12/31/2016	0.0	

100/14-32-001-25W1/0	Vertical	Abandoned	10/1/1982	4594.8	13367.4	9/30/1997	0.0	
103/01-27-001-26W1/0	Horizontal	Producing	9/1/2010	6739.6	29147.0	12/31/2016	0.0	
104/01-36-001-26W1/0	Horizontal	Producing	10/1/2012	3759.3	5615.1	12/31/2016	0.0	
100/04-36-001-26W1/0	Vertical	Abandoned	2/1/1986	2429.8	697.6	2/29/1996	0.0	
102/04-36-001-26W1/0	Horizontal	Producing	9/1/2010	9595.2	4180.3	11/30/2014	0.0	
103/04-36-001-26W1/0	Horizontal	Producing	3/1/2011	7407.5	3072.3	9/30/2014	0.0	
100/05-36-001-26W1/0	Vertical	Injection	10/1/1983	3814.4	520.6	11/30/1986	22659.9	6/30/2005
100/06-36-001-26W1/0	Vertical	Producing	7/1/1985	5583.3	1470.1	7/31/2013	0.0	
100/07-36-001-26W1/0	Vertical	Injection	12/1/1985	839.3	137.4	10/31/1986	51991.8	5/31/2004
100/08-36-001-26W1/0	Vertical	Abandoned	7/1/1984	4915.4	17331.8	3/31/2003	0.0	
102/08-36-001-26W1/0	Horizontal	Producing	7/1/2010	8716.2	10782.7	11/30/2016	128.9	12/31/2016
103/08-36-001-26W1/0	Horizontal	Suspended	3/1/2011	1386.1	5774.0	8/31/2015	0.0	
104/08-36-001-26W1/0	Horizontal	Producing	3/1/2011	1062.7	5199.6	6/30/2016	0.0	
100/09-36-001-26W1/2	Vertical	Abandoned	2/1/1984	6635.9	31124.0	11/30/1995	0.0	
102/09-36-001-26W1/0	Horizontal	Producing	9/1/2010	9341.8	7175.8	12/31/2016	0.0	
103/09-36-001-26W1/0	Horizontal	Suspended	3/1/2011	2796.7	4550.9	12/31/2015	0.0	
104/09-36-001-26W1/0	Horizontal	Producing	3/1/2011	3262.7	11156.8	12/31/2016	0.0	
105/09-36-001-26W1/0	Horizontal	Producing	3/1/2011	3542.0	4565.1	11/30/2016	125.1	12/31/2016
100/10-36-001-26W1/0	Vertical	Producing	7/1/1984	6738.8	1141.5	3/31/2011	0.0	
100/11-36-001-26W1/0	Vertical	Producing	9/1/1983	7082.9	1420.6	11/30/2013	0.0	
100/13-36-001-26W1/0	Vertical	Injection	10/1/1983	2604.7	445.0	9/30/1985	33783.4	11/30/2005
100/14-36-001-26W1/0	Vertical	Producing	11/1/1983	6251.5	1198.9	3/31/2012	0.0	
102/14-36-001-26W1/0	Horizontal	Producing	11/1/2010	11144.5	3839.6	12/31/2016	0.0	
103/14-36-001-26W1/0	Horizontal	Producing	10/1/2010	7185.6	3796.7	12/31/2016	0.0	
100/15-36-001-26W1/0	Vertical	Injection	7/1/1984	1272.1	355.8	9/30/1985	51994.3	1/31/2006
100/16-36-001-26W1/0	Vertical	Abandoned	8/1/1985	613.3	511.2	1/31/1989	0.0	
102/16-36-001-26W1/0	Horizontal	Producing	5/1/2010	5741.5	12108.1	6/30/2013	0.0	
103/16-36-001-26W1/0	Horizontal	Producing	11/1/2010	10019.1	4713.3	9/30/2016	125.8	12/31/2016
104/16-36-001-26W1/0	Horizontal	Producing	2/1/2013	3285.6	2783.1	12/31/2016	0.0	
100/01-05-002-25W1/0	Vertical	Suspended	1/1/1985	7128.2	14931.8	10/31/2009	0.0	
102/01-05-002-25W1/0	Horizontal	Producing	2/1/2011	289.3	13412.6	6/30/2012	0.0	
103/01-05-002-25W1/0	Horizontal	Suspended	2/1/2011	12628.2	69653.1	10/31/2015	0.0	
104/01-05-002-25W1/0	Horizontal	Producing	2/1/2011	8325.3	53099.5	11/30/2016	0.0	
100/02-05-002-25W1/0	Vertical	Producing	1/1/1985	9137.3	1696.2	9/30/2011	0.0	
100/03-05-002-25W1/0	Vertical	Producing	11/1/1982	5966.0	2217.3	1/31/2012	0.0	
100/04-05-002-25W1/0	Vertical	Producing	10/1/1985	7484.8	13819.8	1/31/2012	0.0	
102/04-05-002-25W1/0	Horizontal	Producing	2/1/2012	5763.4	7947.4	1/31/2017	0.0	
103/04-05-002-25W1/0	Horizontal	Producing	2/1/2012	7846.1	49101.6	12/31/2016	0.0	
104/04-05-002-25W1/0	Horizontal	Producing	2/1/2012	6455.4	30839.8	3/31/2016	0.0	
100/07-05-002-25W1/0	Vertical	Abandoned	12/1/1984	1193.6	1193.1	7/31/1986	35948.8	3/31/1994
100/08-05-002-25W1/0	Vertical	Producing	12/1/1984	19195.5	3535.3	5/31/2016	0.0	
102/08-05-002-25W1/0	Horizontal	Producing	2/1/2011	6337.5	44124.8	1/31/2015	0.0	
103/08-05-002-25W1/0	Horizontal	Producing	2/1/2011	7633.5	44519.2	12/31/2016	0.0	
104/08-05-002-25W1/0	Horizontal	Producing	2/1/2011	10927.8	45066.6	12/31/2016	0.0	
				475973.5	1428000.7			
							706736.2	

