

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
ArtesiaFORM 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.*5. Lease Serial No.
NMNM20965

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM1291678. Well Name and No.
RDX FEDERAL COM 17 41H9. API Well No.
30-015-42743-00-X110. Field and Pool or Exploratory Area
UNDESIGNATED

11. County or Parish, State

EDDY COUNTY, NM

Purple Sage Wolfcamp
98220
etf 2-1-17**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

RKI EXPLORATION & PROD LLC

Contact: CRYSTAL FULTON

E-Mail: crystal.fulton@wpenergy.com

3a. Address

3500 ONE WILLIAMS CENTER MD 35
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 SWSE 0200FSL 1400FEL
32.020887 N Lat, 103.535797 W Lon**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☒
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Hydraulic Fracturing | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | Drilling Operations |
| ☐ Convert to Injection | ☐ Plug Back | ☐ 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 recompleat 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.

RKI EXPLORATION AND PRODUCTION, LLC HAS CONCLUDED THE DILLING OPERATIONS FOR THIS WELL. A SUMMARY OF THE DRILLING OPERATION IS AS FOLLOWS:

12/9/2016

Surface: 13-3/8" 54.5# J-55 STC: 0? ? 1,049? (Lead: 680 sks @ 13.5 ppg & Tail: 200 sks @ 14.8 ppg, bump plug @ 950 psi, floats held, circ 120 bbls cement to surface).

12/14/2016

Intermediate: 9-5/8" 40# J-55 LTC: 0? ? 3,491? (CMT: Lead: 770 sks @ 12.9 ppg, Tail: 200 sks @ 14.8 ppg, bumped plug @ 1148 psi, floats held, circulated 110 bbls)

12/26/2016

NAT OIL CONSERVATION
ARTESIA DISTRICT

MAR 09 2017

RECEIVED

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

Electronic Submission #363526 verified by the BLM Well Information System
For RKI EXPLORATION & PROD LLC, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 01/31/2017 (17PP0116SE)

Name (Printed/Typed) CRYSTAL FULTON

Title PERMITTING TECH I

Signature (Electronic Submission)

Date 01/11/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE**ACCEPTED FOR RECORD**

Approved By

DAVID H. GLASS

Title

Date

Conditions of approval, if any, 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 representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

n.P.

Additional data for EC transaction #363526 that would not fit on the form

32. Additional remarks, continued

2nd Intermediate: 7? 29# P110-HC BTC: 0? ? 11,421? (Lead CMT: 415 sks @ 11.0 ppg, Tail: 305 sks @ 15.6 ppg. Bumped Plug @ 1192 psi, floats held, no cement back to surface)

1/5/2017

4-1/2? 13.5# P-110 CDC-HTQ: 10,156? ? 15,746? (CMT: Approximately 400 sks @ 14.5 ppg.)

The binded Post Job Report is attached.

PAR FIVE
ENERGY SERVICES LLC

DESIGN - EXECUTE - EVALUATE - REPORT

SURFACE

WPX ENERGY

RDX FEDERAL COM 17 # 41H

EDDY COUNTY, NEW MEXICO

PRIMARY PUMP:

2014

SECONDARY PUMP:

PREPARED BY: DIEGO ORTEGA

SERVICE SUPERVISOR

ARTESIA DISTRICT

1-575-748-8610

12/9/2016

WELL SUMMARY

PAR FIVE ENERGY SERVICES LLC

COMPANY NAME:	WPX ENERGY	DATE:	12/9/2016
LEASE NAME:	RDX FED COM 17	OPERATOR NAME:	WPX ENERGY
WELL NUMBER:	41H	TICKET NUMBER:	5896
API NUMBER:	30-015-42743	AFE NUMBER:	WT45429
SECTION:	TOWNSHIP:	RANGE:	
COUNTY: EDDY	STATE: NEW MEXICO		
RIG NAME: H&P 509	COMPANY REP: JOE YOUNG	PHONE#:	

DIRECTIONS

HWY 285 SOUTH of Malaga NM towards the state line. Turn right on CR. 725. Travel 11.3 take "Y" to the left. Travel 1.8 miles and turn right. Travel 0.1 miles to location.

NOTES

UPDATED BY SHANE WHITE 12/9/16

PPE

MAKE SURE ALL EMPLOYEES HAVE PROPER PPE

JOB PROCEDURE

PUMP 20 BBLS GEL AHEAD, 10 BBLS FRESH WATER
PUMP 680 SACKS LEAD SLURRY @ 13.5
PUMP 200 SACKS TAIL SLURRY @ 14.8
SHUT DOWN DROP PLUG
DISPLACE WELL

WELL SUMMARY



JOB TYPE: SURFACE				HOLE SIZE: 17.5			
TVD: 1062				PREVIOUS CASING SIZE: 20			
PREVIOUS CASING LB/FT: N/A				PREVIOUS CASING DEPTH: 80			
CASING SIZE: 13.375							
CASING LB/FT: 54.5				CASING GRADE: J55			
FLOAT COLLAR DEPTH: 1003.5				SHOE JOINT LENGTH: 45.95			
DV TOOL DEPTH:				SECOND DV TOOL DEPTH:			
TOTAL DEPTH: 1062				TOTAL CASING : 1049			
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:		13.375		QUICK CONNECT SIZE:		13.375	
DRILL PIN SIZE/TYPE:				THREAD:		8 ROUND	
TUBING SWEDGE SIZE:				TAKE 2 -2 INCH REGULAR TUBING SWEDGES			
CHEMICALS NEEDED							
TAKE 200# SUGAR							
EQUIPMENT							
SUPERVISOR:		Diego Ortega		FIELD REPRESENTATIVE:			
PUMP OPERATOR:		Alfred Perches		UNIT NUMBER:		1009-2002	
E/O:		Jose Reyes		UNIT NUMBER:		1007-2022	
E/O:		Phillip Aguilar		UNIT NUMBER:		EXTRA HAND	
E/O:				UNIT NUMBER:		FB- 2033	
E/O:				UNIT NUMBER:			
FLUIDS							
1ST SLURRY:		C + 4% PF20 Bentonite + 2% PF1 Calcium + .4 pps PF45 Defoamer					
DENSITY:	13.5	YIELD:	1.73	MIX H2O:	8.636	SACKS:	680
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 :		FRESH WATER/ BRINE		DISPLACEMENT VOLUME:		155	MUD WEIGHT: N/A

PAR **FIVE**

[illegible]

