

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-45274
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name FRONTIER 32-23-26 STATE
8. Well Number 431H
9. OGRID Number 246289
10. Pool name or Wildcat PURPLE SAGE; WOLFCAMP (GAS)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other
2. Name of Operator RKI EXPLORATION & PRODUCTION, LLC
3. Address of Operator
3500 ONE WILLIAMS CENTER, MD: 35, TULSA, OK 74172

4. Well Location
Unit Letter P : 248 feet from the S line and 350 feet from the E line
Section 32 Township 23S Range 26E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,463 RKB

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☒
OTHER: CSG/CMT JOB & RIG RELEASE ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The following is the data for setting the Liner and also notification of the Rig Release:

Set Liner: 12-10-2018
Size of Pipe: 4 1/2" Weight: 13.5# Grade: P-110HC
567 sx 14.5 ppg class G Tall (100% return flow)
Bumped Plug w/ 3,749 psi
Centralizers Used: 50
Depth of Hole: 13,682' MD
Top of Liner: 8,168' MD
Float Shoe set at: 13,682' MD Float Collar set at: 13,596' MD
Top of Cement: 8,168' MD
Tested Casing for 30 mins to 2,500 psi.

Rig Released: 12-11-2018

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 12 2018

RECEIVED

Spud Date:

11-26-2018

Rig Release Date:

12-11-2018

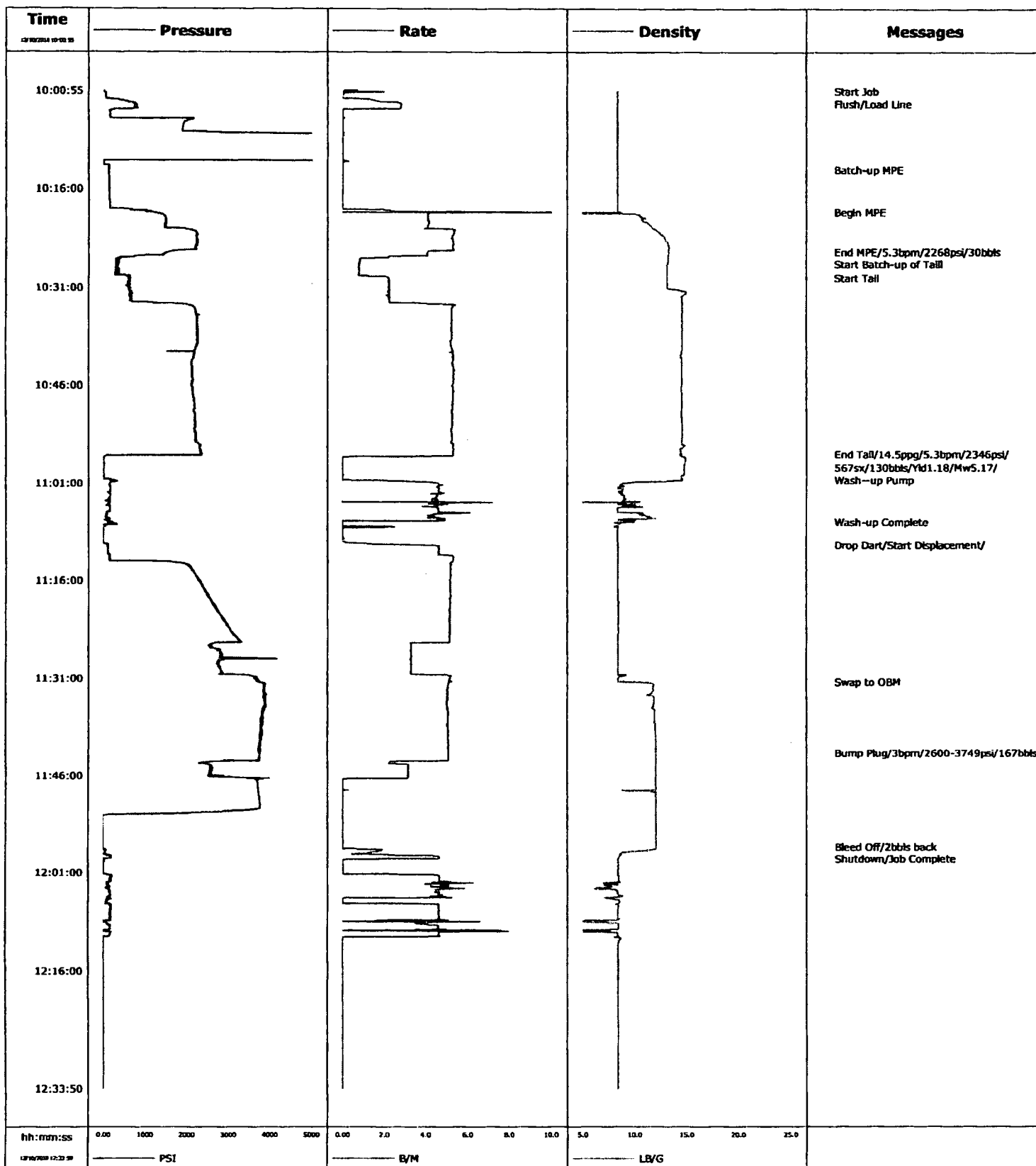
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Lorri Kline Digitally signed by Lorri Kline
DN: cn=Lorri Kline, o=ou,
email=LORRI.KLINE@WPXENERGY.CO
A, c=US
Date: 2018.12.12 12:36:34 -0500 TITLE REGULATORY TECH II DATE 12-12-2018

