

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

Artesia

5. Lease Serial No.
NMNM20965

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
RDX FEDERAL COM 17 37H9. API Well No.
30-015-4354410. Field and Pool or Exploratory Area
PURPLE SAGE;WOLFCAMP(GAS)11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
RKI EXPLORATION & PROD LLContact: CRYSTAL FULTON
E-Mail: crystal.fulton@wpenergy.com3a. Address
3500 ONE WILLIAMS CENTER MD35
TULSA, OK 741723b. Phone No. (include area code)
Ph: 539-573-0218

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 17 T26S R30E 150FNL 1070FEL

200 FNL 760' FWC

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED RKI EXPLORATION AND PRODUCTION, LLC SET SURFACE CASING FOR THIS WELL. A SUMMARY OF THE DRILLING OPERATION IS AS FOLLOWS:

9/3/2017 Surface Casing

13.375" 54.5# J-55 BTC: 0' ? 825.5'

Lead: 300 sks @ 12 ppg & Tail: 133 sks @ 14.8 ppg

Pressured to 170 psi, did not bump plug. Floats held, circ 30 bbls cement to surface.

Finish cleaning pits, Rig down floor, Rig release at midnight 9/4/2017. Skid to 36H.

The binded Post Job Report is attached.

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 26 2017

RECEIVED

Accepted for record - NMOC

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #388168 verified by the BLM Well Information System
For RKI EXPLORATION & PROD LL, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER SANCHEZ on 09/18/2017 ()

Name (Printed/Typed) CRYSTAL FULTON

Title PERMITTING TECH

Signature (Electronic Submission)

Date 09/12/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****



BJ Services

Post Job Report

Prepared for:

WPX Energy

This report is provided by:

Hobbs, NM District

Well Information:

**RDX Fed Com #17-37H
13-3/8" Surface String Cement**

Job Date:

September 6, 2017



BJ Services LLC
2708 NW County Rd
Hobbs, New Mexico
Tel: (575) 391-0012
Fax: (575) 391-0025

05 September 2017

REF: HNM170903620

To: Mr. Doug Withers
Drilling Engineer

WPX Energy
3500 One Williams Center
Tulsa, OK 74172

SUBJECT: RDX Fed Com #17-37H – Surface Primary - Post Job Report

Thank you for giving BJ Services an opportunity to provide high quality service in safe and efficient manners. The surface primary cementation job was executed safely, flawlessly and according to plan on Sunday, September 03, 2017.

BJ Services mobilized equipment and arrived at location 05:30 September 03, 2017. Rig up completed at 06:30 September 03, 2017. Pre-job safety meeting held at 08:50 September 03, 2017. Pressure tested to 2000 psi. Pumped 30bbls of Spacer at 4.5 bpm followed by 133bbls of Lead cement at 5.5 bpm and 46bbls of Tail cement. Dropped plug and started displacement. Completed displacement and check floats. Rigged-down completed and depart from location 13:00 September 03, 2017.

BJ Services arrived at location One and half hour after allocated time. Held safety meeting and rigged up to BJ Services standards. BJ Services commence pumping once location was ready for cement operation. Pumping of job executed as planned. Plug did not bump and pumped 2 bbls over and check for flowback. 0.5 bbls return observed and float held. 30 bbls of cement returned to surface.

BJ Services will continue to strive to be High Reliability Organization by delivering exceptionally safe and consistently high quality service to WPX Energy. Thank you for your continued patronage of BJ Services products and services.

Respectfully submitted,

Waqas Iqbal | Sr. Field Engineer
2708 NW County Rd | Hobbs, NM 78240
M (940) 808 2552
www.BJservices.com



Cement Job Summary

Job Purpose		01 Surface	
Customer:	WPX Energy		Date:
Well Name:	RDX Fed Com	Number:	#17-37H
County:	Eddy	City:	Carlsbad
Cust. Rep:	0	Phone:	0
Distance	100 miles (one way)		Rig Phone: 281-436-6424
		Supervisor	

Employees:	Emp. ID:	Title	Emp. ID:
Don McDaniel		Supervisor	
Armando Barron		PUMP OPERATOR	
David Garcia		EO	
Jose Baca		EO	

