

RECEIVED: 11/9/20	REVIEWER: DM	TYPE: IPI	APP NO: pDM2009858071
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: Forty Acres Energy **OGRID Number:** 371416
Well Name: West Eumont Unit #219 **API:** 30-025-46679
Pool: Eumont, Yates-Seven **Pool Code:** 22800
Rivers-Queen

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL

☐ NSP (PROJECT AREA)

☐ NSP (PRORATION UNIT)

☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC

☐ CTB

☐ PLC

☐ PC

☐ OLS

☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX

☐ PMX

☐ SWD

☒ IPI

☐ EOR

☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

A. ☒ Offset operators or lease holders

B. ☒ Royalty, overriding royalty owners, revenue owners

C. ☒ Application requires published notice

D. ☒ Notification and/or concurrent approval by SLO

E. ☒ Notification and/or concurrent approval by BLM

F. ☒ Surface owner

G. ☒ For all of the above, proof of notification or publication is attached, and/or,

H. ☒ No notice required

FOR OCD ONLY

☐ Notice Complete

☐ Application
Content
Complete

3) CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Garret Johnson

Print or Type Name

Signature

September 3, 2020

Date

918-697-8311

Phone Number

Garret@faenergyus.com

e-mail Address

forty acres energy

September 3, 2020

Energy Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis drive
Santa Fe, New Mexico 87505

Attention: Mr. Dean McClure
Petroleum Specialist

Re: Injection Pressure Increase Application
Forty Acres Energy, LLC
West Eumont Unit #211
Pool: Yates-& 7 Rivers
Lea County, New Mexico

Dear Mr. McClure,

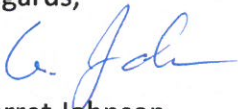
Forty Acres Energy, LLC ("Forty Acres"; OGRID No. 371416), as current operator of the Wes Eumont Unit Waterflood Project, hereby requests administrative approval to increase the surface injection pressure for the West Eumont Unit #211, API # 30-025-44207. (WEU #211)

On August 17th, 2020, Forty Acres conducted a step rate injection test on the WEU #211. The performed step rate test indicates a surface fracture pressure of 1825 psi. Attached for your review is the Capitan Wireline report of the step rate test performed on the WEU #211. Based on the results of the step rate test, Forty Acres, hereby requests authority to increase maximum surface injection pressure of 1825 psi for the WEU #211.

In addition to increasing injection pressure of the WEU #211, Forty Acres is requesting that the step rate test performed on the WEU #211 will effectively represent surface fracture pressure for the adjacent injection wells in the area: West Eumont Unit #212 (API # 30-025-44208), West Eumont Unit #213 (API # 30-025-44209), West Eumont Unit #214 (API # 30-025-44210), West Eumont Unit #218 (API # 30-025-45484), and the West Eumont Unit #219 (30-025-46679). The aforementioned wells will not take a sufficient volume of fluid at the current pressure limit and the approval of the proposed pressure increase will allow Forty Acres to conduct secondary recovery operations in a more efficient manner.

Please feel free to reach out with any questions of concerns.