Type or print name LORRI KLINE E-mail address: lorri.kline@wpxenergy.com PHONE: 539-573-3518
For State Use Only

APPROVED BY: Rusty Kline TITLE Business Development Spec A DATE 12-12-2018
Conditions of Approval (if any):

Well	Frontier 32-23-26 State 431H	Client	WPX Energy
Field		SIR No.	2881155
Engineer	Jerry R McVay Jr	Job Type	Liner Hanger
Country	United States	Job Date	12/10/2018





Cementing Service Report

				Customer WPX Energy		Job Number 2881155		
Well Frontier 32-23-26 State 431H			Location (legal) 0631787636		Schlumberger Location Hobbs, NM		Job Start Dec/10/2018	
Field		Formation Name/Type		Deviation 90 deg	Bit Size 6.1 in	Well MD 13682.0 ft	Well TVD 8931.0 ft	
County Eddy		State/Province NM		BHP 7250 psi	BHST 164 degF	BHCT 162 degF	Pore Press. Gradient lb/gal	
Well Master 0631787636		API/UWI 30015452740000						
Rig Name H&P 265	Drilled For Oil	Service Via Land		Casing/Liner				
Offshore Zone	Well Class New	Well Type Development		Depth, ft	Size, in	Weight, lb/ft	Grade	
				9140.0	7.0	29.0	P110	
				13682.0	4.5	13.5	S135	
Drilling Fluid Type OBM		Max. Density 11.6 lb/gal	Plastic Viscosity 20 cP	Tubing/Drill Pipe				
				T/D	Depth, ft	Size, in	Weight, lb/ft	
Service Line Cement		Job Type Liner Hanger						
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection DP				
Service Instructions LINER: Provide service and equipment to cement 13,436' of 4 1/2" Liner inside of 6 1/8" Open Hole with 116 bbls of Tail @ 8,208' (Liner Top). 30 bbls MPEXpress Spacer ahead. Displace 4 1/2" portion with Sugar Water (5ppb), followed by 10 bbl FW, followed by OBM. 90' shoe track				Perforations/Open Hole				
				Top, ft	Bottom, ft	Shot/ft	No. of Shocks	Total Interval ft
				ft	ft			
				ft	ft			Diameter in
				Treat Down Casing	Displacement 167.0 bbl	Packer Type ZXHD Liner Top Packer	Packer Depth 8193.5 ft	
				Tubing Vol. bbl	Casing Vol. 173.8 bbl	Annular Vol. 190.0 bbl	Openhole Vol. 76.2 bbl	
Casing/Tubing Secured ☒ 1 Hole Vol. Circulated prior to Cement ☒				Casing Tools		Squeeze Job		
Lift Pressure 11849 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated ☐ Pipe Reciprocated ☐				Shoe Depth 13680 ft		Tool Type		
No. Centralizers		Top Plugs 1	Bottom Plugs	Stage Tool Type ZXHD		Tool Depth ft		
Cement Head Type DP				Stage Tool Depth 8193.45 ft		Tail Pipe Size in		
Job Scheduled For Dec/10/2018 00:01		Arrived on Location Dec/10/2018 05:30		Leave Location Dec/10/2018 13:00		Collar Type Float		
						Collar Depth 13593 ft		
						Sqr. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BSL	Message		
12/10/2018	10:00:55	14	0.7	8.38	0.0	Start Job		
12/10/2018	10:01:25	53	0.0	8.39	0.2			
12/10/2018	10:01:55	54	0.0	8.39	0.2			
12/10/2018	10:02:25	461	1.4	8.40	0.5			
12/10/2018	10:02:54	755	2.7	8.39	1.5	Flush/Load Line		
12/10/2018	10:02:55	755	2.7	8.39	1.5			
12/10/2018	10:03:25	780	2.8	8.39	2.9			
12/10/2018	10:03:55	214	0.0	8.39	4.0			
12/10/2018	10:04:25	152	0.0	8.39	4.0			
12/10/2018	10:04:55	152	0.0	8.39	4.0			
12/10/2018	10:05:25	2094	0.0	8.39	4.0			
12/10/2018	10:05:55	1934	0.0	8.39	4.0			
12/10/2018	10:06:25	1912	0.0	8.39	4.0			
12/10/2018	10:06:55	1899	0.0	8.39	4.0			
12/10/2018	10:07:25	2815	0.0	8.39	4.0			
12/10/2018	10:07:55	7484	0.1	8.39	4.0			
12/10/2018	10:08:25	8277	0.0	8.39	4.0			
12/10/2018	10:08:55	8261	0.0	8.39	4.0			
12/10/2018	10:09:25	8249	0.0	8.39	4.0			
12/10/2018	10:09:55	8239	0.0	8.39	4.0			
12/10/2018	10:10:25	8232	0.0	8.39	4.0			

