

**NM OIL CONSERVATION
ARTESIA DISTRICT**

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

NOV 20 2018

Form C-103
 Revised July 18, 2013

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

RECEIVED

WELL API NO. 15-45043	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Cass Draw 10-23-27	
8. Well Number 401H	
9. OGRID Number 246289	
10. Pool name or Wildcat Purple Sage; Wolfcamp (gas) 98220	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3116 GL	

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 <u>H</u> : <u>2619</u> feet from the <u>North</u> line and <u>338</u> feet from the <u>East</u> line Section <u>9</u> Township <u>23S</u> Range <u>27E</u> NMPM County <u>Eddy</u>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☒		OTHER: ☐	

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, RKI Exploration & Production, LLC set liner.

Summary of operations is as follows:

Set production liner and cement - 11/14/2018
 4 1/2" csg, 13.5#, P-110, depth 8,269'-14,018'
 609 sacks, 14.5 ppg
 Bumped plg with 3903 psi, check floats, 2 bbls back to surface, floats held
 165 sacks excess to surface
 TEST LINER TOP TO 2500 PSI, GOOD TEST 0 PSI IN BETWEEN 9.625" CSG AND 7" CSG

Spud Date:

10/22/2018

Rig Release Date:

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

SIGNATURE

Ashlee Fechino

TITLE

Regulatory Team Lead

DATE

11/20/2018

Type or print name Ashlee Fechino

E-mail address: ashlee.fechino@wpenergy.com

PHONE: 539-573-0212

For State Use Only

APPROVED BY:

