Form 3160-5 (June 2015)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Artesia

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

5. Lease Serial No. NMNM20965

| | NOTICES AND REPO | | | rtesia | NMNM20965 | |
|--|---|---|---------------------------------------|------------------------------|---|---|
| Do not use the abandoned we | is form for proposals to II. Use form 3160-3 (AP | drill or to re D) for such բ | -enter an proposals. | | 6. If Indian, Allottee o | 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 ☐ Oil Well ☑ Gas Well ☐ Oth | ner | | | | 8. Well Name and No. RDX FEDERAL C | OM 17 46H |
| 2. Name of Operator RKI EXPLORATION & PROD | Contact: | CRYSTAL F | | | 9. API Well No. 30-015-44410 | |
| 3a. Address 3500 ONE WILLIAMS CENTE TULSA, OK 74172 | ER MD35 | 3b. Phone No Ph: 539-57 | . (include area code) '3-0218 |) | 10. Field and Pool or I PURPLE SAGE | Exploratory Area ;WOLFCAMP(GAS |
| 4. Location of Well (Footage, Sec., 7 | ., R., M., or Survey Description | ·) | · · · · · · · · · · · · · · · · · · · | <u> </u> | 11. County or Parish, | State |
| Sec 17 T26S R30E 75FNL 25 | 10FWL | | | | EDDY COUNTY | ſ, NM |
| 12. CHECK THE AI | PPROPRIATE BOX(ES) | TO INDICA | TE NATURE O | F NOTICE, | REPORT, OR OTH | IER DATA |
| TYPE OF SUBMISSION | | | TYPE OI | F ACTION | | |
| ☐ Notice of Intent | ☐ Acidize | ☐ Dee | pen . | ☐ Product | ion (Start/Resume) | ■ Water Shut-Off |
| _ | ☐ Alter Casing | □ Нус | raulic Fracturing | ☐ Reclam | ation | ■ Well Integrity |
| Subsequent Report | ☐ Casing Repair | _ | Construction | ☐ Recomp | | ☑ Other Drilling Operations |
| ☐ Final Abandonment Notice | ☐ Change Plans | _ ` | and Abandon | _ | rarily Abandon | Drining Operations |
| 13. Describe Proposed or Completed Op | ☐ Convert to Injection | ☐ Plug | | ☐ Water I | | |
| following completion of the involved testing has been completed. Final Al determined that the site is ready for f PLEASE BE ADVISED 2nd IN 7" 29# P-110 BTC: 0? ? 10,79 Lead CMT: 855 sks @ 11.2 pto sfc. | pandonment Notices must be fil inal inspection. ITERVAL CASING & CEM 14? pg, Tail: 235 sks @ 15.6 p | ed only after all MENT WAS S ppg. Bumped | requirements, includ | ling reclamatio | n, have been completed a | ATION: |
| 10/6/2017 test casing to 1500 | psi for 30 minutes. Good | Test. | Dr. | | | / / / |
| The binded Post Job Report is | Accepted for re | /-8-/- | 7 oco | | RECEIVE | |
| 14. I hereby certify that the foregoing is | Electronic Submission # For RKI EXPLO Committed to AFMSS for | RATION & PR | OD LL, sent to the JENNIFER SAN | ne/Carlsba⁄d CHEZ on /10/ | 16/2017 () | |
| Name (Printed/Typed) CRYSTAL | FULTON | | Title PERMI | ACCEP | TED FOR REL | <u> </u> |
| Signature (Electronic S | Submission) | | Date 10/11/2 | - F | | Months |
| | THIS SPACE FO | OR FEDERA | L OR STATE | OFFICE U | SE / 2011 | V /MV //\\ |
| | * . | | | VL | | |
| Approved By Conditions of approval, if any, are attache certify that the applicant holds legal or equivalent would entitle the applicant to conduct the conductive of the con | uitable title to those rights in the | | Title Office | BURE | HOE LA ID IN TAKE RLSBAD FIELD OF IC | |
| Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent | | | | willfully to ma | ake to any department or | agency of the United |
| (Instructions on page 2) | | | | | | \ |

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **



ENERGY SERVICES LLC

DESIGN - EXECUTE - EVALUATE - REPORT

DEEP INTERMEDIATE

WPX ENERGY RDX FEDERAL COM 17 #46H EDDY COUNTY NEW MEXICO

PRIMARY PUMP: SECONDARY PUMP:

2019 2014

PREPARED BY: JASON AHLIN

SERVICE SUPERVISOR
ARTESIA DISTRICT
1-575-748-8610

10/5/2017

WELL SUMMARY



ENERGY SERVICES LLC

| COMPANY NAME: | WPX ENERGY | | DATE: | 10/5/2017 | 7 | | |
|--------------------|--------------------|----------|-----------|-----------|----------|---------|--------------|
| LEASE NAME: | RDX FEDERAL COM 17 | | OPERATO | R NAME: | WPX ENER | GY | |
| WELL NUMBER: | #46H | | TICKET NU | IMBER: | 6992 | | |
| API NUMBER: | | | AFE NUM | BER: | | | |
| SECTION: | | TOWNSHIP |): | | | RANGE: | |
| COUNTY: EDDY | | | STATE: | NM | | | |
| RIG NAME: ORION 10 | | COMPANY | REP: | BRYAN KN | OPP | PHONE#: | 361-553-4421 |
| | | 1 (| DIRECTION | S *** | de sa | | |
| | | | | | | | |

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

NÖTES

UPDATED BY MIKE ELLIOTT 8-28-17

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



ENERGY SERVICES LLC

| | | k Maria Maria | WEI | L/CASING | DATA | | 美国在1997年 | |
|----------------------|--------------|----------------------------------|--|--|---------------------------------------|--|---------------------------|--------------------|
| JOB TYPE: DEEP INTE | RMEDIATE | | | HOLE SIZE | : | 8 3/4 | | |
| TVD: | 10692.3 | | | PREVIOUS | CASING SIZ | E: | 9 5/8 | |
| PREVIOUS CASING LB | /FT: | 40 | | PREVIOUS | CASING DE | PTH: | 3493 | |
| CASING SIZE: | 7 | | | | | | | |
| CASING LB/FT: | 29 | | | CASING G | RADE: | P110 | | |
| FLOAT COLLAR DEPTH | 1:10712.91 | | | SHOE JOIN | IT LENGTH: | 85.09 | | |
| DV TOOL DEPTH: | | | | SECOND D | V TOOL DEF | TH: | | |
| TOTAL DEPTH: | 10812 | | | TOTAL CA | | 10798 | | |
| | | Part of the Control | are tileT | | TA AT | Herri III | | |
| TBG/D.P. SIZE: | | | | TBG/D.P. I | | | | |
| TBG/D.P. LB/FT: | | | | TOOL DEP | | | | • |
| PACKER OR RETAINER | | - m 30m / 20m - 100 M 30 | | PERF/HOL | | | | |
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| CEMENT HEAD SIZE: | | 7 | | <u> </u> | NNECT SIZE: | | | |
| DRILL PIN SIZE/TYPE: | | | | THREAD: | | BUTTRESS | | |
| TUBING SWEDGE SIZE | | Cofee and Proposition 1992 | rape of the contract of the co | 1 | INCH REGUL | | | |
| | 4. 14. 14 | | . CHE | MICALS NE | EDED ! | | | |
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| 110# PF 424, 200# SU | GAR | Cartifaction program assentition | ali den trest i Francisco (marido). | | and in this was to be true and the tr | Alba y New Miles of Car | | |
| | | | | EQUIPMEN | T. | | Tarkey | |
| SUPERVISOR: | Daniel Moi | reno | | FIELD REP | RESENTATIV | 'E: | | |
| PUMP OPERATOR: | Pablo Altar | mirano | | UNIT NUM | IRFR. | 1009/2019 | Q | |
| | 1 abio Aitai | mano | ···· | UNIT NUM | | | | |
| E/0: | | | | ONIT NOW | IDEN. | 1015/201 | 4 | |
| E/O: | | | | UNIT NUM | 1BER: | 1029/204 | 7 | |
| E/0: | | | | UNIT NUM | IBER: | | | |
| | | | | | | | | |
| E/O: | | | Taris Zeithau | UNIT NUM | | 2034 | | 20.00 |
| | DVI - 10% DE | 20 Pantanita | A STATE OF THE STA | FLUID DAT. | 10-2-1-1 | or 1 0 79/ DEC | 06 Fluidloss +3 pps PF42 | Vol Saal + O A pas |
| 1ST SLURRY: | | | PF29 Celloph | | % FLT2 KEGUU | ei + 0.7% PFO | 06 Fibital035 +5 pps PF42 | KOI-3eai + 0.4 pps |
| DENSITY: 11.2 | YIELD: | 2.67 | MIX H2O: | | SACKS: | | 855 | |
| 2ND SLURRY: | H + 0.3% PF1 | 3 Retarder + 0 | .1% PF65 Disp | ersant | | | | |
| DENSITY: 15.6 | YIELD: | 1.18 | MIX H2O: | 5.225 | SACKS: | I | 235 | · |
| 3RD SLURRY: | TICLU. | 1.10 | INIX HZO. | 13.223 | JACKS. |] | 253 | |
| DENSITY: | YIELD: | | MIX H2O: | 1 | SACKS: | | | |
| 4TH SLURRY: | TILLU. | L | IMIN NZO. | [| וארנולט. | | | |
| DENSITY: | YIELD: | | MIX H2O: | I | SACKS: | T | | |
| 5TH SLURRY | IILLU. | L | INIX 1120. | L | Janeira. | <u> </u> | | |
| DENSITY: | YIELD: | | MIX H2O: | I | SACKS: | | | |
| DISPLACEMENT TYPE | | <u> </u> 3M | | I MENT VOLU | | 398 | MUD WEIGHT: | 11.8 |
| | | | | | | | | |



