

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS** **NMOCD**  
*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**

**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. NMNM101110
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. 8. Well Name and No. RDX FEDERAL COM 17 44H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T26S R30E 75FNL 2460FWL		9. API Well No. 30-015-44409
		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 2ND INTERVAL CASING & CEMENT WAS SET:

9/4/2017 PT 1st Interval Casing to 1500 PSI for 30 min. Good Test.

9/11/2017 2nd Interval

8.750" 29# P110: 0? ? 11,275?

Lead: 855 sks @ 11.2 ppg & Tail: 235 sks @ 15.6 ppg.

Bump plug @ 1,551 psi, floats held. 2bbl return to cement truck. Displacement 415 bbls as calculated. Lost returns @ 295 bbls away. Est TOC 518'

The binded Post Job Report is attached.

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

**NM OIL CONSERVATION**

ARTESIA DISTRICT

NOV 07 2017

RECEIVED

*hole size?*

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

Electronic Submission #389898 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 09/26/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

Approved By \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

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**

**DEEP INTERMEDIATE**

**WPX ENERGY**

**RDx Federal Com 17 #44H**

**Eddy County, New Mexico**

**PRIMARY PUMP:** Unit #2036 Josh Casillas  
**SECONDARY PUMP:** Unit #2001 Chava

**PREPARED BY: Ruben Sanchez Jr**

**SERVICE SUPERVISOR**

**ARTESIA DISTRICT**

**1-575-748-8610**

9/11/2017

# WELL SUMMARY

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

COMPANY NAME: WPX ENERGY	DATE: 9/11/2017	
LEASE NAME: RDX FEDERAL COM 17	OPERATOR NAME: WPX ENERGY	
WELL NUMBER: #44H	TICKET NUMBER: 6775	
API NUMBER:	AFE NUMBER:	
SECTION:	TOWNSHIP:	RANGE:
COUNTY: EDDY	STATE: NM	
RIG NAME: ORION 10	COMPANY REP: BRYAN KNOPP	PHONE#: 361-533-4421

### DIRECTIONS

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

### NOTES

UPDATED BY MIKE ELLIOTT 8-25-17

### HSE

ALL EMPLOYEES WEAR PPE

### JOB PROCEDURE

PUMP 20 BBLS GEL SPACER  
PUMP 855 SKS LEAD SLURRY @ 11.2 PPG  
PUMP 235 SKS TAIL SLURRY @ 15.6 PPG  
SHUT DOWN DROP PLUG  
DISPLACE WELL

# WELL SUMMARY

## PAR FIVE

### ENERGY SERVICES LLC

WELL/CASING DATA									
JOB TYPE: DEEP INTERMEDIATE					HOLE SIZE: 8 3/4				
TVD: 10,902					PREVIOUS CASING SIZE: 9 5/8				
PREVIOUS CASING LB/FT: 40					PREVIOUS CASING DEPTH: 3,490				
CASING SIZE: 7									
CASING LB/FT: 29					CASING GRADE: P110				
FLOAT COLLAR DEPTH: 11,181.65					SHOE JOINT LENGTH: 88.35				
DV TOOL DEPTH: n/a					SECOND DV TOOL DEPTH: n/a				
TOTAL DEPTH: 11,295					TOTAL CASING : 11,270				
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: 7			QUICK CONNECT SIZE: 7						
DRILL PIN SIZE/TYPE:			THREAD:			BUTTRESS			
TUBING SWEDGE SIZE:			TAKE 2 -2 INCH REGULAR TUBING SWEDGES						
CHEMICALS NEEDED									
110# PF 424, 200# SUGAR									
EQUIPMENT									
SUPERVISOR:		Ruben Sanchez			FIELD REPRESENTATIVE:				
PUMP OPERATOR:		Josh Castillas			UNIT NUMBER:		1034/2036		
E/O:		David Chavarria			UNIT NUMBER:		1038/2001		
E/O:		Jose Velasquez			UNIT NUMBER:		1018/2030		
E/O:					UNIT NUMBER:		Field Bin 2034		
E/O:					UNIT NUMBER:				
FLUID DATA									
1ST SLURRY:		PVL + 10% PF20 Bentonite + 8% PF60 PlexCrete FPZ + 1% PF13 Retarder + 0.7% PF606 Fluidloss +3 pps PF42 Kol-Seal + 0.4 pps PF45 Defoamer + 0.125 pps PF29 Cellophane							
DENSITY:	11.2	YIELD:	2.67	MIX H2O:	15.697	SACKS:	855		
2ND SLURRY:		H + 0.3% PF13 Retarder + 0.1% PF65 Dispersant							
DENSITY:	15.6	YIELD:	1.18	MIX H2O:	5.225	SACKS:	235		
3RD SLURRY:									
DENSITY:		YIELD:		MIX H2O:		SACKS:			
4TH SLURRY:									
DENSITY:		YIELD:		MIX H2O:		SACKS:			
5TH SLURRY:									
DENSITY:		YIELD:		MIX H2O:		SACKS:			
DISPLACEMENT TYPE :		OBM			DISPLACEMENT VOLUME:		415	MUD WEIGHT:	9.5