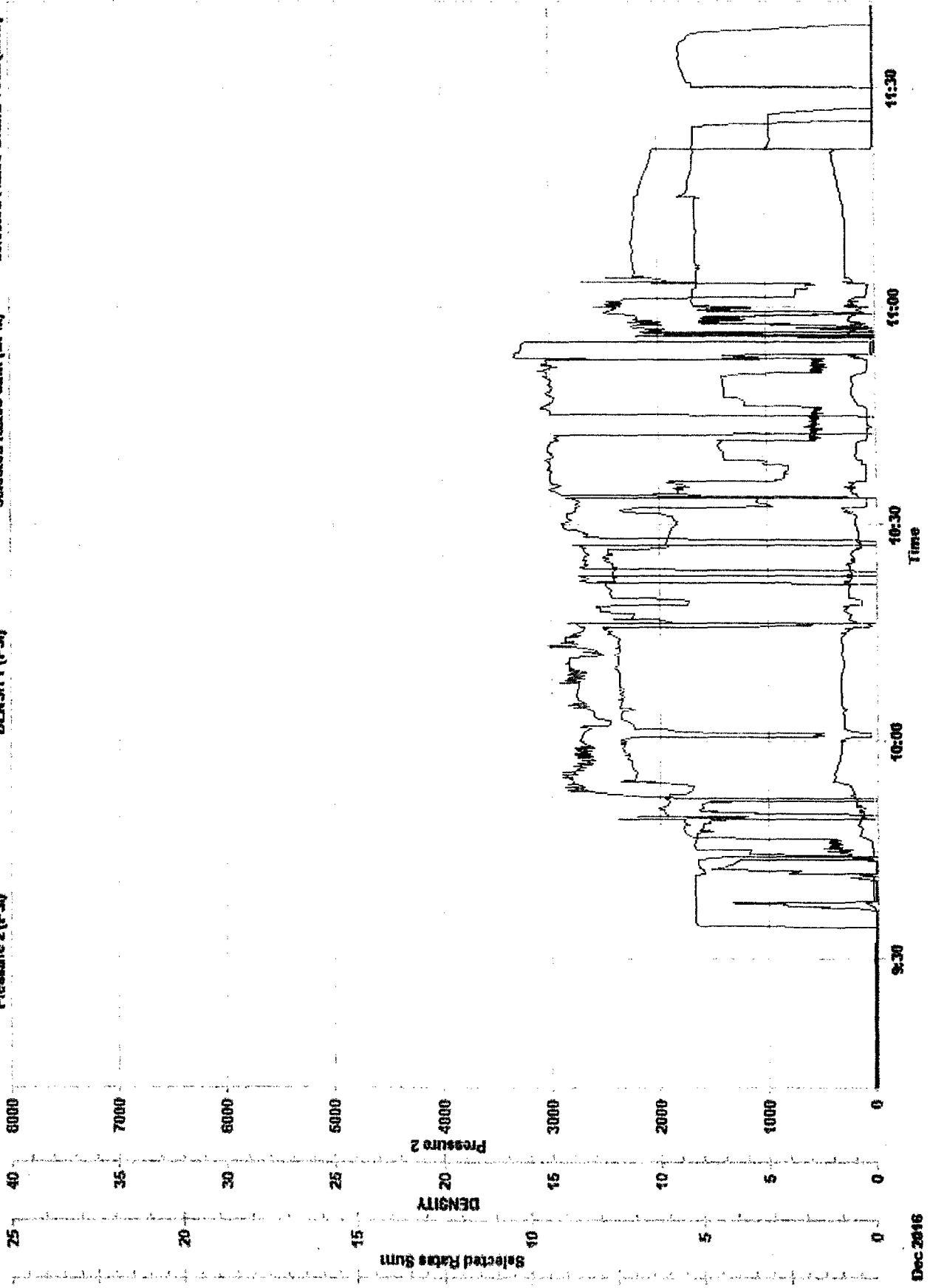
WPX_RDX_17_FED_COM_41H_13-375_SURF_PUMP_2002

Selected Rates Grand Total (BBL)

Selected Rates Sum (BPM)

DENSITY (PSI)

Pressure 2 (PSI)





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

12/05/2016 0830
ART16-6681-01F

Customer: WPX Energy
Well Name: RDX Federal Com 17 #41H
County: Eddy State: Nm
Rig: H&P 509
Salesman: Chris DeLeon

MD: 1035
TVD: 1035
BHST: 88
BHCT: 81

Report Date: December 05 2016
Stage: Lead
String: Surface
Blend Type: Field Blend
Reported By: Elliot, Isaac

Density: 13.50 ppg

Yield: 1.74 cuft/sk

Mix Fluid: 9.132 gal/sk

Cement Blend: Class C

Additive	Conc	%	Design	Description	Lot Number
PF-020	4.00%	%	BWOB	Bentonite Gel	Bulk
PF-001	2.00%	%	BWOB	Calcium Chloride	364AD1732
PF-045	0.400	lb/sk	BWOB	Defoamer	201304AC

Temp	3	6	100	200	300	PV	YP
81 °F	21	33.5	69.5	75	80	15.75	64.25

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
81 °F	2:20	3:34	4:09	4:30		0

Thickening Time does not include batch time.

Temp	Incl.	ml Collected	Start Time	Stop Time
81 °F	0	0 ml/250	2:29	2:49

Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
88	3:56	10:43	575	979		



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

DEC 06 2016

ART16-6681-02F

0830

Customer: WPX Energy
Well Name: RDX Federal Com 17 #41H
County: Eddy State: Nm
Rig: H&P 509
Salesman: Chris DeLeon

MD: 1035
TVD: 1035
BHST: 88
BHCT: 81

Report Date: December 05 2016
Stage: Tail
String: Surface
Blend Type: Field Blend
Reported By: Elliot, Isaac

Fluid Information

Density: 14.80 ppg

Yield: 1.34 cuft/sk

Mix Fluid: 6.300 gal/sk

Fluid Components

Cement Blend: Class C

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

Brookfield Rheology (81 °F)

Temp	3	6	100	200	300	PV	YP
81 °F	22	32	60	71	80	30	50

Brookfield Rheology

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
81 °F	1:00	1:46	2:23	2:54		0

Thickening Time does not include batch time.

Flow Chart

Temp	Incl.	ml Collected	Start Time	Stop Time
81 °F	0	0 ml/250	3:01	3:21

API Gel Strength (81 °F)

Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
88	2:34	6:20	1130	1990		

Comments

The above data is for informational purposes only, and Par Five Energy Services, LLC makes no guarantee or warranty, either expressed or implied, with respect to the accuracy or use of these data and interpretations.

1 General

1.1 Customer Information

Company	Permian
Representative	
Address	

1.2 Well/Wellbore Information

Well	RDX FEDERAL COM 17-41H	Wellbore No.	00
Well Name	RDX FEDERAL COM 17-41H	Wellbore Name	RDX FEDERAL COM 17-41H
Report no.	2	Report date	12/8/2016
Project	NM	Site	RDX FEDERAL COM 17-41H
Rig Name/No.	H&P 509/	Event	DRILLING
Start Date		End date	
Spud date		UWI	RDX FEDERAL COM 17-41H
Active datum	RKB @3,140.0ft (above Mean Sea Level)		

1.3 Run Tally Header

Date set		Total length run	1,053.61 (ft)	Tally type	RUN
Proposed set MD	1,049.31 (ft)	Buoyancy factor		Block weight	(kip)

2 Tally

2.1 Pipe Sections

Run No.	Desc.	Size (in)	Manufacturer	Weight (ppf)	Top connector	Grade	Range	Thrust Corr Factor (ft)	Displacement (bbl/ft)
27-27;	PUP JOINT	13.375		54.50	ST&C				
1-1;	CASING FLOAT SHOE	13.375		54.50	ST&C				
28-28;	LANDING JOINT	13.375		54.50	ST&C				
3-3;	CASING FLOAT COLLAR	13.375		54.50	ST&C				
2-2; 4-26;	CASING JOINT(S)	13.375		54.50	ST&C				

2.2 Run Tally

Run No.	Tally no.	Unused Joints	Length (ft)	Cum. Length (ft)	Set Depth (ft)	CT	Pipe Displacement (bbl/ft)	Desc.	Comments
1			2.00	2.00	1,049.31			CASING FLOAT SHOE	
2	1		41.95	43.95	1,047.31	Y		CASING JOINT(S)	1
3			2.00	45.95	1,005.36			CASING FLOAT COLLAR	
4	2		41.95	87.90	1,003.30	Y		CASING JOINT(S)	2
5	3		41.97	129.87	961.41	Y		CASING JOINT(S)	3
6	4		41.98	171.85	919.44			CASING JOINT(S)	
7	5		41.94	213.79	877.46	Y		CASING JOINT(S)	4
8	6		41.95	255.74	835.52			CASING JOINT(S)	
9	7		41.96	297.70	793.57	Y		CASING JOINT(S)	5
10	8		41.99	339.69	751.61			CASING JOINT(S)	
11	9		41.96	381.65	709.62	Y		CASING JOINT(S)	6
12	10		41.97	423.62	667.66			CASING JOINT(S)	
13	11		41.98	465.60	625.69	Y		CASING JOINT(S)	7
14	12		41.96	507.56	583.74			CASING JOINT(S)	
15	13		41.96	549.52	541.75	Y		CASING JOINT(S)	8
16	14		41.97	591.49	499.79			CASING JOINT(S)	