Well Frontier 32-23-26 State 431H			Field	Job Start Dec/10/2018	Customer WPX Energy	Job Number 2881155
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BSL	Message
12/10/2018	10:11:25	8219	0.0	8.40	4.0	
12/10/2018	10:11:55	-1	0.1	8.40	4.0	
12/10/2018	10:12:25	1	0.0	8.39	4.0	
12/10/2018	10:12:55	131	0.0	8.39	4.0	Batch-up MPE
12/10/2018	10:13:25	132	0.0	8.39	4.0	
12/10/2018	10:13:55	132	0.0	8.39	4.0	
12/10/2018	10:14:25	139	0.0	8.39	4.0	
12/10/2018	10:14:55	137	0.0	8.39	4.0	
12/10/2018	10:15:25	139	0.0	8.39	4.0	
12/10/2018	10:15:55	134	0.0	8.39	4.0	
12/10/2018	10:16:25	140	0.0	8.39	4.0	
12/10/2018	10:17:25	140	0.0	8.39	4.0	
12/10/2018	10:17:55	145	0.0	8.39	4.0	
12/10/2018	10:18:25	147	0.0	8.39	4.0	
12/10/2018	10:18:55	148	0.0	8.39	4.0	
12/10/2018	10:19:25	747	2.3	8.39	4.6	Begin MPE
12/10/2018	10:19:55	1396	4.1	10.46	7.7	
12/10/2018	10:20:25	1495	4.1	11.08	9.8	
12/10/2018	10:20:55	1507	4.1	11.04	11.8	
12/10/2018	10:21:25	1486	4.1	11.49	13.9	
12/10/2018	10:21:55	1489	4.1	11.79	15.9	
12/10/2018	10:22:25	2179	5.4	12.30	18.4	
12/10/2018	10:22:55	2234	5.3	12.68	21.1	
12/10/2018	10:23:25	2247	5.2	12.94	23.7	
12/10/2018	10:23:55	2268	5.3	13.11	26.4	
12/10/2018	10:24:25	2244	5.3	13.26	29.0	
12/10/2018	10:24:55	2209	5.3	13.33	31.7	
12/10/2018	10:25:25	1758	4.1	13.30	34.3	End MPE/5.3bpm/2268psi/30bbbls
12/10/2018	10:25:55	1439	4.0	13.28	36.3	
12/10/2018	10:26:25	736	2.2	13.27	37.9	
12/10/2018	10:26:55	366	0.9	13.25	38.4	Start Batch-up of Tail
12/10/2018	10:27:25	309	0.8	13.13	38.8	
12/10/2018	10:27:55	306	0.8	13.18	39.2	
12/10/2018	10:28:25	326	0.8	13.18	39.6	
12/10/2018	10:28:55	322	0.8	13.18	40.0	
12/10/2018	10:29:25	593	2.2	13.16	40.6	Start Tail
12/10/2018	10:29:55	623	2.2	13.17	41.7	
12/10/2018	10:30:25	595	2.2	13.17	42.9	
12/10/2018	10:30:55	596	2.2	13.17	44.0	
12/10/2018	10:31:25	612	2.2	14.65	45.1	
12/10/2018	10:31:55	646	2.2	14.86	46.2	
12/10/2018	10:32:25	659	2.2	14.51	47.3	
12/10/2018	10:32:55	662	2.2	14.56	48.4	
12/10/2018	10:33:25	1193	4.0	14.61	49.7	
12/10/2018	10:33:55	2133	5.3	14.61	52.3	
12/10/2018	10:34:25	2180	5.2	14.59	54.9	
12/10/2018	10:34:55	2201	5.2	14.57	57.5	
12/10/2018	10:35:25	2235	5.2	14.56	60.1	
12/10/2018	10:35:55	2238	5.2	14.57	62.7	
12/10/2018	10:36:25	2227	5.2	14.57	65.3	
12/10/2018	10:36:55	2235	5.2	14.56	67.9	
12/10/2018	10:37:25	2261	5.2	14.57	70.6	
12/10/2018	10:37:55	2246	5.2	14.57	73.2	
12/10/2018	10:38:25	2255	5.2	14.55	75.8	