JOB LOG



COMPANY NAME: WPX ENERGY			DATE: 9/11/2017		
LEASE NAME: RDX FEDERAL COM 17			TICKET NUMBER: 6775		
WELL NUMBER: #44H			JOB TYPE: DEEP INTERMEDIATE		
SCHEDULED LOCATION TIME		9/11/2017 14:00			
TIME ARRIVED ON LOCATION		9/11/2017 14:00		TIME LEFT LOCATION 9/12/2017 1:30	
TIME	PRESSURE		VOLUME	RATE	LOG DETAILS
	TBG OR D.P.	CASING			
13:25					PRE-CONVOY MEETING
13:28					DEPARTURE FROM YARD
14:00					ARRIVE LOCATION
14:10					HAZZARD ASSESMENT
14:15					PRE-RIG UP MEETING
14:20					Rig Up
15:20					Finished Rigging Up
					Rig Still Running Casing
17:00					Casing Crew Rigging Down
19:00					Pre Job Safety Meeting
16:50					Stab Head
20:23		80	2	4	2 Bbl Spacer to fill Lines
20:25		6300	0.5	0.5	Test Lines
20:27		230	20	6	Gel Spacer
20:31		280	10	6	Dye Spacer
20:33		480	406.5	7.5	Lead Slurry
21:30		875	49.5	7	Tail Slurry
21:38		0	0	0	Shut Down Wash up
21:43		0	0	0	Drop Plug
21:46		1115	405.3	8	Displacement
23:01		1070	9.5	4	Slow Rate
23:03		1551	0.5	4	Bump Plug
		1551		0	hold for 5 Min
23:08					Check Floats
					Floats Held
					Circulated no Cement
23:25					Rig Down Safety Meeting
23:30					Rig Down
1:00					Finished Rigging Down
					Jose V. Blew Down Field Bin
1:15					Pre Convoy Meeting
1:30					Leaving Location
					Thank you Ruben Sanchez Jr and Crew for using PAR FIVE ENERGY



**ENERGY SERVICES LLC**

Field Ticket: TKT00006775

Date of Job: 09/11/2017	District: Artesia	New Well / Old Well: New Well
Customer: WPX Energy	Well #: RDX Federal Com 17 #44H	
Address: PO Box 21358	County: Eddy	State: New Mexico
City: Tulsa	State: Oklahoma	Field:
Zip Code: 74121-1358	On Road Miles:	Off Road Miles:
Contact Person/Companyman: Mr. Bryan Knopp	Salesman: Chris DeLeon	
Contact Number: 1-361-533-4421	Service Supervisor: Anthony Granados	
Rig Contractor: Orion Phoenix	Tractor:	Trailer:
Rig Number: 10	Equipment Operators: David Chavarria Ruben Sanchez Joshua Casillas Jose Velasquez	
Head & Manifold: 7 DEEP Intermediate		
Job Type: Casing		

