

Submit 1 Copy To Appropriate District

Office

District I - (575) 393-6161

1625 N. French Dr., Hobbs, NM 88240

District II - (575) 748-1283

811 S. First St., Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Rd., Aztec, NM 87410

District IV - (505) 476-3460

1220 S. St. Francis Dr., Santa Fe, NM

87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103

Revised July 18, 2013

WELL API NO.  
30-015-44536

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

C 17 STATE

8. Well Number 3H

9. OGRID Number 246286

10. Pool name or Wildcat  
FOREHAND RANCH; BONE SPRING

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator RKI Exploration & Production, LLC

3. Address of Operator 3500 One Williams Center, MD 35, Tulsa, OK 74172

4. Well Location

Unit Letter A : 1194 feet from the NORTH line and 526 feet from the EAST line  
Section 17 Township 23S Range 27E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3154

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

DOWNHOLE COMMINGLE ☐

CLOSED-LOOP SYSTEM ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☒ P AND A ☐

CASING/CEMENT JOB ☐

COMMENCE COMPLETION OPS

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

PLEASE BE ADVISED RKI EXPLORATION AND PRODUCTION, LLC CONCLUDED DRILLING & CEMENTING 1ST INTERVAL CASING FOR THIS WELL. A SUMMARY OF THE DRILLING OPERATION IS AS FOLLOWS:

2/5/2018 PT 13.375" casing to 1500 psi for 30 min. Test Good.

2/8/2018: 1st Intermediate

9.625" 40# J-55 LTC: 0' - 2,000.4'

CMT: Lead 299 sks @ 12 ppg, Tail: 133 sks @ 14.8 ppg.

Bump plug @ 1110 psi, floats held, circ 65 bbls cement to surface.

WOC 8 hours. PT Caing to 1500 Psi. for 30 min. Test Good.

The binded Post Job Report is attached.

RECEIVED

FEB 28 2018

RECEIVED

Spud Date: 1/6/2018

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Permitting Tech II

DATE 2/18/2018

Type or print name

Crystal Fulton

E-mail address:

crystal.fulton@wpenergy.com

PHONE: 539-573-0218

For State Use Only

APPROVED BY:

TITLE

Staff Mgr

DATE 2-28-18

Conditions of Approval (if any):

## FIELD TICKET

**Client** WPX ENERGY INC  
**Well** C State 17-3H  
**Job Description** Intermediate  
**Date** February 08, 2018



**Field Ticket #** FT-03526-W9P4X90202 38783

**Field Ticket #** FT-03526-W9P4X90202-38783  
**Client** WPX ENERGY INC  
521 S BOSTON, TULSA, 74121

**Credit Approval #**  
**Purchase Approval #**  
**Invoice #**

**Field Rep** Samuel Contreras  
**Field Client Rep** CHRIS  
**District** Hobbs, NM  
**Job Type** Intermediate  
**Job Depth (ft)** 2,008.00  
**Gas Used On Job** No

**Well** C State 17-3H  
**Well API #** 30-015-44536  
**Well Type**  
**Well Classification**  
**County** USA  
**State/Province** NM  
**Field**  
**Lease**



