

NOV 06 2018

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

Form C-103
Revised July 18, 2013

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.)		WELL API NO. 30-015-45043
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator RKI Exploration & Production, LLC		6. State Oil & Gas Lease No.
3. Address of Operator 3500 One Williams Center, MD 35, Tulsa, OK 74172		7. Lease Name or Unit Agreement Name Cass Draw 10-23-27
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>		8. Well Number <u>401H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3116 GL		9. OGRID Number <u>246289</u>
		10. Pool name or Wildcat Purple Sage; Wolfcamp (gas) 98220

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 1st intermediate casing.

Summary of operations is as follows:

Set 1st Intermediate casing and cement - 11/3/2018
 9 5/8" csg, 40#, J55, depth 0'-2,187', 331 sacks 11.5 ppg lead; 148 sacks 14.8 ppg tail cement
 Drop plug, bumped @ 1020 psi, check floats, good, 1 bbl bled back
 46 sacks cement to surface
 Shoe depth - 2,187'
 Float collar depth - 2,143'

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 11/06/2018

Type or print name Ashlee Fechino

E-mail address: ashlee.fechino@wpenergy.com PHONE: 539-573-0212

For State Use Only

APPROVED BY:

Bustup Klen

TITLE

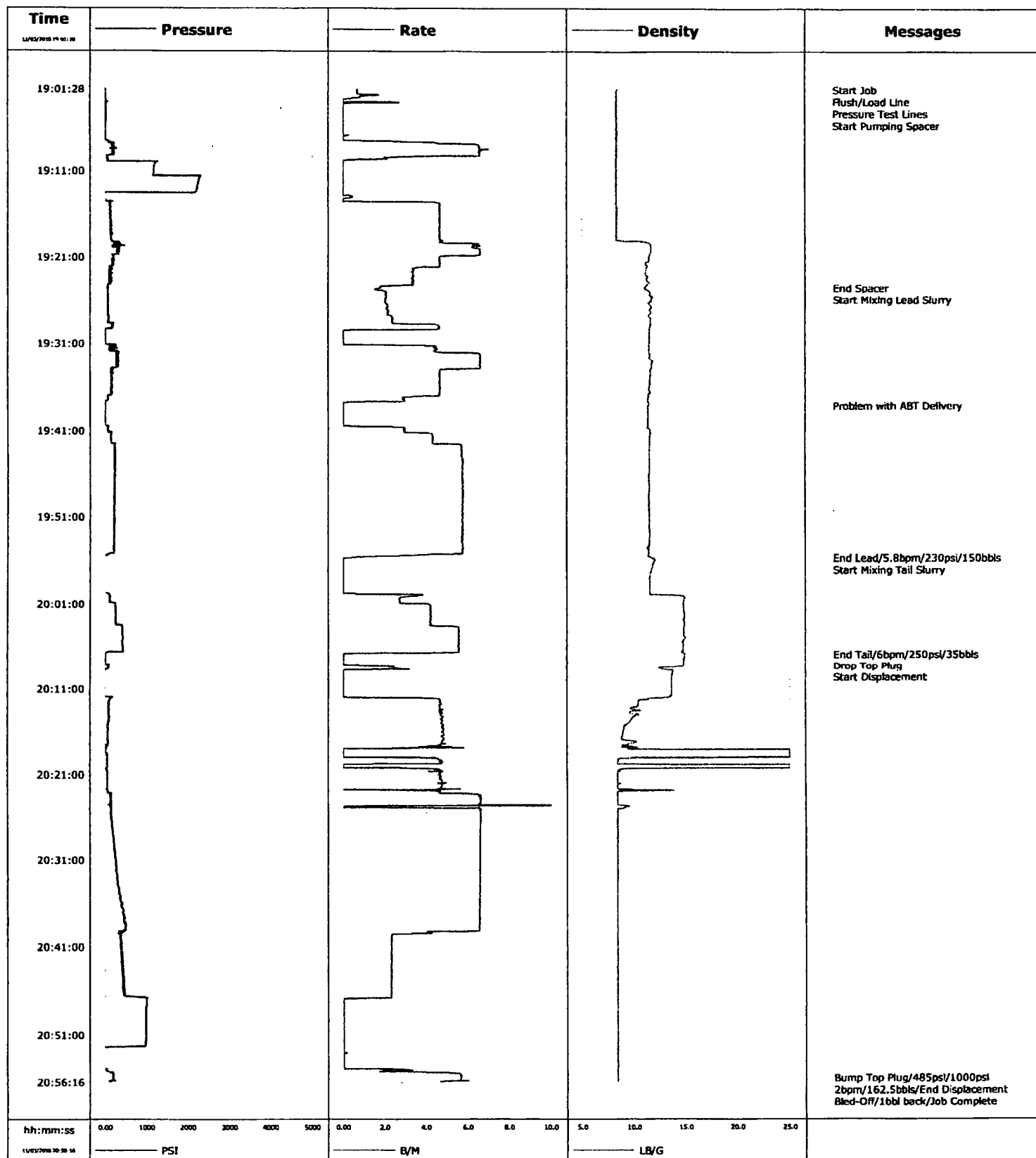
Business Ops Spec A

DATE

11-6-2018

Conditions of Approval (if any):

Well	Cass Draw 10-23-27 Fee 401H	Client	WPX Energy
Field	Wildcat	SIR No.	2837846
Engineer	Jerry R McVay Jr	Job Type	Cem Interm Casing
Country	United States	Job Date	11/03/2018





Cementing Service Report

				Customer WPX Energy		Job Number 2837846	
Well Cass Draw 10-23-27 Fee 401H			Location (Legal) 0631785425		Schlumberger Location Hobbs, NM		Job Start Nov/03/2018
Field Wildcat		Formation Name/Type		Deviation 1 deg	Bit Size 12.3 in	Well MD 2246.0 ft	Well TVD 2246.0 ft
County Eddy		State/Province NM		BHP psi	BHST 101 degF	BHCT 91 degF	Pore Press. Gradient lb/gal
Well Master 0631785425		API/UWI 30015450430000					
Rig Name H&P 265		Drilled For Oil and Gas	Service Via Land		Casing/Liner		
					Depth, ft	Size, in	Weight, lb/ft