Description	Quantity	List Price	Extended Price	Discount %	Net Amount
<b>Equipment</b>					
Field Support Work*	1.00	1,500.00	1,500.00	0	1,500.00
Mileage Charge, all other equipment, per mile*	600.00	6.93	4,158.00	62	1,580.04
Cars, pickups, monitoring vehicles round trip* (100 miles one way)	400.00	4.62	1,848.00	62	702.24
Casing - 8001' - 12000*	1.00	11,000.00	11,000.00	62	4,180.00
Cement Pump Additional Hours*	4.00	1,097.25	4,389.00	30	3,072.30
Cement Field Bin Set Up Charge*	1.00	866.25	866.25	62	329.18
Bulk Unit, per hr on location*	4.00	173.25	693.00	30	485.10
Standby Cement Pumper, per 4 hrs or fraction of*	3.00	3,465.00	10,395.00	62	3,950.10
Low Pressure Cement Plug Container*	1.00	924.00	924.00	62	351.12
Centrifugal Pump Services, per job*	1.00	3,000.00	3,000.00	62	1,140.00
Delivery Charge - Ton mileage, per ton mile*	5,100.00	3.00	15,300.00	62	5,814.00
Service Charges - Land jobs*	1,572.00	4.75	7,467.00	62	2,837.46
<b>Equipment Total</b>					<b>25,941.54</b>
<b>Inventory</b>					
PF900 Dye*	20.00	5.78	115.50	62	43.89
PF-999 - Sugar*	200.00	4.62	924.00	62	351.12
Top Plastic Plugs - 7*	1.00	293.37	293.37	62	111.48
Class H, per cu. ft. (94lb/cu ft)	236.00	36.40	8,590.40	62	3,264.35
PF49 TXI Lightweight (75lb/cu ft)	855.00	52.00	44,460.00	62	16,894.80
PF20 Bentonite Extender, per lb (60lb/cu ft)	6,570.00	0.56	3,656.20	62	1,389.36
PF42 KOL-SEAL LCA, per lb (50lb/cu ft)	2,560.00	1.31	3,360.00	62	1,276.80
PF-060 Plexcrete FPZ, per lb (16lb/ft3)	5,120.00	2.00	10,240.00	62	3,891.20
PF13 Retarder, per lb	705.00	5.49	3,871.50	62	1,471.17
PF45 Defoamer Antifoam Agent, per lb	343.00	4.72	1,620.67	62	615.86
PF47 Liquid Antifoam Agent, per gal	10.00	86.63	866.25	62	329.18
PF29 Cellophane Flakes, per lb	108.00	6.07	655.45	62	249.07
PF606 Fluid Loss Control, per lb	450.00	28.01	12,606.30	62	4,790.39
PF424 Water Gelling Agent, per lb	110.00	9.82	1,079.92	62	410.37
<b>Inventory Total</b>					<b>35,089.04</b>
<b>Personnel</b>					
Field Operator*	12.00	92.40	1,108.80	30	776.16
Service Supervisor or Field Engineer, per hour*	4.00	115.50	462.00	30	323.40
<b>Personnel Total</b>					<b>1,099.56</b>



**ENERGY SERVICES LLC**

Field Ticket: TKT00006775

Job Total	62,130.13
-----------	-----------

Ticket Notes

**Cement Recipe**  
11269' 8 3/4" Openhole 7" 29# BUTT Casing

CONTRACT CONDITIONS: (This agreement must be signed before work is commenced).

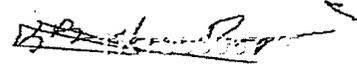
The undersigned, as authorized agent of the customer, agrees and acknowledges that the services, materials, products and supplies provided for this order shall be subject to the terms and conditions attached including indemity and waiver of warranty provisions. No additional terms and conditions shall apply to this order.