TABLE NO. 2 - VRR Calculations

Date	Mth Oil Prod m3	Cum Oil Prod Km3	Mth Water Prod m3	Cum Water Prod Km3	Water Oil Ratio m3/m3	Mth Water Inj m3	Cum Water Inj Km3	VRR	Cum VRR
12/31/1980	183	0.183	315	0.315	1.72		0.000	0.000	0.000
12/31/1981	1124	1.307	2500	2.815	2.22		0.000	0.000	0.000
12/31/1982	6379	7.685	5322	8.137	0.83		0.000	0.000	0.000
12/31/1983	19167	26.852	34598	42.735	1.81		0.000	0.000	0.000
12/31/1984	24582	51.434	49131	91.866	2.00	68953	68.953	0.891	0.457
12/31/1985	24638	76.072	53585	145.452	2.17	85890	154.843	1.048	0.665
12/31/1986	26265	102.338	49175	194.627	1.87	143288	298.131	1.805	0.955
12/31/1987	17020	119.358	42395	237.022	2.49	88310	386.441	1.425	1.032
12/31/1988	12535	131.893	36320	273.342	2.90	46449	432.890	0.916	1.019
12/31/1989	9713	141.606	28005	301.346	2.88	11519	444.409	0.294	0.957
12/31/1990	6630	148.236	15180	316.527	2.29	27898	472.307	1.223	0.970
12/31/1991	6384	154.620	11631	328.158	1.82	35537	507.843	1.873	1.004
12/31/1992	6335	160.955	16071	344.229	2.54	33244	541.087	1.423	1.022
12/31/1993	6308	167.262	14199	358.428	2.25	48126	589.214	2.243	1.070
12/31/1994	3922	171.184	11965	370.393	3.05	21512	610.726	1.306	1.077
12/31/1995	4424	175.608	13839	384.232	3.13	22294	633.020	1.178	1.080
12/31/1996	2925	178.533	6174	390.406	2.11	19503	652.523	2.045	1.095
12/31/1997	3315	181.849	4165	394.571	1.26	16774	669.296	2.103	1.109
12/31/1998	2782	184.631	2406	396.976	0.86	7958	677.254	1.420	1.112
12/31/1999	2628	187.259	2651	399.628	1.01	4079	681.333	0.719	1.108
12/31/2000	1996	189.255	2140	401.768	1.07	4886	686.219	1.102	1.108
12/31/2001	1400	190.655	1589	403.356	1.13	3538	689.757	1.106	1.108
12/31/2002	1511	192.166	1419	404.775	0.94	3284	693.041	1.040	1.108
12/31/2003	1476	193.642	1445	406.220	0.98	3172	696.213	1.009	1.107
12/31/2004	1620	195.262	1145	407.365	0.71	1967	698.179	0.654	1.105
12/31/2005	1717	196.979	921	408.286	0.54	1944	700.124	0.671	1.103
12/31/2006	1788	198.767	1442	409.728	0.81	1515	701.639	0.433	1.099
12/31/2007	1541	200.307	1268	410.996	0.82		701.639	0.000	1.094
12/31/2008	1636	201.943	1245	412.241	0.76		701.639	0.000	1.089
12/31/2009	2290	204.233	3461	415.702	1.51		701.639	0.000	1.078
12/31/2010	35612	239.845	48282	463.984	1.36		701.639	0.000	0.948
12/31/2011	76913	316.759	153099	617.083	1.99		701.639	0.000	0.715
12/31/2012	57099	373.858	201016	818.099	3.52		701.639	0.000	0.562
12/31/2013	47130	420.988	256619	1074.718	5.44		701.639	0.000	0.450
12/31/2014	34408	455.396	193887	1268.605	5.63		701.639	0.000	0.391
12/31/2015	12504	467.901	85481	1354.085	6.84		701.639	0.000	0.371
12/31/2016	8073	475.974	73916	1428.001	9.16	5097	706.736	0.061	0.358