EVERGY SERVICES LLC DATE: 10/5/2017

| COMPANY NAME: | WPX EN | ERGY | | DATE: 10/5/2017 |
|-----------------|------------|-----------|----------|---|
| LEASE NAME: | RDX FED | ERAL COM: | 17 | TICKET NUMBER: 6992 |
| WELL NUMBER: | #46H | | | JOB TYPE: DEEP INTERMEDIATE |
| SCHEDULED LOCA | TION TIME | | 24:00:00 | |
| TIME ARRIVED ON | LOCATION | | 23:30 | TIME LEFT LOCATION 12:00 |
| TIME P | RESSURE# 4 | VOLUME | RATE | LOGIDETAILS |
| D.P | CASING | | | |
| 20:30 | | | | PRE-CONVOY MEETING |
| 21:00 | | | | DEPARTURE FROM YARD |
| 23:30 | | | | ARRIVE LOCATION |
| 0:01 | | | | HAZZARD ASSESMENT |
| 0:30 | | | | PRE-RIG UP MEETING |
| 1:00 | | | | RIG UP |
| 6:00 | | | | PRE JOB SAFETY MEETING |
| 6:35 | 50 | 2 | 2 | PRIME LINES |
| - 6:37 | 4570 | | 0.5 | TEST LINES |
| 6:41 | 70 | 10 | 4 | FRESH WATER SPACER |
| 6:47 | 310 | 20 | 7 | GEL SPACER WITH DYE |
| 6:51 | 377 | 406 | 7 | LEAD CEMENT |
| 8:19 | 170 | 49 | 5 | TAIL CEMENT |
| 8:33 | | | | SHUTDOWN |
| 8:39 | | | | SROP PLUG |
| 8:40 | 398 | 398 | 6.5 | DISPLACE WITH OIL BASED MUD |
| 9:25 | 277 | 240 | 4 | SLOWED RATE DUE TO LOST RETURNS |
| ~ 9:48 | 1300 | 398 | 0 | BUMP PLUG |
| 9:53 | 0 | 1 | | CHECKED FLOATS- 1 BBL BACK TO TRUCK |
| 9:55 | | | | SHUTDOWN |
| 10:30 | | | | PRE RIG DOWN SAFETY MEETING |
| 11:00 | | | | RIG DOWN |
| 12:00 | | | | OFF LOCATION |
| | | | | |
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| | | | | |
| | | | | (LOST RETURNS 240 BBLS INTO DISPLACMENT, GEL WITH DYE |
| | | | | CIRCULATED TO SURFACE BEFORE RETURNS WERE LOST) |
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|---------------------|-----------------------|------------------|-----------------------|--------------------------|-----------------------------------|---|--|--|---|
| LBS | 22246.00 L | | | Total Weight | Tota | | | | |
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| | PF-909 | <u>₹</u> | 10 TANK | 11140 | Class H | | | | |
| | PF-013 | <u>₹</u> | TANK | 66 | Retarder | | TAIL | | |
| | PF-909 - | | 10 TANK | 11040 | Class H | | 236 SKS H+ ADD | F/T 2 | |
| QUANITY RETURNED | CODE | NO. OF PACAKAGES | OL TYPE PACKAGE | MLVOL | CHEMICAL NAME | | DOT SHIPPING DESCRIPTION (SHIPPING NAME, HAZARD CLASS, UN #, PACKAGE GROUP) | DOT SHIPPING DESCRIPTION (SHIPPI | MH |
| | | | | | PORTABLE TANK(S) | | TRAILER | UCK | PLACARDS REQUIRED: TRUCK |
| | | | | | | | | | SPECIAL INSTRUCTIONS |
| 7#46 Н. | RDX FED COM 17 #46 H. |)B NAME | WELL NAME OR JOB NAME | WELL N | (PLANT OR | WPX JOB LOCATION | 2047 CUSTOMER | L NAME 1029 TRAILER NO. | TRUCK NO./ MOTOR VESSEL NAME |
| | | | MENT NO. | 00 TREATM | PED 10/4/2017 16:00 TREATMENT NO. | DATE SHIPPED | OPERATOR/ DRIVER NAME | ANM | SENM |
| - 유 - | PAGE 1 OF 1 | | | N. A. | ENERGY | | 24678 | SHIPPING PAPERS | SHIPPIN |
| | | | | | | | | | |