							Grade
							Thread
Offshore Zone		Well Class New	Well Type Development		346.0	13.4	J55
					2229.0	9.6	J55
Drilling Fluid Type WBM		Max. Density 10.00 lb/gal	Plastic Viscosity 2.000 cP		Tubing/Drill Pipe		
					T/D	Depth, ft	Size, in
							Weight, lb/ft
							Grade
							Thread
Service Line Cementing		Job Type Cem Intern Casing					
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole	
						Top, ft	Bottom, ft
						shot/ft	No. of Shots
							Total Interval
						ft	ft
						ft	Diameter
						ft	in
				Treat Down Casing	Displacement 162.5 bbl	Packer Type None	Packer Depth ft
				Tubing Vol. bbl	Casing Vol. 165.9 bbl	Annular Vol. 128.6 bbl	Openhole Vol. 106.2 bbl
Casing/Tubing Secured ☐		1 Hole Vol. Circulated prior to Cement ☒		Casing Tools		Squeeze Job	
Lift Pressure 1229 psi		Pipe Rotated ☐		Pipe Reciprocated ☐		Shoe Type Guide	
						Shoe Depth 2229.7 ft	
No. Centralizers		Top Plugs 1	Bottom Plugs 0	Stage Tool Type		Tool Depth ft	
Cement Head Type				Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Nov/03/2018 10:00		Arrived on Location Nov/03/2018 11:30		Leave Location Nov/03/2018 18:00		Collar Type Float	
						Collar Depth 2192.2 ft	
						Sqr. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/03/2018	19:01:28	1	0.7	8.37	12.7		
11/03/2018	19:01:29	1	0.7	8.37	12.7	Start Job	
11/03/2018	19:01:47	1	0.7	8.34	12.9	Flush/Load Line	
11/03/2018	19:01:54	1	0.7	8.34	13.0	Pressure Test Lines	
11/03/2018	19:01:58	1	0.7	8.34	13.0		
11/03/2018	19:02:11	-1	1.7	8.31	13.2	Start Pumping Spacer	
11/03/2018	19:02:28	3	0.8	8.34	13.6		
11/03/2018	19:02:58	26	0.6	8.35	13.6		
11/03/2018	19:03:28	18	0.0	8.35	13.8		
11/03/2018	19:03:58	16	0.0	8.35	13.8		
11/03/2018	19:04:28	16	0.0	8.35	13.8		
11/03/2018	19:04:58	16	0.0	8.35	13.8		
11/03/2018	19:05:28	-1	0.0	8.35	13.8		
11/03/2018	19:05:58	-1	0.0	8.35	13.8		
11/03/2018	19:06:28	-1	0.0	8.35	13.8		
11/03/2018	19:06:58	-1	0.0	8.35	13.9		
11/03/2018	19:07:28	21	0.8	8.35	0.0		
11/03/2018	19:07:58	191	6.5	8.35	2.1		
11/03/2018	19:08:28	118	6.7	8.35	5.4		
11/03/2018	19:08:58	192	6.6	8.35	8.7		
11/03/2018	19:09:28	45	2.1	8.35	11.2		