TABLE NO. 3

**Tundra Oil and Gas
Waskada Unit No. 3
2016 Injection Volumes**

Well Location	Date	Hours On	H ₂ O Inj Cal-d avg (m ³ /d)	Monthly Injected H ₂ O (m ³)
Unit No. 3 Total:				
	Jan-16	0	0.0	0.00
	Feb-16	0	0.0	0.00
	Mar-16	0	0.0	0.00
	Apr-16	0	0.0	0.00
	May-16	0	0.0	0.00
	Jun-16	0	0.0	0.00
	Jul-16	0	0.0	0.00
	Aug-16	0	0.0	0.00
	Sep-16	0	0.0	0.00
	Oct-16	0	0.0	0.00
	Nov-16	0	54.8	1643.90
	Dec-16	0	111.4	3453.50
2016 Group Totals:				5097.40
Unit No. 3 Total:				
	1980	0	0	0.00
	1981	0	0	0.00
	1982	0	0	0.00
	1983	0	0	0.00
	1984	0	321.6	68,952.70
	1985	0	235.6	85,890.10
	1986	0	392.75	143,288.40
	1987	0	242.66	88,310.10
	1988	0	126.99	46,448.90
	1989	0	31.43	11,518.90
	1990	0	76.57	27,897.50
	1991	0	97.38	35,536.50
	1992	0	90.9	33,244.20
	1993	0	132.2	48,126.40
	1994	0	59.2	21,512.20
	1995	0	61.0	22,294.20
	1996	0	53.2	19,502.70
	1997	0	46.0	16,773.60
	1998	0	21.9	7,957.50
	1999	0	11.2	4,078.90
	2000	0	13.4	4,886.40
	2001	0	9.7	3,537.50
	2002	0	9.0	3,284.40
	2003	0	8.7	3,171.60
	2004	0	5.4	1,966.70
	2005	0	5.3	1,944.40
	2006	0	5.0	1,515.00
	2007	0	0.0	0.00
	2008	0	0.0	0.00
	2009	0	0.0	0.00
	2010	0	0.0	0.00
	2011	0	0.0	0.00
	2012	0	0.0	0.00
	2013	0	0.0	0.00
	2014	0	0.0	0.00
	2015	0	0.0	0.00
	2016	0	83.1	5,097.40
Group Totals:				706,736.20

