

Forty Acres
WEU 525

Mar 19, 2020

The Wireline Group
Midland, Texas
432.561.9356

Survey Information

Well Information:

Company Name	Forty Acres
Well Name	WEU 525
Field	Eumont Field
Status	Vertical Water Well
Producing Through	Tubing
Tubing Depth	3887.00 ftKB
PBTD	4410.00 ftKB
Inner Tubing	2.38 in
Outer Tubing	8.63 in
Inner Casing	5.50 in

Test Information:

Test Type	Step Rate Injection
Test Purpose	Initial Test
H2S Present	No
Start Test Date	19-Mar-2020 09:39:35
Final Test Date	19-Mar-2020 16:50:45

Perforation(s):

Formation

Measured Depth (ftKB)

True Vertical Depth (ftKB)

Gauge(s) Information:

BHP 2 Gauge

Surface Pressure Gauge

BHP 1 Gauge

Serial Number	VRT	WEU	VP4
Calibration Date	01-Aug-2018	11-Jan-2019	06-Sep-2018
Pressure Range	15013.00 psi(A)	10000.00 psi(A)	15013.00 psi(A)
Run Depth (LOG)	3849.00 ftKB	3850.00 ftKB	3850.00 ftKB
Run Depth (TVD)	3849.00 ftKB	3850.00 ftKB	3850.00 ftKB

Sequence of Events

Forty Acres

WEU 525

Date Time dd-MMM-yyyy HH:mm:ss	TVD ftKB	Event	Press. psi(A)	Temp. °F
19-Mar-2020 10:14:18	1000.00	Gradient Stop 1	474.54	71.05
19-Mar-2020 10:22:12	2000.00	Gradient Stop 2	936.92	80.10
19-Mar-2020 10:28:50	3000.00	Gradient Stop 3	1397.91	84.93
19-Mar-2020 10:34:17	3850.00	BHP Gauges on Bottom	1807.05	88.05
19-Mar-2020 10:38:02	3850.00	START 0.5 BPM	2305.27	89.08
19-Mar-2020 11:07:58	3850.00	STOP 0.5 BPM	2459.86	89.00
19-Mar-2020 11:09:50	3850.00	START 1.0 BPM	2500.66	88.98
19-Mar-2020 11:39:42	3850.00	STOP 1.0 GPM	2467.26	81.32
19-Mar-2020 11:41:06	3850.00	START 1.5 BPM	2485.74	81.16
19-Mar-2020 12:10:58	3850.00	STOP 1.5 BPM	2516.09	76.11
19-Mar-2020 12:11:54	3850.00	START 2.0 BPM	2537.39	76.04
19-Mar-2020 12:39:16	3850.00	STOP 2.0 BPM	2523.68	72.71
19-Mar-2020 12:39:20	3850.00	START 2.5 BPM	2525.81	72.71
19-Mar-2020 13:09:00	3850.00	STOP 2.5 BPM	2536.90	71.57
19-Mar-2020 13:09:40	3850.00	START 3.0 BPM	2545.08	71.55
19-Mar-2020 13:38:08	3850.00	STOP 3.0 BPM	2560.16	70.78
19-Mar-2020 13:45:12	3850.00	START 3.5 BPM	2564.10	73.75
19-Mar-2020 14:10:12	3850.00	STOP 3.5 BPM	2573.64	70.40
19-Mar-2020 14:10:28	3850.00	START 4.0 BPM	2573.68	70.39
19-Mar-2020 14:41:04	3850.00	STOP 4.0 BPM	2594.43	70.28
19-Mar-2020 14:41:20	3850.00	START 4.5 BPM	2594.49	70.28
19-Mar-2020 15:10:35	3850.00	STOP 4.5 BPM	2603.97	70.33
19-Mar-2020 15:11:48	3850.00	START 5.0 BPM	2617.36	70.32
19-Mar-2020 15:40:11	3850.00	STOP 5.0 BPM	2629.04	70.74
19-Mar-2020 15:41:59	3850.00	START 5.5 BPM	2638.07	70.81
19-Mar-2020 16:09:14	3850.00	STOP 5.5 BPM	2645.78	71.41
19-Mar-2020 16:11:47	3850.00	START 6.0 BPM	2656.24	71.53
19-Mar-2020 16:39:32	3850.00	STOP 6.0 BPM	2666.42	72.22
19-Mar-2020 16:42:51	3850.00	BHP Gauges off Bottom	2430.50	72.58
19-Mar-2020 16:50:41	0.00	BHP Gauges at Surface	534.50	66.13

Comments:

All well data supplied by Forty Acres. Report prepared by The Wireline Group.

ABOUT FLUID GRADIENT CALCULATIONS:

In this report there may be one or more plots with pressure/temperature plotted against well depth, commonly called "Gradients". In these gradient plots there are lines drawn through measured points across intervals where the measured points appear to form roughly a straight line. The slope of these lines is expressed as psi/ft, which is generally accepted to be representative of the average density of the fluid in the well over the depth interval spanned by the straight line.

The reader is cautioned that these lines are simple graphical representations of the data, and the composition of the fluids represented by the lines may not be the same as the name label of the line. The pressure survey instruments used in these surveys have no ability to actually identify well fluids. The line labels of "Gas", "Oil", or "Water" are just indicators of the most likely dominant fluid in the fluid mixtures across the line intervals, but the labels do not necessarily actually describe the fluid in the interval.

DISCLAIMER:

While every reasonable attempt has been made on our part to ensure the correctness of the information presented, all interpretations are opinions based on inferences from electrical and other measurements, and therefore The Wireline Group, and/or the author of this report, cannot, and do not guarantee the accuracy or correctness of any presentation, interpretation, analysis, opinion, or the like, whether written herein, or verbal, and we shall not, under any circumstances what so ever, be liable for any loss, damages, expenses incurred or sustained by anyone resulting from the use of, or reliance on, any information or interpretation presented by our officers, agents or employees.