Regards,

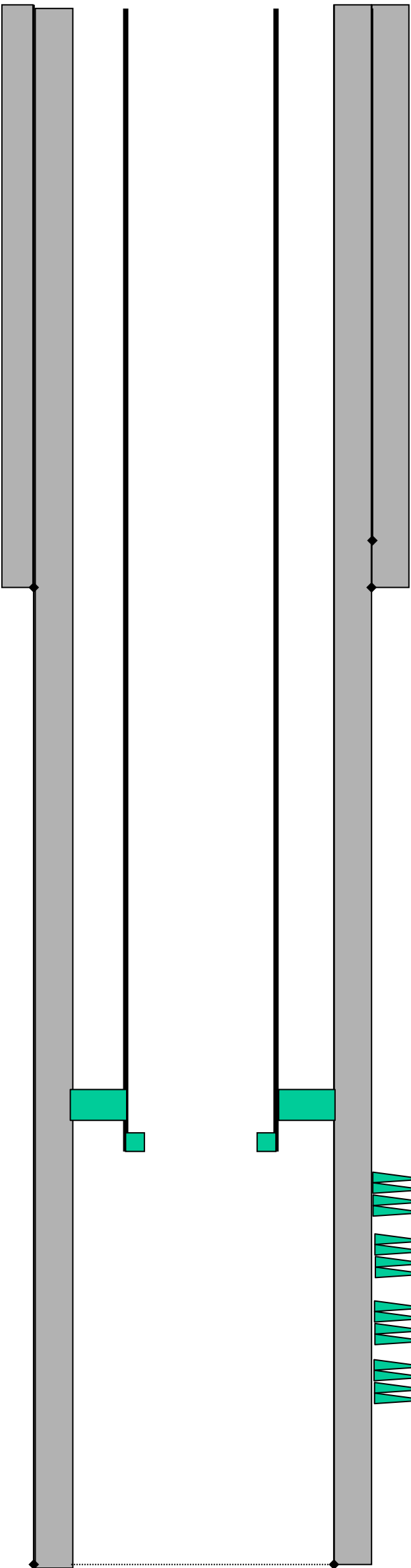


Garret Johnson
Operations Engineer

WEU #219 - proposed

95' FNL, 1400' FWL, Sec 02
T21S, R35E Lea Co., NM
Eumont Field

KB 6'
API # 30 025 46679
Completion Date: 03/21/2018



8 5/8" 24# @ 1666" w/ 110 sx. Circ.

RIH as follows

KB TO TOP OF TBG	6.00'
~121 JTS 2 3/8", 4.7#/FT, 8RD J-55, IPC TBG	~3900'
XO 2 7/8" X 2 3/8" NP	.32"
5.5" X 2 7/8" ASIX NP PKR	7.30'
PKR SET @	~3912'

Proposed perforations

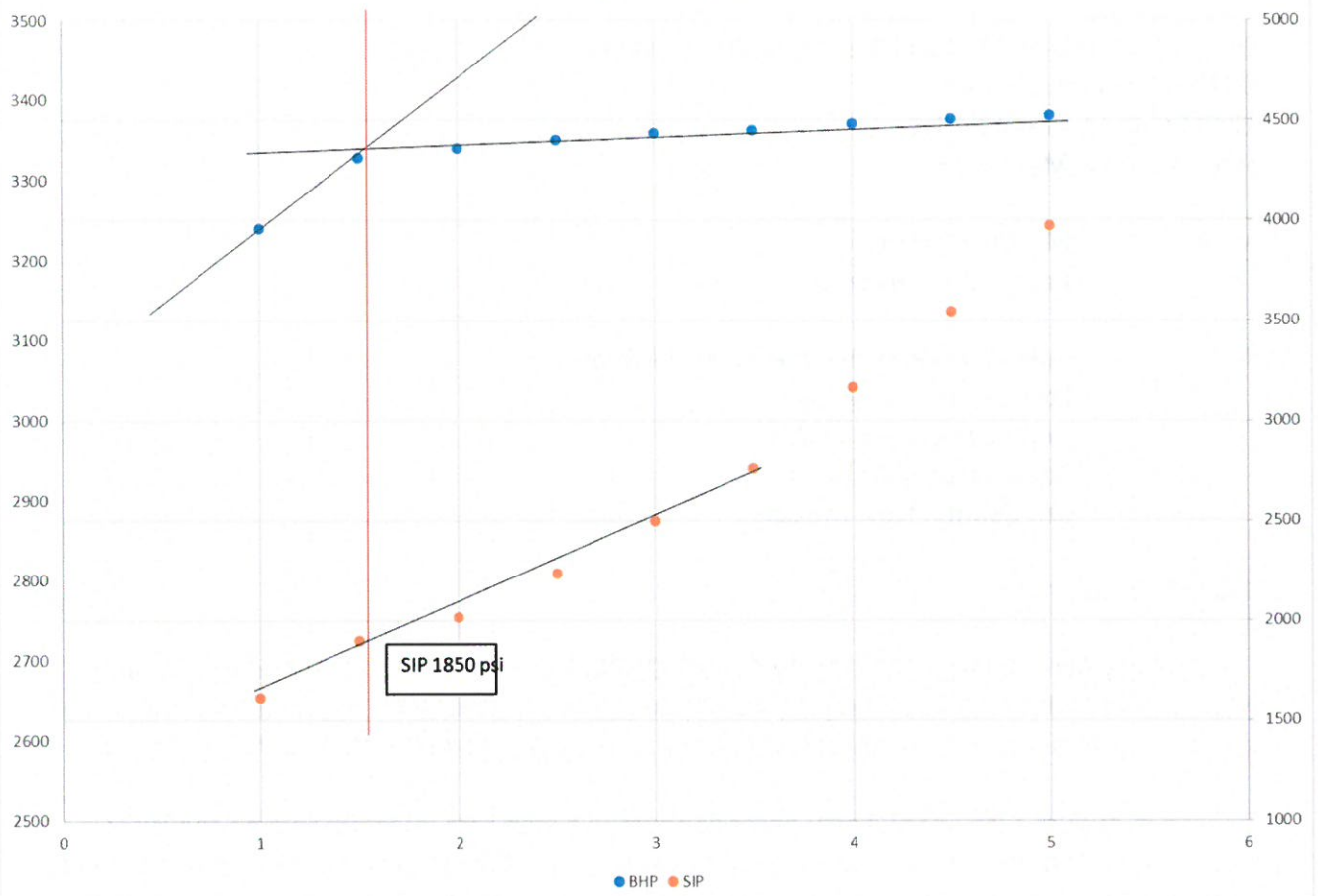
- 1. 3924'-3931'
- 2. 3947'-3951'
- 3. 3957'-3964'
- 4. 3986'-4006'
- 5. 3986'-4006'
- 6. 4016'-4022'
- 7. 4026'-4030'
- 8. 4106'-4113'