Equipment:	
PUMP CPF-215	Armando Barron
BULKTRUCK CTF-157	David Garcia
BULKTRUCK CTF-357	Jose Baca

Materials - Pumping Schedule

STAGE #1					
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	Fresh Water	30	8.33	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	CLASS C PREMIUM PLUS	300	12.00	2.50	14.67
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	CLASS C PREMIUM PLUS	195	14.80	1.33	6.33
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Cut Brine	118.10437	9.00	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)

Slurry: Lead 1		Slurry Name: CLASS C PREMIUM PLUS	
Quantity:	300 sacks	Blend Vol:	335.05 cu.ft.
Material	Description	Conc. (lb/sk)	Determined by
CCCPP	Class C Premium Plus	94	Base Material
0		0	0
0		0	0
0		0	0
0		0	0
0		0	0
0		0	0
0		0	0
0		0	0
CA-400	Sodium Metasilicate	1.88	% BWOC
CA-200	Sodium Chloride	6.11	% BWOW
CDF-100P	Powdered Defoamer	0.24	% BWOC
0		0	0
0		0	0
0		0	0
0		0	0
0		0	0
0		0	0
0		0	0
0		0	0
0		0	0
Water	Mixing Water	14.67	gal/sk

Cement Job Summary

Slurry: Tail 1		Slurry Name: CLASS C PREMIUM PLUS					
Quantity:	195 sacks		Blend Vol:	198.63 cu.ft.	cu.ft.	Blend Weight:	18513.3 lbs
Material	Description		Conc. (lb/sk)	Determined by		Load Volume	UOM
CCCPP	Class C Premium Plus		94	Base Material		18330.0	lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
CA-100	Calcium Chloride		0.94	% BWOC		183.3	lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
0		0	0	0			lbm
Water	Mixing Water		6.33	gal/sk		1234.1	gal

Job Purpose		01 Surface				
Customer:	WPX Energy			Date:	9/3/2017	
Well Name:	RDX Fed Com		Number:	#17-37H	API/UWI:	
County:	Eddy	City:	Carlsbad		State:	NM
Cust. Rep:	0	Phone:	0	Rig Phone:	0	
Distance	100 miles (one way)		Supervisor	0		
Time	Activity Description	Rate (bpm)	Volume (bbl)	Pressure (psi)	Comments	
4:00	Requested on Location					
5:30	Arrive at Location					
5:35	Pre-Rig Up Safety Meeting					
5:40	Rig-Up Equipment					
6:30	Rig-Up Completed					
8:50	Pre-Job Safety Meeting				WITH RIG PERSONEL	
9:10	Test Lines			2000		
9:15	Pump Spacer 1	4.5	30	90	FW	
9:23	Pump Lead Cement 1	5.5	133	238	500 SKS @ 12#, 2.50 FIELD, 14.07	
9:40	Pump Tail Cement 1	5	46	180	WATER 195 SKS @ 14.08, 1.34 FIELD, 6.55	
9:57	Drop Plug				WATER CUSTOMER SUPPLIED PLUG.	
10:05	Pump Displacement	5	118	170	CUT BRINE	
10:28	Bump Plug				DID NOT BUMP PLUG. PUMPED A	
10:34	Check Floats				TOTAL OF 120 BBLS (2 OVER)	
10:40	Post Job Safety Meeting				FLOATS HELD. .5 BBLS BACK	
10:45	Rig-Down Equipment					
11:30	Rig-Down Completed					
13:00	Depart Location					



Cement Job Summary

COMMENTS:

CEMENT BACK TO SURFACE AT 10:20 WITH 98 GONE. GOT BACK 30 BBLs. SLOWED PUMP RATE AT 10:20 AND DID NOT BUMP THE PLUG. PUMPED A TOTAL OF 120 BBLs- 2 OVER CALCULATED. -SHUT DOWN, HELD FLOATS FOR 5 MINUTES, FLOATS HELD, GOT BACK .5 BBLs.

