Form 3160-5 (June 2015)

UNITED STATES

NMOCD

FORM APPROVED OMB NO. 1004-0137

	EPARTMENT OF THE I UREAU OF LAND MANA		A .4	Expires: Ja	nuary 31, 2018
	NOTICES AND REPO	· -	Artesia	5. Lease Serial No. NMNM101110	
Do not use th	is form for proposals to II. Use form 3160-3 (AF	drill or to re-enter an	! !	6. If Indian, Allottee of	r Tribe Name
SUBMIT IN	TRIPLICATE - Other ins	tructions on page 2		7. If Unit or CA/Agree	ement, Name and/or No.
1. Type of Well				8. Well Name and No. RDX FEDERAL C	OM 17 45H
☐ Oil Well ☑ Gas Well ☐ Oth		ADVOTAL FULTON			
Name of Operator RKI EXPLORATION & PROD	Contact: LL E-Mail: crystal.fult	CRYSTAL FULTON con@wpxenergy.com		9. API Well No. 30-015-44408	
3a. Address 3500 ONE WILLIAMS CENTE TULSA, OK 74172	ER MD35	3b. Phone No. (include area code) Ph: 539-573-0218		10. Field and Pool or F PURPLE SAGE:	Exploratory Area ;WOLFCAMP(GAS
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description	1)		11. County or Parish, S	State
Sec 17 T26S R30E 75FNL 24	85FWL			EDDY COUNTY	, NM
12. CHECK THE AI	PPROPRIATE BOX(ES)	TO INDICATE NATURE O	F NOTICE,	REPORT, OR OTH	IER DATA
TYPE OF SUBMISSION		TYPE OF	ACTION		
Nation of Intent	☐ Acidize	☐ Deepen	☐ Product	ion (Start/Resume)	☐ Water Shut-Off
☐ Notice of Intent	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclam	ation	□ Well Integrity
Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomp	ilete	Ø Other
☐ Final Abandonment Notice	☐ Change Plans	□ Plug and Abandon	☐ Temporarily Abandon		Drilling Operations
	☐ Convert to Injection	Plug Back	☐ Water I	Disposal	
Attach the Bond under which the wo following completion of the involved	ally or recomplete horizontally rk will be performed or provide l operations. If the operation re pandonment Notices must be fi	ent details, including estimated starting give subsurface locations and measure the Bond No. on file with BLM/BIA sults in a multiple completion or recolled only after all requirements, including	red and true ve . Required sub mpletion in a r	ertical depths of all pertine bsequent reports must be new interval, a Form 3160	ent markers and zones. filed within 30 days 0-4 must be filed once
PLEASE BE ADVISED 1ST IN	NTERVAL CASING & CE	MENT WAS SET: 9/16/2017			
9.625? 40# J-55: 0? ? 3,482? CMT: Lead: 650 sks @ 12.9 p circulated 53 Bbls/154 sks to	pg, Tail: 200 sks @ 14.8 Sfc	ppg, bumped plug @ 1614 ps	i, floats held	INM OIL CONSE ARTESIA DIST	RVATION FRICT
9/17/2017 PT casing to 1,500	psi for 30 mins.			NOV 07	2017
The binded Post Job Report is	s attached.			NUV	1017
	Accepted for	//- 8 -/ 7 or record - NMOCD	/	RECEIY	ED
14. I hereby certify that the foregoing is	Electronic Submission #	390049 verified by the BLM Wel	Information e Carlsbad	System ()	

Committed to AFMSS for processing by JENNIFER SANCHEZ on 10/11/2017 () PERMITTING TECHT Name (Printed/Typed) CRYSTAL FULTON Title Signature (Electronic Submission) Date 09/27/201 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Title Approved By 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. CARLSBAD 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 wilfully 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 **



ENERGY SERVICES LLC

DESIGN - EXECUTE - EVALUATE - REPORT

INTERMEDIATE

WPX ENERGY RDX FEDERAL COM 17 #45H EDDY, NEW MEXICO

PRIMARY PUMP: SECONDARY PUMP:

2051

PREPARED BY: DANIEL MORENO

SERVICE SUPERVISOR
ARTESIA DISTRICT
1-575-748-8610

9/16/2017

WELL SUMMARY



ENERGY SERVICES LLC

COMPANY NAME:	WPX ENERGY		DATE:	9/16/2017	7		
LEASE NAME:	RDX FEDERAL COM 17		OPERATO	R NAME:	WPX ENER	GY	
WELL NUMBER:	45H		TICKET NU	JMBER:	6637		
API NUMBER:			AFE NUM	BER:			
SECTION:		TOWNSHIP):			RANGE:	
COUNTY: EDDY			STATE:	NM			
RIG NAME: ORION 10	0	COMPANY	REP:	BRYAN KN	IOPP	PHONE#:	361-559-4421
65.0		100	DIRECTION	15*			

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

NOTES :

UPDATED BY MIKE ELLIOTT 8-28-17

HSF

ALL EMPLOYEES WEAR PPE

JOB PROCEDURE

PUMP BBLS GEL SPACER
PUMP 650 SKS LEAD SLURRY @ 12.9 PPG
PUMP 200 SKS TAIL SLURRY @ 14.8 PPG
SHUT DOWN DROP PLUG
DISPLACE WELL

WELL SUMMARY



ENERGY SERVICES LLC

		·	NAMES OF THE PARTY	LL/CASING	DATA			
JOB TYPE: INTERMI	EDIATE			HOLE SIZE		12 1/4		
TVD:	3500			PREVIOUS	CASING SIZ	E:	13 3/8	
PREVIOUS CASING L	B/FT:	54.5		PREVIOUS	CASING DE	PTH:	1007	
CASING SIZE:	9 5/8				" " " " " " " " " " " " " " " " " " " 			
CASING LB/FT:	40			CASING G	RADE:	J55		
FLOAT COLLAR DEPT	H: 3438.85			SHOE JOIN	NT LENGTH:	43.15		
DV TOOL DEPTH:			· · · · · · · · · · · · · · · · · · ·	SECOND D	OV TOOL DEP	PTH:		
TOTAL DEPTH:	3500			TOTAL CA	SING :	3482		
		77.1376534	TV:	UBULAR DA	ATA 1	W. W		
TBG/D.P. SIZE:				TBG/D.P.				
TBG/D.P. LB/FT:		······································		TOOL DEP	TH:			
PACKER OR RETAINE	R:			PERF/HOL	E DEPTH:			
			SÚŘI		MENT			
CEMENT HEAD SIZE		9 5/8	3,550,000,000,000,000,000,000,000,000,00	QUICK CO	NNECT SIZE:	9 5/8		
DRILL PIN SIZE/TYPE	:	<u> </u>		THREAD:		8 RD		
TUBING SWEDGE SIZ				TAKE 2 - 2	INCH REGUL	AR TUBING	G SWEDGES	
			CHE		EDED /45			
110# PF 424, 200# S	UGAR			EOUIPMEN	lir i si si si			
SUPERVISOR:	Daniel Mo	reno		FIELD REP	RESENTATIV	Έ:		
PUMP OPERATOR:	Michael De	evito		UNIT NUN	MBER:	1037-205	1	
E/O:				UNIT NUN	MBER:	1020-201	5	
E/O:				UNIT NUN	MBER:			
E/O:				UNIT NUN		 		
				UNIT NUM	ADED.			
E/O:				FUUID DAT		<u> </u>		
	35/65 Poz/C	+ 5% /BW/OW	/) PF44 Salt + 69	Children and Co. Article and the control of	the for the water of conduction and a second	9 Chemical F	xtender + 3 pps PF42 Kol-	Seal + 0.4 pns
1ST SLURRY:	1 ' '	•	os PF29 Celloph					30d. 7 d. 1 pp3
DENSITY: 12.9	YIELD:	1.92		9.956	SACKS:		650	
2ND SLURRY:	C + 0.2% PF1	3 Retarder						
DENSITY: 14.8	YIELD:	1.32	MIX H2O:	6.3	SACKS:		200	
3RD SLURRY:				. 		······································		
DENSITY:	YIELD:		MIX H2O:	T	SACKS:	T	<u> </u>	
4TH SLURRY:						<u> </u>		
DENSITY:	YIELD:	T .	MIX H20:		SACKS:			
						<u></u>		
	1							
5TH SLURRY	AIEI D.	T	MIX H2O:	Ţ .	ISACKS:	T		
	YIELD:	WATER	MIX H2O:	NENT VOLU	SACKS:	261	MUD WEIGHT:	10.3