TD 4411.75'

5 1/2" 15.5# @ 4453' w/ 330 sx, Circ

Proposed
04/06/2020

WEU 211 SRT - 8/17/20



2239 S Main Street
Lovington, New Mexico 88260
Office# (575)396-9702
Fax # (575)396-9700

• ACID SERVICES

Acid Field Invoice:

6746

Date of Job	8/20/2020	District:	Lovington	New Well:	☐	Old Well:	☐
Customer:	FORTY ACRES			Well #:	211	Lease:	WEU
Address:				County/ Parish	LEA	State:	NM
City:				Field:			
Zip Code:				API#:	Mileage: 50		
Contact Person/Company man:	JAMES MARTINEZ			Salesman:	Mike White		
Contact Number:				Service Supervisor:	LEO SANDOVAL		
Rig Contractor:				Tractor:	Trailer:	Equipment Operators:	
Rig Number:				T1076	AP4001	ALEX HERNANDEZ 15	
Head & Manifold				Sup		JOSE SANDOVAL	
				Sup		LEO SANDOVAL	
STEP RATE							
Gals.	Acid System						
	STEP RATE						

Description	Quantity	Cost per Unit	Unit cost after Discount	List of Price of Services	Discounted Price of Services
Acid Pumping Charges					
Acid Pump 5,001-7,500	1	3,000.0000	\$1,500.0000	\$3,000.0000	\$1,500.0000
Acid Pump Additional Hours	4	500.0000	\$250.0000	\$2,000.0000	\$1,000.0000
Acid Pump Truck Mileage	50	\$6.5000	\$3.2500	\$325.0000	\$162.5000
Acid Treating Van Mileage	50	\$4.5000	\$2.2500	\$225.0000	\$112.5000
Job Monitoring					
Acid Treating Van	1	\$700.0000	\$350.0000	\$700.0000	\$350.0000
Enviromental Charges					
Enviromental Charge	1	\$125.0000	\$62.5000	\$125.0000	\$62.5000
Miscellaneous Equipment Services					
Valve & Swedge Rental 2"	1	\$300.0000	\$150.0000	\$300.0000	\$150.0000
Field Personnel Charges					
Acid Charges					
Blended Acid Systems					
Diversers					
Acidizing Materials					

Price Book Total	\$6,675.00
Discount 50%	\$3,337.50
Job Total	\$3,337.50

CONTRACT CONDITIONS: (This agreement must be signed before work is commenced).