| 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: TOB SUPERVISOR: | THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, (| | UNIT DESCRIPTION | | | | | | | | | | | | | | LEAD | 107 SKS PVL + ADDS | HM DOT SHIPPING DESCRIPTION (SHIPPING NAME, HAZARD CLASS, UN #, PACKAGE GROUP) | PLACARDS REQUIRED: TRUCK | SPECIAL INSTRUCTIONS | TRUCK NO, MOTOR VESSEL NAME 5005 TRAILER NO. | SENM | SHIPPING PAPERS |
|---|--|--------------|------------------|--|--|--|--|------|-----|----------|------------|----------|----------|--------------------|----------|----------|---------------|--------------------|--|--------------------------|--|--|------------------------------|-----------------|
| TIMENT OF TRANSPORTATION/ OR LOADED TO THE SATISFACTION JOB SUPERVISOR: | DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN TH P | | WEIGHT UNIT | | | | | | | | | | | | | | D | L + ADDS | E, HAZARD CLASS, UN #, PACKAGE GROUP) | TRAILER | The state of the s | 6005 CUSTOMER WPX JOB LOCATION | OPERATOR/ DRIVER NAME DATE | 39 |
| | | Total | DESCRIPTION | | | | | | | PVL | Cellophane | Kol-Seal | Antifoam | FLUID LOSS CONTROL | Retarder | FPZ | Bentonite Gel | // PVL | CHEMICAL NAME | PORTABLE TANK(S) | A THE PERSON NAMED IN THE | (PLANT OR | DATE SHIPPED 10/2/2017 15:24 | ENERGY |
| RETURN LOAD OPERATOR (SIGNATURE) | CERTIFIED BY (SIGNATORE) | โotal Weight | | | | | | | | 3950 | 13 | 320 | 43 | 56 | 88 | 640 | 720 | 4090 | MLVOF | | | | TREATMENT NO. | 7 |
| SIGNATURE) | 4 | | | | | | | | | TANK | TANK | TANK | TANK | TANK | TANK | TANK | TANK | TANK | TYPE PACKAGE | | | WELL NAME OR JOB NAME | NO. | |
| 200 | | 36 | WE | | | | | | | | 1 | > | | | _ | | - | _ | NO, OF PACAKAGES | | | | | 77.5 |
| | | 9912.00 | WEIGHT | | | | | 10-2 | WII | PF-049 🕶 | PF-029 - | PF-042 > | PF-045 | PF-606 ~ | PF-013 | PF-060 ℃ | PF-020 - | PF-049 _ | CODE | | | RDX FED COM 17 # 46H | | PAGE |
| | | LBS | | | | | | | | | | | | | | | | | QUANITY RETURNED | | | # 46H | | PAGE 1 OF 1 |