2.2 Run Tally (Continued)

Run No.	Tally no.	Unused Joints	Length (ft)	Cum. Length (ft)	Set Depth (ft)	CT	Pipe Displacement (bbl/ft)	Desc.	Comments
17	15		41.96	633.45	457.82	Y		CASING JOINT(S)	9
18	16		41.96	675.41	415.86			CASING JOINT(S)	
19	17		41.96	717.37	373.90	Y		CASING JOINT(S)	10
20	18		41.95	759.32	331.94			CASING JOINT(S)	
21	19		41.96	801.28	289.99	Y		CASING JOINT(S)	11
22	20		41.97	843.25	248.03			CASING JOINT(S)	
23	21		41.96	885.21	206.06	Y		CASING JOINT(S)	12
24	22		41.97	927.18	164.10			CASING JOINT(S)	
25	23		41.97	969.15	122.13	Y		CASING JOINT(S)	Basket
26	24		41.96	1,011.11	80.16			CASING JOINT(S)	
		25	41.97		38.20			CASING JOINT(S)	
		26	41.97		38.20			CASING JOINT(S)	
		27	41.96		38.20			CASING JOINT(S)	
		28	41.97		38.20			CASING JOINT(S)	
		29	41.96		38.20			CASING JOINT(S)	
		30	41.98		38.20			CASING JOINT(S)	
		31	41.96		38.20			CASING JOINT(S)	
27			3.50	1,014.61	38.20			PUP JOINT	pup
28			39.00	1,053.61	34.70			LANDING JOINT	landing joint

PAR FIVE
ENERGY SERVICES LLC

DESIGN - EXECUTE - EVALUATE - REPORT

INTERMEDIATE

**WPX ENERGY
RDX FEDERAL COM 17 #41H
EDDY ,NM**

PREPARED BY:SHANE WHITE

**SERVICE SUPERVISOR
ARTESIA DISTRICT
1-575-748-8610**

12/14/2016

WELL SUMMARY



COMPANY NAME:	WPX ENERGY	DATE:	12/14/2016
LEASE NAME:	RDX FED COM 17	OPERATOR NAME:	WPX ENERGY
WELL NUMBER:	41H	TICKET NUMBER:	
API NUMBER:	30-015-42743	AFE NUMBER:	
SECTION:		TOWNSHIP:	RANGE:
COUNTY:	EDDY	STATE:	NEW MEXICO
RIG NAME:	H&P 509	COMPANY REP:	MARVIN
		PHONE#:	

DIRECTIONS

HWY 285 SOUTH OF MALAGA NM TOWARDS STATE LINE . TURN RIGHT ON CR 725 TRAVEL 11.3 MILES TAKE Y TO THE LEFT . TRAVEL 1.8 MILES ANDD TURN RIGHT . TRAVEL .1 MILES TO LOCATION

NOTES

UPDATED BY SHANE WHITE 12/14/16

MAKE SURE ALL EMPLOYEES HAVE PROPER PPE

PROCEDURE

PUMP 20 BBLS GEL AHEAD
PUMP 770 SACKS LEAD SLURRY @ 12.9 PPG
PUMP 200 SACKS TAIL SLURRY @ 14.8 PPG
SHUT DOWN DROP PLUG
DISPLACE WELL

WELL SUMMARY



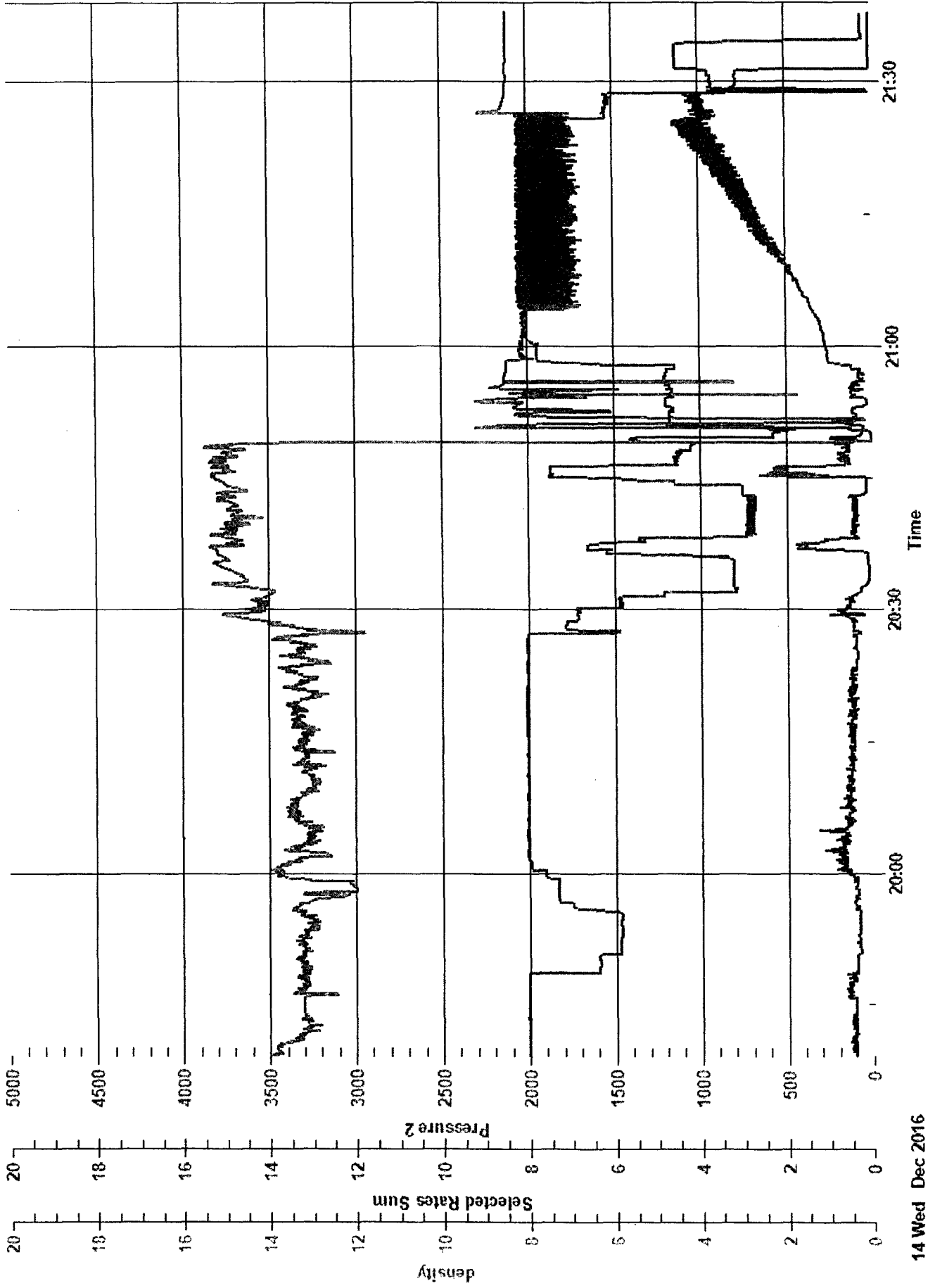
JOB TYPE: INTERMEDIATE		HOLE SIZE: 12.25	
TOTAL DEPTH: 3507		PREVIOUS CASING SIZE: 13.375	
PREVIOUS CASING LB/FT: 54.5		PREVIOUS CASING DEPTH: 1035	
CASING SIZE: 9.625			
CASING LB/FT: 40		CASING GRADE: J55	
FLOAT COLLAR DEPTH 3451.61		SHOE JOINT LENGTH: 44.99	
DV TOOL DEPTH: N/A		SECOND DV TOOL DEPTH: N/A	
TOTAL DEPTH: 3507		TOTAL CASING : 3496.6	
TBG/D.P. SIZE:		TBG/D.P. DEPTH:	
TBG/D.P. LB/FT:		TOOL DEPTH:	
PACKER OR RETAINER:		PERF/HOLE DEPTH:	
CEMENT HEAD SIZE: 9.625		QUICK CONNECT SIZE: 9.625	
DRILL PIN SIZE/TYPE:		THREAD: 8 ROUND	
TUBING SWEDGE SIZE 2		TAKE 2 -2 INCH REGULAR TUBING SWEDGES	
TAKE 300# SUGAR			
SUPERVISOR: Shane White		FIELD REPRESENTATIVE:	
PUMP OPERATOR: Alfred Perches		UNIT NUMBER: 2019	
E/O: David Ramos		UNIT NUMBER: 2020	
E/O: Phillip Aguilar		UNIT NUMBER: xtra	
E/O:		UNIT NUMBER:	
E/O:		UNIT NUMBER:	
1ST SLURRY: Sks 35/65 Poz/C + 5% (BWOW) PF44 Salt + 6% PF20 Bentonite + .5% PF79 Chemical Extender + 3 pps PF42 Kol-Seal + .4 pps PF45 Defoamer + .125 pps PF29 Cellophane			
DENSITY: 12.9	YIELD: 1.92	MIX H2O: 9.956	SACKS: 770
2ND SLURRY: C NEAT			
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:	

