

Sinclair Unit No. 2

Waterflood Progress Report 2019

January 1st through December 31st 2019

Prepared for:

Manitoba Industry, Economic Development and Mines

Petroleum Branch

Prepared by:

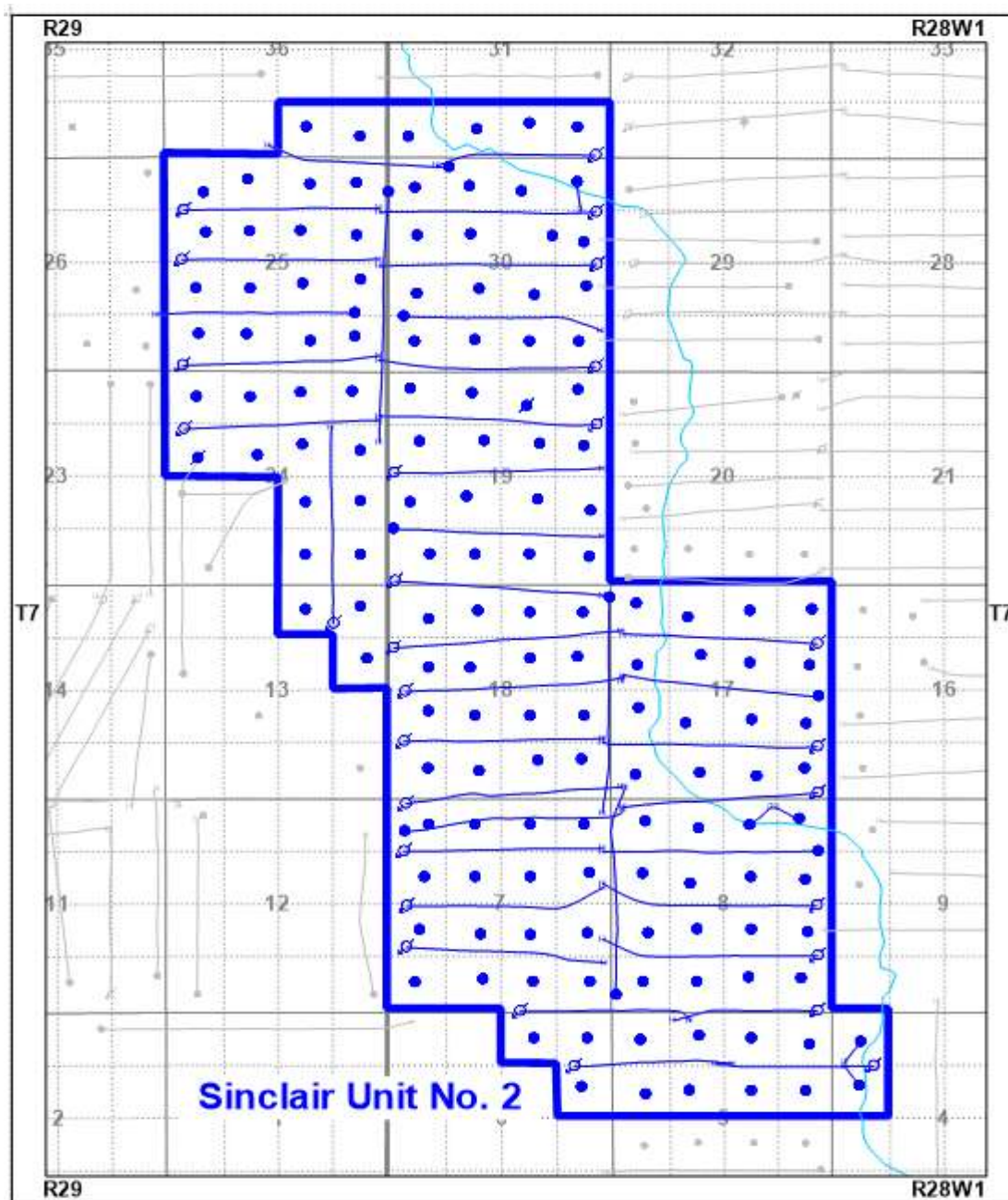
Tundra Oil and Gas

June 11, 2020

INTRODUCTION

Sinclair Unit No. 2 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Waterflood Order No. 17 effective January 1, 2010 with Tundra Oil and Gas (Tundra) as Operator. The EOR project area contains 155 producing wells, 2 suspended wells and 27 injection wells in just over 9 sections in Township 7, Ranges 28 and 29 W1 as shown in the figure below.