DATE: 9/16/2017

COMPANY NAME: WPX ENERGY				DATE: 9/16/2017
LEASE NAME: RDX FEDERAL COM 17			17	TICKET NUMBER: 6637
WELL NUMBER:	45H			JOB TYPE: INTERMEDIATE
SCHEDULED LOCAT	ION TIME		13:30	
TIME ARRIVED ON			15:30	TIME LEFT LOCATION 2:00
TIME PR	ESSURE CASING	VOLUME	RATE	LOG DETAILS
13:20				PRE-CONVOY MEETING
13:30				DEPARTURE FROM YARD
15:30				ARRÎVE LOCATION
15:35				HAZZARD ASSESMENT
15:40				PRE-RIG UP MEETING
15:45				RIG UP EQUIPMENT
20:10				PRE JOB SAFETY MEETING
22:01	200	2	4	PRIME LINES
22:02	2500	0.5	0.5	TEST LINES
22:10	205	20	4	GEL
22:15	500	20	6.5	FRESH WATER
22:19	330	222	6.5	LEAD CEMENT
23:12	248	47	5.5	TAIL CEMENT
23:21				SHUTDOWN
23:24			,	DROP PLUG
23:25	0:00	261	8	DISPLACEMENT
0:01	999	250	2	SLOW RATE
0:02	1037			BUMP PLUG
0:08	1614			CHECK FLOATS BLED BACK 1.5 BBLS
				CIRCULATED 53 BBLS/ 154 SKS OF CEMENT TO SURFACE
0:15				RIG DOWN SAFETY MEETING
0:20				RIG DOWN EQUIPMENT
71.2				
1				
				·
	1			



ENERGY SERVICES LLC

Field Ticket: TKT00006637

	CONTR	ACT CONDITIONS: (This agreement must be signed before work is con	imenceo).
	d conditions at	of the customer, agrees and acknowledes that the services, materials, products an ttached <u>including indementy and waiver of warrany provisions</u> , No additional terms	and conditions shall apply to this order.
	Signed:	X	Well Owner, Operator, or Agent
Terms-Net Payable on Receipt Over 30Days, Discount Voids		Signature:	Burley Brown
Emissions Regulation:		PO#:	

ROUTING CODE: NXEEPPERM: AN COST.	, 802.7
WY46/57 AFE LOE FOE	
ROX Fed Com 17-45H	IVol Pag
Code: 8300 - 8949	Facility
Approval: Bundon Stra 5/17	/17
Print Name: Brandon Bustice	

	14,86	7.42
Location:	T	
Lode: 8300 - 8811	्रव्याप अस स्थि	
Approvati Burston Byen 9/1	7/17	
Brender Boyce		

1 way Mileage Pounds Tons Ton Mileage Total Cu/ft RFC PF903 PF909 PF40 PF903 PF909 PF432 PF20 PP1 7680 6940 1350 703 7700 6860 1350 103 7700 6860 1350 103 7700 4 6860 1350 62 4560 4 4170 870 622 100 85643 43 4300 / 995 Co.: WPX ENERGY
Well: RDX FEDERAL COM 17 445H
Date: 9/16/2017 1350 / 1036 Service Charge Calculations