Well			Field		Job Start		Customer		Job Number	
Cass Draw 10-23-27 Fee 401H			Wildcat		Nov/03/2018		WPX Energy		2837846	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/03/2018	19:10:28	1184	0.0	8.35	11.5					
11/03/2018	19:10:58	1168	0.0	8.35	11.5					
11/03/2018	19:11:28	1161	0.0	8.35	11.5					
11/03/2018	19:11:58	2266	0.0	8.35	11.5					
11/03/2018	19:12:28	2241	0.0	8.35	11.5					
11/03/2018	19:12:58	2222	0.0	8.35	11.5					
11/03/2018	19:13:28	2178	0.0	8.35	11.5					
11/03/2018	19:13:58	-16	0.5	8.35	11.6					
11/03/2018	19:14:28	25	1.0	8.35	11.7					
11/03/2018	19:14:58	106	4.7	8.35	13.8					
11/03/2018	19:15:28	124	4.7	8.35	16.1					
11/03/2018	19:15:58	106	4.7	8.35	18.4					
11/03/2018	19:16:28	120	4.7	8.35	20.8					
11/03/2018	19:16:58	148	4.7	8.35	23.1					
11/03/2018	19:17:28	142	4.6	8.35	25.4					
11/03/2018	19:17:58	121	4.7	8.35	27.8					
11/03/2018	19:18:28	129	4.7	8.35	30.1					
11/03/2018	19:18:58	151	4.7	8.46	32.4					
11/03/2018	19:19:28	333	6.2	11.65	35.1					
11/03/2018	19:19:58	337	6.6	11.66	38.3					
11/03/2018	19:20:28	305	6.6	11.61	41.5					
11/03/2018	19:20:58	184	4.7	11.43	44.4					
11/03/2018	19:21:28	171	4.6	11.20	46.7					
11/03/2018	19:21:58	174	4.7	11.28	49.1					
11/03/2018	19:22:28	103	3.4	11.19	50.9					
11/03/2018	19:22:58	132	3.4	11.21	52.6					
11/03/2018	19:23:28	164	3.4	11.21	54.3					
11/03/2018	19:23:58	141	3.4	11.43	56.0					
11/03/2018	19:24:26	63	1.8	11.03	57.2	End Spacer				
11/03/2018	19:24:28	62	1.8	11.03	57.3	Start Mixing Lead Slurry				
11/03/2018	19:24:58	69	2.1	11.55	58.2					
11/03/2018	19:25:28	70	2.1	11.77	59.2					
11/03/2018	19:25:58	69	2.0	11.67	60.2					
11/03/2018	19:26:28	69	2.1	11.59	61.2					
11/03/2018	19:26:58	69	2.1	11.53	62.3					
11/03/2018	19:27:28	68	2.2	11.58	63.4					
11/03/2018	19:27:58	73	2.4	11.62	64.5					
11/03/2018	19:28:28	72	2.4	11.62	65.7					
11/03/2018	19:28:58	163	4.6	11.58	67.5					
11/03/2018	19:29:28	-1	0.0	11.53	69.4					
11/03/2018	19:29:58	-2	0.0	11.48	69.4					
11/03/2018	19:30:28	-2	0.0	11.48	69.4					
11/03/2018	19:30:58	-2	0.0	11.48	69.4					
11/03/2018	19:31:28	258	4.4	11.46	70.8					
11/03/2018	19:31:58	167	4.6	11.44	73.0					
11/03/2018	19:32:28	276	6.6	11.54	76.2					
11/03/2018	19:32:58	281	6.6	11.81	79.5					
11/03/2018	19:33:28	304	6.6	11.72	82.8					
11/03/2018	19:33:58	192	4.7	11.59	86.0					
11/03/2018	19:34:28	199	4.6	11.65	88.3					
11/03/2018	19:34:58	140	4.7	11.58	90.6					
11/03/2018	19:35:28	155	4.7	11.54	93.0					
11/03/2018	19:35:58	151	4.7	11.48	95.3					
11/03/2018	19:36:28	136	4.7	11.52	97.6					