Rusty Klen

TITLE

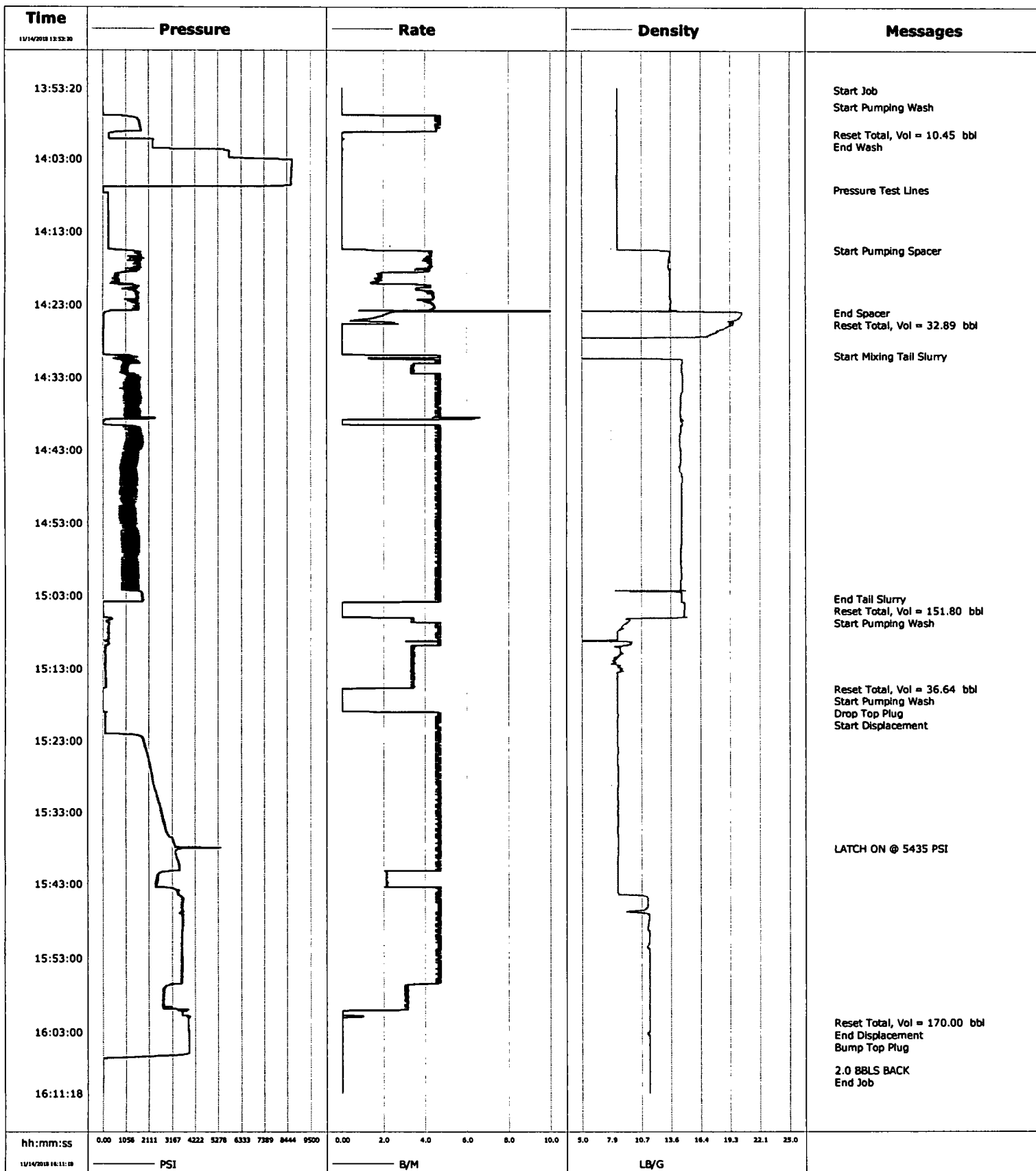
Business Ops Spec

DATE

11-20-2018

Conditions of Approval (if any)

Well	Cass Draw 10 23 27 FEE 401H	Client	WPX ENERGY PRODUCTION LLC
Field		SIR No.	DZ6B-00497
Engineer	HECTOR COLON	Job Type	4 1/2 LINER PRODUCTION
Country	USA	Job Date	11/14/15



				Customer WPX ENERGY PRODUCTION LLC				Job Number DZ68-00497							
Well Cass Draw 10 23 27 FEE 401H 401H				Location (legal) HOBBS				Schlumberger Location				Job Start Nov/14/2018			
Field		Formation Name/Type Shale		Deviation 90 deg		Bit Size 6.1 in		Well MD 14018.8 ft		Well TVD 14018.8 ft					
County EDDY		State/Province New Mexico		BHP 7050 psi		BHST 165 degF		BHCT 164 degF		Pore Press. Gradient lb/gal					
Well Master 0631785425		API/UWI 30-015-45043													
Rig Name H&P 265		Drilled For Oil & Gas		Service Via Land		Casing/Liner									
						Depth, ft		Size, in		Weight, lb/ft		Grade			
						14015.0		4.5		13.5		110			
Offshore Zone		Well Class New		Well Type Development		0.0		0.0		0.0					
Drilling Fluid Type Oil Mud		Max. Density 11.25 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe									
						T/D		Depth, ft		Size, in		Weight, lb/ft			
						D		8269.0		4.0		15.7			
						0.0		0.0		0.0					
Service Line Cementing		Job Type 4 1/2 LINER PRODUCTION													
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 4 1/2" IF DP pin		Perforations/Open Hole									
						Top, ft		Bottom, ft		shot/ft		No. of Shots			
						ft		ft				Total Interval ft			
						ft		ft				Diameter in			
						ft		ft							
						Treat Down Drill Pipe		Displacement 170.0 bbl		Packer Type		Packer Depth ft			
						Tubing Vol. bbl		Casing Vol. 171.3 bbl		Annular Vol. bbl		Openhole Vol. bbl			
Casing/Tubing Secured ☒				1 Hole Vol. Circulated prior to Cement ☒				Casing Tools				Squeeze Job			
Lift Pressure 2988 psi				Shoe Type Float				Squeeze Type							
Pipe Rotated ☐				Pipe Redprocated ☐				Shoe Depth 14015.0 ft				Tool Type			
No. Centralizers 53				Top Plugs 1				Bottom Plugs				Stage Tool Type			
Cement Head Type Single				Stage Tool Depth ft				Tool Depth ft							
Job Scheduled For Nov/14/2018				Arrived on Location Nov/14/2018				Leave Location Nov/14/2018				Collar Type Float			
												Collar Depth 13929.3 ft			
												Seq. Total Vol. bbl			
Date		Time 24-hr clock		Treating Pressure PSI		Flow Rate B/M		Density LB/G		Volume BBL		Total Volume BBL		Message	
11/14/2018		13:53:20		-1		0.0		8.43		0.0		0.0		Started Acquisition	
11/14/2018		13:53:26		-1		0.0		8.43		0.0		0.0		Start Job	
11/14/2018		13:55:42		-3		0.0		8.43		0.0		0.0		Start Pumping Wash	
11/14/2018		13:58:20		1666		4.6		8.40		5.8		5.8			
11/14/2018		13:59:35		278		0.0		8.40		10.5		10.5		Reset Total, Vol = 10.45 bbl	
11/14/2018		13:59:41		281		0.0		8.40		0.0		10.5		End Wash	
11/14/2018		14:03:20		8646		0.0		8.40		0.0		10.5			
11/14/2018		14:07:14		2		0.0		8.40		0.0		10.5		Pressure Test Lines	
11/14/2018		14:08:20		232		0.0		8.40		0.0		10.5			
11/14/2018		14:13:20		254		0.0		8.40		0.0		10.5			
11/14/2018		14:15:30		589		1.2		9.53		0.1		10.5		Start Pumping Spacer	
11/14/2018		14:18:20		1513		4.2		13.43		11.6		22.0			
11/14/2018		14:23:20		1645		4.4		13.57		28.5		38.9			
11/14/2018		14:24:05		136		2.4		20.28		32.7		43.1		End Spacer	
11/14/2018		14:24:10		82		2.3		20.39		32.9		43.3		Reset Total, Vol = 32.89 bbl	
11/14/2018		14:28:20		37		0.0		0.68		0.0		46.0			
11/14/2018		14:30:02		1141		4.6		0.02		0.2		46.2		Start Mixing Tail Slurry	
11/14/2018		14:33:20		1443		4.5		14.68		13.2		59.2			
11/14/2018		14:38:20		1700		4.7		14.47		36.3		82.3			
11/14/2018		14:43:20		1227		4.7		14.49		56.5		102.5			
11/14/2018		14:48:20		1399		4.6		14.62		79.7		125.7			