Figure 1: Sinclair Unit No. 2 Area Outline



Sinclair Unit No. 2

Tundra Oil and Gas (Tundra), as the operator of the Sinclair Unit No. 2 Enhanced Oil Recovery (EOR) project hereby submits the 2019 EOR report as per section 73 of the Drilling and Production Regulations.

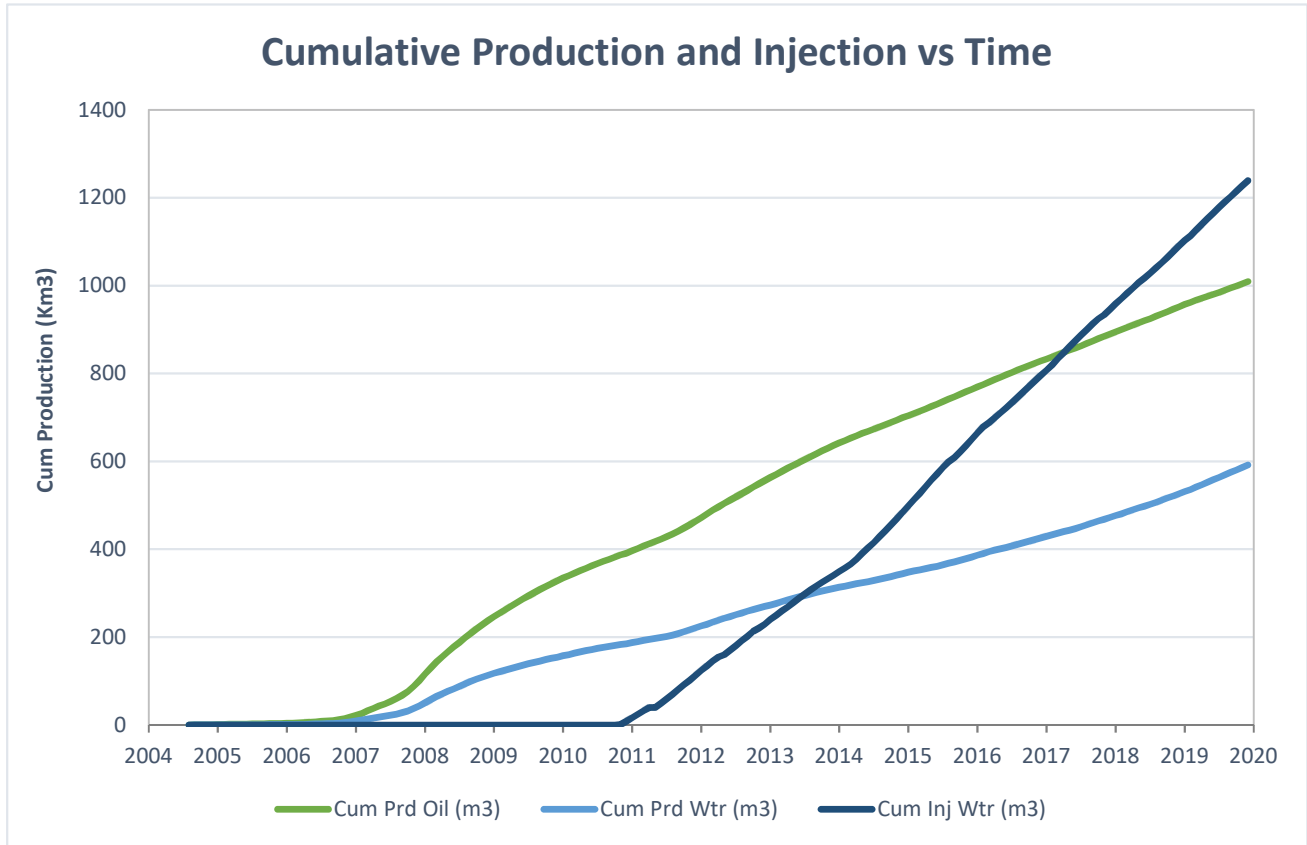
a) Monthly oil and water production rates, injection rate, GOR and WOR