Well			Field	Job Start	Customer	Job Number
Cass Draw 10-23-27 Fee 401H			Wildcat	Nov/03/2018	WPX Energy	2837846
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/C	Volume BBL	Message
11/03/2018	19:37:28	64	2.9	11.33	101.5	
11/03/2018	19:37:58	-10	0.0	11.41	102.1	
11/03/2018	19:38:03	-10	0.0	11.41	102.1	Problem with ABT Delivery
11/03/2018	19:38:28	-11	0.0	11.40	102.1	
11/03/2018	19:38:58	-11	0.0	11.40	102.1	
11/03/2018	19:39:28	-11	0.0	11.39	102.1	
11/03/2018	19:39:58	-10	0.0	11.39	102.1	
11/03/2018	19:40:28	9	0.6	11.40	102.1	
11/03/2018	19:40:58	67	2.9	11.59	103.5	
11/03/2018	19:41:28	137	4.3	11.57	105.2	
11/03/2018	19:41:58	137	4.3	11.54	107.4	
11/03/2018	19:42:28	138	4.3	11.52	109.5	
11/03/2018	19:42:58	229	5.7	11.51	112.3	
11/03/2018	19:43:28	228	5.7	11.49	115.1	
11/03/2018	19:43:58	228	5.7	11.49	118.0	
11/03/2018	19:44:28	230	5.8	11.49	120.9	
11/03/2018	19:45:28	219	5.8	11.47	126.6	
11/03/2018	19:45:58	225	5.7	11.46	129.5	
11/03/2018	19:46:28	221	5.8	11.46	132.4	
11/03/2018	19:46:58	220	5.7	11.47	135.2	
11/03/2018	19:47:28	224	5.8	11.47	138.1	
11/03/2018	19:47:58	223	5.8	11.46	141.0	
11/03/2018	19:48:28	225	5.8	11.46	143.9	
11/03/2018	19:48:58	216	5.7	11.46	146.8	
11/03/2018	19:49:28	220	5.7	11.46	149.6	
11/03/2018	19:49:58	219	5.8	11.46	152.5	
11/03/2018	19:50:28	215	5.8	11.46	155.4	
11/03/2018	19:50:58	209	5.8	11.46	158.3	
11/03/2018	19:51:28	211	5.8	11.47	161.1	
11/03/2018	19:51:58	208	5.7	11.47	164.0	
11/03/2018	19:52:28	206	5.8	11.51	166.9	
11/03/2018	19:52:58	212	5.7	11.51	169.8	
11/03/2018	19:53:28	211	5.8	11.49	172.6	
11/03/2018	19:53:58	218	5.8	11.50	175.5	
11/03/2018	19:54:28	205	5.8	11.30	178.4	
11/03/2018	19:54:58	217	5.7	11.44	181.3	
11/03/2018	19:55:28	4	1.9	11.43	183.6	
11/03/2018	19:55:36	-13	0.6	11.66	183.7	End Lead/5.8bpm/230psi/150bbls
11/03/2018	19:55:40	-15	0.3	11.77	183.8	Start Mixing Tail Slurry
11/03/2018	19:55:58	-13	0.0	11.99	183.8	
11/03/2018	19:56:28	-14	0.0	11.81	183.8	
11/03/2018	19:56:58	-15	0.0	11.72	183.8	
11/03/2018	19:57:28	-15	0.0	11.58	183.8	
11/03/2018	19:57:58	-15	0.0	11.54	183.8	
11/03/2018	19:58:28	-15	0.0	11.53	183.8	
11/03/2018	19:58:58	-15	0.0	11.53	183.8	
11/03/2018	19:59:28	-15	0.0	11.52	183.8	
11/03/2018	19:59:58	97	3.6	14.54	184.4	
11/03/2018	20:00:28	101	2.7	14.81	185.9	
11/03/2018	20:00:58	238	4.1	14.77	187.3	
11/03/2018	20:01:28	246	4.2	14.79	189.3	
11/03/2018	20:01:58	246	4.2	14.82	191.4	
11/03/2018	20:02:28	243	4.2	14.82	193.5	
11/03/2018	20:02:58	243	4.2	14.82	195.6	