PAR FIVE

COMPANY NAME: WPX ENERGY		DATE: 12/14/2016	
LEASE NAME: RDX FED COM 17		TICKET NUMBER: 0	
WELL NUMBER: 41H		JOB TYPE: INTERMEDIATE	
SCHEDULED LOCATION TIME			
TIME ARRIVED ON LOCATION		TIME LEFT LOCATION	

[illegible]

WPX





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

ART16-6682-01F

Customer: WPX Energy
Well Name: RDX Federal Com 17 #41H
County: Eddy State: NM
Rig: H&P 509
Salesman: Chris DeLeon

MD: 3488
TVD: 3488
BHST: 108
BHCT: 91

Report Date: December 07 2016
Stage: Lead
String: Intermediate
Blend Type: Field Blend
Reported By: Rodriguez, Sonny

Slurry Information

Density: 12.90 ppg

Yield: 1.92 cuft/sk

Mix Fluid: 9.955 gal/sk

Slurry Composition

Cement Blend: 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	BWOB	KOLSEAL	Bulk
PF-045	0.400 lb/sk	BWOB	Defoamer	201304AC
PF-029	0.125 lb/sk	BWOB	Cellophane	

Thinning Time (ASTM C 193)

Temp	3	6	100	200	300	PV	YP
80 °F	30.5	43.5	74.5	77.5	81	9.75	71.25
91 °F	31.5	44.5	142.5	150.5	157	21.75	135.25

Thickening Time

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
91 °F	1:40	2:59	3:38	4:02		0

Thickening Time does not include batch time.

Water Demand

Temp	Incl.	ml Collected	Start Time	Stop Time
91 °F	0	0 ml/250	12:45	2:45

API Slurry Consistency (ASTM C 193)

Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
108	4:14	9:40	628	928		

Comments

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

ART16-6682-02F

Customer: WPX Energy
Well Name: RDX Federal Com 17 #41H
County: Eddy State: NM
Rig: H&P 509
Salesman: Chris DeLeon

MD: 3488
TVD: 3488
BHST: 108
BHCT: 91

Report Date: December 07 2016
Stage: Tail
String: Intermediate
Blend Type: Field Blend
Reported By: Rodriguez, Sonny

Density: 14.80 ppg

Yield: 1.32 cuft/sk

Mix Fluid: 6.304 gal/sk

Cement Blend: Class C

Additive
No Adds

Conc

Design
BWOB

Description

Lot Number

Temperature vs. Viscosity

Temp	3	6	100	200	300	PV	YP
80 °F	12.5	17.5	32.5	41.5	49	24.75	24.25
91 °F	11.5	17.5	48.5	60.5	75	39.75	35.25

Temperature vs. Thickening Time

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
91 °F	1:49	2:25	2:54	3:27		0

Thickening Time does not include batch time.

Temperature vs. Gel Time

Temp	Incl.	ml Collected	Start Time	Stop Time
91 °F	0	0 ml/250	12:48	1:08

Temperature vs. Compressive Strength

Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
108	3:19	6:43	1237	1881		

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The above data is for informational purposes only. Par Five Energy Services, LLC, makes no guarantees of accuracy or completeness of data. It is the user's responsibility to verify the accuracy of use of these data and interpretations.

1 General

1.1 Customer Information

Company	Permian
Representative	
Address	

1.2 Well/Wellbore Information

Well	RDX FEDERAL COM 17-41H	Wellbore No.	00
Well Name	RDX FEDERAL COM 17-41H	Wellbore Name	RDX FEDERAL COM 17-41H
Report no.	4	Report date	12/14/2016
Project	NM	Site	RDX FEDERAL COM 17-41H
Rig Name/No.	H&P 509/	Event	DRILLING
Start Date	12/3/2016	End date	
Spud date		UWI	RDX FEDERAL COM 17-41H
Active datum	RKB @3,140.0ft (above Mean Sea Level)		

1.3 Run Tally Header

Date set	12/10/2016 12:00AM	Total length run	3,496.60 (ft)	Tally type	RUN
Proposed set MD	3,491.70 (ft)	Buoyancy factor		Block weight	45.0 (kip)

2 Tally

2.1 Pipe Sections

Run No.	Desc.	Size (in)	Manufacturer	Weight (ppf)	Top connector	Grade	Range	Threat Corr Factor (ft)	Displacement (bbl/ft)
2-2; 4-85;	CASING JOINT(S)	9.625		40.00	LT&C				
3-3;	CASING FLOAT COLLAR	9.625		40.00	LT&C				
86-87;	CASING LANDING JOINT	9.625		40.00	LT&C				
1-1;	CASING FLOAT SHOE	9.625		40.00	LT&C				

2.2 Run Tally

Run No.	Tally no.	Unused Joints	Length (ft)	Cum. Length (ft)	Set Depth (ft)	CT	Pipe Displacement (bbl/ft)	Desc.	Comments
1			1.50	1.50	3,491.70			CASING FLOAT SHOE	
2	1		41.99	43.49	3,490.20	Y		CASING JOINT(S)	1
3			1.50	44.99	3,448.21			CASING FLOAT COLLAR	
4	2		41.97	86.96	3,446.71	Y		CASING JOINT(S)	2
5	3		41.98	128.94	3,404.74	Y		CASING JOINT(S)	3
6	4		42.00	170.94	3,362.76			CASING JOINT(S)	
7	5		41.97	212.91	3,320.76			CASING JOINT(S)	
8	6		41.99	254.90	3,278.79	Y		CASING JOINT(S)	4
9	7		41.99	296.89	3,236.80			CASING JOINT(S)	
10	8		41.99	338.88	3,194.81			CASING JOINT(S)	
11	9		42.00	380.88	3,152.82	Y		CASING JOINT(S)	5
12	10		42.00	422.88	3,110.82			CASING JOINT(S)	
13	11		41.97	464.85	3,068.82			CASING JOINT(S)	
14	12		41.62	506.47	3,026.85	Y		CASING JOINT(S)	6
15	13		41.97	548.44	2,985.23			CASING JOINT(S)	
16	14		41.98	590.42	2,943.26			CASING JOINT(S)	