Well Frontier 32-23-26 State 431H			Field		Job Start Dec/10/2018		Customer WPX Energy		Job Number 2881155	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
12/10/2018	10:39:25	2272	5.2	14.58	81.0					
12/10/2018	10:39:55	2238	5.2	14.54	83.6					
12/10/2018	10:40:25	2193	5.3	14.54	86.2					
12/10/2018	10:40:55	2197	5.3	14.49	88.8					
12/10/2018	10:41:25	2166	5.3	14.47	91.5					
12/10/2018	10:41:55	2154	5.3	14.49	94.1					
12/10/2018	10:42:25	2124	5.3	14.52	96.8					
12/10/2018	10:42:55	2112	5.3	14.54	99.4					
12/10/2018	10:43:25	2133	5.3	14.53	102.1					
12/10/2018	10:43:55	2137	5.3	14.52	104.7					
12/10/2018	10:44:25	2122	5.3	14.55	107.3					
12/10/2018	10:44:55	2127	5.3	14.54	110.1					
12/10/2018	10:45:25	2130	5.3	14.56	112.7					
12/10/2018	10:45:55	2109	5.3	14.53	115.4					
12/10/2018	10:46:25	2144	5.3	14.50	118.0					
12/10/2018	10:46:55	2146	5.3	14.52	120.6					
12/10/2018	10:47:25	2148	5.3	14.53	123.3					
12/10/2018	10:47:55	2177	5.3	14.54	125.9					
12/10/2018	10:48:25	2186	5.3	14.54	128.6					
12/10/2018	10:48:55	2180	5.3	14.54	131.2					
12/10/2018	10:49:25	2179	5.3	14.53	133.9					
12/10/2018	10:49:55	2162	5.2	14.52	136.5					
12/10/2018	10:50:25	2189	5.3	14.51	139.1					
12/10/2018	10:50:55	2200	5.2	14.53	141.7					
12/10/2018	10:51:25	2202	5.2	14.56	144.4					
12/10/2018	10:51:55	2205	5.2	14.58	147.0					
12/10/2018	10:52:25	2214	5.2	14.59	149.6					
12/10/2018	10:52:55	2187	5.2	14.59	152.2					
12/10/2018	10:53:25	2220	5.2	14.59	154.8					
12/10/2018	10:53:55	2220	5.2	14.57	157.5					
12/10/2018	10:54:25	2202	5.2	14.56	160.1					
12/10/2018	10:54:55	2281	5.3	14.58	162.7					
12/10/2018	10:55:25	2331	5.3	14.61	165.3					
12/10/2018	10:55:55	2325	5.3	14.45	168.0					
12/10/2018	10:56:25	2346	5.3	14.46	170.6	End Tail/14.5ppg/5.3bpm/2346psi/				
12/10/2018	10:56:55	39	0.0	14.90	172.7					
12/10/2018	10:57:25	11	0.0	14.90	172.7					
12/10/2018	10:57:55	18	0.0	14.82	172.7					
12/10/2018	10:58:25	12	0.0	14.80	172.7					
12/10/2018	10:58:30	11	0.0	14.80	172.7	567sx/130bbls/Yd1.18/Mw5.17/				
12/10/2018	10:58:55	12	0.0	14.79	172.7					
12/10/2018	10:59:25	11	0.0	14.79	172.7					
12/10/2018	10:59:55	10	0.0	14.52	172.7					
12/10/2018	11:00:25	90	0.4	14.64	172.7	Wash-up Pump				
12/10/2018	11:00:55	167	4.6	8.93	174.3					
12/10/2018	11:01:25	148	4.5	8.77	176.6					
12/10/2018	11:01:55	175	4.6	8.96	178.9					
12/10/2018	11:02:25	114	4.6	8.62	181.2					
12/10/2018	11:02:55	173	4.5	9.02	183.5					
12/10/2018	11:03:25	172	4.6	9.11	185.7					
12/10/2018	11:03:55	167	4.7	8.66	187.9					
12/10/2018	11:04:25	96	3.8	8.78	190.2					
12/10/2018	11:04:55	183	4.6	8.39	192.5					
12/10/2018	11:05:25	106	5.9	9.94	194.8					