TABLE NO. 4

**Tundra Oil and Gas
Waskada Unit No. 3
2016 Production Volumes**

Date	Hours On	Oil Rate (CD) m3/d	Monthly Oil Prod m3	Water Rate (CD) m3/d	Monthly Water Prod m3	Water Oil Ratio m3/m3	Well Count
Jan-16	25,512	20.07	622	197	6,120	10	34
Feb-16	24,840	21.53	624	210	6,078	10	36
Mar-16	29,880	32.58	1,010	245	7,591	8	40
Apr-16	28,512	30.76	923	215	6,462	7	40
May-16	29,808	28.83	894	209	6,464	7	40
Jun-16	28,752	23.07	692	193	5,788	8	40
Jul-16	29,880	20.52	636	201	6,244	10	40
Aug-16	27,120	16.76	520	171	5,313	10	36
Sep-16	27,936	22.77	683	229	6,860	10	39
Oct-16	27,384	21.74	674	234	7,269	11	37
Nov-16	24,408	14.33	430	194	5,809	14	34
Dec-16	20,136	11.76	365	126	3,916	11	27
	324,168		8,073		73,916		

Date	Hours On	Oil Rate (CD) m3/d	Monthly Oil Prod m3	Water Rate (CD) m3/d	Monthly Water Prod m3	Water Oil Ratio m3/m3	Well Count
31/12/1980	4320	1.00	183	1.72	315	2.16	1
31/12/1981	17088	3.08	1,124	6.87	2500	2.52	2
31/12/1982	45384	17.41	6,379	14.51	5322	1.18	5
31/12/1983	160512	52.46	19,167	94.47	34598	1.98	18
31/12/1984	228384	67.14	24,582	134.11	49131	2.09	26
31/12/1985	287352	67.61	24,638	146.67	53585	2.33	33
31/12/1986	310050	72.03	26,265	134.78	49175	1.90	35
31/12/1987	272109	46.69	17,020	116.16	42395	2.76	31
31/12/1988	250992	34.26	12,535	99.22	36320	2.93	29
31/12/1989	221592	26.58	9,713	76.68	28005	2.90	25
31/12/1990	178752	18.19	6,630	41.64	15180	2.28	20
31/12/1991	152520	17.51	6,384	31.90	11631	1.82	17
31/12/1992	151368	17.31	6,335	43.89	16071	2.56	17
31/12/1993	144720	17.30	6,308	38.92	14199	2.36	17
31/12/1994	136728	10.74	3,922	32.79	11965	3.07	16
31/12/1995	134232	12.12	4,424	37.93	13839	3.11	15
31/12/1996	103152	7.99	2,925	16.85	6174	2.21	12
31/12/1997	104880	9.10	3,315	11.44	4165	1.25	12
31/12/1998	90312	7.63	2,782	6.59	2406	0.88	10
31/12/1999	82272	7.20	2,628	7.26	2651	1.02	9
31/12/2000	66744	5.46	1,996	5.86	2140	1.07	8
31/12/2001	57096	3.84	1,400	4.35	1589	1.16	7
31/12/2002	61368	4.14	1,511	3.89	1419	0.96	7
31/12/2003	64224	4.05	1,476	3.96	1445	0.98	7
31/12/2004	72720	4.42	1,620	3.13	1145	0.74	8
31/12/2005	65304	4.71	1,717	2.53	921	0.55	8
31/12/2006	72703	4.89	1,788	3.93	1442	0.80	8
31/12/2007	76,496	4.22	1,541	3.47	1268	0.84	9
31/12/2008	74,375	4.46	1,636	3.40	1245	0.71	9
31/12/2009	75,816	6.26	2,290	9.46	3461	1.43	9
31/12/2010	112,692	97.37	35,612	132.23	48282	1.62	13
31/12/2011	224,110	210.99	76,913	418.94	153099	2.20	26
31/12/2012	270,493	156.00	57,099	549.67	201016	3.76	31
31/12/2013	399,501	129.08	47,130	702.28	256619	5.66	46
31/12/2014	431,500	94.51	34,408	532.92	193887	5.77	49
31/12/2015	368,077	34.36	12,504	234.42	85481	7.19	42