PF44 PF42 PF001 PF031 PF53 PF60 PF061 PF066 PF079 PF128 PF161 PF174 PF183 PFMS6 PF013 PF028 PF045 PF085 PF112 PF183 PF187 PF806 PF813 PF974 71036/750 / 31 / 100 / 31 / 100 / 622 750 ' 450 Sugar PF47 Sapp PF840 PF803 710 Notes. 11 1 8 31 / 6 ٠. 100 / 8



Par Five Energy Services, LLC

ART17-7622-01F

ENERGY SERVICES LLC

11279 Lovington Hwy Artesia, NM

Phone(575)748-8610 Fax: (575) 748-8625

Customer: WPX Energy

MD: 3434

Report Date: September 14 2017

Stage:

Well Name: RDX Federal Com 17 #45H

TVD: 3434

Lead

County: Eddy

State: NM

BHST: 107

String: Intermediate

Rig: Orion Phoenix 10

BHCT: 91

Blend Type: Pilot Blend

Salesman: Chris DeLeon

Reported By: Hernandez, Patricia

Slurry Information

Density: 12.90 ppg

Yield: 1.92 cuft/sk

Mix Fluid: 9.955 gal/sk

Slurry Composition

Cement Blen	d: 35/	65PozC			
Additive	Conc		Design	Description	Lot Number
PF-044	5.000	%	BWOW	Salt	G3CB09
\ PF-020	6.00%	%	BWOB	Bentonite Gel	Bulk
PF-079	0.50%	%	BWOB	chemical Extender / Suspension Aid	44230101
PF-042	3.000	lb/sk	вмов	KOLSEAL.	BulK
→PF-045	0.400	lb/sk	BWOB	Defoamer	201304AC

PF-029

Temp

3

0.125 lb/sk

6

BWOB Cellophane

300

P۷

ΥP

247254.5	Bital	le servici	hickening	Time		(400) 2 (41)
Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
91 °F	2:10	2:26	3:07	3:27		0

80 °F 27 40.5 72.5 76 80 11.25 68.75 91 °F 29 51.5 168 177 185 25.5 159.5

100

: N. Rheology (Average Readings) : 100 p. 200

Thickening Time does not include batch time.

		(अंग्रहीमार्च)		
Temp	Incl.	ml Collected	Start Time	Stop Time
91 °F	0	0 ml/250	5:38	7:38

LUCA Compressive Strangth								
Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr		
107	4.07	7.13	936	1309				



Par Five Energy Services, LLC

ART17-7622-02F

ENERGY SERVICES LLC

11279 Lovington Hwy Artesia, NM

Phone(575)748-8610 Fax: (575) 748-8625

Customer: WPX Energy

MD: 3434

Report Date: September 14 2017

Well Name: RDX Federal Com 17 #45H

TVD: 3434 Stage: Tail

County: Eddy

State: NM

BHST: 107

Intermediate

Rig: Orion Phoenix 10

BHCT: 91

Blend Type: Pilot Blend

Salesman: Chris DeLeon

Reported By: Hernandez, Patricia

String:

Slurry Information 🙉

Density: 14.80 ppg

Yield: 1.32 cuft/sk

Mix Fluid: 6.311 gal/sk

Class C

Conc

Description

Additive No Adds Design **BWOB**

Lot Number

Slurry Composition

Rheology (Average Readings)												
Temp	3	6	100	200	300	PV	ΥP					
80 °F	13.5	21	42	51.5	57	22.5	34.5					
91 °F	17	27.5	77	90.5	100	34.5	65.5					

100		a e e	hickening	lime			
Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time	
91 °F	1:53	1:54	2:32	3:04		0	
Thickening Time does not include batch time.							

		(គឺរួមធ្វេចវិញថ្ងៃ)		ar is a
Temp	Incl.	ml Collected	Start Time	Stop Time
91 °F	0	0 ml/250	12:12	12:32

		UCAGon	i usine	พลเส็ญ		
Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
107	3.18	5:30	1819	2831		