Signed: 

Well Owner, Operator, or Agent

Terms-Net  
Payable on Receipt  
Over 30Days, Discount Voids

Signature:  
Kountry



Emissions Regulation: 200 gallons

PO#:

Date of Job: 09/11/2017		District: Artesia		New Well / Old Well: New Well	
Customer: WPX Energy			Well #: RDX Federal Com 17 #44H		
Address: PO Box 21358		County: Eddy		State: New Mexico	
City: Tulsa	State: Oklahoma	Field:		API#:	
Zip Code: 74121-1358		On Road Miles:		Off Road Miles:	
Contact Person/Companyman: Mr. Bryan Knopp			Salesman: Chris DeLeon		
Contact Number: 1-361-533-4421			Service Supervisor: Anthony Granados		
Rig Contractor: Orion Phoenix		Tractor:	Trailer:	Equipment Operators:	
Rig Number: 10				David Chavarria	
Head & Manifold: 7 DEEP Intermediate				Ruben Sanchez	
Job Type: Casing				Joshua Casillas	
				Jose Velasquez	

Description	Quantity	Net Amount
<b>Equipment</b>		
Field Support Work*	✓ 1.00	1,500.00
Mileage Charge, all other equipment, per mile*	✓ 600.00	1,580.04
Cars, pickups, monitoring vehicles round trip* (100 miles one way)	✓ 400.00	702.24
Casing - 8001' - 12000**	✓ 1.00	4,180.00
Cement Pump Additional Hours*	✓ 4.00	3,072.30
Cement Field Bin Set Up Charge*	✓ 1.00	329.18
Bulk Unit, per hr on location*	4.00	485.10
Standby Cement Pumper, per 4 hrs or fraction of*	✓ 3 2:00	2,633.40
Low Pressure Cement Plug Container*	✓ 1.00	351.12
Centrifugal Pump Services, per job*	✓ 1.00	1,140.00
Delivery Charge - Ton mileage, per ton mile*	✓ 5,100.00	5,814.00
Service Charges - Land jobs*	✓ 1,572.00	2,837.46
<b>Equipment Total</b>		<b>24,624.84</b>
<b>Inventory</b>		
PF900 Dye*	✓ 20.00	43.89
PF-999 - Sugar*	✓ 200.00	351.12
Top Plastic Plugs - 7*	✓ 1.00	111.48
Class H, per cu. ft. (94lb/cu ft)	✓ 236.00	3,264.35
PF49 TXI Lightweight (75lb/cu ft)	✓ 855.00	16,894.80
PF20 Bentonite Extender, per lb (60lb/cu ft)	✓ 6,570.00	1,389.36
PF42 KOL-SEAL LCA, per lb (50lb/cu ft)	✓ 2,560.00	1,276.80
PF-060 Plexcrete FPZ, per lb (16lb/ft3)	✓ 5,120.00	3,891.20
PF13 Retarder, per lb	✓ 705.00	1,471.17
PF45 Defoamer Antifoam Agent, per lb	✓ 343.00	615.86
PF47 Liquid Antifoam Agent, per gal	✓ 10.00	329.18
PF29 Cellophane Flakes, per lb	✓ 108.00	249.07
PF65 TIC Dispersant, per lb	○ 22.00	83.39
PF606 Fluid Loss Control, per lb	✓ 450.00	4,790.39
PF424 Water Gelling Agent, per lb	✓ 110.00	410.37
<b>Inventory Total</b>		<b>35,172.43</b>
<b>Personnel</b>		
Field Operator*	12.00	776.16
Service Supervisor or Field Engineer, per hour*	4.00	323.40

# PAR FIVE

## ENERGY SERVICES LLC

Field Ticket: TKT00006775

Personnel Total	1,099.56
Job Total	60,896.83

Ticket Notes

Cement Recipe  
11269' 8 3/4" Openhole 7" 29# BUTT Casing

CONTRACT CONDITIONS: (This agreement must be signed before work is commenced).