The undersigned, as authorized agent of the customer, agrees and acknowledges that the services, materials, products and supplies provided for in this order shall be subject to the terms and conditions attached Including indemnty and waiver of warranty provisions. No additional terms and conditions shall apply to this order.

Signed: X

Well Owner, Operator, or Agent

Terms-Net

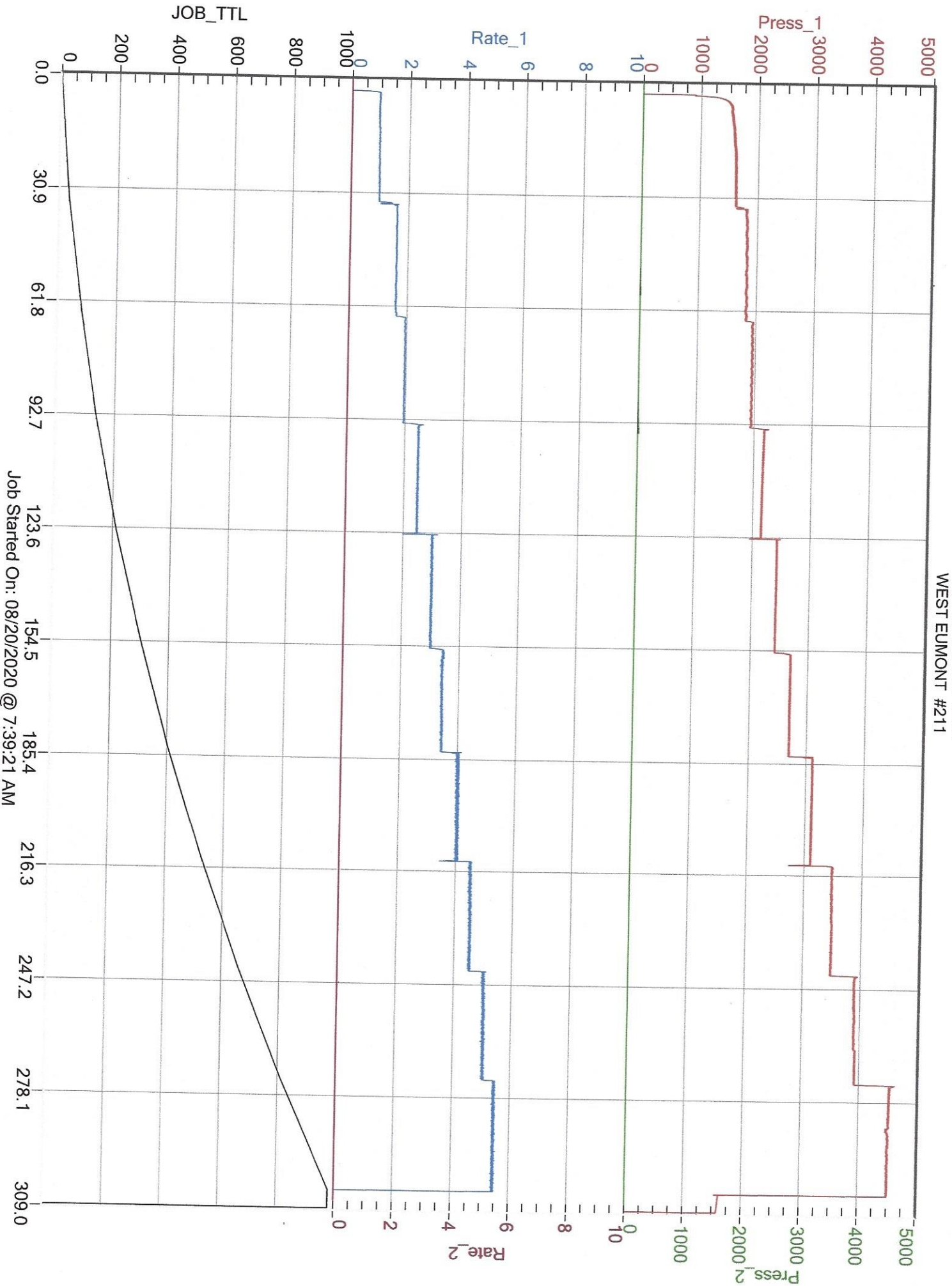
Payable on Receipt
Over 30 Days, Discount Voids