Well Frontier 32-23-26 State 431H			Field	Job Start Dec/10/2018	Customer WPX Energy	Job Number 2881155
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
12/10/2018	11:06:25	134	4.8	10.03	199.4	
12/10/2018	11:06:55	139	0.0	9.18	200.7	Wash-up Complete
12/10/2018	11:07:25	146	0.0	8.32	200.7	
12/10/2018	11:07:55	-5	0.0	8.38	201.1	
12/10/2018	11:08:25	-9	0.0	8.39	201.1	
12/10/2018	11:08:55	-9	0.0	8.39	201.1	
12/10/2018	11:09:25	-8	0.1	8.37	201.1	
12/10/2018	11:09:55	-8	0.0	8.40	201.1	
12/10/2018	11:10:25	72	3.2	8.39	201.6	Drop Dart/Start Displacement/
12/10/2018	11:10:55	105	4.6	8.44	203.9	
12/10/2018	11:11:25	108	4.6	8.42	206.2	
12/10/2018	11:11:55	104	4.6	8.42	208.5	
12/10/2018	11:12:25	160	5.3	8.41	211.1	
12/10/2018	11:12:55	147	5.3	8.43	213.8	
12/10/2018	11:13:25	1966	5.2	8.42	216.4	
12/10/2018	11:13:55	2078	5.2	8.42	219.0	
12/10/2018	11:14:25	2138	5.2	8.42	221.6	
12/10/2018	11:14:55	2193	5.2	8.44	224.2	
12/10/2018	11:15:25	2249	5.2	8.44	226.7	
12/10/2018	11:15:55	2311	5.2	8.44	229.3	
12/10/2018	11:16:25	2329	5.2	8.44	231.9	
12/10/2018	11:16:55	2384	5.2	8.44	234.5	
12/10/2018	11:17:25	2436	5.2	8.44	237.1	
12/10/2018	11:17:55	2503	5.2	8.44	239.7	
12/10/2018	11:18:25	2521	5.2	8.44	242.3	
12/10/2018	11:18:55	2563	5.2	8.44	244.8	
12/10/2018	11:19:25	2633	5.2	8.49	247.4	
12/10/2018	11:19:55	2656	5.2	8.47	250.0	
12/10/2018	11:20:25	2731	5.2	8.46	252.6	
12/10/2018	11:20:55	2763	5.2	8.45	255.2	
12/10/2018	11:21:25	2820	5.1	8.48	257.7	
12/10/2018	11:21:55	2892	5.1	8.48	260.3	
12/10/2018	11:22:25	2953	5.1	8.48	262.9	
12/10/2018	11:22:55	2980	5.2	8.48	265.4	
12/10/2018	11:23:25	3032	5.2	8.48	268.0	
12/10/2018	11:23:55	3108	5.1	8.45	270.6	
12/10/2018	11:24:25	3151	5.1	8.44	273.1	
12/10/2018	11:24:55	3249	5.1	8.43	275.7	
12/10/2018	11:25:25	2777	3.2	8.43	278.2	
12/10/2018	11:25:55	2518	3.3	8.40	279.8	
12/10/2018	11:26:25	2735	3.3	8.40	281.5	
12/10/2018	11:26:55	2791	3.3	8.40	283.1	
12/10/2018	11:27:25	2808	3.3	8.40	284.7	
12/10/2018	11:27:55	2980	3.3	8.40	286.4	
12/10/2018	11:28:25	2752	3.3	8.40	288.0	
12/10/2018	11:28:55	2741	3.3	8.40	289.6	
12/10/2018	11:29:25	2802	3.3	8.40	291.3	
12/10/2018	11:29:55	2815	3.3	8.40	292.9	
12/10/2018	11:30:25	3326	5.1	9.17	294.7	
12/10/2018	11:30:55	3666	5.1	8.42	297.2	
12/10/2018	11:31:25	3676	5.2	9.18	299.8	Swap to OBM
12/10/2018	11:31:55	3871	5.0	11.81	302.4	
12/10/2018	11:32:25	3851	5.0	11.77	304.9	
12/10/2018	11:32:55	3856	5.0	11.76	307.4	