2.2 Run Tally (Continued)

Run No.	Tally no.	Unused Joints	Length (ft)	Cum. Length (ft)	Set Depth (ft)	CT	Pipe Displacement (bbl/ft)	Desc.	Comments
17	15		42.00	632.42	2,901.28	Y		CASING JOINT(S)	7
18	16		41.97	674.39	2,859.28			CASING JOINT(S)	
19	17		42.00	716.39	2,817.31			CASING JOINT(S)	
20	18		41.99	758.38	2,775.31	Y		CASING JOINT(S)	8
21	19		41.98	800.36	2,733.32			CASING JOINT(S)	
22	20		41.98	842.34	2,691.34			CASING JOINT(S)	
23	21		42.00	884.34	2,649.36	Y		CASING JOINT(S)	9
24	22		42.00	926.34	2,607.36			CASING JOINT(S)	
25	23		41.98	968.32	2,565.36			CASING JOINT(S)	
26	24		41.98	1,010.30	2,523.38	Y		CASING JOINT(S)	10
27	25		41.98	1,052.28	2,481.40			CASING JOINT(S)	
28	26		42.00	1,094.28	2,439.42			CASING JOINT(S)	
29	27		41.99	1,136.27	2,397.42	Y		CASING JOINT(S)	11
30	28		41.98	1,178.25	2,355.43			CASING JOINT(S)	
31	29		42.00	1,220.25	2,313.45			CASING JOINT(S)	
32	30		41.97	1,262.22	2,271.45	Y		CASING JOINT(S)	12
33	31		41.99	1,304.21	2,229.48			CASING JOINT(S)	
34	32		41.99	1,346.20	2,187.49			CASING JOINT(S)	
35	33		41.64	1,387.84	2,145.50	Y		CASING JOINT(S)	13
36	34		41.99	1,429.83	2,103.86			CASING JOINT(S)	
37	35		41.99	1,471.82	2,061.87			CASING JOINT(S)	
38	36		41.99	1,513.81	2,019.88	Y		CASING JOINT(S)	14
39	37		41.99	1,555.80	1,977.89			CASING JOINT(S)	
40	38		42.00	1,597.80	1,935.90			CASING JOINT(S)	
41	39		41.98	1,639.78	1,893.90	Y		CASING JOINT(S)	15
42	40		41.99	1,681.77	1,851.92			CASING JOINT(S)	
43	41		41.97	1,723.74	1,809.93			CASING JOINT(S)	
44	42		41.98	1,765.72	1,767.96	Y		CASING JOINT(S)	16
45	43		41.98	1,807.70	1,725.98			CASING JOINT(S)	
46	44		41.98	1,849.68	1,684.00			CASING JOINT(S)	
47	45		41.99	1,891.67	1,642.02	Y		CASING JOINT(S)	17
48	46		41.99	1,933.66	1,600.03			CASING JOINT(S)	
49	47		41.99	1,975.65	1,558.04			CASING JOINT(S)	
50	48		41.98	2,017.63	1,516.05	Y		CASING JOINT(S)	18
51	49		41.97	2,059.60	1,474.07			CASING JOINT(S)	
52	50		41.99	2,101.59	1,432.10			CASING JOINT(S)	
53	51		41.99	2,143.58	1,390.11	Y		CASING JOINT(S)	19
54	52		41.98	2,185.56	1,348.12			CASING JOINT(S)	
55	53		41.97	2,227.53	1,306.14			CASING JOINT(S)	
56	54		41.98	2,269.51	1,264.17	Y		CASING JOINT(S)	20
57	55		41.98	2,311.49	1,222.19			CASING JOINT(S)	
58	56		41.98	2,353.47	1,180.21			CASING JOINT(S)	
59	57		41.97	2,395.44	1,138.23	Y		CASING JOINT(S)	21
60	58		41.97	2,437.41	1,096.26			CASING JOINT(S)	
61	59		41.97	2,479.38	1,054.29			CASING JOINT(S)	
62	60		41.97	2,521.35	1,012.32	Y		CASING JOINT(S)	22
63	61		41.97	2,563.32	970.35			CASING JOINT(S)	
64	62		41.98	2,605.30	928.38			CASING JOINT(S)	
65	63		42.00	2,647.30	886.40	Y		CASING JOINT(S)	23
66	64		41.96	2,689.26	844.40			CASING JOINT(S)	
67	65		42.00	2,731.26	802.44			CASING JOINT(S)	

2.2 Run Tally (Continued)

Run No.	Tally no.	Unused Joints	Length (ft)	Cum. Length (ft)	Set Depth (ft)	CT	Pipe Displacement (bb/ft)	Desc.	Comments
68	66		41.97	2,773.23	760.44	Y		CASING JOINT(S)	24
69	67		42.00	2,815.23	718.47			CASING JOINT(S)	
70	68		41.97	2,857.20	676.47			CASING JOINT(S)	
71	69		42.00	2,899.20	634.50	Y		CASING JOINT(S)	25
72	70		41.99	2,941.19	592.50			CASING JOINT(S)	
73	71		41.99	2,983.18	550.51			CASING JOINT(S)	
74	72		41.97	3,025.15	508.52	Y		CASING JOINT(S)	26
75	73		42.00	3,067.15	466.55			CASING JOINT(S)	
76	74		41.67	3,108.82	424.55			CASING JOINT(S)	
77	75		41.98	3,150.80	382.88	Y		CASING JOINT(S)	27
78	76		42.01	3,192.81	340.90			CASING JOINT(S)	
79	77		41.99	3,234.80	298.89			CASING JOINT(S)	
80	78		42.01	3,276.81	256.90	Y		CASING JOINT(S)	28
81	79		41.99	3,318.80	214.89			CASING JOINT(S)	
82	80		41.99	3,360.79	172.90			CASING JOINT(S)	
83	81		41.97	3,402.76	130.91	Y		CASING JOINT(S)	29
84	82		41.99	3,444.75	88.94			CASING JOINT(S)	
		83	41.97		46.95			CASING JOINT(S)	
		84	41.99		46.95	Y		CASING JOINT(S)	30
		85	41.97		46.95			CASING JOINT(S)	
		86	41.96		46.95			CASING JOINT(S)	
		87	41.98		46.95			CASING JOINT(S)	
		88	41.98		46.95			CASING JOINT(S)	
		89	9.66		46.95			CASING JOINT(S)	
85	90		9.65	3,454.40	46.95			CASING JOINT(S)	
86			5.00	3,459.40	37.30			CASING LANDING JOINT	
87			37.20	3,496.60	32.30			CASING LANDING JOINT	

PAR FIVE
ENERGY SERVICES LLC

DESIGN - EXECUTE - EVALUATE - REPORT

INTERMEDIATE

WPX ENERGY

RDX FEDERAL COM 17 #41H

Eddy County, New Mexico

PRIMARY PUMP:

Unit # 2036

SECONDARY PUMP:

PREPARED BY: Ruben Sanchez Jr

SERVICE SUPERVISOR

ARTESIA DISTRICT

1-575-748-8610

12/26/2016

WELL SUMMARY



ENERGY SERVICES LLC

COMPANY NAME: WPX ENERGY		DATE: 12/26/2016	
LEASE NAME: RDX FEDERAL COM 17		OPERATOR NAME: WPX ENERGY	
WELL NUMBER: 41H		TICKET NUMBER: 5946	
API NUMBER: 30-015-42743		AFE NUMBER:	
SECTION:	TOWNSHIP:	RANGE:	
COUNTY: EDDY	STATE: NEW MEXICO		
RIG NAME: H & P 509	COMPANY REP: Charlie Glass	PHONE#:	

DIRECTIONS

HWY 285 SOUTH of Malaga NM towards the state line. Turn right on CR. 725. Travel 11.3 take "Y" to the left. Travel 1.8 miles and turn right. Travel 0.1 miles to location.

NOTES

UPDATED BY SHANE WHITE 12/7/16

HSE

MAKE SURE ALL EMPLOYEES HAVE PROPER PPE

JOB PROCEDURE

PUMP 20 BBLS GEL SPACER
 PUMP 720 SACKS LEAD SLURRY @ 11.2 PPG
 PUMP 240 SACKS TAIL SLURRY @ 15.6 PPG
 SHUT DOWN DROP PLUG
 DISPLACE WELL

WELL SUMMARY



WELL CASING DATA

JOB TYPE: INTERMEDIATE	HOLE SIZE: 8.75
TVD: 10,993	PREVIOUS CASING SIZE: 9.625
PREVIOUS CASING LB/FT: 3,488	PREVIOUS CASING DEPTH: 40
CASING SIZE: 7	
CASING LB/FT: 29	CASING GRADE: HCP-110
FLOAT COLLAR DEPTH: 11,294.62	SHOE JOINT LENGTH: 86.38
DV TOOL DEPTH: n/a	SECOND DV TOOL DEPTH: n/a
TOTAL DEPTH: 11,435	TOTAL CASING : 11,381

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/8 ROUND
TUBING SWEDGE SIZE:	TAKE 2 -2 INCH REGULAR TUBING SWEDGES

CHEMICALS NEEDED

TAKE 110 # PF-424 GEL
TAKE 200# SUGAR

EQUIPMENT

SUPERVISOR: Ruben Sanchez	FIELD REPRESENTATIVE:
PUMP OPERATOR: Josh Castillas	UNIT NUMBER: 2036
E/O: Jesse Leos	UNIT NUMBER: 2003
E/O:	UNIT NUMBER: Field Bin # 2033
E/O:	UNIT NUMBER:
E/O:	UNIT NUMBER:

FLUID DATA

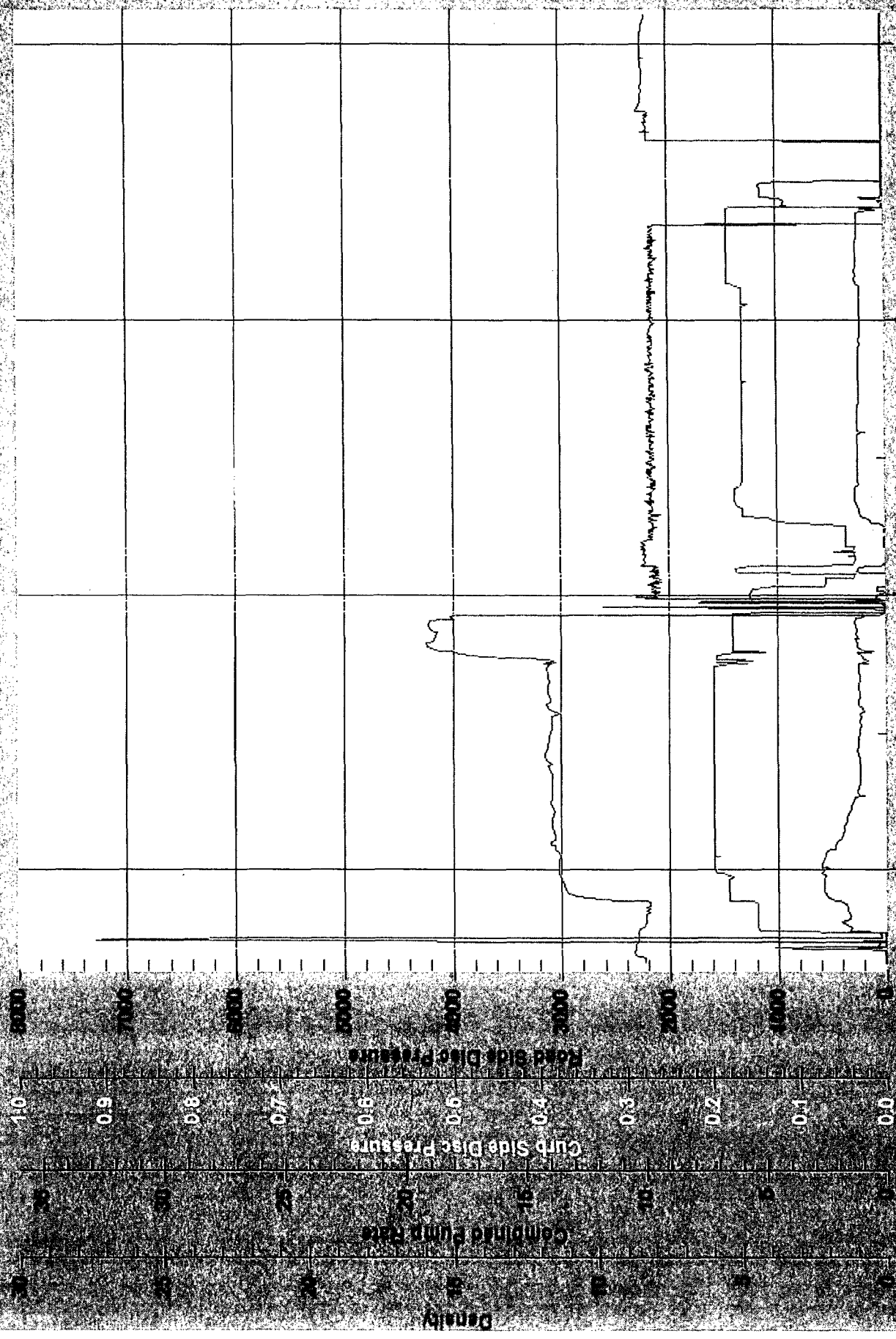
1ST SLURRY:	PVL + 10% PF20 Bentonite + 8% PF60 PlexCrete FPZ + 1% PF13 Retarder + .7% PF606 Fluidloss +.4 pps PF45 Defoamer				
DENSITY: 11.2	YIELD: 2.64	MIX H2O: 15.75	SACKS: 720		
2ND SLURRY:	H + .3% PF13 Retarder + .1% PF65 Dispersant + .4 pps PF45 Defoamer				
DENSITY: 15.6	YIELD: 1.18	MIX H2O: 5.225	SACKS: 240		
3RD SLURRY:					
DENSITY:	YIELD:	MIX H2O:	SACKS:		
4TH SLURRY:					
DENSITY:	YIELD:	MIX H2O:	SACKS:		
5TH SLURRY:					
DENSITY:	YIELD:	MIX H2O:	SACKS:		
DISPLACEMENT TYPE: Oil Base Mud	DISPLACEMENT VOLUME: 419	MUD WEIGHT: 12			

JOB LOG



COMPANY NAME: WPX ENERGY			DATE: 12/26/2016		
LEASE NAME: RDX FEDERAL COM 17			TICKET NUMBER: 5946		
WELL NUMBER: 41H			JOB TYPE: INTERMEDIATE		
SCHEDULED LOCATION TIME		12/26/2016 23:00			
TIME ARRIVED ON LOCATION		12/26/2016 23:00		TIME LEFT LOCATION 12/27/2016 16:30	
TIME	PRESSURE		VOLUME	RATE	LOG DETAILS
TIME	HEAD	LEASINE			
20:50	X	X	X	X	PRE-CONVOY MEETING
21:10	X	X	X	X	DEPARTURE FROM YARD
23:00	X	X	X	X	ARRIVE LOCATION
23:10	X	X	X	X	HAZZARD ASSESMENT
6:30	X	X	X	X	PRE-RIG UP MEETING
	X	X	X	X	The Pipe racks were in the way of rigging up
	X	X	X	X	waiting for rig to finish running casing 12-27-16
7:00	X	X	X	X	Casing Rigging Down
8:46	X	X	X	X	Stab Head
9:15	X	X	X	X	Prejob Safety Meeting
9:30	X	X	X	X	Prime up Pump
9:47	X	7000	2	4	2 Bbl Spacer to fill lines and Test Lines
9:51	X	340	20	6	Gel Spacer
9:55	X	350	10	6	Dye Spacer
9:58	X	330	338.9	6	Lead Slurry
10:50	X	294	50.4	5	Tail Slurry
11:00	X	0	0	0	Shut Down Drop Plug
11:03	X	315	409.5	6	Displacement
12:28	X	275	9.5	3	Slow Rate
12:30	X	1192	0.5	3	Bump Plug
	X	1192	0	0	Hold for 5 min
12:35	X	0	0	0	Check Floats
	X	X	X	X	Floats Held 1.5 Bbls Back, no Cement to Surface and good returns
12:57	X	X	X	X	Switch over to wash up
13:00	X	X	X	X	Post Job Safety Meeting
13:10	X	X	X	X	Rig down
14:20	X	X	X	X	Finished Rigging Down had to pick up oil base mud spill
	X	X	X	X	Jesse Leos Blew Down Field Bin 2033
15:45	X	X	X	X	Post Convoy Safety Meeting
16:30	X	X	X	X	Leaving Location
	X	X	X	X	Thank You Ruben Sanchez Jr and Crew for Using PAR-FIVE ENERGY

WPX-FED-CON-417-411A-DIN1-2086-105REC/AS/ILAS



27 Dec 2015



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

ME
1142
ART16-6683-01F

Customer: WPX Energy
Well Name: RDX Federal Com 17 #41H
County: Eddy State: NM
Rig: H&P 509
Salesman: Chris DeLeon

MD: 11295
TVD: 10986
BHST: 168
BHCT: 132

Report Date: December 13 2016
Stage: Lead
String: 2nd Intermediate
Blend Type: Field Blend
Reported By: Rodriguez, Sonny

Density: 11.20 ppg

Yield: 2.64 cuft/sk

Mix Fluid: 15.728 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	0.90%	%	BWOB	Retarder	MM02C-2752BK
PF-606	0.70%	%	BWOB	Fluid Loss	GS20121C01-26
PF-045	0.400	lb/sk	BWOB	Defoamer	201304AC

Temp	3	6	100	200	300	PV	YP
80 °F	1.5	1.5	5.5	9.5	12	9.75	2.25
132 °F	1.5	1.5	5.5	9.5	12	9.75	2.25

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
132 °F	6:37	8:11	8:31	8:50		0

Thickening Time does not include batch time.

