

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT **NMOCD**

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS Artesia
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM101110

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 36H

9. API Well No.
30-015-43636

10. 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 Other

2. Name of Operator
RKI EXPLORATION & PROD LL Contact: CRYSTAL FULTON
E-Mail: crystal.fulton@wpenergy.com

3a. Address
3500 ONE WILLIAMS CENTER MD35
TULSA, OK 74172

3b. 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 920FWL

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

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:

8/30/2017 Surface Casing
13.375? 54.5# J-55 BTC: 0? ? 817.5?
Lead: 300 sks @ 12 ppg & Tail: 195 sks @ 14.8 ppg.
Did not bump plug. Pressured to 180 psi, floats held, circ 60 bbls cement to surface: 135 Sks.
Prep to skid rig to the 37H. Release rig @ Midnight.

Accepted for record - NMOCD

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 26 2017

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

Electronic Submission #387996 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 PERMITTEE

Signature (Electronic Submission) Date 09/08/2017

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 _____

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 17-36H
13-3/8" Surface String Cement**

Job Date:

September 5, 2017



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

05 September 2017

REF: HNM170829581

To: Mr. Doug Withers
Drilling Engineer

WPX Energy
3500 One Williams Center
Tulsa, OK 74172

SUBJECT: RDX Fed Com #17-36H – 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 Tuesday, August 29, 2017.

BJ Services mobilized equipment and arrived at location 16:00 August 28, 2017. Rig up completed at 1800 August 28, 2017. Pre-job safety meeting held at 12:04 August 29, 2017. Pressure tested to 1500 psi. Pumped 30bbbls of Spacer at 4bpm followed by 132bbbls of Lead cement at 5bpm and 46bbbls of Tail cement. Dropped plug and started displacement. Completed displacement and check floats. Rigged-down completed and depart from location August 29, 2017.

BJ Services arrived at location within allocated time (Two hours prior to requested time) 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 bbbls over and check for flowback. 5 bbbls return observed. 60 bbbls 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 88240
M (940) 808 2552
www.BJservices.com



Cement Job Summary

Job Purpose		01 Surface	
Customer:	WPX Energy	Date:	8/29/2017
Well Name:	RDX Fed Com	Number:	#17-36H
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:
JOSE SANDOVAL	8550	Supervisor	
ALLEN SPMITH		PUMP OPERATOR	
MIGUEL DOMINGUEZ		BULK TRUCK	
KEVIN ALDERETE		BULK TRUCK	
CHARLES ASHER		EXTRA HAND	
ALEJAUNDO HERNANDEZ	#N/A	TRAIN ON PUMP	#N/A

Equipment:
PUMP 586
BULK TRUCK 201
BULK TRUCK 749

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	2.48	14.58
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	115.0126326	9.00	n/a	n/a

Slurry: Lead 1		Slurry Name: CLASS C PREMIUM PLUS				
Quantity:	300 sacks	Blend Vol:	334.97 cu.ft.	Blend Weight:	30660.8 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCCPP	Class C Premium Plus	94	Base Material	28200.0	lbm	
CA-400	Sodium Metasilicate	1.88	% BWOC	564.0	lbm	
CA-200	Sodium Chloride	6.07	% BWOW	1821.8	lbm	
CDF-100P	Powdered Defoamer	0.25	lb/sk	75.0	lbm	
Water	Mixing Water	14.58	gal/sk	4374	gal	

Slurry: Tail 1		Slurry Name: CLASS C PREMIUM PLUS				
Quantity:	195 sacks	Blend Vol:	198.63 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	
CA-100	Calcium Chloride	0.94	% BWOC	183.3	lbm	
Water	Mixing Water	6.33	gal/sk	1234.1	gal	

Job Purpose		01 Surface	
Customer:	WPX Energy	Date:	8/29/2017
Well Name:	RDX Fed Com	Number:	#17-36H
County:	Eddy	City:	Carlsbad
Cust. Rep:	0	Phone:	0
Distance	100 miles (one way)	Rig Phone:	0
		Supervisor	0

Time	Activity Description	Rate (bbl)	Volume (bbl)	Pressure (psil)	Comments



Cement Job Summary

Time	Activity Description	Rate (bbl/min)	Volume (bbl)	Pressure (psi)	Comments
18:00	Requested on Location				
16:00	Arrive at Location				RIG RUNNING CASING
16:10	Pre-Rig Up Safety Meeting				
17:30	Rig-Up Equipment				
18:00	Rig-Up Completed				
12:04	Pre-Job Safety Meeting				
12:10	Test Lines			1500	LINES TEST GOOD
12:19	Pump Spacer 1	4	30	70	FRESH WATER
12:29	Pump Lead Cement 1	5	132	80	300 SK-12LBS-YIELD 2.48-14.58 GAL
12:53	Pump Tail Cement 1	5	46	120	195 SK-14.8 LB- YIELD 1.34- 6.33 GAL
13:15	Drop Plug				
13:20	Pump Displacement	5	93	180	FRESH WATER
13:43	Bump Plug				PLUG DID NOT LAND, PUMP 2 BBLD OVER . HOLD 110 LBS PSI
13:55	Check Floats				.5 BBLs RETURNED
14:00	Post Job Safety Meeting				
14:20	Rig-Down Equipment				
14:45	Rig-Down Completed				
15:00	Depart Location				