Well Frontier 32-23-26 State 431H			Field	Job Start Dec/10/2018	Customer WPX Energy	Job Number 2881155
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
12/10/2018	11:33:55	3843	5.0	11.87	312.4	
12/10/2018	11:34:25	3881	5.0	11.87	314.9	
12/10/2018	11:34:55	3888	5.0	11.84	317.4	
12/10/2018	11:35:25	3836	5.0	11.70	320.0	
12/10/2018	11:35:55	3822	5.1	11.94	322.5	
12/10/2018	11:36:25	3825	5.1	11.93	325.0	
12/10/2018	11:36:55	3814	5.0	11.93	327.5	
12/10/2018	11:37:25	3816	5.0	11.93	330.1	
12/10/2018	11:37:55	3783	5.0	12.01	332.6	
12/10/2018	11:38:25	3778	5.1	12.01	335.1	
12/10/2018	11:38:55	3816	5.0	12.01	337.6	
12/10/2018	11:39:25	3756	5.1	12.02	340.2	
12/10/2018	11:39:55	3793	5.1	12.07	342.7	
12/10/2018	11:40:25	3751	5.1	12.07	345.2	
12/10/2018	11:40:55	3749	5.1	12.07	347.8	
12/10/2018	11:41:25	3752	5.1	12.07	350.3	
12/10/2018	11:41:55	3707	5.1	12.05	352.8	
12/10/2018	11:42:25	3757	5.1	12.05	355.4	Bump Plug/3bpm/2600-3749psi/167bbls
12/10/2018	11:42:55	3735	5.1	12.05	357.9	
12/10/2018	11:43:25	3717	5.1	12.06	360.5	
12/10/2018	11:43:55	2468	2.3	12.04	362.5	
12/10/2018	11:44:25	2600	3.2	12.05	363.9	
12/10/2018	11:44:55	2614	3.2	12.06	365.5	
12/10/2018	11:45:25	2559	3.1	12.05	367.0	
12/10/2018	11:45:55	2538	3.2	12.05	368.6	
12/10/2018	11:46:25	3519	0.6	12.06	370.1	
12/10/2018	11:46:55	3694	0.0	12.06	370.2	
12/10/2018	11:47:25	3701	0.0	12.06	370.2	
12/10/2018	11:47:55	3708	0.0	12.06	370.2	
12/10/2018	11:48:25	3719	0.0	11.73	370.2	
12/10/2018	11:48:55	3729	0.0	12.06	370.2	
12/10/2018	11:49:25	3737	0.0	12.07	370.2	
12/10/2018	11:49:55	3749	0.0	12.07	370.2	
12/10/2018	11:50:25	3757	0.0	12.07	370.2	
12/10/2018	11:50:55	3767	0.0	12.07	370.2	
12/10/2018	11:51:25	3089	0.0	12.07	370.2	
12/10/2018	11:51:55	665	0.0	12.07	370.2	
12/10/2018	11:52:25	-5	0.0	12.07	370.2	
12/10/2018	11:52:55	-5	0.0	12.07	370.2	
12/10/2018	11:53:25	-5	0.0	12.07	370.2	
12/10/2018	11:53:55	-6	0.0	12.07	370.2	
12/10/2018	11:54:25	-5	0.0	12.07	370.3	
12/10/2018	11:54:55	-4	0.0	12.07	370.3	
12/10/2018	11:55:25	-5	0.0	12.07	370.3	
12/10/2018	11:55:55	-3	0.0	12.07	370.3	
12/10/2018	11:56:25	-5	0.0	12.07	370.3	
12/10/2018	11:56:55	-5	0.0	12.07	370.3	Bleed Off/2bbls back
12/10/2018	11:57:00	-5	0.0	12.08	370.3	Shutdown/Job Complete
12/10/2018	11:57:25	68	1.9	11.61	370.5	
12/10/2018	11:57:55	54	1.2	8.76	371.3	
12/10/2018	11:58:25	171	4.6	8.56	372.4	
12/10/2018	11:58:55	28	0.0	8.43	374.2	
12/10/2018	11:59:25	0	0.0	8.43	374.2	
12/10/2018	11:59:55	2	0.0	8.43	374.2	