Temp	Incl.	ml Collected	Start Time	Stop Time
132 °F	0	0 ml/250	4:48	6:48

Temp	PSI	ml Collected	Minutes	API (Calc)
132 °F	1000	44 ml At 30		88

Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
168	25:06	30:44	20	34		



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

ART16-6683-02F

Customer: WPX Energy
Well Name: RDX Federal Com 17 #41H
County: Eddy State: NM
Rig: H&P 509
Salesman: Chris DeLeon

MD: 11295
TVD: 10986
BHST: 168
BHCT: 132

Report Date: December 13 2016
Stage: Tail
String: 2nd Intermediate
Blend Type: Field Blend
Reported By: Rodriguez, Sonny

Density: 15.60 ppg

Yield: 1.18 cuft/sk

Mix Fluid: 5.214 gal/sk

Cement Blend: Class H

Additive Conc Design Description
PF-013 0.30% % BWOB Retarder

Lot Number
MM02C-2752BK

Temp	3	6	100	200	300	PV	YP
80 °F	1.5	1.5	8.5	16.5	25	24.75	0.25
132 °F	21.5	30.5	70.5	81.5	85	21.75	63.25

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
132 °F	3:30	3:31	3:35	3:42		0
Thickening Time does not include batch time.						

Temp	Incl.	ml Collected	Start Time	Stop Time
132 °F	0	0 ml/250	5:46	6:46

Temp	50 psi	500 psi	12 hr	24 hr	48 hr	72 hr
168	10:51	13:15	220	1725		

The above data is for informational purposes only and Par Five Energy Services, LLC makes no guarantee, warranty or representation as to the accuracy or reliability of the data and interpretation.

PAR FIVE
ENERGY SERVICES LLC

DESIGN - EXECUTE - EVALUATE - REPORT

LINER

WPX ENERGY

RDX FEDERAL COM 17 #41H

EDDY COUNTY, NEW MEXICO

PRIMARY PUMP:

1031/2040

SECONDARY PUMP:

PREPARED BY: IVAN GARCIA

SERVICE SUPERVISOR

ARTESIA DISTRICT

1-575-748-8610

1/5/2017

Date of Job: 01/05/2017		District: Artesia		New Well / Old Well: New Well	
Customer: WPX Energy				Well #: RDX Federal Com 17 #41H	
Address: PO Box 21358		County: Eddy		State: New Mexico	
City: Tulsa	State: Oklahoma	Field:		API#: 30-015-42743	
Zip Code: 74121-1358		On Road Miles:		Off Road Miles:	
Contact Person/Companyman: Mr. Dylan Goudie				Salesman: Chris DeLeon	
Contact Number: 1-970-319-8089				Service Supervisor: Anthony Granados	
Rig Contractor: H&P		Tractor:		Trailer:	
Rig Number: 509				Equipment Operators: Ivan Garcia Alonso Perches	
Head & Manifold: 4 1/2 Liner					
Job Type: Casing					

Description	Quantity	Net Amount
Field Support Work	1.00	1,500.00
Mileage Charge, all other equipment, per mile* (2 pumps)	200.00	485.10
Cars, pickups, monitoring vehicles round trip* (100 miles one way)	400.00	646.80
PF-999 - Sugar*	500.00	808.50
Liner/Squeeze - 12001' - 16000*	1.00	6,160.00
Centrifugal Pump Services, per job*	1.00	1,050.00
Delivery Charge - Ton mileage, per ton mile*	2,000.00	2,100.00
Service Charges - Land jobs*	558.00	927.68
PF174 Expanding Cement LT, per lb	1,400.00	2,294.67
PF49 TXI Lightweight (75lb/cu ft)	375.00	5,788.13
PF-044 Granulated Salt, per lb (70lb/cu ft)	391.00	76.16
PF31 Barite, per CWT (135lb/cu ft)	8,915.00	3,603.89
PF151 Calcium Carbonate, per lb (60lb/ft3)	8,400.00	2,376.95
PF813 High Temp Retarder, per lb	140.00	396.17
PF45 Defoamer Antifoam Agent, per lb	150.00	248.06
PF47 Liquid Antifoam Agent, per gal	5.00	151.59
PF153 Antisettling Agent, per lb	28.00	237.70
PF606 Fluid Loss Control, per lb	197.00	1,931.57
PF803 Plexaid	20.00	374.85
PF840 Plexaid 840	40.00	2,457.84
PF183 Spacer Mix	505.00	2,449.76
Job Total		36,065.39

Ticket Notes

Cement Recipe

40 Bbls 12.5# Mudpush

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:

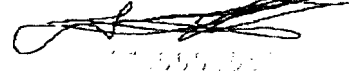
X

Well Owner, Operator, or Agent

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

Signature:

MARVIN MILLE



Emissions Regulation:

PO#:

WELL SUMMARY



COMPANY NAME: WPX ENERGY		DATE: 1/5/2017	
LEASE NAME: RDX FEDERAL COM 17		OPERATOR NAME: WPX ENERGY	
WELL NUMBER: 41H		TICKET NUMBER: 6055	
API NUMBER: 30-015-42743		AFE NUMBER:	
SECTION:	TOWNSHIP:	RANGE:	
COUNTY: EDDY	STATE: NEW MEXICO		
RIG NAME: H&P 509	COMPANY REP: DYLAN GOUDIE	PHONE#: 281-436-6362	

DIRECTIONS

HWY 285 SOUTH of Malaga NM towards the state line. Turn right on CR. 725. Travel 11.3 take "Y" to the left. Travel 1.8 miles and turn right. Travel 0.1 miles to location.

NOTES

UPDATED BY SHANE WHITE 12/7/16

HSE

MAKE SURE ALL EMPLOYEES HAVE PROPER PPE

JOB PROCEDURE

PUMP 40 BBL MUDPUSH
 PUMP 375 SACKS SLURRY@ 13.0 PPG
 SHUT DOWN DROP PLUG (WASH UP TO PIT)\
 DISPLACE WELL

WELL SUMMARY



ENERGY SERVICES LLC

WELL / CASING DATA

JOB TYPE: LINER	HOLE SIZE: 6.125
TVD: 11085	PREVIOUS CASING SIZE: 7
PREVIOUS CASING LB/FT: 29	PREVIOUS CASING DEPTH: 11435
CASING SIZE: 4.5	
CASING LB/FT: 13.5	CASING GRADE: P-110
FLOAT COLLAR DEPTH: 14655.95	SHOE JOINT LENGTH: 87.05
DV TOOL DEPTH:	SECOND DV TOOL DEPTH:
TOTAL DEPTH: 15796	TOTAL CASING : 5581.79

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:	QUICK CONNECT SIZE:
DRILL PIN SIZE/TYPE:	THREAD:
TUBING SWEDGE SIZE:	TAKE 2 -2 INCH REGULAR TUBING SWEDGES

CHEMICALS NEEDED

40 GAL PF 840 20 GAL PF803
TAKE 500# SUGAR

EQUIPMENT

SUPERVISOR:	Ivan Garcia	FIELD REPRESENTATIVE:	
PUMP OPERATOR:	Alonso Perches	UNIT NUMBER:	1031/2040
E/O:	Rogelio Alvarez	UNIT NUMBER:	1010/2003
E/O:	Phillip Aguilar	UNIT NUMBER:	1018/2004
E/O:		UNIT NUMBER:	
E/O:		UNIT NUMBER:	

FLUID DATA

1ST SLURRY:	PVL + 1.3% (BWOW) PF44 Salt + 30% PF151 Calcium Carbonate + 5% PF174 Expanding Cement Agent + .7% PF606 Fluidloss + .3% PF813 Retarder + .1% PF153 Antisettling Agent + .4 pps PF45 Defoamer						
DENSITY: 13	YIELD: 1.89	MIX H2O: 9.631	SACKS: 375				
2ND SLURRY:							
DENSITY:	YIELD:	MIX H2O:	SACKS:				
3RD SLURRY:							
DENSITY:	YIELD:	MIX H2O:	SACKS:				
4TH SLURRY:							
DENSITY:	YIELD:	MIX H2O:	SACKS:				
5TH SLURRY							
DENSITY:	YIELD:	MIX H2O:	SACKS:				
DISPLACEMENT TYPE :	FW/KCL/ OBM	DISPLACEMENT VOLUME:	182	MUD WEIGHT:	12		