MONTH	Cal Dly Oil m ³ /day	Cal Dly Wtr m ³ /day	Cal Inj Wtr m ³ /day	WOR m ³ /m ³	GOR m ³ /m ³
Jan-2019	176.43	162.13	396.06	0.92	0
Feb-2019	163.45	170.30	370.46	1.04	0
Mar-2019	153.12	173.95	421.42	1.14	0
Apr-2019	147.22	173.85	438.73	1.18	0
May-2019	148.09	185.53	425.10	1.25	0
Jun-2019	143.84	196.32	402.00	1.36	0
Jul-2019	147.41	173.09	419.16	1.17	0
Aug-2019	158.51	183.09	385.68	1.16	0
Sep-2019	162.78	189.29	404.73	1.16	0
Oct-2019	161.22	178.71	404.68	1.11	0
Nov-2019	161.31	181.76	397.53	1.13	0
Dec-2019	159.95	193.23	394.65	1.21	0

b) Cumulative volume of oil, gas and water produced and fluid injected

2019 PRODUCTION	
Produced Oil (m ³)	57,278
Produced Gas (m ³)	0
Produced Water (m ³)	65,746
Fluid Injected (m ³)	148,215
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	1,009,127
Produced Water (m ³)	591,784

Sinclair Unit No. 2



c) Monthly wellhead injection pressure for each injection well

	02/12-18 Inj		02/04-19 Inj		02/09-30 Inj		03/16-19 Inj		02/05-18 Inj		03/01-17 Inj	
MONTH	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)
Jan-2019	682.0	6568	506.0	6571	187.0	2102	382.0	3346	332.0	6526	682.0	6061
Feb-2019	589.0	6557	450.0	6524	0.0	2110	357.0	4011	296.0	6557	638.0	6247
Mar-2019	616.0	6553	492.0	6525	536.0	2161	369.0	4347	308.0	6508	657.0	6212
Apr-2019	578.0	6540	465.0	6573	848.0	3985	372.0	4344	283.0	6415	612.0	6087
May-2019	570.0	6473	463.0	6460	834.0	4563	375.0	4386	288.0	6359	576.0	5996
Jun-2019	550.0	6394	449.0	6371	733.0	4516	343.0	4362	283.0	6341	473.0	5390
Jul-2019	587.0	6453	480.0	6434	783.0	4909	385.0	4616	312.0	6365	587.0	5716
Aug-2019	572.0	6483	462.0	6479	737.0	4984	388.0	4677	292.0	6384	542.0	5620
Sep-2019	587.0	6534	455.0	6530	740.0	5176	381.0	4737	302.0	6520	536.0	5644
Oct-2019	606.0	6557	469.0	6560	727.0	5131	395.0	4811	306.0	6601	551.0	5605
Nov-2019	582.0	6551	448.0	6552	694.0	5088	380.0	4890	293.0	6529	297.0	4898
Dec-2019	592.0	6549	452.0	6548	699.0	5164	381.0	4966	290.0	6473	564.0	5245
Total	7111.0		5591.0		7518.0		4508.0		3585.0		6715.0	
Avg Inj P		6518		6511		4157		4458		6465		5727