District Hobbs  
Supervisor samuel contreras  
Engineer

Customer Name WPX  
Well Name C STATE 17-3H  
Job Type INTERMEDIATE

| Seq No. | Start Date/Time | Category | Event                    | Equipment | Event ID | Density<br>(lb/gal) | Pump Rate<br>(bpm) | Pump Vol<br>(bbls) | Pipe Pressure<br>(psi) | Comments                                    |
|---------|-----------------|----------|--------------------------|-----------|----------|---------------------|--------------------|--------------------|------------------------|---------------------------------------------|
| 1       |                 |          |                          |           |          |                     |                    |                    |                        | TEST WATER PH7 SULFATE <200 CACL 500, WATER |
| 2       | 2/2/2019 00:00  |          | RTS @ 04:00 time         |           |          |                     |                    |                    |                        | TEMP: 35°F                                  |
| 3       | 2/2/2019 00:00  |          | 04:00 ARRIVE ON LOCATION |           |          | 0                   | 0                  | 0                  | 0                      | DID A HAZARD ASSESSMENT                     |
| 4       | 2/2/2019 00:00  |          | 04:30 TALK TO COMAN      |           |          | 0                   | 0                  | 0                  | 0                      | GOT WELL INFO                               |
| 5       | 2/2/2019 00:00  |          | 04:35 SPOT EQUIPMENT     |           |          | 0                   | 0                  | 0                  | 0                      | SPOT EQUIPMENT                              |
| 6       | 2/2/2019 00:00  |          | 04:40 RIGUP MEETING      |           |          | 0                   | 0                  | 0                  | 0                      | PRE RIGUP MEETING                           |
| 7       | 2/2/2019 00:00  |          | 05:00 FINISH RIG UP      |           |          | 0                   | 0                  | 0                  | 0                      | FINIH RIGGING UP                            |
| 8       | 2/2/2019 00:00  |          | 5:02                     |           |          | 0                   | 0                  | 0                  | 0                      | RIG RUNNING CASIN                           |
| 9       | 2/2/2019 00:00  |          | 10:20 SAFETY MEETING     |           |          | 0                   | 0                  | 0                  | 0                      | SAFETY MEETING BJ W/RIG CREW                |
| 10      | 2/2/2019 00:00  |          | 10:53 LINE TEST          |           |          | 8.24                | 2                  | 3                  | 3000                   | LINE TEST                                   |
| 11      | 2/2/2019 00:00  |          | 11:00 PUMP SACER         |           |          | 8.34                | 5                  | 30                 | 180                    | PUMP FRESH WATER SPACER                     |
| 12      | 2/2/2019 00:00  |          | 11:05 MIX LEAD           |           |          | 12                  | 5                  | 122                | 440                    | PUMP 122 BBLs LEAD SLURRY @ 12PPG           |
| 13      | 2/2/2019 00:00  |          | 11:28 MIX TAIL           |           |          | 14.8                | 5                  | 31                 | 420                    | PUMP 31 BBLs TAIL SLURRY @ 14.8PPG          |
| 14      | 2/2/2019 00:00  |          | 11:30 SHUT DOWN          |           |          | 0                   | 0                  | 0                  | 0                      | SHUT DOWN, DROP TRP                         |
| 15      | 2/2/2019 00:00  |          | 11:32 START DISPLACEMENT |           |          | 8.34                | 6                  | 0                  | 350                    | START DISPLACEMENT FRESH WATER              |
| 16      | 2/2/2019 00:00  |          | SLOW DOWN                |           |          | 8.34                | 3                  | 130                | 528                    | SLOW RATE DOWN, TO BUMP PLUG                |
| 17      | 2/2/2019 00:00  |          | 12:13:00 PM BUMP PLUG    |           |          | 8.34                | 3                  | 148                | 1110                   | BUMP PLUG, 500 PSI OVER                     |
| 18      | 2/2/2019 00:00  |          | 12:18 CHECK FLOW         |           |          | 0                   | 0                  | 0                  | 0                      | FLOW BACK 1.58BBLs PLUG HELD                |
| 19      | 2/2/2019 00:00  |          |                          |           |          | 8.34                | 2                  | 1                  | 1500                   | CIRCULATED 58BBLs = 12 SACKS TO PIT         |
| 20      | 2/2/2019 00:00  |          |                          |           |          | 0                   | 0                  | 0                  | 0                      | CIRCULATED 65BBLs TO PIT                    |
| 21      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        | THANK YOU FROM SAMUEL AND CREW              |
| 22      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 23      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 24      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 25      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        | FINISH RIGGING DOWN AT 12:45                |
| 26      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        | LEFT LOCATION @ 13:00 2/7/18                |
| 27      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        | ADDITIONAL 4 HOURS                          |
| 28      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 29      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 30      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 31      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 32      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 33      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 34      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 35      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 36      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 37      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 38      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 39      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 40      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 41      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |
| 42      | 2/2/2019 00:00  |          |                          |           |          |                     |                    |                    |                        |                                             |