31/12/2016	324,168	22.06	8,073	202.06	73916	9.56	37
	5,894,106		475,974		1,428,001		

Appendix B

Average Monthly Injection Pressure (kPag)

Month	Injection Pressure							
	100/13-30	102/05-31	102/08-36	103/12-31	103/16-36	104/08-31	104/09-31	105/09-36
Jul-06	1200	0	0	0	0	0	0	0
Aug-06	2581	0	0	0	0	0	0	0
Sep-06	2310	0	0	0	0	0	0	0
Oct-06	2745	0	0	0	0	0	0	0
Nov-06	5467	0	0	0	0	0	0	0
Dec-06	2548	0	0	0	0	0	0	0
Jan-07	2400	0	0	0	0	0	0	0
Feb-07	2400	0	0	0	0	0	0	0
Mar-07	2400	0	0	0	0	0	0	0
Apr-07	2400	0	0	0	0	0	0	0
May-07	2400	0	0	0	0	0	0	0
Jun-07	2400	0	0	0	0	0	0	0
Jul-07	2400	0	0	0	0	0	0	0
Aug-07	2400	0	0	0	0	0	0	0
Sep-07	2400	0	0	0	0	0	0	0
Oct-07	2400	0	0	0	0	0	0	0
Nov-07	2400	0	0	0	0	0	0	0
Dec-07	2400	0	0	0	0	0	0	0
Jan-08	2400	0	0	0	0	0	0	0
Feb-08	2400	0	0	0	0	0	0	0
Mar-08	2400	0	0	0	0	0	0	0
Apr-08	2400	0	0	0	0	0	0	0
May-08	2400	0	0	0	0	0	0	0
Jun-08	2400	0	0	0	0	0	0	0
Jul-08	2400	0	0	0	0	0	0	0
Aug-08	2400	0	0	0	0	0	0	0
Sep-08	2400	0	0	0	0	0	0	0
Oct-08	2400	0	0	0	0	0	0	0
Nov-08	2400	0	0	0	0	0	0	0
Dec-08	2400	0	0	0	0	0	0	0
Jan-09	2400	0	0	0	0	0	0	0
Feb-09	2400	0	0	0	0	0	0	0
Mar-09	2400	0	0	0	0	0	0	0
Apr-09	2400	0	0	0	0	0	0	0
May-09	2400	0	0	0	0	0	0	0
Jun-09	2400	0	0	0	0	0	0	0
Jul-09	2400	0	0	0	0	0	0	0
Aug-09	2400	0	0	0	0	0	0	0
Sep-09	2400	0	0	0	0	0	0	0
Oct-09	2400	0	0	0	0	0	0	0
Nov-09	2400	0	0	0	0	0	0	0
Dec-09	2400	0	0	0	0	0	0	0
Jan-10	2400	0	0	0	0	0	0	0
Feb-10	2400	0	0	0	0	0	0	0
Mar-10	2400	0	0	0	0	0	0	0
Apr-10	2400	0	0	0	0	0	0	0
May-10	2400	0	0	0	0	0	0	0
Jun-10	2400	0	0	0	0	0	0	0
Jul-10	2400	0	0	0	0	0	0	0
Aug-10	2400	0	0	0	0	0	0	0
Sep-10	2400	0	0	0	0	0	0	0
Oct-10	2400	0	0	0	0	0	0	0
Nov-10	2400	0	0	0	0	0	0	0
Dec-10	2400	0	0	0	0	0	0	0