Well Cass Draw 10-23-27 Fee 401H			Field Wildcat		Job Start Nov/03/2018		Customer WPX Energy		Job Number 2837846	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/03/2018	20:03:58	405	5.6	14.77	200.4					
11/03/2018	20:04:28	408	5.6	14.77	203.2					
11/03/2018	20:04:58	427	5.6	14.86	206.0					
11/03/2018	20:05:28	408	5.6	14.71	208.8					
11/03/2018	20:05:58	418	5.6	14.72	211.5					
11/03/2018	20:06:28	428	5.6	14.61	214.3					
11/03/2018	20:06:45	10	0.1	14.86	215.3	End Tail/6bpm/250psi/35bbbls				
11/03/2018	20:06:49	7	0.0	14.85	215.3	Drop Top Plug				
11/03/2018	20:06:50	6	0.0	14.84	215.3	Start Displacement				
11/03/2018	20:06:58	2	0.0	14.83	215.3					
11/03/2018	20:07:28	-5	0.0	14.80	215.3					
11/03/2018	20:07:58	-7	0.0	14.80	215.3					
11/03/2018	20:08:28	72	2.5	12.51	216.2					
11/03/2018	20:08:58	-13	0.0	13.66	216.7					
11/03/2018	20:09:28	-14	0.0	13.58	216.7					
11/03/2018	20:09:58	-14	0.0	13.61	216.7					
11/03/2018	20:10:28	-15	0.0	13.57	216.7					
11/03/2018	20:10:58	-14	0.0	13.57	216.7					
11/03/2018	20:11:28	-14	0.0	13.57	216.7					
11/03/2018	20:11:58	170	3.4	12.37	216.8					
11/03/2018	20:12:28	93	4.7	10.41	219.1					
11/03/2018	20:12:58	87	4.6	10.25	221.4					
11/03/2018	20:13:28	78	4.6	10.10	223.7					
11/03/2018	20:13:58	83	4.7	10.23	226.1					
11/03/2018	20:14:28	87	4.7	9.73	228.4					
11/03/2018	20:14:58	77	4.7	9.38	230.8					
11/03/2018	20:15:28	64	4.8	9.00	233.2					
11/03/2018	20:15:58	60	4.8	8.89	235.6					
11/03/2018	20:16:28	57	4.8	8.72	238.0					
11/03/2018	20:16:58	64	4.8	10.02	240.4					
11/03/2018	20:17:28	39	4.6	8.95	242.8					
11/03/2018	20:17:58	3	0.0	9.56	245.0					
11/03/2018	20:18:28	-9	0.0	25.00	245.0					
11/03/2018	20:18:58	53	4.0	9.71	245.1					
11/03/2018	20:19:28	52	4.7	8.42	247.3					
11/03/2018	20:19:58	53	0.0	25.00	248.5					
11/03/2018	20:20:28	35	4.7	8.52	249.5					
11/03/2018	20:20:58	46	4.6	8.35	251.8					
11/03/2018	20:21:28	53	4.6	8.36	254.2					
11/03/2018	20:21:58	54	4.9	8.68	256.5					
11/03/2018	20:22:28	57	4.7	8.36	258.9					
11/03/2018	20:22:58	62	4.6	8.39	260.9					
11/03/2018	20:23:28	140	6.5	8.35	263.7					
11/03/2018	20:23:58	137	6.6	8.35	267.0					
11/03/2018	20:24:28	133	6.6	8.35	270.3					
11/03/2018	20:24:58	140	6.6	8.41	273.4					
11/03/2018	20:25:28	136	6.6	8.35	276.7					
11/03/2018	20:25:58	142	6.6	8.35	280.0					
11/03/2018	20:26:28	161	6.6	8.35	283.3					
11/03/2018	20:26:58	156	6.6	8.35	286.6					
11/03/2018	20:27:28	167	6.6	8.35	289.9					
11/03/2018	20:27:58	186	6.6	8.35	293.1					
11/03/2018	20:28:28	202	6.6	8.35	296.4					
11/03/2018	20:28:58	205	6.6	8.35	299.7					