WEU #525

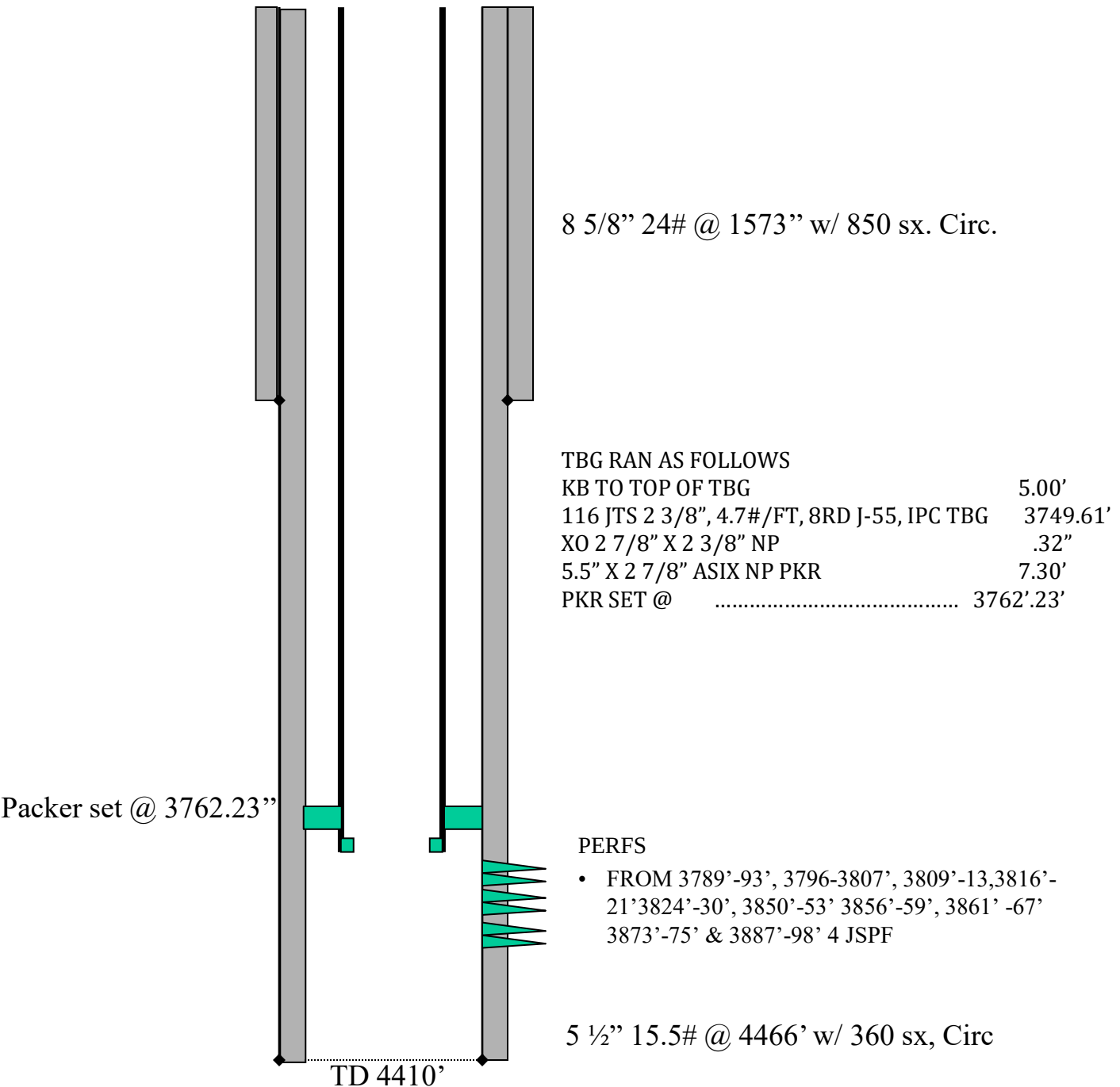
1340' FNL, 1670' FWL, Sec 35

T21S, R35E Lea Co., NM

Eumont Field completion Date: 03/21/2018

KB 6'

API # 30 025 45482



Current

03/18/2020

STEP RATE SUMMARY REPORT



Company: Forty Acres
Well: WEU 525
UWI

Survey Date: March 19 2020
Perforations: 3789 - 3887

Survey Information

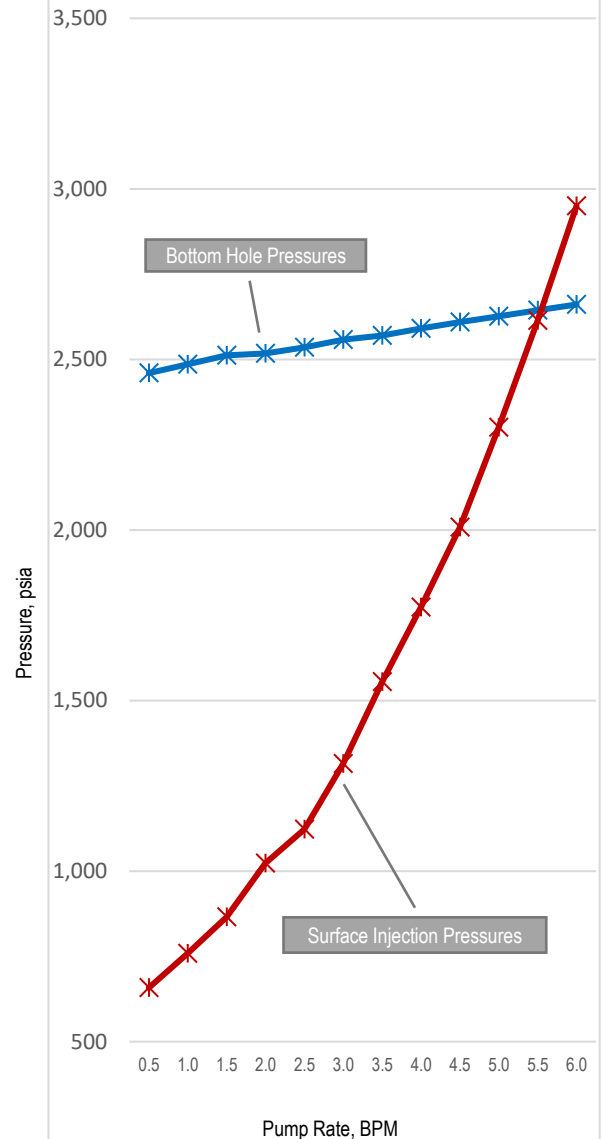
Permanent Datum Ground Level
Depths Measured From GL
Measured Above Permanent, ft 0.0
Bottom Hole Gauge Set Depth, ft 3,850.0

Fluid Type Fresh Water
Formation N/A
Casing Size 5-1/2"
PBDT 4,410'
Tubing Size 2-3/8"
Tubing Depth 3,762'

Injection Data

Pump Rate BPM	Surface Injection Pressure, psia	BHP psia	Fluid Gradient psia/ft	Wellhead Temp DegF	Bottom Hole Temp DegF	Estimated* Pipe Friction Loss, psia
0.5	658.0	2460	0.481	64.0	89.0	50
1.0	759.0	2486	0.481	64.0	84.9	125
1.5	866.0	2512	0.481	65.0	77.3	206
2.0	1023.0	2518	0.481	65.5	74.0	357
2.5	1123.0	2535	0.481	66.8	72.0	440
3.0	1315.0	2558	0.481	66.9	71.0	609
3.5	1555.0	2570	0.481	67.9	70.8	837
4.0	1774.0	2591	0.481	70.1	70.3	1035
4.5	2008.0	2610	0.481	69.7	70.3	1250
5.0	2301.2	2626	0.481	n/a	70.7	1527
5.5	2614.2	2644	0.481	n/a	71.3	1822
6.0	2950.2	2661	0.481	n/a	72.1	2141

Pressure vs Rate



Surface Injection Pressure @ 5.0, 5.5, 6.0 BPM estimated using BHP + Hazens-Williams Friction

*Estimated using Hazens-Williams w/ Friction Coefficient of 106

Gauge Information:

Surface Gauge Serial No: WEU

BHP Gauge 1 Serial No: VP4

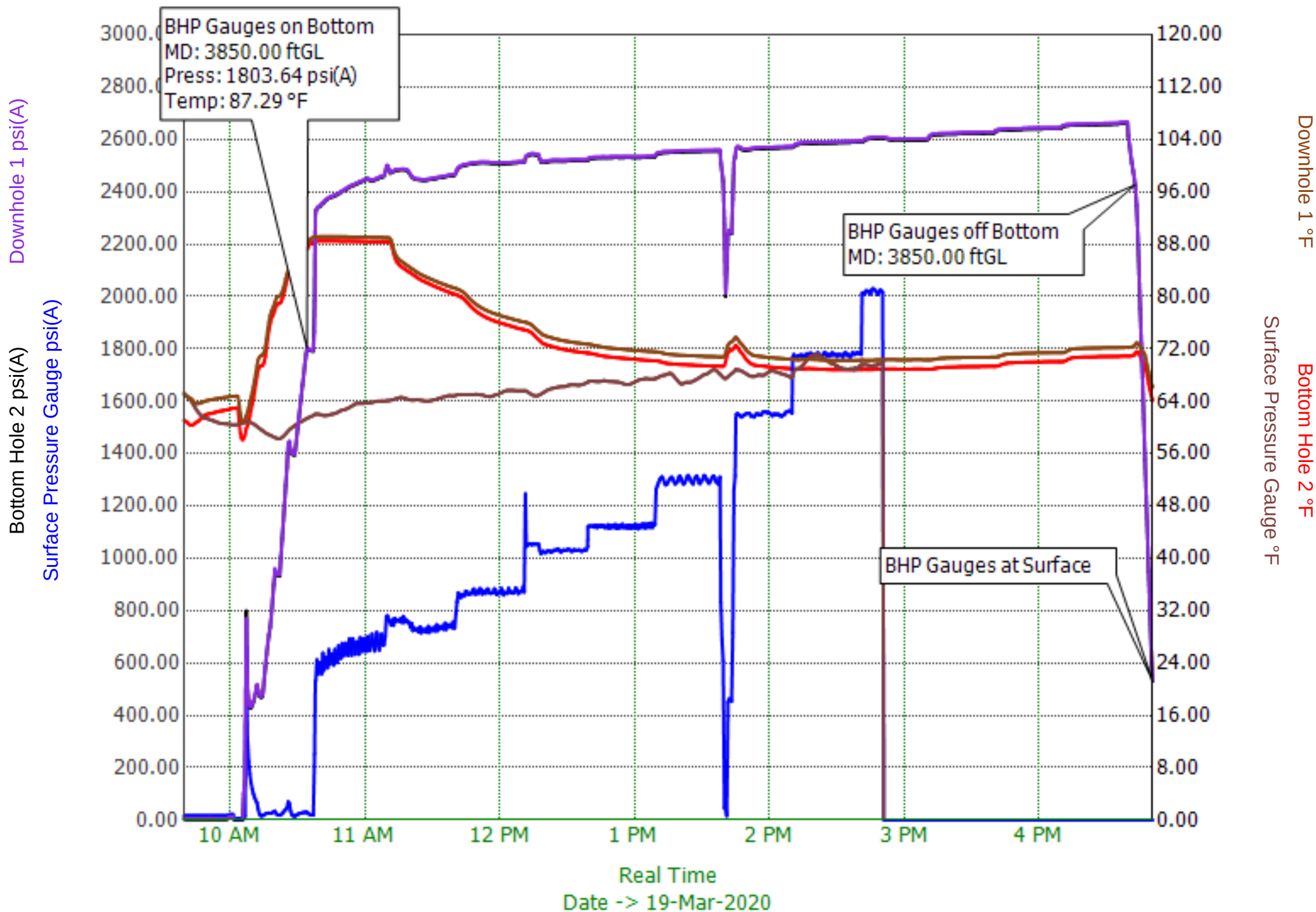
Complete Survey

Forty Acres					WEU 525	
Eumont Field						
Start Test Date: 19-Mar-2020 09:39:32					Final Test Date: 19-Mar-2020 16:50:46	
		Elapsed	Bottom Hole 2	Bottom Hole 2	Surface Pressure Gauge	Surface Pressure Gauge
#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Time Hours	Pressure psi(A)	Temp. °F	Pressure psi(A)	Temp. °F
1	2020/03/19 09:39:33	0.0000	3.15	61.06	15.98	65.27
2	2020/03/19 09:47:07	0.1261	3.03	61.33	15.88	61.86
3	2020/03/19 09:54:41	0.2522	3.16	62.40	16.00	60.73
4	2020/03/19 10:02:15	0.3783	1.42	62.94	4.36	60.39
5	2020/03/19 10:09:49	0.5044	433.08	63.31	123.22	60.66
1000.00 ftKB						
6	2020/03/19 10:14:18	0.5792	469.89	69.46	16.54	59.57
7	2020/03/19 10:17:23	0.6306	705.23	74.85	26.45	58.89
2000.00 ftKB						
8	2020/03/19 10:22:12	0.7108	933.11	78.97	18.17	58.30
9	2020/03/19 10:24:57	0.7567	1286.36	81.87	40.23	59.05
3000.00 ftKB						
10	2020/03/19 10:28:50	0.8214	1394.49	84.03	14.88	60.26
11	2020/03/19 10:32:31	0.8828	1674.16	86.43	28.24	61.01
3850.00 ftKB						
12	2020/03/19 10:34:17	0.9122	1803.64	87.29	29.60	61.36
START 0.5 BPM						
13	2020/03/19 10:38:02	0.9747	2300.09	88.49	524.84	62.03
14	2020/03/19 10:40:05	1.0089	2344.46	88.49	623.72	61.97
15	2020/03/19 10:47:39	1.1350	2389.18	88.48	597.50	62.25
16	2020/03/19 10:55:13	1.2611	2425.05	88.46	679.69	63.48
17	2020/03/19 11:02:47	1.3872	2443.30	88.39	667.51	63.77
STOP 0.5 BPM						
18	2020/03/19 11:07:58	1.4736	2456.86	88.36	671.27	64.02
START 1.0 BPM						
19	2020/03/19 11:09:50	1.5047	2497.29	88.33	775.25	64.07
20	2020/03/19 11:10:21	1.5133	2497.47	88.31	777.52	64.08
21	2020/03/19 11:17:55	1.6394	2484.01	84.17	760.36	64.45
22	2020/03/19 11:25:29	1.7656	2444.87	82.46	713.14	64.12
23	2020/03/19 11:33:03	1.8917	2453.28	81.28	738.22	64.43
STOP 1.0 GPM						
24	2020/03/19 11:39:42	2.0025	2463.92	80.40	735.01	64.83
25	2020/03/19 11:40:37	2.0178	2472.68	80.29	790.60	64.89
START 1.5 BPM						
26	2020/03/19 11:41:06	2.0258	2482.38	80.23	832.87	64.95
27	2020/03/19 11:48:11	2.1439	2507.42	78.18	862.69	65.03
28	2020/03/19 11:55:45	2.2700	2509.46	76.54	868.61	64.69
29	2020/03/19 12:03:19	2.3961	2508.28	75.67	885.50	65.64
30	2020/03/19 12:10:53	2.5222	2512.32	74.93	883.71	65.57
Bottom Hole 2 Gauge		Serial Number: VRT		Run Depth (TVD) : 3849.00 ftKB		
Surface Pressure Gauge Gauge		Serial Number: 000		Run Depth (TVD) : 3850.00 ftKB		
Print Filter: Every 454 points						