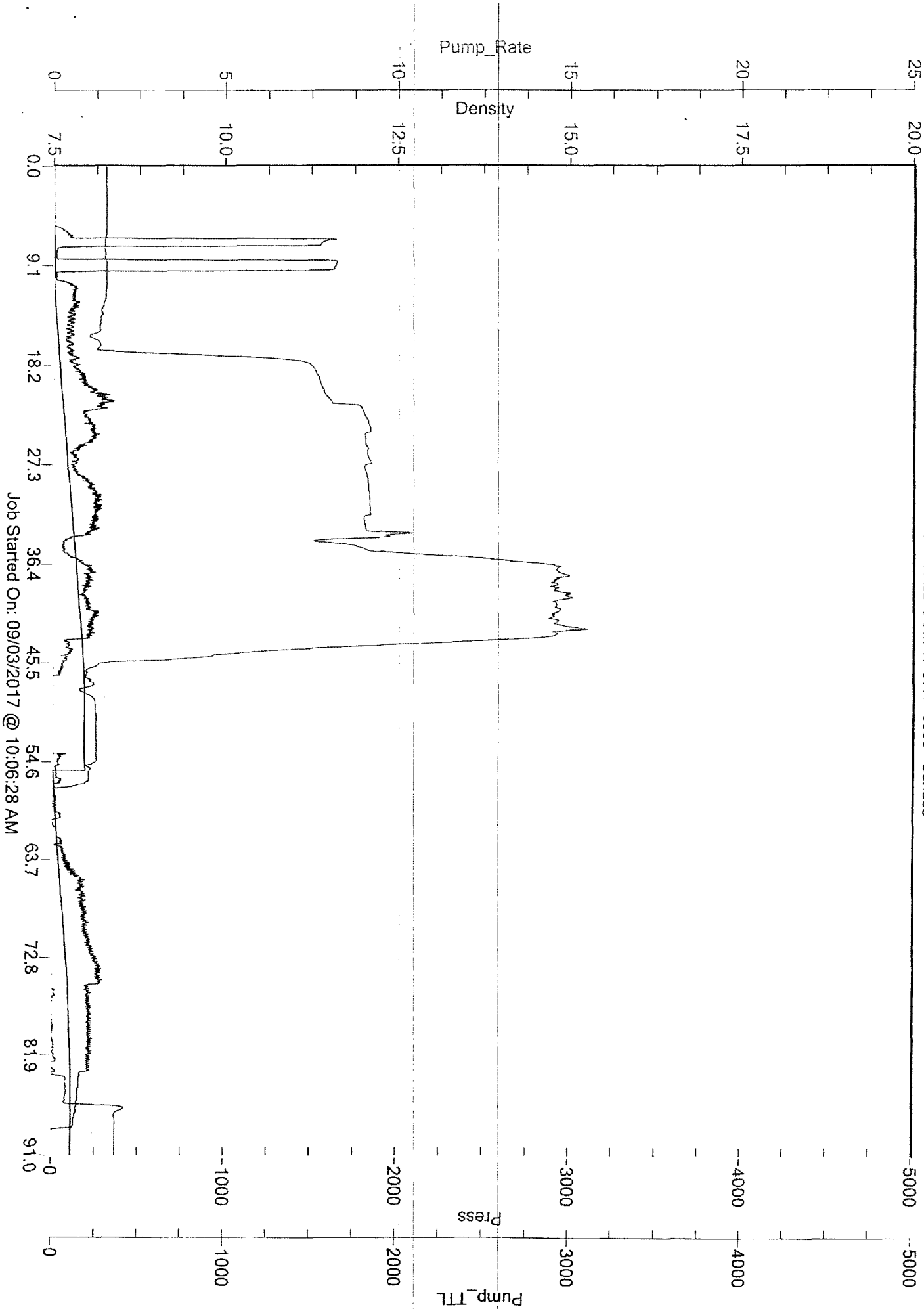
Total Hours on Location	7	hrs
Rig Hours (Wait on Allied)	0	hrs
Float Collar Depth	768	ft
Plug Bumped	No	
Floats Held	Yes	
Average Displacement Rate	5	bpm
Mud Weight	9	lb/gal
Mud Type	Water Based	

Cement Water Analysis		Guidelines:
Temperature	86	< 95 deg F
pH	7	6-8
Sulfates	1200	< 1800
Chlorides	2000	< 3000

Please make a call to managent if any of the water analyis falls outside of the guidelines.