Supervisor: LEO SANDOVAL

Job Log

[illegible]

FORTY ACRES WEST EUMONT #211



Job Started On: 08/20/2020 @ 7:39:21 AM

Pre-Job / Tail Gate Safety Meeting

Lease Name:	WEU	Well No.:	211
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X	
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[illegible]

PRESSURE SURVEY REPORT

Linear Data

Forty Acres Energy, LLC

West Eumont 211

Start Test Date: 20-Aug-2020 10:29:14

Final Test Date: 20-Aug-2020 15:35:33

#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Elapsed Time Hours	Pressure psi(A)	Temp. °F	Pressure psi(A)	Temp. °F
1	2020/08/20 10:29:16	0.0000	2648.75	87.07	933.14	80.95
1 BPM						
2	2020/08/20 10:30:51	0.0264	3108.31	87.29	959.90	80.93
3	2020/08/20 10:32:22	0.0517	3188.38	86.72	1528.07	81.02
4	2020/08/20 10:35:28	0.1033	3213.43	85.44	1621.39	81.78
5	2020/08/20 10:38:34	0.1550	3242.04	84.66	1659.80	83.18
6	2020/08/20 10:41:40	0.2067	3262.55	84.10	1675.85	84.78
7	2020/08/20 10:44:46	0.2583	3276.69	83.68	1681.23	86.29
8	2020/08/20 10:47:52	0.3100	3286.53	83.34	1690.73	87.79
9	2020/08/20 10:50:58	0.3617	3289.19	83.17	1687.01	89.15
10	2020/08/20 10:54:04	0.4133	3290.84	83.03	1684.56	90.34
11	2020/08/20 10:57:10	0.4650	3291.56	82.90	1678.14	91.27
12	2020/08/20 11:00:16	0.5167	3306.63	82.82	1681.89	92.08
1.5 BPM						
13	2020/08/20 11:00:56	0.5278	3314.21	82.82	1704.88	92.25
14	2020/08/20 11:03:22	0.5683	3318.49	82.50	1915.37	92.83
15	2020/08/20 11:06:28	0.6200	3325.97	82.37	1904.63	93.45
16	2020/08/20 11:09:34	0.6717	3328.21	82.51	1918.15	93.95
17	2020/08/20 11:12:40	0.7233	3332.66	82.74	1906.76	94.69
18	2020/08/20 11:15:46	0.7750	3330.70	82.88	1898.21	95.25
19	2020/08/20 11:18:52	0.8267	3328.73	82.99	1893.97	95.79
20	2020/08/20 11:21:58	0.8783	3330.74	83.09	1918.20	96.32
21	2020/08/20 11:25:04	0.9300	3335.59	83.20	1911.43	96.53
22	2020/08/20 11:28:10	0.9817	3332.82	83.30	1900.40	96.91
23	2020/08/20 11:31:16	1.0333	3338.28	83.42	1909.73	97.24
2 BPM						
24	2020/08/20 11:31:58	1.0450	3339.47	83.51	1911.60	97.31
25	2020/08/20 11:34:22	1.0850	3341.39	83.66	2032.63	97.68
26	2020/08/20 11:37:28	1.1367	3341.40	83.86	2034.30	98.21
27	2020/08/20 11:40:34	1.1883	3340.34	84.09	2017.07	98.50
28	2020/08/20 11:43:40	1.2400	3340.74	84.26	2016.51	98.79
29	2020/08/20 11:46:46	1.2917	3337.84	84.39	2010.60	98.98
30	2020/08/20 11:49:52	1.3433	3340.67	84.51	2036.58	99.51
31	2020/08/20 11:52:58	1.3950	3340.11	84.63	2031.32	100.05
32	2020/08/20 11:56:04	1.4467	3340.69	84.74	2006.72	100.51
33	2020/08/20 11:59:10	1.4983	3339.24	84.85	2003.31	100.86
2.5						
34	2020/08/20 12:01:25	1.5358	3349.22	85.18	2012.83	101.05
35	2020/08/20 12:02:16	1.5500	3352.55	85.30	2242.31	101.16

