

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 DISTRICT
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.
30-015-45471
Indicate Type of Lease
STATE ☐ FEB ☒
State Oil & Gas Lease No.

FEB 14 2019

RECEIVED

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 H : 1493 feet from the N line and 460 feet from the W line
Section 15 Township 23S Range 27E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,141 RKB

7. Lease Name or Unit Agreement Name
BLOODHOUND 15-23-27 FEB

8. Well Number 401H

9. OGRID Number 246289

10. Pool name or Wildcat
PURPLE SAGE; WOLFCAMP (GAS)

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 AND 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.

Please be advised that the above referenced well had the Liner Casing/Cement job and Rig Released as follows:

Date of Casing/Cement Job: 01/16/2019

Hole size: 6 1/8 Pipe size: 4 1/2

Weight: 13.5# Grade: P-110HC

Sx : Pump 625 sx of 14.5 ppg Class G Tail, 100% return flow. 38 bbls (180 sx) of excess cmt to surface on bottoms up.

Centralizers Used: 56

Depth of Hole 13,851' MD

Float Shoe Set @ 13,851' MD

Top of Liner @ 8,407' MD

Bottom of Liner @ 13,851'

Top of Cement @ 8,407' MD

Tested Casing for 30 mins to 2500 psi, test good.

Rig Released: 01/17/2019

Spud Date:

01/04/2019

Rig Release Date:

01/17/2019

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=wp
email=LORRI.KLINE@WPXENERGY.COM,
c=US
Date: 2019.01.21 13:42:28 -0500