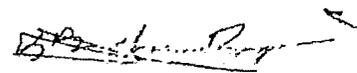
The undersigned, as authorized agent of the customer, agrees and acknowledges that the services, materials, products and supplies provided for this order shall be subject to the terms and conditions attached including indemnity and waiver of warranty provisions. No additional terms and conditions shall apply to this order.

Signed:  \_\_\_\_\_ Well Owner, Operator, or Agent

Terms-Net  
Payable on Receipt  
Over 30Days, Discount Voids

Signature:

Kountry



Emissions Regulation:

PO#:

ROUTING CODE: NYEPPERMIAN COST: \$60,896.83

W. 46156 AFE	LOE	FOE
Location: RDX Fed Com 17-44H		Well Prod Facility
Code: 8300 - 8949		
OPS	Approval: Brendon Boyce	Date: 9/12/17
Print Name: Brendon Boyce		

### Service Charge Calculations

RF#	PF803	PF809	RF48	PF132	PF20	PF44	PF42	PF001	PF031	PF43	PF60	PF041	PF096	PF079	PF128	PF151	PF174	PF163	PFNS6	PF013	PF028	PF045	PF066	PF112	PF153	PF167	PF806	PF813	PF874	
12310			12310		1240		500				120									125	21	87								
1500			12310		1240		500				1000									125	21	87								
12310			12310		1240		500				1000									125	21	87								
12350			12350		1240		500				1000									125	21	87								
12290			12290		1430		500				1000									125	21	87								
12500			12500		1230		500				1000									125	21	87								
22150			22150																	65										

1 way Mileage 100  
 Pounds 102186  
 Tons 51  
 Ton Mileage 5100  
 Total CVR 1572

Co. WPK ENERGY  
 VEH RDV Federal Conv 17.944H  
 Date 8/11/2017

PF424 110  
 Plug 0  
 Sugar 200  
 PF47 10  
 Sapp 0  
 PF840 0  
 PF603 0

Max

Well Name WRX RDX Fed Com 17 #4441

Rig # Orion Phoenix 10

Tier #1	Tier #2	Tier #3	Tier #4
Lead	Lead	Lead	Lead
Type of Cement: PVC + Adds			
Trucks: 5002	Trucks: 5002	Trucks: 5001	Trucks: 5001
Trailers: 6002	Trailers: 6002	Trailers: 6001	Trailers: 6001
Sacks: 214	Sacks: 214	Sacks: 214	Sacks: 214
Date:	Date:	Date:	Date:
Driver:	Driver:	Driver:	Driver:







# SHIPPING PAPERS

24157



SEMI	YANM	OPERATOR/ DRIVER NAME	DATE SHIPPED	TREATMENT NO.
TRUCK NO./ MOTOR VESSEL NAME	5002	TRAILER NO.	6002	CUSTOMER
SPECIAL INSTRUCTIONS	WPX			JOB LOCATION (PLANT OR FIELD)
PLACARDS REQUIRED: TRUCK	TRAILER		PORTABLE TANK(S)	

HM	DOT SHIPPING DESCRIPTION (SHIPPING NAME, HAZARD CLASS, UN #, PACKAGE GROUP)	CHEMICAL NAME	WT./VOL.	TYPE PACKAGE	NO. OF PACKAGES	CODE	QUANTITY RETURNED
	167 SKS PVL + FPZ + ADDS	PVL	6290	TANK	1	PF-049	✓
	LEAD	Bentonite Gel	1240	TANK	1	PF-020	✓
		FPZ	1000	TANK	1	PF-080	✓
		Koi-Seal	500	TANK	1	PF-042	✓
		Relarder	125	TANK	1	PF-013	✓
		FLUID LOSS CONTROL	88	TANK	1	PF-606	✓
		Antifoam	67	TANK	1	PF-045	✓
		Cellophane	21	TANK	1	PF-029	✓
		PVL	6260	TANK	1	PF-049	✓
						10 6/4	

UNIT DESCRIPTION WEIGHT UNIT DESCRIPTION WEIGHT

**Total Weight 15591.00 LBS**

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN TH PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE U.S. DEPARTMENT OF TRANSPORTATION/ OR LOADED TO THE SATISFACTION OF THE CAPTAIN.