WPX

RDX FED COM 17-37H - 0000 - Surface





Cementing Dispatch Sheet

Job Purpose		01 Surface					
Customer:	WPX Energy		Date:	8/11/2017			
Well Name:	RDX Fed Com		Number:	#17-37H			
County:	Eddy	City:	Carlsbad		State:	NM	
Cust. Rep:	Hector Noasco	Phone:	405-519-5997		Rig Phone:		
Distance	100 miles (one way)		Rig Name:	NABORS		Number:	X05
Requested On Location		Date:	8/12/2017		Time	0300NMT	
Drive Safely - Wear Seat Belts - Observe Speed Limits - HANG UP THE PHONE!							
At junction of 285 & 652 in Orla, TX. Travel East on 652 for 15 miles to County Road 300. There will be a FRAC sign on the Left. Turn Left and travel 0.4 miles, Turn right into Location.							
Comments - Specific Job Instructions							
Wear all your PPE at all times / Take BBS Cards (Odessa)							
Pumping Equipment							
Description:	Qty		Description:				
Pump Truck	1		Booster Pump	1			
Bulk Truck	1						
Surface Equipment							
Description:	Qty		Comments				
sugar	300#						
13 3/8 head	1		Head, Manifold and Buttress Nubbin				
13 3/8 Top Rubber Plug	1						
Defoamer	20 Gals						
13 3/8 swage 8rd	1		gsi 13 3/8 8rd swage/ full iron rack				
Materials To Be Run On the Fly							
Stage	Material		Concentration lb/sk		Total lbs		
Well Information							
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)	
Casing or Tubing	13 3/8	54.5	12.615	J-55	0	790	
17.5" Open Hole	17 1/2				0	790	
Materials - Pumping Schedule							
Stage #1							
Fluid Name	Description		Rqstd Qty	Density	Yield (ft ³ /sk)	Water Req.	
Spacer 1	Fresh Water		30 bbls	8.33 lb/gal	n/a	n/a	
Fluid Name	Description		Rqstd Qty	Density	Yield (ft ³ /sk)	Water Req.	
Lead 1	CLASS C PREMIUM PLUS		300 sks	12 lb/gal	2.50	14.67 gal/sk	
Fluid Name	Description		Rqstd Qty	Density	Yield (ft ³ /sk)	Water Req.	
Tail 1	CLASS C PREMIUM PLUS		195 sks	14.8 lb/gal	1.34	6.33 gal/sk	
Fluid Name	Description		Rqstd Qty	Density	Yield (ft ³ /sk)	Water Req.	
Tail 2	0		sks	0 lb/gal	#VALUE!	6.32 gal/sk	
Fluid Name	Description		Rqstd Qty	Density	Yield (ft ³ /sk)	Water Req.	



Cementing Dispatch Sheet

Job Purpose		01 Surface	
Customer:	WPX Energy	Date:	8/11/2017
Well Name:	RDX Fed Com	Number:	#17-37H
County:	Eddy	City:	Carlsbad
Cust. Rep:	0	State:	NM
Phone:	0		0

Slurry: Lead 1		Slurry Name: CLASS C PREMIUM PLUS			
Quantity:	300 sacks	Blend Vol:	335.1 cu.ft.	Blend Weight:	30667.1 lbs
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CCCPP	Class C Premium Plus	94.00	Base Material	28200.00	lbm
CA-400	Sodium Metasilicate	1.88	% BWOC	564.00	lbm
CA-200	Sodium Chloride	6.11	% BWOW	1832.65	lbm
CDF-100P	Powdered Defoamer	0.24	% BWOC	70.50	lbm
Water	Mixing Water	14.67	gal/sk	4400.11	gal

Slurry: Tail 1		Slurry Name: CLASS C PREMIUM PLUS			
Quantity:	195 sacks	Blend Vol:	198.7 cu.ft. cu.ft.	Blend Weight:	18513.3 lbs
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CCCPP	Class C Premium Plus	94.00	Base Material	18330.00	lbm
CA-100	Calcium Chloride	0.94	% BWOC	183.30	lbm
Water	Mixing Water	6.33	gal/sk	1234.1	gal