Well	Field	Job Start	Customer	Job Number	Message
Frontier 32-23-26 State 431H					
Date	Time 24-hr	Flow Rate gpm	Density lb/c	Volume bbl	
12/10/2018	12:00:55	1	8.42	374.2	
12/10/2018	12:01:25	189	8.49	375.3	
12/10/2018	12:01:55	169	8.48	377.6	
12/10/2018	12:02:25	88	8.62	379.9	
12/10/2018	12:02:55	101	7.63	382.4	
12/10/2018	12:03:25	98	6.50	384.9	
12/10/2018	12:03:55	155	8.37	387.2	
12/10/2018	12:04:25	178	8.54	389.5	
12/10/2018	12:04:55	102	7.82	391.6	
12/10/2018	12:05:25	190	8.39	392.4	
12/10/2018	12:05:55	177	8.40	394.7	
12/10/2018	12:06:25	186	8.39	397.0	
12/10/2018	12:06:55	160	8.39	399.3	
12/10/2018	12:07:25	156	8.40	401.6	
12/10/2018	12:08:25	8	0.30	403.4	
12/10/2018	12:08:55	138	8.47	405.1	
12/10/2018	12:09:25	167	8.45	407.4	
12/10/2018	12:09:55	90	5.69	409.4	
12/10/2018	12:10:25	169	8.39	411.8	
12/10/2018	12:10:55	-8	8.70	413.2	
12/10/2018	12:11:25	-9	8.51	413.2	
12/10/2018	12:11:55	-7	8.44	413.2	
12/10/2018	12:12:25	-8	8.42	413.2	
12/10/2018	12:12:55	-8	8.41	413.2	
12/10/2018	12:13:25	-9	8.41	413.2	
12/10/2018	12:13:55	-10	8.41	413.2	
12/10/2018	12:14:25	-8	8.41	413.2	
12/10/2018	12:14:55	-9	8.41	413.2	
12/10/2018	12:15:25	-9	8.41	413.2	
12/10/2018	12:15:55	-9	8.41	413.2	
12/10/2018	12:16:25	-8	8.41	413.2	
12/10/2018	12:16:55	-9	8.41	413.2	
12/10/2018	12:17:25	-8	8.41	413.2	
12/10/2018	12:17:55	-8	8.41	413.2	
12/10/2018	12:18:25	-8	8.41	413.2	
12/10/2018	12:18:55	-7	8.41	413.2	
12/10/2018	12:19:25	-8	8.41	413.2	
12/10/2018	12:19:55	-7	8.41	413.2	
12/10/2018	12:20:25	-8	8.41	413.2	
12/10/2018	12:20:55	-7	8.41	413.2	
12/10/2018	12:21:25	-8	8.41	413.2	
12/10/2018	12:21:55	-7	8.41	413.2	
12/10/2018	12:22:25	-7	8.41	413.2	
12/10/2018	12:22:55	-8	8.41	413.2	
12/10/2018	12:23:25	-7	8.41	413.2	
12/10/2018	12:23:55	-7	8.41	413.2	
12/10/2018	12:24:25	-7	8.41	413.2	
12/10/2018	12:24:55	-6	8.41	413.2	
12/10/2018	12:25:25	-6	8.41	413.2	
12/10/2018	12:25:55	-7	8.41	413.2	
12/10/2018	12:26:25	-6	8.41	413.2	
12/10/2018	12:26:55	-7	8.41	413.2	
12/10/2018	12:27:55	-7	8.41	413.2	
12/10/2018	12:28:25	-6	8.41	413.2	

Well Frontier 32-23-26 State 431H			Field		Job Start Dec/10/2018		Customer WPX Energy		Job Number 2881155	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BSL	Message				
12/10/2018	12:29:25	-7	0.0	8.41	413.2					
12/10/2018	12:30:25	-7	0.0	8.41	413.2					
12/10/2018	12:30:55	-7	0.0	8.41	413.2					
12/10/2018	12:31:25	-7	0.0	8.41	413.2					
12/10/2018	12:31:55	-7	0.0	8.41	413.2					
12/10/2018	12:32:25	-7	0.0	8.41	413.2					
12/10/2018	12:32:55	-7	0.0	8.41	413.2					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry 130bbls	Mud 77bbls	Spacer 30bbls	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to 3700	Breakdown	Type Liner Hanger	Volume bbl	Density lb/gal	
	0							
Avg. N2 Percent %	Designed Slurry Volume 110.0 bbl	Displacement 167 bbl	Mix Water Temp 58 degF	Cement Circulated to Surface? ☒	Volume 26 bbl			
				Washed Three Perfs ☐	To ft			
Customer or Authorized Representative			Schlumberger Supervisor Jerry R McVay Jr	Circulation Lost ☐	Job Completed ☒			