LOAD DATE AND TIME: RETURN LOAD DATE: JOB SUPERVISOR: RETURN LOAD OPERATOR (SIGNATURE)

CERTIFIED BY (SIGNATURE)



# SHIPPING PAPERS

24155



SEMI: ANM OPERATOR/DRIVER NAME: DATE SHIPPED: 9/10/2017 10:12 TREATMENT NO.:

TRUCK NO./MOTOR VESSEL NAME: 5002 TRAILER NO.: 6002 CUSTOMER: WPX JOB LOCATION (PLANT OR FIELD): WELL NAME OR JOB NAME: RDX FED COM 17.44 H

SPECIAL INSTRUCTIONS: PLACARDS REQUIRED: TRUCK TRAILER PORTABLE TANK(S)

HM	DOT SHIPPING DESCRIPTION (SHIPPING NAME, HAZARD CLASS, UN #, PACKAGE GROUP)	CHEMICAL NAME	WT./VOL.	TYPE PACKAGE	NO OF PACKAGES	CODE	QUANTITY RETURNED
	166 SKS PVL + FPZ + ADDS	PVL	6240	TANK	1	PF-049	✓
	LEAD	Bentonite Gel	1250	TANK	1	PF-020	✓
		FPZ	1000	TANK	1	PF-060	✓
		Kal-Seal	500	TANK	1	PF-042	✓
		Retarder	125	TANK	1	PF-013	✓
		FLUID LOSS CONTROL	88	TANK	1	PF-606	✓
		Antifoam	67	TANK	1	PF-045	✓
		Cellophane	21	TANK	1	PF-029	✓
		PVL	6260	TANK	1	PF-049	✓
						4509/1	
UNIT	DESCRIPTION	WEIGHT	UNIT	DESCRIPTION	WEIGHT		
	<b>Total Weight:</b>				<b>15551.00</b>		<b>LBS</b>

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN THE PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE U.S. DEPARTMENT OF TRANSPORTATION OR LOADED TO THE SATISFACTION OF THE CAPTAIN.

LOAD DATE AND TIME: RETURN LOAD DATE: RETURN LOAD OPERATOR (SIGNATURE):

CERTIFIED BY SIGNATURE: *[Signature]*

RETURN LOAD OPERATOR (SIGNATURE):





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

1:17  
 ID  
**ART17-7609-01P**

Customer: **WPX Energy**  
 Well Name: **RDX Federal Com 17 #44H**  
 County: **Eddy** State: **NM**  
 Rig: **Orion Phoenix 10**  
 Salesman: **Chris DeLeon**

MD: **11269**  
 TVD: **10920**  
 BHST: **167**  
 BHCT: **131**

Report Date: **September 06 2017**  
 Stage: **Lead**  
 String: **2nd Intermediate**  
 Blend Type: **Pilot Blend**  
 Reported By: **Rodriguez, Sonny**

Density: 11.20 ppg Yield: 2.68 cuft/sk Mix Fluid: 15.747 gal/sk

Cement Blend: PVL

Additive	Conc	Design	Description	Lot Number
PF-020	10.00% % ✓	BWOB	Bentonite Gel	Bulk
PF-060	8.00% % ✓	BWOB	FPZ Strength Enhancer	
PF-013	1.00% % ✓	BWOB	Retarder	MM02C-2752BK
PF-606	0.70% % ✓	BWOB	Fluid Loss	GS20121C01-26
PF-042	3.000 lb/sk ✓	BWOB	KOLSEAL	Bulk
PF-045	0.400 lb/sk ✓	BWOB	Defoamer	201304AC
PF-029	0.125 lb/sk ✓	BWOB	Cellophane	