Month	Injection Pressure							
	100/13-30	102/05-31	102/08-36	103/12-31	103/16-36	104/08-31	104/09-31	105/09-36
Jan-11	2400	0	0	0	0	0	0	0
Feb-11	2400	0	0	0	0	0	0	0
Mar-11	2400	0	0	0	0	0	0	0
Apr-11	2400	0	0	0	0	0	0	0
May-11	2400	0	0	0	0	0	0	0
Jun-11	2400	0	0	0	0	0	0	0
Jul-11	2400	0	0	0	0	0	0	0
Aug-11	2400	0	0	0	0	0	0	0
Sep-11	2400	0	0	0	0	0	0	0
Oct-11	2400	0	0	0	0	0	0	0
Nov-11	2400	0	0	0	0	0	0	0
Dec-11	2400	0	0	0	0	0	0	0
Jan-12	2400	0	0	0	0	0	0	0
Feb-12	2400	0	0	0	0	0	0	0
Mar-12	2400	0	0	0	0	0	0	0
Apr-12	2400	0	0	0	0	0	0	0
May-12	2400	0	0	0	0	0	0	0
Jun-12	2400	0	0	0	0	0	0	0
Jul-12	2400	0	0	0	0	0	0	0
Aug-12	2400	0	0	0	0	0	0	0
Sep-12	2400	0	0	0	0	0	0	0
Oct-12	2400	0	0	0	0	0	0	0
Nov-12	2400	0	0	0	0	0	0	0
Dec-12	2400	0	0	0	0	0	0	0
Jan-13	2400	0	0	0	0	0	0	0
Feb-13	2400	0	0	0	0	0	0	0
Mar-13	2400	0	0	0	0	0	0	0
Apr-13	2400	0	0	0	0	0	0	0
May-13	2400	0	0	0	0	0	0	0
Jun-13	2400	0	0	0	0	0	0	0
Jul-13	2400	0	0	0	0	0	0	0
Aug-13	2400	0	0	0	0	0	0	0
Sep-13	2400	0	0	0	0	0	0	0
Oct-13	2400	0	0	0	0	0	0	0
Nov-13	2400	0	0	0	0	0	0	0
Dec-13	2400	0	0	0	0	0	0	0
Jan-14	2400	0	0	0	0	0	0	0
Feb-14	2400	0	0	0	0	0	0	0
Mar-14	889	0	0	0	0	0	0	0
Apr-14	0	0	0	0	0	0	0	0
May-14	0	0	0	0	0	0	0	0
Jun-14	0	0	0	0	0	0	0	0
Jul-14	0	0	0	0	0	0	0	0
Aug-14	0	0	0	0	0	0	0	0
Sep-14	0	0	0	0	0	0	0	0
Oct-14	0	0	0	0	0	0	0	0
Nov-14	0	0	0	0	0	0	0	0
Dec-14	0	0	0	0	0	0	0	0
Jan-15	0	0	0	0	0	0	0	0
Feb-15	0	0	0	0	0	0	0	0
Mar-15	0	0	0	0	0	0	0	0
Apr-15	0	0	0	0	0	0	0	0
May-15	0	0	0	0	0	0	0	0
Jun-15	0	0	0	0	0	0	0	0

Month	Injection Pressure							
	100/13-30	102/05-31	102/08-36	103/12-31	103/16-36	104/08-31	104/09-31	105/09-36
Jul-15	0	0	0	0	0	0	0	0
Aug-15	0	0	0	0	0	0	0	0
Sep-15	0	0	0	0	0	0	0	0
Oct-15	0	0	0	0	0	0	0	0
Nov-15	0	0	0	0	0	0	0	0
Dec-15	0	0	0	0	0	0	0	0
Jan-16	0	0	0	0	0	0	0	0
Feb-16	0	0	0	0	0	0	0	0
Mar-16	0	0	0	0	0	0	0	0
Apr-16	0	0	0	0	0	0	0	0
May-16	0	0	0	0	0	0	0	0
Jun-16	0	0	0	0	0	0	0	0
Jul-16	0	0	0	0	0	0	0	0
Aug-16	0	0	0	0	0	0	0	0
Sep-16	0	0	0	0	0	0	0	0
Oct-16	0	0	0	0	0	0	0	0
Nov-16	0	264	0	235	0	215	252	0
Dec-16	0	-40	-2	-38	74	20	-29	-18