COMMENTS:

ALL CEMENT PUMP. PLUG DID NOT LAND . PUMP 2 BBLs OVER HOLDING 110 PSI ON . 60 BBLs CEMENT RETURNED , 135 SKS OF CEMENT

Total Hours on Location	22	hrs
Rig Hours (Wait on Allied)	0	hrs
Float Collar Depth	42.15	ft
Plug Bumped	No	
Floats Held	Yes	
Average Displacement Rate	5	bpm
Mud Weight	9.3	lb/gal
Mud Type	Water Based	

Cement Water Analysis		Guidelines:
Temperature	86	< 95 deg F
pH	7	6-8
Sulfates	200	< 1800
Chlorides	100	< 3000

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





Cementing Dispatch Sheet

Job Purpose		01 Surface	
Customer:	WPX Energy	Date:	8/29/2017
Well Name:	RDX Fed Com	Number:	#17-36H
County:	Eddy	City:	Carlsbad
Cust. Rep:	Hector Noasco	Phone:	405-519-5997
Distance	100 miles (one way)	Rig Name:	TRANSCEND
Requested On Location -	Date:	8/29/2017	Time 6:00PM

Drive Safely - Wear Seat Belts - Observe Speed Limits - HANG UP THE PHONE!

Leaving Hobbs BJ yard t/lt go to 62-180 t/rt go west to C31 t/lt go to 285 t/lt go south on 285 to CR 725 (Whitehorn Rd), t/lt and travel East and stay on 725 for 12 miles to a "Y". Turn Left and travel 2.3 miles. Turn Left and travel 0.6 miles, turn left and travel 1 mile to location.

Comments - Specific Job Instructions

Wear all your PPE at all times / Take BBS Cards (Odessa)

Pumping Equipment

Description:	Qty	Description:	Qty
Pump Truck-586	1	Booster Pump	1
Bulk Truck	2		

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	2.48	14.58 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.	
Disp. 1	Cut Brine	115.012632593 16 bbls	9 lb/gal	n/a	n/a	



Cementing Dispatch Sheet

Job Purpose		01 Surface	
Customer:	WPX Energy	Date:	8/29/2017
Well Name:	RDX Fed Com	Number:	#17-36H
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 cu.ft.	Blend Weight:	30660.8 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	6.08	% BWOW	1821.78	lbm
CDF-100P	Powdered Defoamer	0.25	lb/sk	75.00	lbm
Water	Mixing Water	14.58	gal/sk	4374	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



HOBBS DISTRICT LAB

Cement Lab Report

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

Test Number: 101908822

Test Date: 8/24/2017

Report Number:

WELL INFORMATION

Operator: WPX Energy	County: Eddy
API #:	State: NM
Well Name: RDX Fed Com 17-36H	Requested By: Waqas Iqbal
Slurry Type: 1st Lead	TVD: 1000 MD: 1000
Blend Type: Lab	District: Hobbs
Comments: Referenced From #101908423	

TEST DATA AND SCHEDULE

Time To Temp (min): 13.00	Mud Density (lb/gal): 8.33
Initial Press (psi): 250	Mix Water Density (lb/gal): 8.34
Final Press (psi): 680	Mix Water Type: Tap Water
BHST (deg F): 89	Surf Temp (deg F): 80
BHCT (deg F): 80	Job Type: Surface
Comments:	

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 min

Pump 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:

Approved

300 sk Lead

335 cu/ft



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
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 SK Tail

199 Cu/FT

18,513 LBS

**BJ Services
Job Safety Analysis Worksheet (JSA)**

Job: _____ Ticket No.: _____
 Facility: _____ Department: Cement
 Date: _____ Date Reviewed: _____ Supervisor: _____
 Personal Protective Equipment (PPE) Required: _____

Hard Hat, Steel Toed Boots, Safety Glasses, Hearing Protection, Coveralls, Impact Gloves

Sequence Of Job Step:	Potential Accidents Or Hazards:	Recommended Safe Job Procedure:
Have pre job safety meeting with rig crew company rep & allied crew		Discuss all stages of job including pump schedule, circulation issues, pressures & wash up procedure
Pressure Testing Lines	Line separation, over pressuring, spraying fluids, flying objects, unexpected release of pressure	Direct all non-essential personnel to stand clear of lines, use caution tape to mark off areas where pressurized lines are present
Pumping The Job	Sudden pressure spikes, unexpected release of pressure, moving parts & equipment	Require pump hand to stay by the controls at all times, direct all non essential personnel to stay clear of the area
	Being exposed to cement or chemical dust/vapors	Wear proper PPE appropriate for the hazards present