Forty Acres					WEU 525	
Eumont Field						
Start Test Date: 19-Mar-2020 09:39:32					Final Test Date: 19-Mar-2020 16:50:46	
		Elapsed	Bottom Hole 2	Bottom Hole 2	Surface Pressure Gauge	Surface Pressure Gauge
#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Time Hours	Pressure psi(A)	Temp. °F	Pressure psi(A)	Temp. °F
STOP 1.5 BPM						
31	2020/03/19 12:10:58	2.5236	2512.30	74.93	870.40	65.57
START 2.0 BPM						
32	2020/03/19 12:11:54	2.5392	2533.71	74.86	1046.46	65.53
33	2020/03/19 12:18:27	2.6483	2513.80	73.10	1019.26	65.08
34	2020/03/19 12:26:01	2.7744	2517.41	72.11	1035.39	66.16
35	2020/03/19 12:33:35	2.9006	2519.76	71.62	1033.17	66.50
STOP 2.0 BPM						
36	2020/03/19 12:39:16	2.9953	2519.39	71.36	1045.64	66.92
START 2.5 BPM						
37	2020/03/19 12:39:20	2.9964	2521.73	71.36	1120.42	66.93
38	2020/03/19 12:41:09	3.0267	2528.26	71.27	1119.54	67.06
39	2020/03/19 12:48:43	3.1528	2529.89	70.78	1126.23	67.01
40	2020/03/19 12:56:17	3.2789	2530.85	70.53	1122.49	66.58
41	2020/03/19 13:03:51	3.4050	2530.85	70.30	1131.99	67.37
STOP 2.5 BPM						
42	2020/03/19 13:09:00	3.4908	2532.69	70.18	1132.05	67.42
START 3.0 BPM						
43	2020/03/19 13:09:40	3.5019	2540.96	70.16	1254.65	67.49
44	2020/03/19 13:11:25	3.5311	2547.33	70.08	1276.47	67.79
45	2020/03/19 13:18:59	3.6572	2551.49	69.64	1276.97	67.26
46	2020/03/19 13:26:33	3.7833	2554.27	69.51	1282.60	67.13
47	2020/03/19 13:34:07	3.9094	2555.55	69.40	1290.26	68.61
STOP 3.0 BPM						
48	2020/03/19 13:38:08	3.9764	2555.98	69.35	1310.72	68.12
49	2020/03/19 13:41:41	4.0356	2236.46	71.39	450.03	67.74
START 3.5 BPM						
50	2020/03/19 13:45:12	4.0942	2560.27	72.50	1534.69	68.89
51	2020/03/19 13:49:15	4.1617	2559.07	70.65	1540.80	68.34
52	2020/03/19 13:56:49	4.2878	2565.61	69.39	1552.03	67.90
53	2020/03/19 14:04:23	4.4139	2567.79	69.12	1546.49	68.32
STOP 3.5 BPM						
54	2020/03/19 14:10:12	4.5108	2569.47	68.96	1553.54	67.56
START 4.0 BPM						
55	2020/03/19 14:10:28	4.5153	2569.55	68.95	1768.22	67.80
56	2020/03/19 14:11:57	4.5400	2579.28	68.91	1771.71	68.95
57	2020/03/19 14:19:31	4.6661	2585.26	68.96	1784.30	71.00
58	2020/03/19 14:27:05	4.7922	2586.63	68.83	1788.04	69.93
59	2020/03/19 14:34:39	4.9183	2588.54	68.81	1783.51	68.86
Bottom Hole 2 Gauge		Serial Number: VRT		Run Depth (TVD) : 3849.00 ftKB		
Surface Pressure Gauge Gauge		Serial Number: 000		Run Depth (TVD) : 3850.00 ftKB		
Print Filter: Every 454 points						

Forty Acres					WEU 525	
Eumont Field						
Start Test Date: 19-Mar-2020 09:39:32			Final Test Date: 19-Mar-2020 16:50:46			
		Elapsed	Bottom Hole 2	Bottom Hole 2	Surface Pressure Gauge	Surface Pressure Gauge
#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Time Hours	Pressure psi(A)	Temp. °F	Pressure psi(A)	Temp. °F
STOP 4.0 BPM						
60	2020/03/19 14:41:04	5.0253	2590.12	68.85	1778.04	69.59
START 4.5 BPM						
61	2020/03/19 14:41:20	5.0297	2590.22	68.85	2005.94	69.58
62	2020/03/19 14:42:13	5.0444	2595.87	68.85	2016.98	69.50
63	2020/03/19 14:49:47	5.1706	2605.33	68.91	2014.65	69.77
64	2020/03/19 14:57:21	5.2967	2599.29	68.91	0.00	0.00
65	2020/03/19 15:04:55	5.4228	2598.19	68.93	0.00	0.00
STOP 4.5 BPM						
66	2020/03/19 15:10:35	5.5172	2599.71	68.91	0.00	0.00
START 5.0 BPM						
67	2020/03/19 15:11:48	5.5375	2613.06	68.90	0.00	0.00
68	2020/03/19 15:12:29	5.5489	2615.87	68.92	0.00	0.00
69	2020/03/19 15:20:03	5.6750	2620.25	69.21	0.00	0.00
70	2020/03/19 15:27:37	5.8011	2622.53	69.28	0.00	0.00
71	2020/03/19 15:35:11	5.9272	2624.11	69.31	0.00	0.00
STOP 5.0 BPM						
72	2020/03/19 15:40:11	6.0106	2624.83	69.33	0.00	0.00
START 5.5 BPM						
73	2020/03/19 15:41:59	6.0406	2633.92	69.40	0.00	0.00
74	2020/03/19 15:42:45	6.0533	2634.77	69.50	0.00	0.00
75	2020/03/19 15:50:19	6.1794	2637.80	69.91	0.00	0.00
76	2020/03/19 15:57:53	6.3056	2640.37	70.00	0.00	0.00
77	2020/03/19 16:05:27	6.4317	2641.44	70.04	0.00	0.00
STOP 5.5 BPM						
78	2020/03/19 16:09:14	6.4947	2641.64	70.05	0.00	0.00
START 6.0 BPM						
79	2020/03/19 16:11:47	6.5372	2652.20	70.15	0.00	0.00
80	2020/03/19 16:13:01	6.5578	2653.49	70.38	0.00	0.00
81	2020/03/19 16:20:35	6.6839	2655.45	70.75	0.00	0.00
82	2020/03/19 16:28:09	6.8100	2657.68	70.81	0.00	0.00
83	2020/03/19 16:35:43	6.9361	2660.23	70.86	0.00	0.00
STOP 6.0 BPM						
84	2020/03/19 16:39:32	6.9997	2662.37	70.88	0.00	0.00
BHP Gauges off Bottom						
85	2020/03/19 16:42:51	7.0550	2426.62	71.21	0.00	0.00
86	2020/03/19 16:43:17	7.0622	2384.85	71.49	0.00	0.00
BHP Gauges at Surface						
87	2020/03/19 16:50:41	7.1856	530.12	64.09	0.00	0.00
Bottom Hole 2 Gauge		Serial Number: VRT		Run Depth (TVD) : 3849.00 ftKB		
Surface Pressure Gauge Gauge		Serial Number: 000		Run Depth (TVD) : 3850.00 ftKB		
Print Filter: Every 454 points						

Complete Survey (VRT_Bottom Hole 2 , WEU_Surface Pressure Gauge , VP4_Downhole 1)



