

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**NMOCD**  
**Artesia**

FORM 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.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM20965
2. Name of Operator RKI EXPLORATION & PROD LL      Contact: CRYSTAL FULTON E-Mail: crystal.fulton@wpenergy.com		6. If Indian, Allottee or Tribe Name
3a. Address 3500 ONE WILLIAMS CENTER MD35 TULSA, OK 74172	3b. Phone No. (include area code) Ph: 539-573-0218	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T26S R30E 75FNL 2510FWL		8. Well Name and No. RDX FEDERAL COM 17 46H
		9. API Well No. 30-015-44410
		10. Field and Pool or Exploratory Area PURPLE SAGE;WOLFCAMP(GAS)
		11. County or Parish, State EDDY COUNTY, NM

**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 Drilling Operations
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<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 recomplete 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 recompletion 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 SURFACE CASING & CEMENT WAS SET: 9/25/2017

13.375? 54.5# J55: 0? ? 950'  
Lead CMT: 860 sks @ 13.5 ppg, Tail: 250 sks @ 14.8 ppg. Bumped Plug @ 780 psi, floats held. 110 bbls/357 sks to SFC.

9/26/2017 test casing to 1500psi for 30 minutes. Good Test.

The binded Post Job Report is attached.

*BC 11-8-17*  
Accepted for record - NMOCD

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
NOV 07 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #390641 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 10/11/2017 ()**

Name (Printed/Typed) CRYSTAL FULTON	Title PERMITTING TECH II
Signature (Electronic Submission)	Date 10/03/2017

ACCEPTED FOR RECORD  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**      10/3 2017

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 \*\***

**PAR  FIVE**  
**ENERGY SERVICES LLC**

**DESIGN - EXECUTE - EVALUATE - REPORT**

**SURFACE**

**WPX ENERGY**

**RDX FEDERAL COM 17 # 46H**

**EDDY COUNTY, NEW MEXICO**

**PRIMARY PUMP: 2052**  
**SECONDARY PUMP:**

**PREPARED BY: JOHN INGRAM**

**SERVICE SUPERVISOR**

**ARTESIA DISTRICT**

**1-575-748-8610**

9/24/2017

WELL SUMMARY



**ENERGY SERVICES LLC**

COMPANY NAME: WPX ENERGY	DATE: 9/24/2017	
LEASE NAME: RDX FEDERAL COM 17	OPERATOR NAME: WPX ENERGY	
WELL NUMBER: #46H	TICKET NUMBER: 6518	
API NUMBER: 30-015-444	AFE NUMBER: WT46158	
SECTION:	TOWNSHIP:	RANGE:
COUNTY: EDDY	STATE: NM	
RIG NAME: ORION 10	COMPANY REP: BRYAN KNOPP	PHONE#: 361-553-4421

**DIRECTIONS**

US285 SOUTH of Malaga NM to MM #4 turn LEFT and follow CR725

**NOTES**

UPDATED BY MIKE ELLIOTT 8-28-17

**HSE**

ALL EMPLOYEES WEAR PPE

**JOB PROCEDURE**

PUMP 20 BBLS GEL SPACER  
PUMP 610 SKS LEAD SLURRY @ 13.5 PPG  
PUMP 200 SKS TAIL SLURRY @ 14.8 PPG  
SHUT DOWN DROP PLUG  
DISPLACE WELL

# WELL SUMMARY



WELL/CASING DATA							
JOB TYPE: SURFACE				HOLE SIZE: 17 1/2			
TVD: 1017				PREVIOUS CASING SIZE:			
PREVIOUS CASING LB/FT:				PREVIOUS CASING DEPTH:			
CASING SIZE: 13 3/8							
CASING LB/FT: 54.5				CASING GRADE: J55			
FLOAT COLLAR DEPTH: 963.45				SHOE JOINT LENGTH: 43.55			
DV TOOL DEPTH:				SECOND DV TOOL DEPTH:			
TOTAL DEPTH: 1017				TOTAL CASING : 1007			
TUBULAR DATA							
TBG/D.P. SIZE:				TBG/D.P. DEPTH:			
TBG/D.P. LB/FT:				TOOL DEPTH:			
PACKER OR RETAINER:				PERF/HOLE DEPTH:			
SURFACE EQUIPMENT							
CEMENT HEAD SIZE:		13 3/8		QUICK CONNECT SIZE:		13 3/8	
DRILL PIN SIZE/TYPE:				THREAD:			
TUBING SWEDGE SIZE:				TAKE 2 -2 INCH REGULAR TUBING SWEDGES			
CHEMICALS NEEDED							
110# PF 424, 200# SUGAR							
EQUIPMENT							
SUPERVISOR:		John Ingram		FIELD REPRESENTATIVE:			
PUMP OPERATOR:		Javier Gonzalez		UNIT NUMBER:		2052	
E/O:				UNIT NUMBER:		2017	
E/O:				UNIT NUMBER:			
E/O:				UNIT NUMBER:		BIN 2037	
E/O:				UNIT NUMBER:			
FLUID DATA							
1ST SLURRY:		C + 4% PF20 Bentonite + 1% PF1 Calcium + 0.4 pps PF45 Defoamer + 0.125 pps PF29 Cellophane					
DENSITY:	13.5	YIELD:	1.73	MIX H2O:	9.116	SACKS:	660
2ND SLURRY:		C + 2% PF1 Calcium					
DENSITY:	14.8	YIELD:	1.34	MIX H2O:	6.3	SACKS:	200
3RD SLURRY:							
DENSITY:		YIELD:		MIX H2O:		SACKS:	
4TH SLURRY:							
DENSITY:		YIELD:		MIX H2O:		SACKS:	
5TH SLURRY							
DENSITY:		YIELD:		MIX H2O:		SACKS:	
DISPLACEMENT TYPE :				DISPLACEMENT VOLUME:		MUD WEIGHT:	