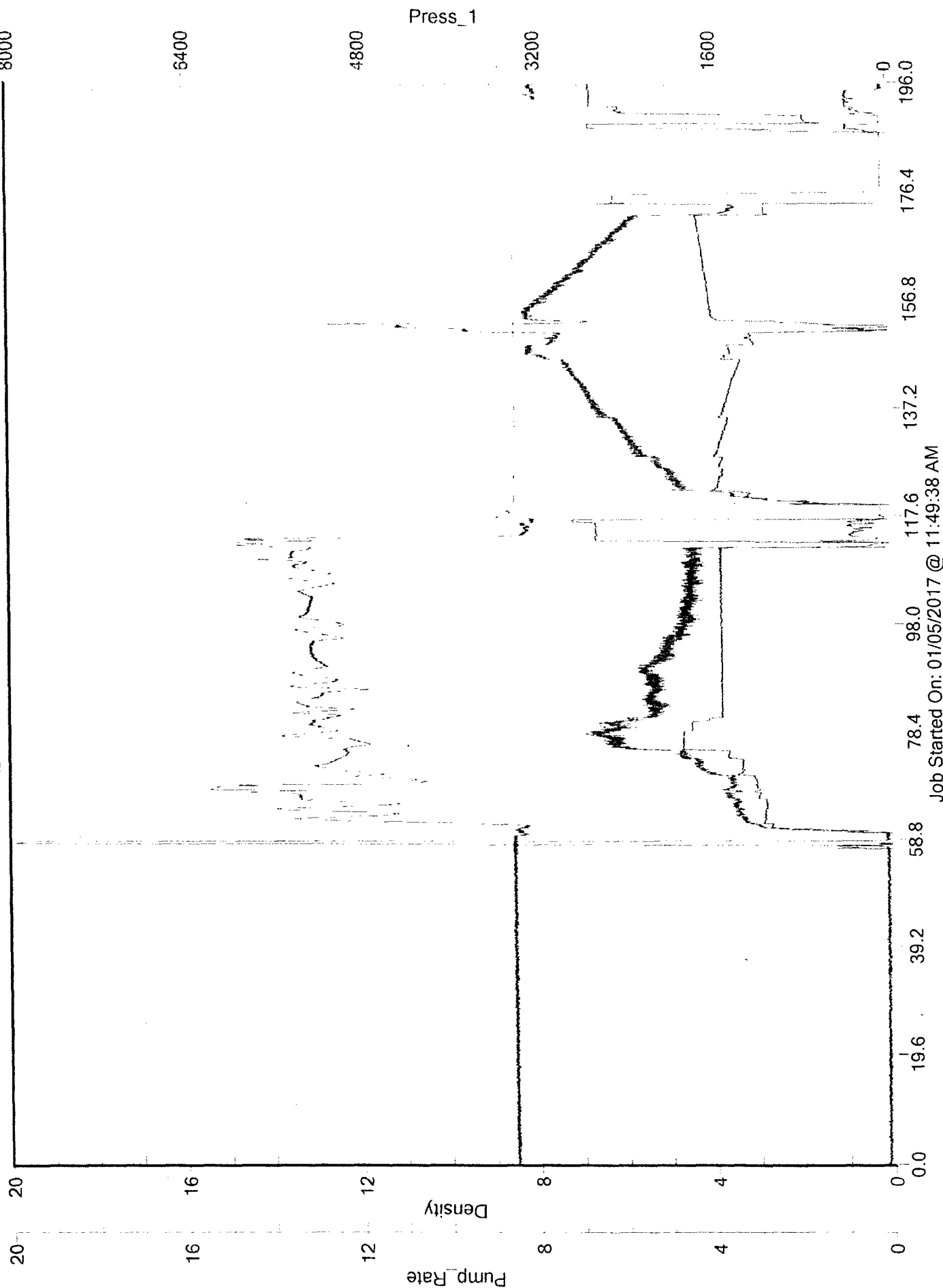
JOB LOG



COMPANY NAME: WPX ENERGY					DATE: 1/5/2017	
LEASE NAME: RDX FEDERAL COM 17					TICKET NUMBER: 6055	
WELL NUMBER: 41H					JOB TYPE: LINER	
SCHEDULED LOCATION TIME			7:30			
TIME ARRIVED ON LOCATION			9:30		TIME LEFT LOCATION 18:00	
TIME	PRESSURE DOWN HOSE		VOLUME	RATE	LOG DETAILS	
4:45					PRE-CONVOY MEETING	
5:00					DEPARTURE FROM YARD	
9:30					ARRIVE LOCATION	
9:45					HAZZARD ASSESMENT	
10:00					PRE-RIG UP MEETING	
12:32					PRE JOB SAFETY MEETING	
12:47	XXX	7000	0.5	0.5	TEST LINES	
12:50	XXX	1700	40	3.5	MUD PUSH SPACER @ 12.5 PPG	
13:06	XXX	1800	126	4	CEMENT @ 13.0 PPG	
13:43	XXX				SHUT DOWN DROP PLUG/ WASH UP PUMP	
13:51	XXX	3200	95	3.5	DISPLACEMENT/ 20 FW/60 KCL/10 FW/REST OIL BASED MUD	
14:20	XXX	5350	10	3	SLOW RATE/ SHEER OFF	
14:24	XXX	3400	67	4	PICK RATE BACK UP	
14:44	XXX	1500	10	3	SLOW RATE	
14:46	XXX	2500			BUMP PLUG	
14:51	XXX				CHECK FLOATS/ FLOATS HELD	
15:00					SWITCHED OVER TO RIG TO CIRCULATE CEMENT OUT	
					RIG CIRCULATED 30 BBL/ 90 SACKS OF CEMENT TO SURFACE	
					THANK YOU FOR USING PAR FIVE ENERGY SERVICES	

WPX ENERGY

RDX FED COM 17 #41H/4.5 LINER



Job Started On: 01/05/2017 @ 11:49:38 AM



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

ART16-6684-01F

Customer: **WPX Energy**
 Well Name: **RDX Federal Com 17 #41H**
 County: **Eddy** State: **NM**
 Rig: **H&P 509**
 Salesman: **Chris DeLeon**

MD: **15758**
 TVD: **10986**
 BHST: **168**
 BHCT: **132**

Report Date: **January 04 2017**
 Stage: **Lead**
 String: **Liner**
 Blend Type: **Field Blend**
 Reported By: **Elliot, Isaac**

Fluid Information

Density: 13.00 ppg Yield: 1.89 cuft/sk Mix Fluid: 9.626 gal/sk

Fluid Composition

Cement Blend: PVL

Additive	Conc	Design	Description	Lot Number
PF-044	1.300 %	BWOW	Salt	G3CB09
PF-151	30.00% %	BWOB	Calcium Carbonate	MFT-M20002041
PF-174	5.00% %	BWOB	Expanding Agent	MC10CR041913
PF-606	0.70% %	BWOB	Fluid Loss	GS20121C01-26
PF-813	0.50% %	BWOB	High Temp Retarder	28S3SM
PF-153	0.10%	BWOB	Anti Settling Agent	
PF-045	0.400 lb/sk	BWOB	Defoamer	201304AC

Thickening Time (by Viscosity)

Temp	3	6	100	200	300	PV	YP
80 °F	1	1	15	29.5	41	39	2
168 °F	1	2	17.5	30	45	41.25	3.75

Thickening Time

Temp	POD	30 Bc	50 Bc	70 Bc	100 Bc	Batch Time
168 °F	6:19	7:12	7:26	7:37		0

Thickening Time does not include batch time.

Fluid Loss

Temp	Incl.	ml Collected	Start Time	Stop Time
168 °F	0	0 ml/250	5:44	7:44

Fluid Loss

Temp	PSI	ml Collected	Minutes	API (Calc)
132 °F	1000	59 ml	At 30	118

Other Data

This data is for informational purposes only and is not intended to be used for legal or regulatory purposes. The accuracy of the data and its interpretation is not guaranteed.