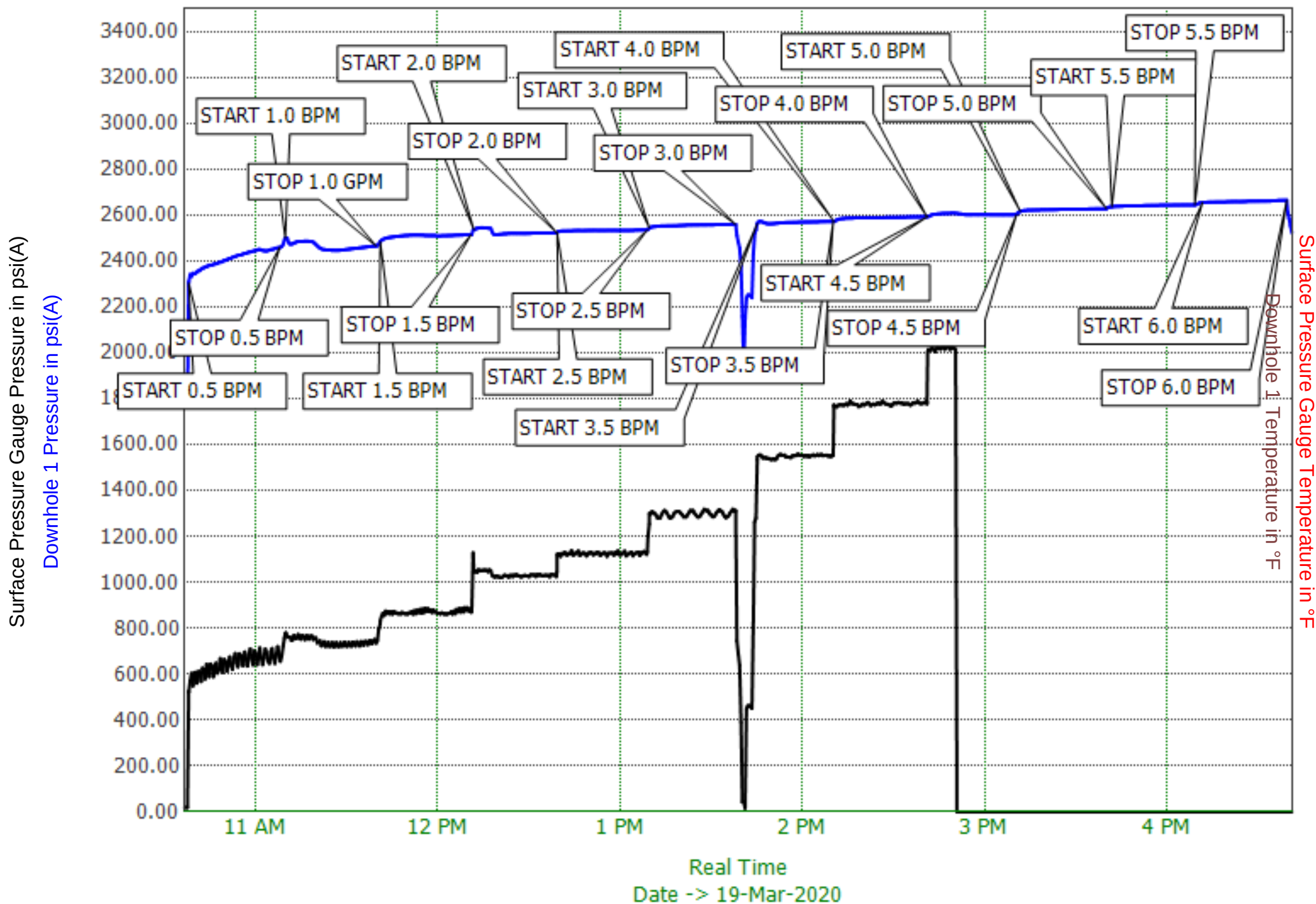
Step Rate Pumping Pressures

Forty Acres					WEU 525	
Eumont Field						
Start Test Date: 19-Mar-2020 10:31:54					Final Test Date: 19-Mar-2020 16:42:15	
		Elapsed	Surface Pressure Gauge	Surface Pressure Gauge	Downhole 1	Downhole 1
#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Time Hours	Pressure psi(A)	Temp. °F	Pressure psi(A)	Temp. °F
1	2020/03/19 10:33:13	0.8944	29.04	61.15	1730.24	87.68
	3850.00 ftKB					
2	2020/03/19 10:34:17	0.9122	29.60	61.36	1807.05	88.05
	START 0.5 BPM					
3	2020/03/19 10:38:02	0.9747	524.84	62.03	2305.27	89.08
4	2020/03/19 10:38:35	0.9839	593.67	62.04	2342.85	89.09
5	2020/03/19 10:43:57	1.0733	650.82	61.88	2377.97	89.15
6	2020/03/19 10:49:19	1.1628	607.02	62.54	2401.47	89.14
7	2020/03/19 10:54:41	1.2522	682.84	63.34	2427.43	89.11
8	2020/03/19 11:00:03	1.3417	699.29	63.70	2446.38	89.08
9	2020/03/19 11:05:25	1.4311	717.43	64.00	2451.80	89.02
	STOP 0.5 BPM					
10	2020/03/19 11:07:58	1.4736	671.27	64.02	2459.86	89.00
	START 1.0 BPM					
11	2020/03/19 11:09:50	1.5047	775.25	64.07	2500.66	88.98
12	2020/03/19 11:10:47	1.5206	756.30	64.10	2487.44	88.97
13	2020/03/19 11:16:09	1.6100	774.17	64.59	2487.41	85.43
14	2020/03/19 11:21:31	1.6994	737.84	64.16	2455.35	84.13
15	2020/03/19 11:26:53	1.7889	721.33	64.03	2447.77	83.06
16	2020/03/19 11:32:15	1.8783	719.16	64.33	2455.50	82.26
17	2020/03/19 11:37:37	1.9678	738.24	64.85	2464.43	81.55
	STOP 1.0 GPM					
18	2020/03/19 11:39:42	2.0025	735.01	64.83	2467.26	81.32
	START 1.5 BPM					
19	2020/03/19 11:41:06	2.0258	832.87	64.95	2485.74	81.16
20	2020/03/19 11:42:59	2.0572	870.14	65.00	2500.69	80.85
21	2020/03/19 11:48:21	2.1467	884.18	65.02	2511.15	79.14
22	2020/03/19 11:53:43	2.2361	883.38	64.79	2514.35	77.95
23	2020/03/19 11:59:05	2.3256	879.38	65.02	2512.20	77.22
24	2020/03/19 12:04:27	2.4150	872.76	65.65	2512.69	76.68
25	2020/03/19 12:09:49	2.5044	869.73	65.61	2515.71	76.19
	STOP 1.5 BPM					
26	2020/03/19 12:10:58	2.5236	870.40	65.57	2516.09	76.11
	START 2.0 BPM					
27	2020/03/19 12:11:54	2.5392	1046.46	65.53	2537.39	76.04
28	2020/03/19 12:15:11	2.5939	1055.67	64.88	2546.16	75.38
29	2020/03/19 12:20:33	2.6833	1021.93	65.53	2517.86	73.97
30	2020/03/19 12:25:55	2.7728	1035.10	66.15	2521.40	73.45
31	2020/03/19 12:31:17	2.8622	1032.30	66.47	2522.74	73.08
Surface Pressure Gauge Gauge		Serial Number: 000		Run Depth (TVD) : 3850.00 ftKB		
Downhole 1 Gauge		Serial Number: VP4		Run Depth (TVD) : 3850.00 ftKB		
Print Filter: Every 322 points						