**Service Charge Calculations**

Line	PF303	PF308	PF48	PF132	PF20	PF44	PF42	PF001	PF031	PF53	PF60	PF061	PF066	PF079	PF128	PF151	PF174	PF183	PFMS6	PF013	PF029	PF045	PF065	PF112	PF153	PF167	PF606	PF613	PF974
11740	/				850			235													31	100							
11790	/				840			235													31	100							
11720	/																												
7500	/				650			150																					
7510	/																												
9410	/																												
9390	/																												
80790	0	0	0	0	2510	0	0	998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	90	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
843	0	0	0	0	42	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1 way Mileage 100  
 Pounds 84662  
 Tons 42  
 Total Mileage 4200  
 Total Cuft 922

CO: WEX ENERGY  
 Name: #181  
 Date: 8/24/2017

PF424 0  
 Plug 0  
 Sugar 0  
 PF47 0  
 Sepp 0  
 PF840 0  
 PF603 0

Notes:









WPX

Well Name RDx Fed Low 17 #46 H

Rig # Orion Phoenix 10

Tier #1	Tier #2	Tier #3	Tier #4
lead	lead		
Type of Cement: <i>ct Adds</i>	Type of Cement: <i>ct Adds</i>	Type of Cement:	Type of Cement:
Trucks: <i>5001</i>	Trucks: <i>5001</i>	Trucks:	Trucks:
Trailers: <i>6001</i>	Trailers: <i>6001</i>	Trailers:	Trailers:
Sacks: <i>250</i>	Sacks: <i>250</i>	Sacks:	Sacks:
Date:	Date:	Date:	Date:
Driver:	Driver:	Driver:	Driver:



Par Five Energy Services, LLC  
 11279 Lovington Hwy  
 Artesia, NM  
 Phone(575)748-8610 Fax: (575) 748-8625

0730  
 ME  
 ART17-7625-01P

Customer: WPX Energy  
 Well Name: RDX Federal Com 17 #46H  
 County: Eddy State: NM  
 Rig: Orion Phoenix 10  
 Salesman: Chris DeLeon

MD: 950  
 TVD: 950  
 BHST: 88  
 BHCT: 81

Report Date: September 21 2017  
 Stage: Lead  
 String: Surface  
 Blend Type: Pilot Blend  
 Reported By: Wilson, Shannon

**Slurry Information**

Density: 13.50 ppg Yield: 1.73 cuft/sk Mix Fluid: 9.123 gal/sk

**Slurry Composition**

Cement Blend: Class C

Additive	Conc	%	Design	Description	Lot Number
PF-020	4.00%	%	BWOB	Bentonite Gel	Bulk
PF-001	1.00%	%	BWOB	Calcium Chloride	364AD1732
PF-045	0.400	lb/sk	BWOB	Defoamer	201304AC
PF-029	0.125	lb/sk	BWOB	Cellophane	

ME

**Rheology (Average Readings)**

Temp	3	6	100	200	300	PV	YP
81 °F	22.5	33.5	84.5	94	100	23.25	76.75

**Thickening Time**

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
81 °F	1:50	2:41	3:38	4:09		0

Thickening Time does not include batch time.

**Free Fluid**

Temp	Incl.	ml Collected	Start Time	Stop Time
81 °F	0	0 ml/250	10:33	10:53

**UCA Compressive Strength**

Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
88	3:35	9:08	683	1167		

**Comments**

The above data is for informational purposes, and Par Five Energy Services, LLC makes no guarantees or warranties, either expressed or implied, with respect to the accuracy or use of the data and interpretation.