	02/09-17 Inj		02/01-17 Inj		02/12-19 Inj		02/08-30 Inj		02/13-07 Inj		03/08-08 Inj	
MONTH	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)
Jan-2019	1534.0	6117	605.0	6511	371.0	6565	652.0	6531	499.0	6303	450.0	6158
Feb-2019	1376.0	6134	548.0	6549	332.0	6568	600.0	6562	463.0	6577	425.0	6319
Mar-2019	1527.0	6159	572.0	6490	358.0	6536	625.0	6566	425.0	6310	416.0	6166
Apr-2019	1408.0	6094	520.0	6370	335.0	6484	574.0	6564	390.0	6220	383.0	5978
May-2019	1403.0	6008	539.0	6284	345.0	6502	561.0	6529	402.0	6136	390.0	5951
Jun-2019	1117.0	5702	535.0	6208	345.0	6478	522.0	6502	391.0	6113	380.0	5840
Jul-2019	1279.0	5948	590.0	6311	367.0	6554	521.0	6554	428.0	6147	418.0	6031
Aug-2019	1266.0	5908	560.0	6330	353.0	6504	505.0	6550	397.0	6178	400.0	5980
Sep-2019	1231.0	5953	571.0	6481	347.0	6544	500.0	6552	408.0	6335	403.0	6164
Oct-2019	1245.0	5964	586.0	6526	358.0	6566	508.0	6632	406.0	6304	413.0	6147
Nov-2019	1225.0	5837	568.0	6506	342.0	6561	483.0	6558	574.0	6141	400.0	6178
Dec-2019	1197.0	5958	564.0	6437	345.0	6564	488.0	6562	796.0	6122	388.0	6088
Total	15808.0		6758.0		4198.0		6539.0		5579.0		4866.0	
Avg Inj P		5982		6417		6535		6555		6240		6083

c) Monthly wellhead injection pressure for each injection well

	02/16-05 Inj		02/15-06 Inj		02/05-07 Inj		02/09-06 Inj		02/12-04 Inj		02/08-08 Inj	
MONTH	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)
Jan-2019	519.0	6075	447.0	5511	267.0	6057	602.0	6075	532.0	183	248.0	6192
Feb-2019	500.0	6229	414.0	5610	290.0	6335	545.0	6114	548.0	-10	0.0	6193
Mar-2019	490.0	6094	458.0	5615	264.0	6182	608.0	6055	600.0	63	356.0	5358
Apr-2019	446.0	5900	427.0	5497	247.0	6012	567.0	5835	563.0	-17	489.0	5687
May-2019	455.0	5882	424.0	5407	253.0	5879	579.0	5768	574.0	146	458.0	5759
Jun-2019	458.0	5741	355.0	5058	249.0	5928	523.0	5312	523.0	-4	433.0	5690
Jul-2019	509.0	6015	401.0	5334	275.0	6100	601.0	5682	594.0	-6	453.0	5825
Aug-2019	491.0	5915	404.0	5154	259.0	6021	588.0	5506	601.0	746	432.0	5813
Sep-2019	494.0	6108	411.0	5259	264.0	6186	503.0	5153	575.0	2360	439.0	5996
Oct-2019	507.0	6089	456.0	5398	268.0	6165	607.0	5390	599.0	2090	435.0	5967
Nov-2019	492.0	6099	439.0	5457	258.0	6197	583.0	5257	579.0	1938	416.0	5964
Dec-2019	484.0	6015	440.0	5482	248.0	6095	586.0	5243	545.0	1773	403.0	5863
Total	5845.0		5076.0		3142.0		6892.0		6833.0		4562.0	
Avg Inj P		6013		5399		6096		5616		772		5859

	03/05-07 Inj		02/01-30 Inj		02/16-30 Inj		02/12-25 Inj		02/12-24 Inj		03/12-25 Inj	
MONTH	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)
Jan-2019	359.0	6228	556.0	6445	275.0	6549	304.0	6549	256.0	6514	115.0	6555
Feb-2019	47.0	5535	462.0	6553	246.0	6560	278.0	6558	236.0	6563	0.0	6553
Mar-2019	255.0	5099	484.0	6549	270.0	6572	303.0	6565	264.0	6484	333.0	6252
Apr-2019	396.0	6023	442.0	6533	260.0	6555	288.0	6549	254.0	6540	356.0	6590
May-2019	356.0	5991	432.0	6487	264.0	6573	289.0	6511	256.0	6533	310.0	6571
Jun-2019	334.0	5921	402.0	6443	254.0	6473	279.0	6532	246.0	6468	278.0	6554
Jul-2019	370.0	6072	422.0	6519	271.0	6538	283.0	6555	261.0	6556	281.0	6587
Aug-2019	368.0	6072	384.0	6525	259.0	6538	288.0	6548	253.0	6513	282.0	6601
Sep-2019	368.0	6235	380.0	6518	251.0	6534	280.0	6547	252.0	6533	264.0	6602
Oct-2019	376.0	6228	388.0	6549	259.0	6542	288.0	6555	260.0	6558	270.0	6593
Nov-2019	355.0	6249	364.0	6546	249.0	6546	276.0	6558	250.0	6553	258.0	6596
Dec-2019	350.0	6120	369.0	6565	252.0	6553	282.0	6564	256.0	6563	260.0	6600
Total	3934.0		5085.0		3110.0		3438.0		3044.0		3007.0	
Avg Inj P		5981		6519		6544		6549		6531		6555