Temp	3	6	100	200	300	PV	YP
80 °F	6.5	7.5	13.5	18	23	14.25	8.75
131 °F	7	8	20.5	28.5	35	21.75	13.25

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
131 °F	5:40	5:59	6:23	6:33		0

Thickening Time does not include batch time.

Temp	Incl.	ml Collected	Start Time	Stop Time
131 °F	0	0 ml/250	5:31	7:31

Temp	PSI	ml Collected	Minutes	API (Calc)
131 °F	1000	85 ml	At 30	170

Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
167	19:15	24:24	19	472		

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 these data and interpretations.



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

1:18  
 ART17-7609-02P

Customer: WPX Energy	MD: 11269	Report Date: September 06 2017
Well Name: RDX Federal Com 17 #44H	TVD: 10920	Stage: Tail
County: Eddy State: NM	BHST: 167	String: 2nd Intermediate
Rig: Orion Phoenix 10	BHCT: 131	Blend Type: Pilot Blend
Salesman: Chris DeLeon		Reported By: Rodriguez, Sonny

**Usage Information**

Density: 15.60 ppg Yield: 1.18 cuft/sk Mix Fluid: 5.214 gal/sk

**Usage Information**

Cement Blend: Class H

Additive	Conc	Design	Description	Lot Number
PF-013	0.30% % ✓	BWOB	Retarder	MM02C-2752BK

**Temperature vs. Viscosity (ppg)**

Temp	3	6	100	200	300	PV	YP
80 °F	2	3	8	15	22	21	1
131 °F	21	37.5	114.5	123	130	23.25	106.75

**Plastic Time**

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
131 °F	2:45	2:52	3:10	3:17		0

Thickening Time does not include batch time.