TITLE REGULATORY TECH II

DATE 01/21/2019

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

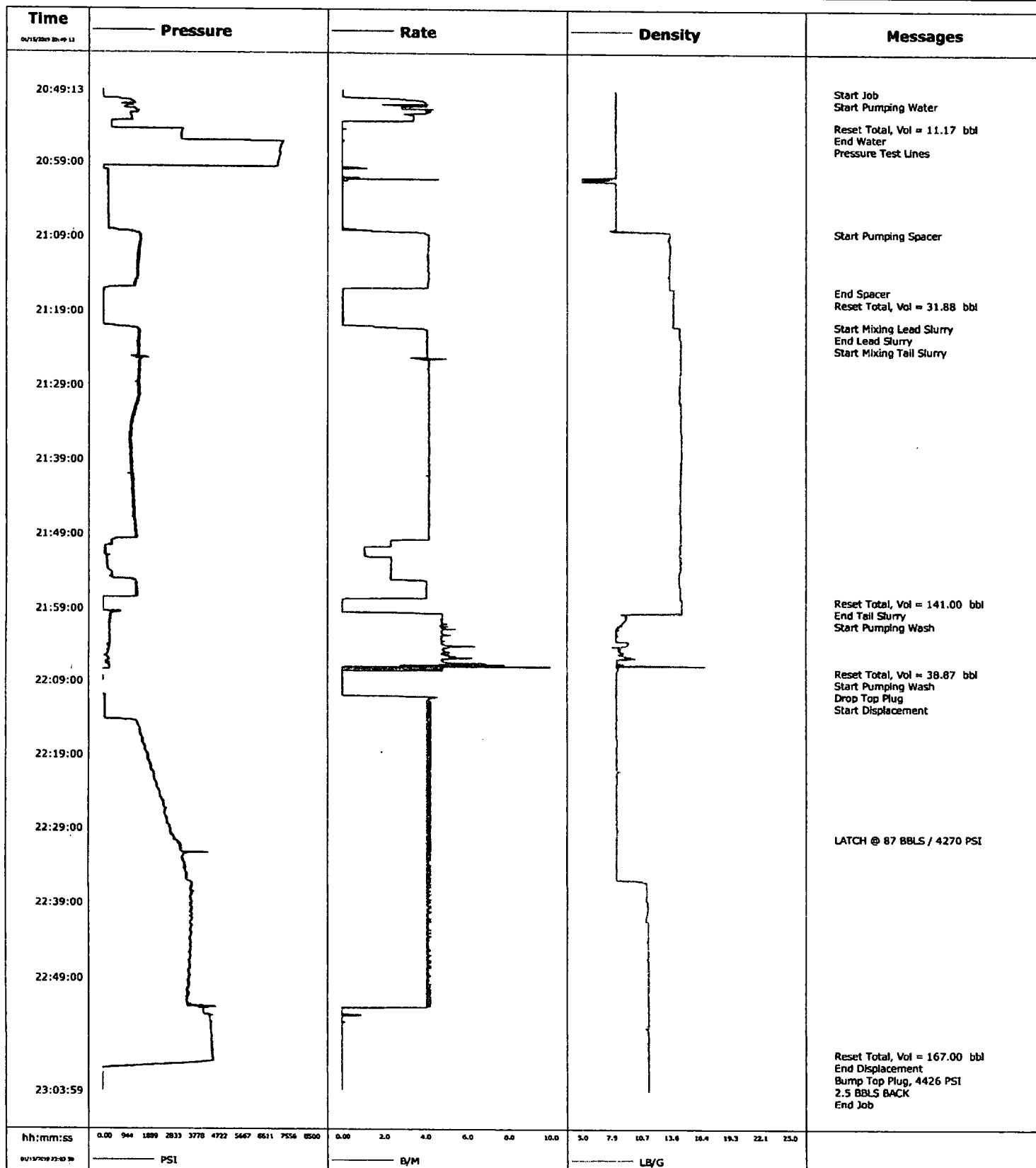
Business Ops Spec A

DATE

2-14-19

Conditions of Approval (if any)

Well	BLOODHOUND 15-23-27 FEE 401H	Client	WPX ENERGY PRODUCTION LLC
Field	WOLFCAMP Y	SIR No.	E660-00124
Engineer	HECTOR COLON	Job Type	4 1/2 PRODUCTION LINER
Country	United States	Job Date	1/15/19



Page 1 of 2

Well	Field			WOLFCAMP Y			Job Start	Customer	Job Number
BLOODHOUND 15-23-27 FEE 401H 401H							Jan/15/2019	WPX ENERGY PRODUCTION LLC	E660-00124
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/H	Density LB/G	Volume BBL	Total Volume BBL	Message		
01/15/2019	21:44:13	1209	4.2	14.55	96.7	140.3			
01/15/2019	21:49:13	1345	4.2	14.54	117.7	161.2			
01/15/2019	21:54:13	363	2.4	14.40	128.8	172.3			
01/15/2019	21:57:48	-15	0.0	14.63	141.0	184.6	Reset Total, Vol = 141.00 bbl		
01/15/2019	21:57:50	-15	0.0	14.63	0.0	184.6	End Tail Slurry		
01/15/2019	21:57:55	-15	0.0	14.63	0.0	184.6	Start Pumping Wash		
01/15/2019	21:59:13	-8	0.0	14.64	0.0	184.6			
01/15/2019	22:04:13	228	5.1	8.62	22.9	207.4			
01/15/2019	22:07:33	-37	0.0	8.41	38.9	223.4	Reset Total, Vol = 38.87 bbl		
01/15/2019	22:07:37	-35	0.0	8.40	0.0	223.4	Start Pumping Wash		
01/15/2019	22:09:13	-25	0.0	8.36	0.0	223.5			
01/15/2019	22:10:47	-23	0.0	8.36	0.1	223.5	Drop Top Plug		
01/15/2019	22:10:49	-23	0.0	8.36	0.1	223.5	Start Displacement		
01/15/2019	22:14:13	82	4.1	8.39	13.4	236.9			
01/15/2019	22:19:13	1835	4.3	8.38	34.4	257.8			
01/15/2019	22:24:13	2327	4.2	8.38	55.2	278.7			
01/15/2019	22:29:13	2747	4.1	8.49	76.1	299.6			
01/15/2019	22:30:06	2895	4.1	8.40	79.8	303.3	LATCH @ 87 BBLs / 4270 PSI		
01/15/2019	22:34:13	3334	4.1	8.37	97.0	320.4			
01/15/2019	22:39:13	3539	4.1	11.40	117.7	341.2			
01/15/2019	22:44:13	3556	4.1	11.41	138.4	361.9			
01/15/2019	22:49:13	3502	4.1	11.45	159.1	382.5			
01/15/2019	22:54:13	4377	0.0	11.47	174.8	398.2			
01/15/2019	22:58:57	4480	0.0	11.46	174.8	398.2	Reset Total, Vol = 167.00 bbl		
01/15/2019	22:58:59	4481	0.0	11.46	0.0	398.2	End Displacement		
01/15/2019	22:59:05	4482	0.0	11.46	0.0	398.2	Bump Top Plug, 4426 PSI		
01/15/2019	22:59:07	4483	0.0	11.46	0.0	398.2	2.5 BBLs BACK		
01/15/2019	22:59:09	4484	0.0	11.46	0.0	398.2	End Job		