Forty Acres				WEU 525		
Eumont Field						
Start Test Date: 19-Mar-2020 10:31:54				Final Test Date: 19-Mar-2020 16:42:15		
		Elapsed	Surface Pressure Gauge	Surface Pressure Gauge	Downhole 1	Downhole 1
#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Time Hours	Pressure psi(A)	Temp. °F	Pressure psi(A)	Temp. °F
32	2020/03/19 12:36:39	2.9517	1025.27	66.54	2522.85	72.82
STOP 2.0 BPM						
33	2020/03/19 12:39:16	2.9953	1045.64	66.92	2523.68	72.71
START 2.5 BPM						
34	2020/03/19 12:39:20	2.9964	1120.42	66.93	2525.81	72.71
35	2020/03/19 12:42:01	3.0411	1127.28	67.04	2532.72	72.55
36	2020/03/19 12:47:23	3.1306	1129.44	67.10	2533.82	72.19
37	2020/03/19 12:52:45	3.2200	1127.49	66.93	2534.69	72.01
38	2020/03/19 12:58:07	3.3094	1117.02	66.62	2534.95	71.85
39	2020/03/19 13:03:29	3.3989	1128.16	67.35	2534.90	71.69
40	2020/03/19 13:08:51	3.4883	1136.11	67.42	2536.83	71.57
STOP 2.5 BPM						
41	2020/03/19 13:09:00	3.4908	1132.05	67.42	2536.90	71.57
START 3.0 BPM						
42	2020/03/19 13:09:40	3.5019	1254.65	67.49	2545.08	71.55
43	2020/03/19 13:14:13	3.5778	1312.80	68.07	2554.07	71.22
44	2020/03/19 13:19:35	3.6672	1312.26	67.02	2555.89	71.05
45	2020/03/19 13:24:57	3.7567	1310.65	66.90	2558.27	70.97
46	2020/03/19 13:30:19	3.8461	1297.57	67.92	2559.19	70.87
47	2020/03/19 13:35:41	3.9356	1286.44	68.83	2559.96	70.81
STOP 3.0 BPM						
48	2020/03/19 13:38:08	3.9764	1310.72	68.12	2560.16	70.78
49	2020/03/19 13:41:03	4.0250	15.76	67.54	1880.26	71.95
START 3.5 BPM						
50	2020/03/19 13:45:12	4.0942	1534.69	68.89	2564.10	73.75
51	2020/03/19 13:46:25	4.1144	1544.99	68.75	2573.54	73.27
52	2020/03/19 13:51:47	4.2039	1537.60	67.81	2565.97	71.22
53	2020/03/19 13:57:09	4.2933	1558.11	67.95	2569.98	70.80
54	2020/03/19 14:02:31	4.3828	1550.58	68.51	2571.42	70.61
55	2020/03/19 14:07:53	4.4722	1552.91	67.96	2573.23	70.46
STOP 3.5 BPM						
56	2020/03/19 14:10:12	4.5108	1553.54	67.56	2573.64	70.40
START 4.0 BPM						
57	2020/03/19 14:10:28	4.5153	1768.22	67.80	2573.68	70.39
58	2020/03/19 14:13:15	4.5617	1774.30	68.99	2586.12	70.33
59	2020/03/19 14:18:37	4.6511	1783.15	70.89	2589.37	70.41
60	2020/03/19 14:23:59	4.7406	1781.48	70.60	2590.07	70.31
61	2020/03/19 14:29:21	4.8300	1767.63	69.48	2591.49	70.25
62	2020/03/19 14:34:43	4.9194	1784.20	68.89	2592.75	70.24
Surface Pressure Gauge Gauge		Serial Number: 000		Run Depth (TVD) : 3850.00 ftKB		
Downhole 1 Gauge		Serial Number: VP4		Run Depth (TVD) : 3850.00 ftKB		
Print Filter: Every 322 points						

Forty Acres					WEU 525	
Eumont Field						
Start Test Date: 19-Mar-2020 10:31:54			Final Test Date: 19-Mar-2020 16:42:15			
		Elapsed	Surface Pressure Gauge	Surface Pressure Gauge	Downhole 1	Downhole 1
#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Time Hours	Pressure psi(A)	Temp. °F	Pressure psi(A)	Temp. °F
63	2020/03/19 14:40:05	5.0089	1781.88	69.16	2594.19	70.27
	STOP 4.0 BPM					
64	2020/03/19 14:41:04	5.0253	1778.04	69.59	2594.43	70.28
	START 4.5 BPM					
65	2020/03/19 14:41:20	5.0297	2005.94	69.58	2594.49	70.28
66	2020/03/19 14:45:27	5.0983	2025.76	69.38	2607.58	70.26
67	2020/03/19 14:50:49	5.1878	0.00	0.00	2609.20	70.34
68	2020/03/19 14:56:11	5.2772	0.00	0.00	2603.58	70.34
69	2020/03/19 15:01:33	5.3667	0.00	0.00	2602.81	70.33
70	2020/03/19 15:06:55	5.4561	0.00	0.00	2602.37	70.35
	STOP 4.5 BPM					
71	2020/03/19 15:10:35	5.5172	0.00	0.00	2603.97	70.33
	START 5.0 BPM					
72	2020/03/19 15:11:48	5.5375	0.00	0.00	2617.36	70.32
73	2020/03/19 15:12:17	5.5456	0.00	0.00	2619.45	70.34
74	2020/03/19 15:17:39	5.6350	0.00	0.00	2623.97	70.59
75	2020/03/19 15:23:01	5.7244	0.00	0.00	2624.91	70.65
76	2020/03/19 15:28:23	5.8139	0.00	0.00	2626.89	70.69
77	2020/03/19 15:33:45	5.9033	0.00	0.00	2627.80	70.71
78	2020/03/19 15:39:07	5.9928	0.00	0.00	2628.93	70.73
	STOP 5.0 BPM					
79	2020/03/19 15:40:11	6.0106	0.00	0.00	2629.04	70.74
	START 5.5 BPM					
80	2020/03/19 15:41:59	6.0406	0.00	0.00	2638.07	70.81
81	2020/03/19 15:44:29	6.0822	0.00	0.00	2640.07	71.10
82	2020/03/19 15:49:51	6.1717	0.00	0.00	2641.78	71.28
83	2020/03/19 15:55:13	6.2611	0.00	0.00	2644.10	71.34
84	2020/03/19 16:00:35	6.3506	0.00	0.00	2644.69	71.38
85	2020/03/19 16:05:57	6.4400	0.00	0.00	2645.58	71.41
	STOP 5.5 BPM					
86	2020/03/19 16:09:14	6.4947	0.00	0.00	2645.78	71.41
87	2020/03/19 16:11:19	6.5294	0.00	0.00	2655.49	71.45
	START 6.0 BPM					
88	2020/03/19 16:11:47	6.5372	0.00	0.00	2656.24	71.53
89	2020/03/19 16:16:41	6.6189	0.00	0.00	2658.93	72.04
90	2020/03/19 16:22:03	6.7083	0.00	0.00	2660.31	72.10
91	2020/03/19 16:27:25	6.7978	0.00	0.00	2661.70	72.15
92	2020/03/19 16:32:47	6.8872	0.00	0.00	2662.62	72.18
93	2020/03/19 16:38:09	6.9767	0.00	0.00	2666.32	72.21
Surface Pressure Gauge Gauge		Serial Number: 000		Run Depth (TVD) : 3850.00 ftKB		
Downhole 1 Gauge		Serial Number: VP4		Run Depth (TVD) : 3850.00 ftKB		
Print Filter: Every 322 points						

Pumping Pressures (WEU_Surface Pressure Gauge, VP4_Downhole 1)