**Setting Time**

Temp	Incl.	ml Collected	Start Time	Stop Time
131 °F	0	0 ml/250	5:25	6:25

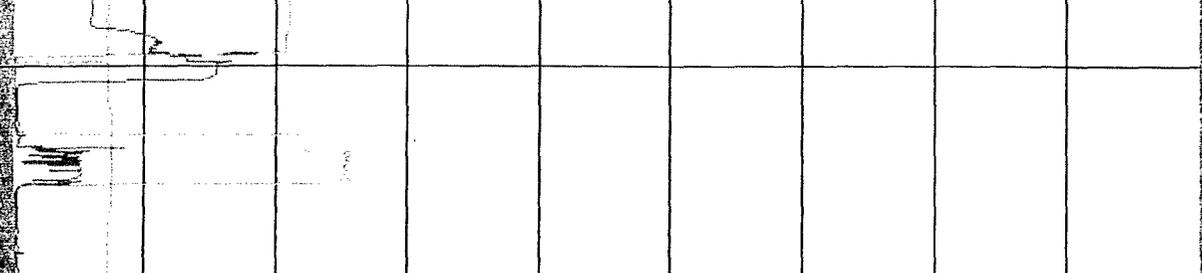
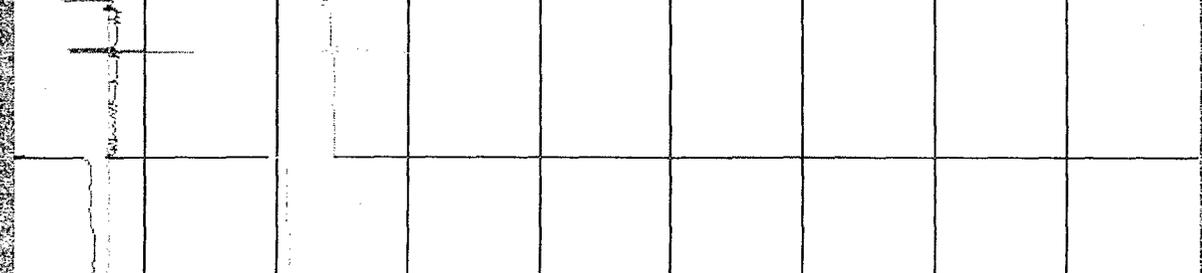
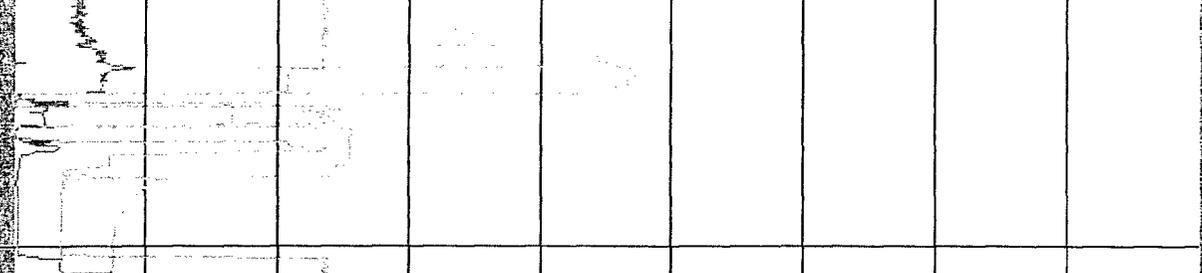
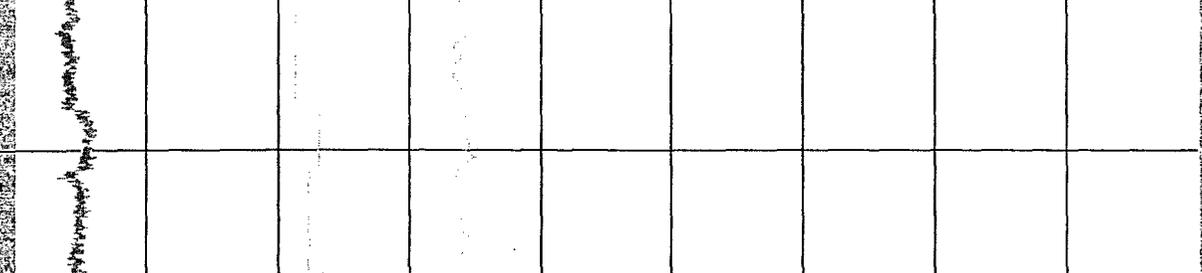
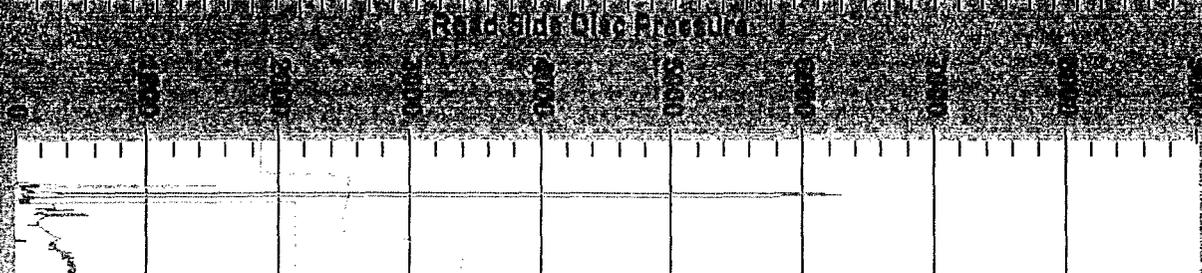
**28 Day Compressive Strength**

Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
167	6:39	8:48	1439	2862		

**Remarks**

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 these data and interpretations.

11/11/2008 10:00 AM



11/11/2008 10:00 AM