| SIMPLING BABERS | 02310 | | 4 | | | 141 |
|--|--|---|----------------------------------|-----------------|---------------------|----------------------|
| IIFFIING FA | 30 | | ERV. | | LLC | PAGE 1 OF 1 |
| SENM | DRIVER NAME | DATE SHIPPED 10/2/2017 14:52 TREATMENT NO. | TREATMENT | ō. | | |
| TRUCK NO / MOTOR VESSEL NAME 5005 TRAILER NO. | 6005 CUSTOMER WPX JOB LOCATIO | N (PLANT OR | WELL NAME OR JOB NAME | R JOB NAME | RDXF | RDX FED.COM 17 #46H. |
| | | | | | | |
| PLACARDS REQUIRED: TRUCK | TRAILER | PORTABLE TANK(S) | | | | |
| HM DOT SHIPPING DESCRIPTIO | DOT SHIPPING DESCRIPTION (SHIPPING NAME, HAZARD CLASS, UN #, PACKAGE GROUP) | CHEMICAL NAME | MINOT I | TYPE PACKAGE PA | NO. OF PACAKAGES | CODE QUANITY |
| | | PVL | 6250 | TANK | | PF-049 |
| | | Bentonite Gel | 1240 | TANK | | PF-020 - |
| | 167 SKS PVL+ADDS | FPZ FPZ | 1000 | TANK | | PF-060 (|
| | LEAD | Retarder | 125 | TANK | د | PF-013 - |
| | | FEUID LOSS CONTROL | 88 | TANK | | PF-606 / |
| | | Antifoam | 67 | TANK | _ | PF-045 - |
| | | Kol-Seal | 500 | TANK | | PF-042 |
| | | Cellophane | 21 | TANK | _ | PF-029 — |
| | | PVL | 6260 | TANK | - | PF-049 ~ |
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| UNIT DESCRIPTION | WEIGHT UNIT | DESCRIPTION | | | WEIGHT | |
| | | Total \ | Total Weight | | 15551.00 | 1.00 LBS |
| | | | | - | | |
| THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROP TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS C | 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. | (CERTIFIED BY (SIGNATURE) ROPER CONDITION FOR OF THE CAPTAIN. | (SIGNATURE) | | | |
| LOAD DATE AND TIME: | RETURN LOAD DATE: JOB SUPERVISOR: | RETURN LOAG | RETURN LOAD OPERATOR (SIGNATURE) | NATURE) | | |
| | | | | | | |

| 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: JOB SUPERVISOR: | | | UNIT DESCRIPTION WEIGHT UNIT | | | | | | | | | | | | P | | | LEAD | . 81 SKS PVL + ADDS | HM DOT SHIPPING DESCRIPTION (SHIPPING NAME, HAZARD CLASS, UN #, PACKAGE GROUP) | PLACARDS REQUIRED: TRUCK TRAILER | | TRUCK NO./ MOTOR VESSEL NAME 500 Z TRAILER NO. (600 Z TISTOMER しか) | SENM OPERATOR DRIVER NAME DATE SHIPPED | SHIPPING PAPERS 24516 |
|---|--------------------------|--------------|------------------------------|--|--|---|--|---------|-------|-----|----------|------------|-------|--------------|--------------------|----------|----------|---------------|---------------------|--|----------------------------------|--------------|--|--|-----------------------|
| | CERTIFIED 8 | Total | DESCRIPTION | | | = | | | | | PVL | Cellophane | 1 243 | -/- Antifoam | FLUID LOSS CONTROL | Retarder | Kol-Seal | Bentonite Gel | PVL | CHEMICAL NAME | PORTABLE TANK(S) | | JOB LOCATION (PLANT OR FIELD) | 9/26/2017 22:54 TREATMENT NO. | ABMENNET . |
| RETURN LOAD OPERATOR (SIGNATURE) | CERTIFIED 8Y (SIGNATURE) | Total Weight | | | | | | | | | 3060 | 10 | 480 | 32 | 42 | 54 | 240 | 610 | 3000 | WT.VOL 1 | | | WELL NAME | TREATMENT | T |
| JGNATURE) | | | | | | | | | | | TANK | TANK | TANK | TANK | TANK | TANK | TANK | TANK | TANK | TYPE PACKAGE | | | OR JOB NAM | NO. | |
| | | 75 | WE | | | | | <u></u> | | | | _ | 1 | -1 | 1 | > | - | | | NO. OF PACAKAGES | | | हिराप्टर रह | | 23.2 |
| | | 7528.00 | WEIGHT | | | | | | 111-2 | 714 | PF-049 ¢ | PF-029 | pt-de | PF-045 | PF-606 \ | PF-013 | PF-042 + | PF-020 井 | PF-049 + | CODE | | , , | MEIT NAME OR JOB NAME BOY CONY 114 | | PAGI |
| | | LBS | | | | | | | | | • | 1 | | \ | < | < | 7 | 1 | K | RETURNED | | <i>:</i> | 1 HOD#1 | | PAGE 1 OF 1 |