c) Monthly wellhead injection pressure for each injection well

	02/04-25 Inj		03/13-07 Inj		02/16-13 Inj		SU2	
MONTH	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)	Inj Water (m ³)	Avg Inj P (kPa)
Jan-2019	593.0	6003	323.0	6213	0.0	0	12278.0	5760
Feb-2019	586.0	6175	41.0	6300	106.0	37	10373.0	5721
Mar-2019	654.0	6247	344.0	5915	480.0	-31	13064.0	5539
Apr-2019	629.0	6255	320.0	5910	710.0	-93	13162.0	5609
May-2019	622.0	6219	309.0	6014	851.0	-95	13178.0	5603
Jun-2019	532.0	5650	289.0	5888	784.0	-94	12060.0	5473
Jul-2019	351.0	6145	311.0	6061	874.0	-94	12994.0	5627
Aug-2019	0.0	6216	303.0	6070	873.0	-62	12259.0	5639
Sep-2019	0.0	6216	309.0	6275	891.0	750	12142.0	5794
Oct-2019	0.0	6216	321.0	6281	941.0	1975	12545.0	5852
Nov-2019	0.0	6216	284.0	6020	837.0	2711	11926.0	5822
Dec-2019	0.0	6216	284.0	6062	719.0	2968	12234.0	5828
Total	3967.0		3438.0		8066.0		148215.0	
Avg Inj P		6148		6084		664		5689

MONTH	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019
Total m3	12278.0	10373.0	13064.0	13162.0	13178.0	12060.0	12994.0	12259.0	12142.0	12545.0	11926.0	12234.0
Daily (m³/d)	396.06	370.46	421.42	438.73	425.10	402.00	419.16	395.45	404.73	404.68	397.53	394.65

2019 AVG. ANNUAL DAILY INJECTION = 405.83 m3/d
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CUMULATIVE INJECTION TO Dec 31, 2018 = 1,090,851 m3

TOTAL 2019 ANNUAL INJECTION = 148,215 m3
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CUMULATIVE INJECTION TO Dec 31, 2019 = 1,239,066 m3

d) Summary of the result of any survey of reservoir pressure conducted in 2019. N/A

e) **Date and type of any well servicing.**

[illegible]

f) Calculations of voidage replacement ratio on a monthly and cumulative basis

VOIDAGE CALCULATIONS

OIL FORMATION VOLUME FACTOR (Rm3/Sm3) = 1.071

MONTH	Mth Oil Prod (m3)	Cum Oil Prod (Km3)	Mth Water Prod (m3)	Cum Water Prod (Km3)	Mth Water Inj (m3)	Cum Water Inj (Km3)	VRR	Cum VRR
Jan-2019	5469.4	957.32	5025.9	531.06	12278.0	1103.13	1.128	0.709
Feb-2019	4576.7	961.90	4768.3	535.83	10373.0	1113.50	1.073	0.711
Mar-2019	4746.7	966.64	5392.4	541.22	13064.0	1126.57	1.247	0.715
Apr-2019	4416.7	971.06	5215.4	546.44	13162.0	1139.73	1.323	0.718
May-2019	4590.7	975.65	5751.4	552.19	13178.0	1152.91	1.235	0.722
Jun-2019	4315.1	979.96	5889.7	558.08	12060.0	1164.97	1.147	0.725
Jul-2019	4569.7	984.53	5365.7	563.45	12994.0	1177.96	1.266	0.728
Aug-2019	4913.8	989.45	5675.8	569.12	12259.0	1190.22	1.121	0.731
Sep-2019	4883.3	994.33	5678.6	574.80	12142.0	1202.36	1.113	0.733
Oct-2019	4997.9	999.33	5540.1	580.34	12545.0	1214.91	1.152	0.736
Nov-2019	4839.3	1004.17	5452.8	585.79	11926.0	1226.83	1.121	0.738
Dec-2019	4958.4	1009.13	5990.1	591.78	12234.0	1239.07	1.083	0.741

g) An outline of the method used for quality control and treatment of the injected fluid