Slurry: Tail 2		Slurry Name:			
Quantity:	sacks	Blend Vol:	0 cu.ft.	Blend Weight:	0 lbs
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
0		0	0	#VALUE!	lbm
Water	Mixing Water	6.31	gal/sk	0	gal



Cementing Dispatch Sheet

Disp. 1	Cut Brine	115.012632593 16 bbls	9 lb/gal	n/a	n/a
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**HOBBS DISTRICT LAB****Cement Lab Report**

Phone: (575) 391-0012 Ext-107 Fax: (575) 394-0025

Test Number: 101908822
Report Number:

Test Date: 8/24/2017

WELL INFORMATIONOperator: WPX Energy
API #:
Well Name: RDX Fed Com 17-36H 3714
Slurry Type: 1st Lead
Blend Type: Lab
Comments: Referenced From #101908423County: Eddy
State: NM
Requested By: Waqas Iqbal
TVD: 1000 MD: 1000
District: Hobbs**TEST DATA AND SCHEDULE**Time To Temp (min): 13.00
Initial Press (psi): 250
Final Press (psi): 680
BHST (deg F): 89
BHCT (deg F): 80
Comments:Mud Density (lb/gal): 8.33
Mix Water Density (lb/gal): 8.34
Mix Water Type: Tap Water
Surf Temp (deg F): 80
Job Type: Surface**SLURRY AND TEST RESULTS**

Vendor: Southdown

Slurry: Class 'C' + 2.00% CA-400 + 5.00% CA-200 + 0.25 lb/sk CDF-100P

Density: 12 lb/gal
Yield: 2.478 CuFt/sk
Mix Water: 14.58 gal/sk (129.4%)
Total Mix Liquid: 14.58 gal/sk
Fluid Loss: 865 cc/30 minPump Time (50 Bc):
Pump Time (70 Bc): 4:59
Pump Time (100 Bc):

Free Water (ml): 4 (Tested at 90 Degrees)

Compressive Strength

Temp	Time	Strength	Type
89	5:45	50	UCA
89	12	221	UCA
89	24	338	UCA

Rheology (PL=Power Law, BP= Bingham Plastic)

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	31	25	18	17	13	6	0.135	0.098	13.4	11.3	BP

Bj Services

Comments:

Approved300 sack lead / 335 / 30660.8
cure feet / total lbsbulk
150 / 150



HOBBS DISTRICT LAB

Cement Lab Report

Phone: (575) 391-0012 Ext-107 Fax: (575) 394-0025

Test Number: 101908823
Report Number:

Test Date: 8/24/2017

WELL INFORMATION

Operator: WPX Energy
API #:
Well Name: RDX Fed Com 17-36H 37H
Slurry Type: 1st Tail
Blend Type: Lab
Comments: Referenced From #101908422

County: Eddy
State: NM
Requested By: Waqas Iqbal
TVD: 1000 MD: 1000
District: Hobbs

TEST DATA AND SCHEDULE

Time To Temp (min): 13.00
Initial Press (psi): 250
Final Press (psi): 680
BHST (deg F): 89
BHCT (deg F): 80
Comments:

Mud Density (lb/gal): 8.33
Mix Water Density (lb/gal): 8.34
Mix Water Type: Tap Water
Surf Temp (deg F): 80
Job Type: Surface

SLURRY AND TEST RESULTS

Vendor: Southdown
Slurry: Class 'C' + 1.00% CA-100

Density: 14.8 lb/gal
Yield: 1.335 CuFt/sk
Mix Water: 6.341 gal/sk (56.26%)
Total Mix Liquid: 6.341 gal/sk
Fluid Loss: 1100 cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc): 3:17
Pump Time (100 Bc):

Free Water (ml): 1.5 (Tested at 90 Degrees)

Compressive Strength

Temp	Time	Strength	Type
89	2:26	50	UCA
89	6:00	500	UCA
89	12	1215	UCA

Rheology (PL=Power Law, BP= Bingham Plastic)

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	51	45	29	22	17	13	0.202	0.105	15.1	27.8	BP

BJ Services

Comments:

Approved

195 sacks tail / total cube ft - 198.6 / total lbs 18813.5

Bulk
195