Well Cass Draw 10-23-27 Fee 401H			Field Wildcat		Job Start Nov/03/2018	Customer WPX Energy		Job Number 2837846	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume SBL	Message			
11/03/2018	20:29:58	222	6.6	8.35	306.3				
11/03/2018	20:30:28	238	6.6	8.35	309.6				
11/03/2018	20:30:58	259	6.6	8.35	312.9				
11/03/2018	20:31:28	263	6.6	8.35	316.1				
11/03/2018	20:31:58	276	6.6	8.35	319.4				
11/03/2018	20:32:28	271	6.6	8.35	322.7				
11/03/2018	20:32:58	284	6.6	8.35	326.0				
11/03/2018	20:33:28	308	6.6	8.35	329.3				
11/03/2018	20:33:58	311	6.5	8.35	332.6				
11/03/2018	20:34:28	349	6.6	8.35	335.8				
11/03/2018	20:34:58	340	6.6	8.35	339.1				
11/03/2018	20:35:28	361	6.6	8.35	342.4				
11/03/2018	20:35:58	407	6.6	8.35	345.7				
11/03/2018	20:36:28	398	6.6	8.35	349.0				
11/03/2018	20:36:58	443	6.5	8.35	352.2				
11/03/2018	20:37:28	439	6.5	8.35	355.5				
11/03/2018	20:37:58	453	6.6	8.35	358.8				
11/03/2018	20:38:28	503	6.5	8.35	362.1				
11/03/2018	20:38:58	496	6.5	8.35	365.3				
11/03/2018	20:39:28	355	3.3	8.35	368.0				
11/03/2018	20:39:58	358	2.3	8.35	369.2				
11/03/2018	20:40:28	369	2.3	8.35	370.4				
11/03/2018	20:40:58	402	2.3	8.35	371.5				
11/03/2018	20:41:28	389	2.3	8.35	372.7				
11/03/2018	20:41:58	408	2.3	8.35	373.9				
11/03/2018	20:42:58	396	2.3	8.35	376.2				
11/03/2018	20:43:28	435	2.3	8.35	377.3				
11/03/2018	20:43:58	418	2.3	8.35	378.5				
11/03/2018	20:44:28	441	2.3	8.35	379.6				
11/03/2018	20:44:58	428	2.3	8.35	380.8				
11/03/2018	20:45:28	460	2.3	8.35	381.9				
11/03/2018	20:45:58	469	2.3	8.35	383.1				
11/03/2018	20:46:28	445	2.3	8.35	384.3				
11/03/2018	20:46:58	1001	0.0	8.35	385.1				
11/03/2018	20:47:28	995	0.0	8.35	385.1				
11/03/2018	20:47:58	992	0.0	8.35	385.1				
11/03/2018	20:48:28	990	0.0	8.35	385.1				
11/03/2018	20:48:58	988	0.0	8.35	385.1				
11/03/2018	20:49:28	987	0.0	8.35	385.1				
11/03/2018	20:49:58	985	0.0	8.35	385.1				
11/03/2018	20:50:28	984	0.0	8.35	385.1				
11/03/2018	20:50:58	983	0.0	8.35	385.1				
11/03/2018	20:51:28	982	0.0	8.35	385.1				
11/03/2018	20:51:58	980	0.0	8.35	385.1				
11/03/2018	20:52:28	-24	0.0	8.35	385.1				
11/03/2018	20:52:58	-23	0.0	8.36	385.1				
11/03/2018	20:53:28	-23	0.0	8.35	385.1				
11/03/2018	20:53:58	-22	0.0	8.35	385.1				
11/03/2018	20:54:28	-23	0.0	8.35	385.1				
11/03/2018	20:54:58	34	3.3	8.35	385.4				
11/03/2018	20:55:28	191	5.7	8.35	387.6				
11/03/2018	20:55:46	179	5.7	8.35	389.3	Bump Top Plug/485psi/1000psi			
11/03/2018	20:55:47	179	5.7	8.35	389.4	2bpm/162.5bbls/End Displacement			
11/03/2018	20:55:58	190	5.7	8.35	390.4				

Well Cass Draw 10-23-27 Fee 401H	Field Wildcat	Job Start Nov/03/2018	Customer WPX Energy	Job Number 2837846
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Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry 4.7	N2	Mod	Maximum Rate 70.1	Total Slurry 185.0	Mud 0.0	Spacer 20.0	N2
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum 2320	Final 113	Average 301	Bump Plug to 1000	Breakdown	Type	Volume bbl	Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 184.1 bbl		Displacement 162.5 bbl	Mix Water Temp 71 degF	Cement Circulated to Surface? ☒	Volume 11.0 bbl	
Customer or Authorized Representative				Schlumberger Supervisor Jerry R McVay Jr	Washed Thru Perfs ☐	To ft	
					Circulation Lost ☐	Job Completed ☒	