Fluid Gradient Survey - RIH

Forty Acres
Eumont Field

WEU 525

Start Test Date: 19-Mar-2020 10:03:13

Final Test Date: 19-Mar-2020 10:39:22

#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Elapsed Time Hours	Downhole 1 Pressure psi(A)	Downhole 1 Temp. °F
1	2020/03/19 10:03:32	0.4000	-4.92	64.79
2	2020/03/19 10:03:52	0.4056	-5.29	64.33
3	2020/03/19 10:04:12	0.4111	-5.20	63.27
4	2020/03/19 10:04:32	0.4167	-5.05	62.34
5	2020/03/19 10:04:52	0.4222	-4.96	61.65
6	2020/03/19 10:05:12	0.4278	-5.05	61.19
7	2020/03/19 10:05:32	0.4333	-5.09	60.91
8	2020/03/19 10:05:52	0.4389	29.28	60.81
9	2020/03/19 10:06:12	0.4444	103.18	60.84
10	2020/03/19 10:06:32	0.4500	137.48	61.00
11	2020/03/19 10:06:52	0.4556	158.03	61.27
12	2020/03/19 10:07:12	0.4611	674.21	61.69
13	2020/03/19 10:07:32	0.4667	693.32	61.97
14	2020/03/19 10:07:52	0.4722	506.46	62.38
15	2020/03/19 10:08:12	0.4778	463.42	62.83
16	2020/03/19 10:08:32	0.4833	444.34	63.29
17	2020/03/19 10:08:52	0.4889	435.48	63.76
18	2020/03/19 10:09:12	0.4944	433.00	64.25
19	2020/03/19 10:09:32	0.5000	434.75	64.76
20	2020/03/19 10:09:52	0.5056	439.32	65.27
21	2020/03/19 10:10:12	0.5111	446.94	65.77
22	2020/03/19 10:10:32	0.5167	456.55	66.32
23	2020/03/19 10:10:52	0.5222	467.85	66.94
24	2020/03/19 10:11:12	0.5278	480.48	67.58
25	2020/03/19 10:11:32	0.5333	493.91	68.25
26	2020/03/19 10:11:52	0.5389	508.96	68.97
27	2020/03/19 10:12:12	0.5444	523.84	69.67
28	2020/03/19 10:12:32	0.5500	502.66	70.24
29	2020/03/19 10:12:52	0.5556	487.18	70.57
30	2020/03/19 10:13:12	0.5611	478.76	70.76
31	2020/03/19 10:13:32	0.5667	475.08	70.88
32	2020/03/19 10:13:52	0.5722	473.96	70.97
33	2020/03/19 10:14:12	0.5778	474.43	71.04
1000.00 ftKB				
34	2020/03/19 10:14:18	0.5794	474.54	71.05
35	2020/03/19 10:14:32	0.5833	474.72	71.09
36	2020/03/19 10:14:52	0.5889	501.49	71.18
37	2020/03/19 10:15:12	0.5944	534.39	71.45
38	2020/03/19 10:15:32	0.6000	563.69	71.91

Downhole 1 Gauge

Serial Number: VP4

Run Depth (TVD) : 3850.00 ftKB

Print Filter: Every 20 points

Forty Acres
Eumont Field

WEU 525

Start Test Date: 19-Mar-2020 10:03:13

Final Test Date: 19-Mar-2020 10:39:22

#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Elapsed Time Hours	Downhole 1 Pressure psi(A)	Downhole 1 Temp. °F
39	2020/03/19 10:15:52	0.6056	594.40	72.45
40	2020/03/19 10:16:12	0.6111	623.62	73.14
41	2020/03/19 10:16:32	0.6167	650.35	74.04
42	2020/03/19 10:16:52	0.6222	675.42	74.92
43	2020/03/19 10:17:12	0.6278	698.31	75.69
44	2020/03/19 10:17:32	0.6333	718.31	76.39
45	2020/03/19 10:17:52	0.6389	736.39	76.96
46	2020/03/19 10:18:12	0.6444	753.63	77.42
47	2020/03/19 10:18:32	0.6500	789.87	77.76
48	2020/03/19 10:18:52	0.6556	828.74	78.04
49	2020/03/19 10:19:12	0.6611	863.96	78.30
50	2020/03/19 10:19:32	0.6667	900.92	78.56
51	2020/03/19 10:19:52	0.6722	938.66	78.89
52	2020/03/19 10:20:12	0.6778	951.88	79.29
53	2020/03/19 10:20:32	0.6833	943.64	79.65
54	2020/03/19 10:20:52	0.6889	940.22	79.85
55	2020/03/19 10:21:12	0.6944	938.64	79.96
56	2020/03/19 10:21:32	0.7000	937.75	80.03
57	2020/03/19 10:21:52	0.7056	937.15	80.07
2000.00 ftKB				
58	2020/03/19 10:22:12	0.7111	936.92	80.10
59	2020/03/19 10:22:32	0.7167	985.90	80.16
60	2020/03/19 10:22:52	0.7222	1025.78	80.34
61	2020/03/19 10:23:12	0.7278	1067.54	80.63
62	2020/03/19 10:23:32	0.7333	1109.66	80.97
63	2020/03/19 10:23:52	0.7389	1149.45	81.33
64	2020/03/19 10:24:12	0.7444	1194.86	81.69
65	2020/03/19 10:24:32	0.7500	1238.48	82.18
66	2020/03/19 10:24:52	0.7556	1279.59	82.71
67	2020/03/19 10:25:12	0.7611	1320.14	83.16
68	2020/03/19 10:25:32	0.7667	1370.18	83.57
69	2020/03/19 10:25:52	0.7722	1423.91	83.93
70	2020/03/19 10:26:12	0.7778	1473.90	84.25
71	2020/03/19 10:26:32	0.7833	1443.00	84.53
72	2020/03/19 10:26:52	0.7889	1424.19	84.70
73	2020/03/19 10:27:12	0.7944	1411.24	84.79
74	2020/03/19 10:27:32	0.8000	1403.46	84.85
75	2020/03/19 10:27:52	0.8056	1400.09	84.89
76	2020/03/19 10:28:12	0.8111	1399.09	84.91