Post Job Summary

Average Pump Rates, bbl/min										Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2							
4.1			4.1	141.0		32.0								
Treating Pressure Summary, psi										Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Fresh Water	Volume	Density						
7342	0	1122	4426	0			bbl	8.34 lb/gal						
Avg. N2 Percent	Designated Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Washed Thru Perfs	Volume	To	Job Completed						
%	136.0 bbl	167.0 bbl	55 degF				ft							
Customer or Authorized Representative														
RUBEN HERNANDEZ														
Schlumberger Supervisor														
HECTOR COLON														
Circulation Lost														
-														
☒														

Laboratory Cement Test Report

HNM-95-WPX- HP265-Bloodhound 15-23-27 FEE 401H-Liner-FBTail

Service Order Number: 2891513

LAR Name	: HNM - 95	Client	: WPX ENERGY	Location	: Hobbs-HNM-2003	Signatures
Date	: Jan-13-2019	Well Name	: Bloodhound 15-23-27 FEE 401H	Rig	: HP 265	Report created by: Jaime Saravia
String	: Liner					Design input by: David Restrepo
Job Type	: Primary	MD	: 13,858.00 ft	TVD	: 9,120.00 ft	
BHST	: 166.00 °F	BHCT	: 164.00 °F	BHP	: 7,400.00 psi	
Starting Temp	: 80.00 °F	Time To Temp	: 24:00 hr:mn	Heating Rate	: 0.00 °F/min	
Starting Pressure	: 600.00 psi	Time To Pressure	: 24:00 hr:mn			

Composition

Slurry Density	: 14.50 lb/gal	Yield	: 1.18 ft³/sk	Mix Fluid	: 5.193 gal/sk
Solid Vol. Fraction	: 40.80 %	Slurry Type	: Single System	Mix Water	: 5.173 gal/sk
Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
D909	50.00 % BVOB	Blend sack: 84 lb	Cement	176.05 lb/ft³	FB 7384
D035	50.00 % BVOB		Extender		FB 7384
D065	0.20 % BVOB		Dispersant		05052018
D238	0.40 % BVOB		Fluid loss		31411
D047	0.020 gal/sk VBWOB		Anti Foam		D00918L96
D800	0.15 % BVOB		Retarder		1180103
D079	0.10 % BVOB		Extender		U02718
Tap Water	5.173 gal/sk		Base Fluid		Tap

Rheology

S/N: 383				S/N: 383			
Surface (Configuration: R1B1 F1.0)				Downhole (Configuration: R1B1 F1.0)			
Temperature	71 °F			Temperature	164 °F		
(rpm)	Up (deg)	Down (deg)	Average (deg)	(rpm)	Up (deg)	Down (deg)	Average (deg)
300	120	120	120	300	164	164	164
200	117	118	117.5	200	124	122	123
100	105	103	104	100	87	76	81.5
60	94	93	93.5	60	63	53	58
30	64	62	63	30	44	34	39
6	26	25	25.5	6	20	15	17.5
3	18	19	18.5	3	14	12	13
10 sec Gel	20 deg - 21.29 lb/100R²			10 sec Gel	11 deg - 11.71 lb/100R²		
10 min Gel	34 deg - 36.19 lb/100R²			10 min Gel	24 deg - 25.55 lb/100R²		
Rheo. computed	PV: 92.9 cP, Ty: 46.62 lb/100R²			Rheo. computed	PV: 149.1 cP, Ty: 21.09 lb/100R²		
Conditioned at 164.00 °F and atmospheric pressure for 30 mins after reaching temperature							

Thickening Time S/N: 757

Set Conditions - Thick

Consistency	Time	Temp
Go/No-Go:	On: 01:19 hr:mn Off: 00:30 hr:mn	
POD Time	03:48 hr:mn	164 °F
30 Bc	04:09 hr:mn	164 °F
50 Bc	04:27 hr:mn	164 °F
70 Bc	04:35 hr:mn	164 °F

Free Fluid

(0%) 0 / 250mL in 2 hrs
At 164 °F and 0 deg inclination
Conditioned at 164.00 °F at ATM psi for 30 mins after reaching temperature
Sedimentation: None
Tube Dimensions: 250mL: 35 mm X 245 mm

Fluid Loss S/N: 05-034

API/Calculated Fluid Loss	96 mL
Collected 48 mL filtrate in 30 min at 160 degF and 1000 psi	
Filter Cake Thickness:	1.25"
Filter Cake Consistency:	Crumbly
Non-Stirred Fluid Loss Apparatus	
Thermocouple Located in Cell Wall	

UCA Compressive Strength S/N: 944-R

Time	CS	Temp
06:29 hr:mn	50 psi	170 degF
09:50 hr:mn	500 psi	170 degF
24:00 hr:mn	2202 psi	170 degF
72:00 hr:mn	2407 psi	170 degF