0730  
SEP 24 2017 11E



**Par Five Energy Services, LLC**  
11279 Lovington Hwy  
Artesia, NM  
Phone(575)748-8610 Fax:(575) 748-8625

**ART17-7625-02P**

Customer: <b>WPX Energy</b>	MD: <b>950</b>	Report Date: <b>September 21 2017</b>
Well Name: <b>RDX Federal Com 17 #46H</b>	TVD: <b>950</b>	Stage: <b>Tail</b>
County: <b>Eddy</b> State: <b>NM</b>	BHST: <b>88</b>	String: <b>Surface</b>
Rig: <b>Orion Phoenix 10</b>	BHCT: <b>81</b>	Blend Type: <b>Pilot Blend</b>
Salesman: <b>Chris DeLeon</b>		Reported By: <b>Wilson, Shannon</b>

**Slurry Information**

Density: 14.80 ppg      Yield: 1.34 cuft/sk      Mix Fluid: 6.307 gal/sk

**Slurry Composition**

Cement Blend: Class C

Additive	Conc	Design	Description	Lot Number
PF-001	2.00% %	BWOB	Calcium Chloride	364AD1732

**Rheology (Average Readings)**

Temp	3	6	100	200	300	PV	YP
81 °F	20	28	62	76.5	88	39	49

**Thickening Time**

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
81 °F	1:11	1:12	2:19	3:14		0

Thickening Time does not include batch time.

**Free Fluid**

Temp	Incl.	ml Collected	Start Time	Stop Time
81 °F	0	0 ml/250	11:34	11:54

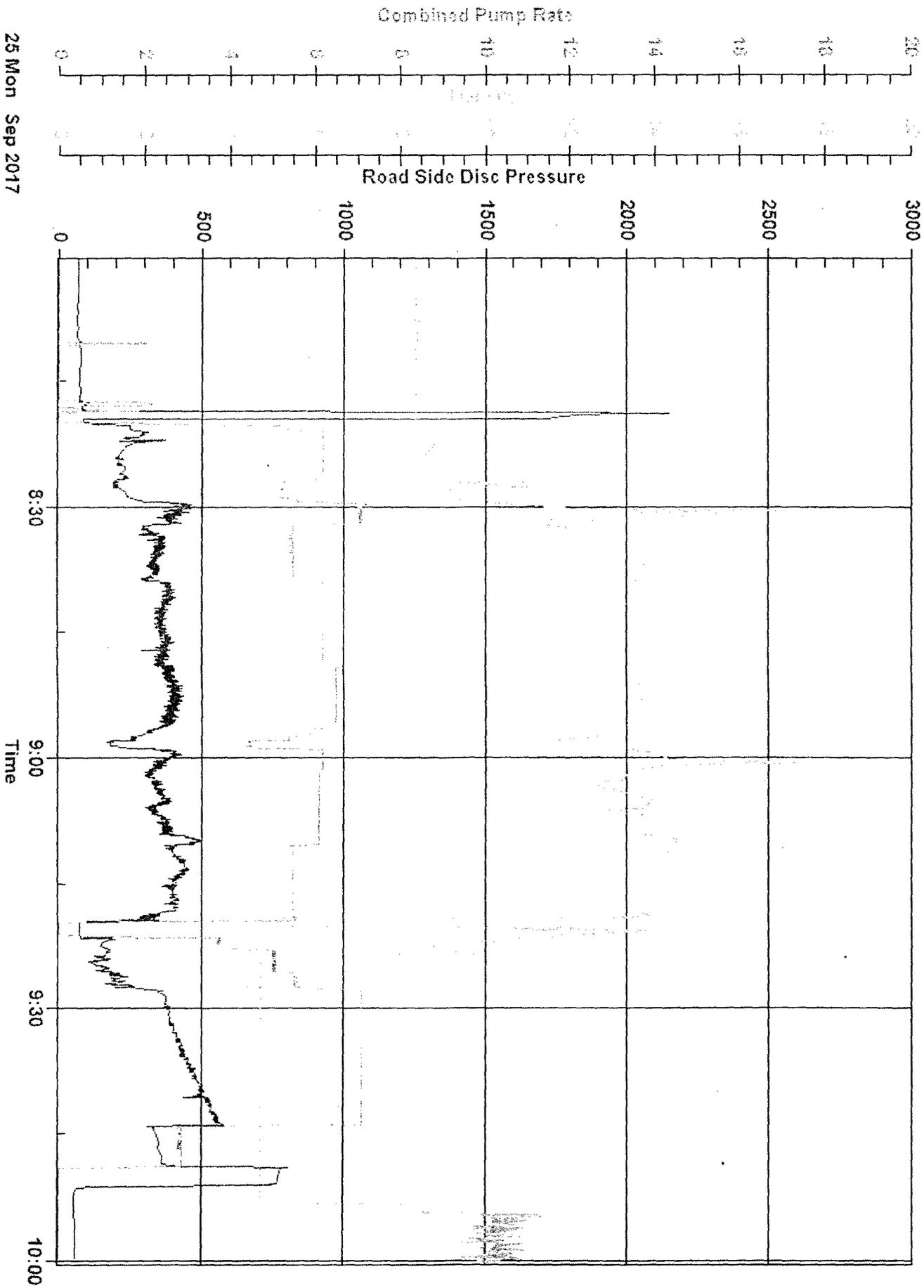
**UCA Compressive Strength**

Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
88	2:23	5:34	1299	2661		

**Comments**

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WPX\_RDX\_FED\_COM\_17\_46H\_PUMP\_2052



25 Mon Sep 2017