Downhole 1 Gauge

Serial Number: VP4

Run Depth (TVD) : 3850.00 ftKB

Print Filter: Every 20 points

Forty Acres
Eumont Field

WEU 525

Start Test Date: 19-Mar-2020 10:03:13

Final Test Date: 19-Mar-2020 10:39:22

#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Elapsed Time Hours	Downhole 1 Pressure psi(A)	Downhole 1 Temp. °F
77	2020/03/19 10:28:32	0.8167	1398.22	84.92
	3000.00 ftKB			
78	2020/03/19 10:28:50	0.8217	1397.91	84.93
79	2020/03/19 10:28:52	0.8222	1397.90	84.94
80	2020/03/19 10:29:12	0.8278	1416.74	84.97
81	2020/03/19 10:29:32	0.8333	1447.25	85.07
82	2020/03/19 10:29:52	0.8389	1473.48	85.24
83	2020/03/19 10:30:12	0.8444	1499.11	85.47
84	2020/03/19 10:30:32	0.8500	1525.16	85.71
85	2020/03/19 10:30:52	0.8556	1550.99	85.95
86	2020/03/19 10:31:12	0.8611	1576.84	86.20
87	2020/03/19 10:31:32	0.8667	1602.38	86.46
88	2020/03/19 10:31:52	0.8722	1627.65	86.73
89	2020/03/19 10:32:12	0.8778	1653.33	86.98
90	2020/03/19 10:32:32	0.8833	1678.72	87.23
91	2020/03/19 10:32:52	0.8889	1703.92	87.46
92	2020/03/19 10:33:12	0.8944	1729.01	87.67
93	2020/03/19 10:33:32	0.9000	1753.84	87.89
94	2020/03/19 10:33:52	0.9056	1776.18	88.11
95	2020/03/19 10:34:12	0.9111	1800.58	88.13
	3850.00 ftKB			
96	2020/03/19 10:34:17	0.9125	1807.05	88.05
97	2020/03/19 10:34:32	0.9167	1802.97	88.00
98	2020/03/19 10:34:52	0.9222	1800.16	88.25
99	2020/03/19 10:35:12	0.9278	1798.38	88.50
100	2020/03/19 10:35:32	0.9333	1797.19	88.69
101	2020/03/19 10:35:52	0.9389	1796.35	88.81
102	2020/03/19 10:36:12	0.9444	1795.71	88.90
103	2020/03/19 10:36:32	0.9500	1795.19	88.95
104	2020/03/19 10:36:52	0.9556	1794.71	88.99
105	2020/03/19 10:37:12	0.9611	1794.30	89.02
106	2020/03/19 10:37:32	0.9667	1794.11	89.05
107	2020/03/19 10:37:52	0.9722	2300.94	89.12
	START 0.5 BPM			
108	2020/03/19 10:38:02	0.9750	2305.27	89.08
109	2020/03/19 10:38:12	0.9778	2330.54	89.07
110	2020/03/19 10:38:32	0.9833	2343.33	89.09
111	2020/03/19 10:38:52	0.9889	2333.50	89.11
112	2020/03/19 10:39:12	0.9944	2342.06	89.13

Downhole 1 Gauge

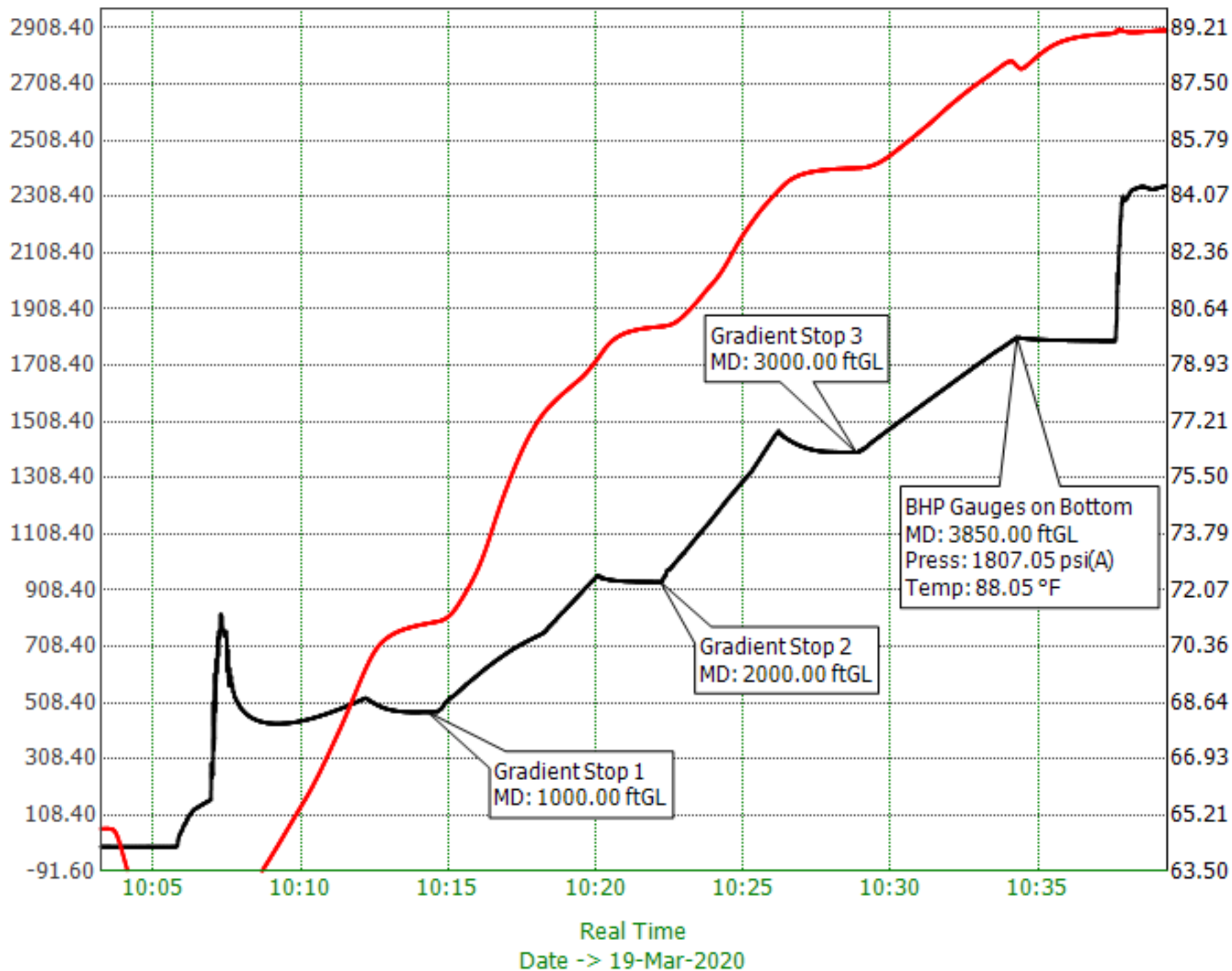
Serial Number: VP4

Run Depth (TVD) : 3850.00 ftKB

Print Filter: Every 20 points

Static Fluid Gradient - RIH - Survey (VP4_Downhole 1)

Downhole 1 Pressure in psi(A)



Downhole 1 Temperature in °F

Static Gradient - RIH

Gradient

Forty Acres

WEU 525

Eumont Field

Start Test Date: 19-Mar-2020 10:14:36

Final Test Date: 19-Mar-2020 10:34:17

Downhole 1 Gauge

Gauge Serial Number	VP4	Gauge Type	Piezo
Gauge Manufacturer	RTM/KC3C	Gauge Maximum Range	15013.00 psi(A)
Run Depth (TVD)	3850.00 ftKB	Date Of Last Calibration	06-Sep-2018
Date Gauge On Bottom	19-Mar-2020 10:34:17	Date Gauge Off Bottom	

Test Data

Producing Interval Top (MD)	Producing Interval Bot (MD)
Producing Interval Top (TVD)	Producing Interval Bot (TVD)
MPP Depth (TVD)	Date Well Shut-In
Tubing Pressure: Initial	Tubing Pressure: Final
Casing Pressure: Initial	Casing Pressure: Final

MD (ftKB)	TVD (ftKB)	Pressure (psi(A))	Gradient (psi/ft)	Temperature (°F)	Gradient (°F/ft)
1000.00	1000.00	474.79		71.10	
2000.00	2000.00	936.92	0.462	80.10	0.009
3000.00	3000.00	1397.91	0.461	84.93	0.005
3850.00	3850.00	1807.05	0.481	88.05	0.004

Results

Water Grad = 0.481 psi/ft

Static Gradient - RIH (VP4 Downhole Gauge 1)