The injection water for Sinclair Unit No. 2 was sourced from the 02/16-32-007-29W1 well (Lodgepole formation) until June 2016 when it was switched over to the newly recompleted source water well at 02/14-30-007-28W1 (Mannville formation). The water is treated at the 04-01-008-29W1 filtration plant where it is filtered to 0.1 microns and has scale inhibitor and biocide added. The injection water is then distributed to the injectors through the dedicated infrastructure system.

h) A report of any unusual performance problems and remedial measures taken or being considered. N/A

i) Any other information necessary to evaluate the project

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/12-04-007-28W1/0	Dir/Dev	Producing	-
102/12-04-007-28W1/0	Horizontal	Injection	-
100/13-04-007-28W1/0	Dir/Dev	Producing	-
100/09-05-007-28W1/0	Vertical	Producing	-
100/10-05-007-28W1/0	Vertical	Producing	-
100/11-05-007-28W1/0	Vertical	Producing	-
100/12-05-007-28W1/0	Vertical	Producing	-
100/13-05-007-28W1/0	Vertical	Producing	-
100/14-05-007-28W1/0	Vertical	Producing	-
100/15-05-007-28W1/0	Vertical	Producing	-
100/16-05-007-28W1/0	Vertical	Producing	-
102/16-05-007-28W1/0	Horizontal	Injection	-
100/09-06-007-28W1/0	Vertical	Producing	-
102/09-06-007-28W1/0	Horizontal	Injection	-
100/15-06-007-28W1/0	Vertical	Producing	-
102/15-06-007-28W1/0	Horizontal	Injection	-
100/16-06-007-28W1/0	Vertical	Producing	-
100/01-07-007-28W1/0	Vertical	Producing	-
100/02-07-007-28W1/0	Vertical	Producing	-
100/03-07-007-28W1/0	Vertical	Producing	-
100/04-07-007-28W1/0	Vertical	Producing	-
100/05-07-007-28W1/0	Vertical	Producing	-
102/05-07-007-28W1/2	Horizontal	Injection	-
103/05-07-007-28W1/0	Horizontal	Injection	-
100/06-07-007-28W1/0	Vertical	Producing	-
100/07-07-007-28W1/0	Vertical	Producing	-
100/08-07-007-28W1/0	Vertical	Producing	-
100/09-07-007-28W1/0	Vertical	Producing	-
100/10-07-007-28W1/0	Vertical	Producing	-
100/11-07-007-28W1/0	Vertical	Producing	-
100/12-07-007-28W1/0	Vertical	Producing	-
100/13-07-007-28W1/0	Vertical	Producing	-
102/13-07-007-28W1/0	Horizontal	Injection	-
103/13-07-007-28W1/0	Horizontal	Injection	-
104/13-07-007-28W1/0	Horizontal	Producing	-
100/14-07-007-28W1/0	Vertical	Producing	-
100/15-07-007-28W1/0	Vertical	Producing	-
100/16-07-007-28W1/0	Vertical	Producing	-
100/01-08-007-28W1/0	Vertical	Producing	-
100/02-08-007-28W1/0	Vertical	Producing	-
100/03-08-007-28W1/0	Vertical	Producing	-
100/04-08-007-28W1/0	Vertical	Producing	-
102/04-08-007-28W1/0	Horizontal	Producing	-
100/05-08-007-28W1/0	Vertical	Producing	-
100/06-08-007-28W1/0	Vertical	Producing	-