Well			Field		Job Start		Customer		Job Number
Cass Draw 10 23 27 FEE 401H 401H					Nov/14/2018		WPX ENERGY PRODUCTION LLC		DZ68-00497
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/H	Density LB/G	Volume BBL	Total Volume BBL	Message		
11/14/2018	14:58:20	1014	4.5	14.52	126.0	172.0			
11/14/2018	15:03:20	1813	4.6	14.57	149.2	195.2			
11/14/2018	15:03:22	1813	4.6	14.57	149.3	195.3	End Tail Slurry		
11/14/2018	15:04:04	-1	0.0	14.86	151.8	197.8	Reset Total, Vol = 151.80 bbl		
11/14/2018	15:04:45	-3	0.0	14.86	0.0	197.8	Start Pumping Wash		
11/14/2018	15:08:20	245	4.7	8.42	9.7	207.5			
11/14/2018	15:13:20	107	3.3	8.64	28.4	226.2			
11/14/2018	15:15:48	-14	0.8	8.41	36.6	234.4	Reset Total, Vol = 36.64 bbl		
11/14/2018	15:15:52	-15	0.0	8.41	0.0	234.4	Start Pumping Wash		
11/14/2018	15:16:05	-15	0.0	8.41	0.0	234.4	Drop Top Plug		
11/14/2018	15:16:10	-13	0.0	8.41	0.0	234.4	Start Displacement		
11/14/2018	15:18:20	-14	0.0	8.41	0.0	234.4			
11/14/2018	15:23:20	1908	4.6	8.43	20.1	254.5			
11/14/2018	15:28:20	2262	4.6	8.45	43.2	277.6			
11/14/2018	15:33:20	2721	4.6	8.45	66.4	300.8			
11/14/2018	15:38:02	3692	4.6	8.45	88.2	322.7	LATCH ON @ 5435 PSI		
11/14/2018	15:38:20	3339	4.5	8.45	89.6	324.0			
11/14/2018	15:43:20	2406	2.1	8.43	107.3	341.8			
11/14/2018	15:48:20	3660	4.6	11.39	130.2	364.7			
11/14/2018	15:53:20	3585	4.6	11.47	153.4	387.8			
11/14/2018	15:58:20	2741	3.0	11.50	173.9	408.3			
11/14/2018	16:01:46	3903	0.0	11.50	179.5	414.0	Reset Total, Vol = 170.00 bbl		
11/14/2018	16:01:53	3904	0.0	11.50	0.0	414.0	End Displacement		
11/14/2018	16:02:00	3904	0.0	11.50	0.0	414.0	Bump Top Plug		
11/14/2018	16:03:20	3913	0.0	11.33	0.0	414.0			
11/14/2018	16:08:11	-11	0.0	11.50	0.0	414.0	2.0 BBLS BACK		
11/14/2018	16:08:14	-11	0.0	11.50	0.0	414.0	End Job		

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl					
Slurry 4.6	N2	Mud	Maximum Rate 6.5	Total Slurry 152.0	Mud	Spacer 33.0	N2		
Treating Pressure Summary, psi				Breakdown Fluid					
Maximum 8688	Final 0	Average 1345	Bump Plug to 3900	Breakdown 0	Type DrillWater	Volume bbl	Density 8.34 lb/gal		
Avg. N2 Percent %	Designed Slurry Volume 128.0 bbl		Displacement 170.0 bbl	Mix Water Temp 52 degF	Cement Circulated to Surface? ☐		Volume bbl		
					Washed Thru Perfs ☐		To ft		
Customer or Authorized Representative CHRIS JONES			Schlumberger Supervisor HECTOR COLON			Circulation Lost ☐	Job Completed ☒		
						-	-		