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|---------------------|---------------------|------------------|-----------------------|--------------|-----------------------------------|--|-----------------|--|--|----------------------|
| | 1 | | SIGNATURE | OPERATOR | RETURN LOAD OPERATOR (SIGNATURE) | SOR. | JOB SUPERVISOR: | DATE: | TIME: RETURN LOAD DATE: | LOAD DATE AND TIME: |
| | <i>(</i> -) | 7 | | (SIGNATURE) | R CONDITION FOR HE CAPTAIN. | D AND ARE IN TH PROPEI THE SATISFACTION OF TH |) AND LABELET | CLASSIFIED, DESCRIBED, PACKAGED, MARKED E U.S. DEPARTMENT OF TRANSPORTATION OR | 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 SATISFACTION OF THE CAPTAIN. | THIS IS TO C |
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| | | | | | | | | | | |
| LBS | 15611.00 | | | Total Weight | Total V | | | | | |
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| | 2/14/ | - | | | | | | | | |
| | PF-049 - | _ | TANK | 6260 | PVL | | | | | |
| | PF-060 | 1 | TANK | 1000 | Zd3 | | | | | |
| | PF-029 - | ^ | TANK | 21 | Cellophane | | | | | |
| | PF-042 — | ^ _ | TANK | 500 | Kol-Seal | | | | | |
| | PF-045 - | ^ 1 | TANK | 67 | Antifoam | | | | | |
| | ₽F-606 ✓ | <u> </u> | TANK | 88 | FLUID LOSS CONTROL | | | | | |
| | PF-013 | _ | TANK | 125 | ~ Retarder | | | LEAD | | |
| | PF-020 - | _ | TANK | 1290 | — Bentonite Gel | | | 167 SKS PVL+ADDS | | |
| | PF-049 | | TANK | 6260 | , PVL | | | | | |
| QUANITY RETURNED | ES CODE | NO. OF PACAKAGES | TYPE PACKAGE | WT.V/OL | CHEMICAL NAME | | GROUP) | DOT SHIPPING DESCRIPTION (SHIPPING NAME, HAZARD CLASS, UN#, PACKAGE GROUP) | DOT SHIPPING DESCRIPTION (SI | M |
| | | | | | PORTABLE TANK(S) | | | TRAILER | PLACARDS REQUIRED: TRUCK | PLACARDS |
| | | | | | | | | | | SPECIAL INSTRUCTIONS |
| 17 #46 | RDX FED.COM 17 #46H | NAME | WELL NAME OR JOB NAME | WELL NAA | ON (PLANT OR FIELD) | WPX JOB LOCATION | | 6002 CUSTOMER | TRUCK NO.1 MOTOR VESSEL NAME 5002 TRAILER NO. | TRUCK NO. |
| | | | NT NO. | TREATME | PED 10/2/2017 13:43 TREATMENT NO. | DATE SHIPP | AME | OPERATOR/ DRIVER NAME | ANM | SENM |
| PAGE 1 OF 1 | PAGE | 1 | | V | EMEMEN | | 24635 | 24 | SHIPPING PAPERS | SHI |
| | | | | | | | | | | |

SIX

Well Name RDX Fed Com 17#4/

Rig# Orion Phoenix 10

| Tier #1 | Tier#2 | Tier #3 | Tier#4 |
|--|-----------------|-----------------|-----------------|
| | | | |
| Lead | Lead | Cecd | Lead |
| Type of Cement: | Type of Cement: | Type of Cement: | Type of Cement: |
| Trucks: SOA > | Trucks: | Trucks: 500S | Trucks: |
| Trailers: $(\mathcal{O}\mathcal{O})$ \mathcal{Z} | Trailers: 6002 | Trailers: 6005 | Trailers: 6005 |
| Sacks: 214 | Sacks: 214 | Sacks: 214 | Sacks: 2(4) |
| Date: | Date: | Date: | Date: |
| Driver: | Driver: | Driver: | Driver: |