Mud Balance S/N: 860210

Slurry Density Verified by Pressurized Fluid Balance: 14.50 lb/gal

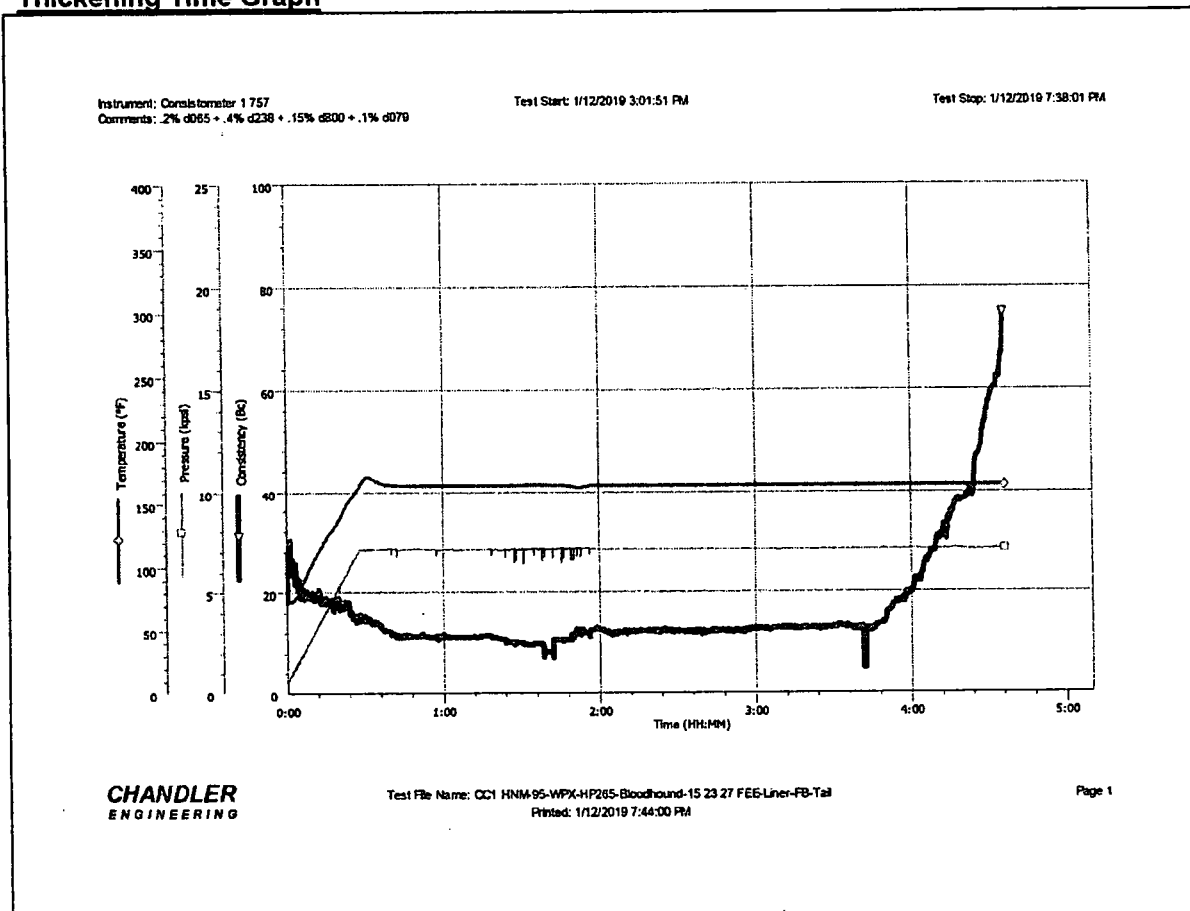
Comments

All slurries prepared and tested in accordance with API RB10B-2 unless otherwise noted

Time to Add Solids : 00:15 mn:sc

Vortex Quality: Good/visible

Thickening Time Graph



Klein, Ranell, EMNRD

From: Bustamante, Amalia, EMNRD
Sent: Wednesday, February 20, 2019 9:53 AM
To: Klein, Ranell, EMNRD
Subject: Sent from Snipping Tool

Rusty,

Should this have a work type? Thanks

30-015-30975 D STATE #021 [308712]

General Well Information

Operator:	[873] APACHE CORPORATION
Status:	Active
Well Type:	Oil
Work Type:	Add a Zone 
Surface Location:	I-25-17S-28E 2310 FSL 330 FEL
Lat/Long:	32.8057671,-104.1225739 NAD83
GL Elevation:	3664
KB Elevation:	
DF Elevation:	