Gauge

Serial Number: V6N

Run Depth (TVD) : 12303.15 ftGL

Gauge

Serial Number: WB2

Run Depth (TVD) : 12303.15 ftGL

Print Filter: Every 186 points

Forty Acres Energy, LLC

West Eumont 211

Start Test Date: 20-Aug-2020 10:29:14

Final Test Date: 20-Aug-2020 15:35:33

#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Elapsed Time Hours	Pressure psi(A)	Temp. °F	Pressure psi(A)	Temp. °F
36	2020/08/20 12:05:22	1.6017	3352.10	85.63	2250.67	101.62
37	2020/08/20 12:08:28	1.6533	3350.70	85.92	2249.32	101.69
38	2020/08/20 12:11:34	1.7050	3352.34	86.07	2256.30	102.14
39	2020/08/20 12:14:40	1.7567	3347.95	86.19	2244.10	102.58
40	2020/08/20 12:17:46	1.8083	3350.09	86.29	2240.55	103.06
41	2020/08/20 12:20:52	1.8600	3350.79	86.39	2242.08	103.22
42	2020/08/20 12:23:58	1.9117	3350.98	86.48	2237.79	103.49
43	2020/08/20 12:27:04	1.9633	3350.20	86.56	2241.34	103.50
44	2020/08/20 12:30:10	2.0150	3345.16	86.64	2256.69	103.38
3 BPM						
45	2020/08/20 12:31:49	2.0425	3360.15	87.04	2520.95	103.47
46	2020/08/20 12:33:16	2.0667	3360.40	87.24	2507.21	103.57
47	2020/08/20 12:36:22	2.1183	3360.64	87.55	2513.57	103.59
48	2020/08/20 12:39:28	2.1700	3360.50	87.71	2511.72	103.85
49	2020/08/20 12:42:34	2.2217	3360.33	87.80	2504.54	104.16
50	2020/08/20 12:45:40	2.2733	3359.71	87.89	2499.82	104.10
51	2020/08/20 12:48:46	2.3250	3359.51	87.96	2518.71	103.60
52	2020/08/20 12:51:52	2.3767	3359.16	88.02	2513.66	103.12
53	2020/08/20 12:54:58	2.4283	3358.38	88.07	2517.05	103.02
54	2020/08/20 12:58:04	2.4800	3358.06	88.12	2498.88	103.08
55	2020/08/20 13:01:10	2.5317	3357.60	88.17	2516.31	102.88
3.5 BPM						
56	2020/08/20 13:03:10	2.5650	3364.09	88.58	2702.93	102.69
57	2020/08/20 13:04:16	2.5833	3363.23	88.73	2783.29	102.62
58	2020/08/20 13:07:22	2.6350	3364.53	88.99	2780.69	102.62
59	2020/08/20 13:10:28	2.6867	3364.19	89.12	2778.64	102.14
60	2020/08/20 13:13:34	2.7383	3364.74	89.19	2768.91	101.85
61	2020/08/20 13:16:40	2.7900	3363.27	89.26	2790.70	101.71
62	2020/08/20 13:19:46	2.8417	3364.10	89.32	2769.79	101.70
63	2020/08/20 13:22:52	2.8933	3362.58	89.38	2769.57	101.63
64	2020/08/20 13:25:58	2.9450	3361.47	89.44	2770.71	101.34
65	2020/08/20 13:29:04	2.9967	3361.70	89.49	2773.69	101.31
4 BPM						
66	2020/08/20 13:31:40	3.0400	3371.87	90.18	3194.58	101.46
67	2020/08/20 13:32:10	3.0483	3372.45	90.28	3184.24	101.45
68	2020/08/20 13:35:16	3.1000	3370.77	90.63	3180.61	101.48
69	2020/08/20 13:38:22	3.1517	3371.75	90.74	3181.10	101.38
70	2020/08/20 13:41:28	3.2033	3370.81	90.81	3179.99	101.34
71	2020/08/20 13:44:34	3.2550	3370.72	90.87	3187.87	101.35