j) Well List

Sinclair Unit No.2 Well List

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/07-08-007-28W1/0	Vertical	Producing	-
100/08-08-007-28W1/0	Vertical	Producing	-
102/08-08-007-28W1/0	Horizontal	Injection	-
103/08-08-007-28W1/0	Horizontal	Injection	-
100/09-08-007-28W1/0	Vertical	Producing	-
102/09-08-007-28W1/0	Horizontal	Producing	-
100/10-08-007-28W1/0	Vertical	Producing	-
100/11-08-007-28W1/0	Vertical	Producing	-
100/12-08-007-28W1/0	Vertical	Producing	-
100/13-08-007-28W1/0	Vertical	Producing	-
100/14-08-007-28W1/0	Vertical	Producing	-
100/15-08-007-28W1/0	Dir/Dev	Producing	-
100/16-08-007-28W1/0	Dir/Dev	Producing	-
100/01-17-007-28W1/0	Vertical	Producing	-
102/01-17-007-28W1/0	Horizontal	Injection	-
103/01-17-007-28W1/0	Horizontal	Injection	-
100/02-17-007-28W1/0	Vertical	Producing	-
100/03-17-007-28W1/0	Vertical	Producing	-
100/04-17-007-28W1/0	Vertical	Producing	-
100/05-17-007-28W1/0	Vertical	Producing	-
100/06-17-007-28W1/0	Vertical	Producing	-
100/07-17-007-28W1/0	Vertical	Producing	-
100/08-17-007-28W1/0	Vertical	Producing	-
102/08-17-007-28W1/0	Horizontal	Producing	-
100/09-17-007-28W1/0	Vertical	Producing	-
102/09-17-007-28W1/0	Horizontal	Injection	-
100/10-17-007-28W1/0	Vertical	Producing	-
100/11-17-007-28W1/0	Vertical	Producing	-
100/12-17-007-28W1/0	Vertical	Producing	-
100/13-17-007-28W1/0	Vertical	Producing	-
100/14-17-007-28W1/0	Vertical	Producing	-
100/15-17-007-28W1/0	Vertical	Producing	-
100/16-17-007-28W1/0	Vertical	Producing	-
100/01-18-007-28W1/0	Vertical	Producing	-
100/02-18-007-28W1/0	Vertical	Producing	-
100/03-18-007-28W1/0	Vertical	Producing	-
100/04-18-007-28W1/0	Vertical	Producing	-
100/05-18-007-28W1/0	Vertical	Producing	-
102/05-18-007-28W1/0	Horizontal	Injection	-
103/05-18-007-28W1/2	Horizontal	Producing	-
100/06-18-007-28W1/0	Vertical	Producing	-
100/07-18-007-28W1/0	Vertical	Producing	-
100/08-18-007-28W1/0	Vertical	Producing	-
100/09-18-007-28W1/0	Vertical	Producing	-
100/10-18-007-28W1/0	Vertical	Producing	-
100/11-18-007-28W1/0	Vertical	Producing	-

j) Well List

Sinclair Unit No.2 Well List

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/12-18-007-28W1/0	Vertical	Producing	-
102/12-18-007-28W1/0	Horizontal	Injection	-
100/13-18-007-28W1/0	Vertical	Producing	-
100/14-18-007-28W1/0	Vertical	Producing	-
100/15-18-007-28W1/0	Vertical	Producing	-
100/16-18-007-28W1/0	Vertical	Producing	-
102/16-18-007-28W1/0	Horizontal	Producing	-
100/01-19-007-28W1/0	Vertical	Producing	-
100/02-19-007-28W1/0	Vertical	Producing	-
100/03-19-007-28W1/0	Vertical	Producing	-
100/04-19-007-28W1/0	Vertical	Producing	-
102/04-19-007-28W1/0	Horizontal	Injection	-
103/04-19-007-28W1/0	Horizontal	Producing	-
100/05-19-007-28W1/0	Vertical	Producing	-
100/06-19-007-28W1/0	Vertical	Producing	-
100/07-19-007-28W1/0	Vertical	Producing	-
100/08-19-007-28W1/0	Vertical	Producing	-
100/09-19-007-28W1/0	Vertical	Producing	-
100/10-19-007-28W1/0	Vertical	Producing	-
100/11-19-007-28W1/0	Vertical	Producing	-
100/12-19-007-28W1/0	Vertical	Producing	-
102/12-19-007-28W1/0	Horizontal	Injection	-
100/13-19-007-28W1/0	Vertical	Producing	-
100/14-19-007-28W1/0	Vertical	Producing	-
100/15-19-007-28W1/0	Vertical	Suspended	-
100/16-19-007-28W1/0	Vertical	Producing	-
103/16-19-007-28W1/0	Horizontal	Injection	-
100/01-30-007-28W1/0	Vertical	Producing	-
102/01-30-007-28W1/0	Horizontal	Injection	-
100/02-30-007-28W1/0	Vertical	Producing	-
100/03-30-007-28W1/0	Vertical	Producing	-
100/04-30-007-28W1/0	Vertical	Producing	-
102/04-30-007-28W1/0	Horizontal	Producing	-
100/05-30-007-28W1/0	Vertical	Producing	-
100/06-30-007-28W1/0	Vertical	Producing	-
100/07-30-007-28W1/0	Vertical	Producing	-
100/08-30-007-28W1/0	Vertical	Producing	-
102/08-30-007-28W1/0	Horizontal	Injection	-
100/09-30-007-28W1/2	Vertical	Producing	-
102/09-30-007-28W1/0	Horizontal	Injection	-
100/10-30-007-28W1/0	Vertical	Producing	-
100/11-30-007-28W1/0	Vertical	Producing	-
100/12-30-007-28W1/0	Vertical	Producing	-
100/13-30-007-28W1/0	Vertical	Producing	-
100/14-30-007-28W1/0	Vertical	Producing	WIW Conversion
103/14-30-007-28W1/0	Horizontal	Producing	-