Par Five Energy Services, LLC

ART17-7627-0

11279 Lovington Hwy Artesia, NM

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

Customer: WPX Energy

MD: 11269

Report Date: September 30 2017

Well Name: RDX Federal Com 17 #46H

TVD: 10920

Stage: Lead

County: Eddy

State: NM

BHST: 167

String: 2nd Intermediate

Blend Type: Plant Blend

Rig: Orion Phoenix Salesman: Chris DeLeon

BHCT: 131

Reported By:

Salmon, Mari

Const. Slurry Information is

Density: 11.20 ppg

Yield: 2.68 cuft/sk

Mix Fluid: 15.747 gal/sk

Cement Blend:

| Additive PF-020 | Conc 10.00% | % | Design BWOB | Description Bentonite Gel |
|--------------------|----------------|---|----------------|------------------------------|
| | | | | |

Lot Number

Bulk

PF-060 8.00% **BWOB** FPZ Strength Enhancer

PF-013 BWOB 1.00% Retarder MM02C-2752BK

PF-606 **BWOB** Fluid Loss 0.70%

GS20121C01-26

F-042 3.000 lb/sk BW08 KOLSEAL

BulK

PF-045 0.400 lb/sk **BWOB** Defoamer

201304AC

PF-029 0.125 lb/sk **BWOB** Cellophane

Rheology (Average Readings) Temp 3 6 100 200 300 PV ΥP 80 °F 1.5 1.5 6.5 10 15 12.75 2.25

| Thickening Time | | | | | | | | |
|-----------------|------|-------|-------|-------|--------|------------|--|--|
| Temp | POD | 30 Bc | 50 Bc | 70 Bc | 100 Bc | Batch Time | | |
| 131 °F | 6:28 | 6:54 | 7:17 | 7:34 | | 0 | | |

131 °F 1.5 2.5 8.5 12.5 17 12.75 4.25

Thickening Time does not include batch time.

| | | Free Fluid, 💸 | X = 12. 12.4 | K. C. T. |
|--------|-------|---------------|--------------|-----------|
| Temp | Incl. | ml Collected | Start Time | Stop Time |
| 131 °F | 0 | 0 ml/250 | 7:49 | 9:49 |

| | | (Flujel,kössi | | de la Circle |
|--------|------|---------------|---------|--------------|
| Temp | PSI | ml Collected | Minutes | API (Calc) |
| 131 °F | 1000 | 85 ml At 30 | | 170 |

| C Recus | (-) (1) (4) (-) | UCA Com | pressive s | itrength | ele V | |
|---------|-------------------------|---------|------------|----------|-------|-------|
| Temp | 50 psi | 500 psi | 12 hr | 24 hr | 48 hr | 72 hr |
| 167 | 10.15 | 24.24 | 10 | 477 | | |

PAR FIVE

Par Five Energy Services, LLC

ART17-7627-02FB

ENERGY SERVICES LLC

11279 Lovington Hwy Artesia, NM Phone(575)748-8610 Fax: (575) 748-8625

Customer: WPX Energy

MD: 11269

Report Date: September 30 2017

Well Name: RDX Federal Com 17 #46H

TVD: 10920

County: Eddy

String: 2nd Intermediate

State: NM

BHST: 167

Blend Type:

Stage:

Plant Blend

Rig: Orion Phoenix

BHCT: 131

Salesman: Chris DeLeon

Reported By:

Salmon, Mari

Slurry Information

Density: 15.60 ppg

Yield: 1.18 cuft/sk

Mix Fluid: 5.214 gal/sk

Slurry Composition

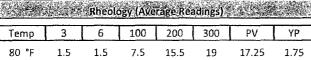
Cement Blend:

Additive PF-013

Class H

Conc 0.30% % Design BWOB Description Retarder

Lot Number MM02C-2752BK



131 °F 24.5 39.5 133.5 141.5 146 18.75 127.25

Thickening Time Temp POD 50 Bc 70 Bc 100 Bc Batch Time 3:45 131 °F 3:29 3:30 3:39 0 Thickening Time does not include batch time.



| i Hall | La Carlo | UCACom | pressive. | trength | Andrew. | 2.46 |
|--------|----------|---------|-----------|---------|---------|-------|
| Temp | 50 psi | 500 psi | 12 hr | 24 hr | 48 hr | 72 hr |
| 167 | 10.55 | 12.13 | 385 | 2806 | | |