Gauge

Serial Number: V6N

Run Depth (TVD) : 12303.15 ftGL

Gauge

Serial Number: WB2

Run Depth (TVD) : 12303.15 ftGL

Print Filter: Every 186 points

Forty Acres Energy, LLC

West Eumont 211

Start Test Date: 20-Aug-2020 10:29:14

Final Test Date: 20-Aug-2020 15:35:33

#	Date Time/Event(s) yyyy/mm/dd hh:mm:ss	Elapsed Time Hours	Pressure psi(A)	Temp. °F	Pressure psi(A)	Temp. °F
72	2020/08/20 13:47:40	3.3067	3369.94	90.93	3174.05	101.61
73	2020/08/20 13:50:46	3.3583	3371.61	90.98	3185.20	101.84
74	2020/08/20 13:53:52	3.4100	3369.86	91.03	3176.34	102.17
75	2020/08/20 13:56:58	3.4617	3370.88	91.08	3171.99	103.02
76	2020/08/20 14:00:04	3.5133	3371.95	91.11	3172.81	103.72
4.5 BPM						
77	2020/08/20 14:01:07	3.5308	3375.37	91.57	3172.64	103.98
78	2020/08/20 14:03:10	3.5650	3376.11	91.97	3552.88	104.52
79	2020/08/20 14:06:16	3.6167	3376.54	92.23	3545.04	105.54
80	2020/08/20 14:09:22	3.6683	3375.95	92.32	3547.24	106.15
81	2020/08/20 14:12:28	3.7200	3376.22	92.39	3538.57	106.57
82	2020/08/20 14:15:34	3.7717	3376.28	92.45	3550.42	105.69
83	2020/08/20 14:18:40	3.8233	3375.95	92.52	3553.80	104.36
84	2020/08/20 14:21:46	3.8750	3375.97	92.57	3551.02	104.34
85	2020/08/20 14:24:52	3.9267	3375.87	92.62	3549.13	105.56
86	2020/08/20 14:27:58	3.9783	3375.66	92.66	3550.36	106.99
87	2020/08/20 14:31:04	4.0300	3381.02	93.24	3558.17	108.09
5 BPM						
88	2020/08/20 14:31:12	4.0322	3380.85	93.28	3647.21	108.16
89	2020/08/20 14:34:10	4.0817	3381.67	93.74	3949.80	108.83
90	2020/08/20 14:37:16	4.1333	3382.47	93.88	3949.54	109.52
91	2020/08/20 14:40:22	4.1850	3381.88	93.96	3964.34	110.01
92	2020/08/20 14:43:28	4.2367	3380.82	94.04	3966.63	110.24
93	2020/08/20 14:46:34	4.2883	3382.22	94.09	3952.70	109.80
94	2020/08/20 14:49:40	4.3400	3380.81	94.14	3947.16	110.29
95	2020/08/20 14:52:46	4.3917	3380.56	94.25	3983.02	111.09
96	2020/08/20 14:55:52	4.4433	3381.26	94.29	3978.02	111.43
97	2020/08/20 14:58:58	4.4950	3381.01	94.33	3974.05	111.50
5.5 BPM						
98	2020/08/20 15:00:58	4.5283	3390.96	95.45	4265.28	112.01
99	2020/08/20 15:02:04	4.5467	3391.09	95.74	4602.60	112.18
100	2020/08/20 15:05:10	4.5983	3392.42	96.03	4582.19	112.94
101	2020/08/20 15:08:16	4.6500	3391.11	96.11	4579.42	112.58
102	2020/08/20 15:11:22	4.7017	3390.89	96.17	4577.28	112.03
103	2020/08/20 15:14:28	4.7533	3391.29	96.13	4550.67	112.11
104	2020/08/20 15:17:34	4.8050	3391.21	96.17	4545.40	112.07
105	2020/08/20 15:20:40	4.8567	3390.34	96.23	4537.49	111.99
106	2020/08/20 15:23:46	4.9083	3390.61	96.27	4525.39	111.66
107	2020/08/20 15:26:52	4.9600	3391.10	96.31	4534.89	111.91

Gauge

Serial Number: V6N

Run Depth (TVD) : 12303.15 ftGL

Gauge

Serial Number: WB2

Run Depth (TVD) : 12303.15 ftGL

Print Filter: Every 186 points

Linear (V6N_ , WB2_)