j) Well List

Sinclair Unit No.2 Well List

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/15-30-007-28W1/0	Vertical	Producing	-
100/16-30-007-28W1/0	Dir/Dev	Producing	-
102/16-30-007-28W1/0	Horizontal	Injection	-
100/01-31-007-28W1/0	Vertical	Producing	-
100/02-31-007-28W1/0	Vertical	Producing	-
100/03-31-007-28W1/0	Vertical	Producing	-
100/04-31-007-28W1/0	Vertical	Producing	-
100/09-13-007-29W1/0	Vertical	Producing	-
100/15-13-007-29W1/0	Vertical	Producing	-
100/16-13-007-29W1/0	Vertical	Producing	-
102/16-13-007-29W1/0	Horizontal	Injection	-
100/01-24-007-29W1/0	Vertical	Producing	-
100/02-24-007-29W1/0	Vertical	Producing	-
100/07-24-007-29W1/0	Vertical	Producing	-
100/08-24-007-29W1/0	Vertical	Producing	-
100/09-24-007-29W1/0	Vertical	Producing	-
100/10-24-007-29W1/0	Vertical	Producing	-
100/11-24-007-29W1/0	Vertical	Producing	-
100/12-24-007-29W1/0	Vertical	Suspended	-
102/12-24-007-29W1/0	Horizontal	Injection	-
100/13-24-007-29W1/0	Vertical	Producing	-
100/14-24-007-29W1/0	Vertical	Producing	-
100/15-24-007-29W1/0	Vertical	Producing	-
100/16-24-007-29W1/0	Vertical	Producing	-
100/01-25-007-29W1/0	Vertical	Producing	-
100/02-25-007-29W1/0	Vertical	Producing	-
100/03-25-007-29W1/0	Vertical	Producing	-
100/04-25-007-29W1/0	Vertical	Producing	-
102/04-25-007-29W1/0	Horizontal	Injection	-
100/05-25-007-29W1/0	Vertical	Producing	-
100/06-25-007-29W1/0	Vertical	Producing	-
100/07-25-007-29W1/0	Vertical	Producing	-
100/08-25-007-29W1/0	Vertical	Producing	-
104/08-25-007-29W1/0	Horizontal	Producing	-
100/09-25-007-29W1/0	Vertical	Producing	-
100/10-25-007-29W1/0	Vertical	Producing	-
100/11-25-007-29W1/0	Vertical	Producing	-
100/12-25-007-29W1/0	Vertical	Producing	-
102/12-25-007-29W1/0	Horizontal	Injection	-
103/12-25-007-29W1/0	Horizontal	Injection	-
100/13-25-007-29W1/0	Vertical	Producing	-
100/14-25-007-29W1/0	Vertical	Producing	-
100/15-25-007-29W1/0	Vertical	Producing	-
100/16-25-007-29W1/0	Vertical	Producing	-
102/16-25-007-29W1/0	Horizontal	Producing	-