## Cementing Treatment



|                    |                |                |               |
|--------------------|----------------|----------------|---------------|
| Start Date         | 10/13/2017     | Well           | C State 17-3H |
| End Date           | 12/31/2017     | County         | EDDY          |
| Client             | WPX ENERGY INC | State/Province | NM            |
| Client Field Rep   |                | API            | 30-015-44536  |
| Service Supervisor |                | Formation      |               |
| Field Ticket No.   |                | Rig            | Latshaw 11    |
| District           | Hobbs, NM      | Type of Job    | Intermediate  |

### WELL GEOMETRY

| Type              | ID (in) | OD (in) | Wt. (lb/ft) | MD (ft)  | TVD (ft) | Excess(%) | Grade | Thread |
|-------------------|---------|---------|-------------|----------|----------|-----------|-------|--------|
| Open Hole         | 12.25   |         |             | 1,979.00 | 2,008.00 |           |       |        |
| Previous Casing   | 12.62   | 13.38   | 54.50       | 445.00   | 445.00   |           | J-55  | BTC    |
| Open Hole         | 12.25   |         |             | 1,479.00 | 1,479.00 | 60.00     |       |        |
| Casing            | 8.84    | 9.63    | 40.00       | 1,959.00 | 1,959.00 |           | J-55  | 8RD    |
| Shoe Length (ft): | 48      |         |             |          |          |           |       |        |

### HARDWARE

|                           |        |                                      |  |
|---------------------------|--------|--------------------------------------|--|
| Bottom Plug Used?         | No     | Tool Type                            |  |
| Bottom Plug Provided By   |        | Tool Depth (ft)                      |  |
| Bottom Plug Size          |        | Max Tubing Pressure - Rated (psi)    |  |
| Top Plug Used?            | Yes    | Max Tubing Pressure - Operated (psi) |  |
| Top Plug Provided By      | Non BJ | Max Casing Pressure - Rated (psi)    |  |
| Top Plug Size             | 9.625  | Max Casing Pressure - Operated (psi) |  |
| Centralizers Used         | No     | Pipe Movement                        |  |
| Centralizers Quantity     |        | Job Pumped Through                   |  |
| Centralizers Type         |        | Top Connection Thread                |  |
| Landing Collar Depth (ft) | 1,960  | Top Connection Size                  |  |

### CIRCULATION PRIOR TO JOB

## Cementing Treatment



|                                      |       |                                      |    |
|--------------------------------------|-------|--------------------------------------|----|
| Well Circulated By                   | Rig   | Solids Present at End of Circulation | No |
| Circulation Prior to Job             | Yes   | 10 sec SGS                           |    |
| Circulation Time (min)               |       | 10 min SGS                           |    |
| Circulation Rate (bpm)               |       | 30 min SGS                           |    |
| Circulation Volume (bbls)            |       | Flare Prior to/during the Cement Job | No |
| Lost Circulation Prior to Cement Job | No    | Gas Present                          | No |
| Mud Density In (ppg)                 | 10.30 | Gas Units                            |    |
| Mud Density Out (ppg)                |       |                                      |    |
| PV Mud In                            |       |                                      |    |
| PV Mud Out                           |       |                                      |    |
| YP Mud In                            |       |                                      |    |
| YP Mud Out                           |       |                                      |    |

### TEMPERATURE

|                            |       |                                |       |
|----------------------------|-------|--------------------------------|-------|
| Ambient Temperature (°F)   | 55.00 | Slurry Cement Temperature (°F) | 50.00 |
| Mix Water Temperature (°F) | 50.00 | Flow Line Temperature (°F)     |       |

### BJ FLUID DETAILS

| Fluid Type                 | Fluid Name            | Density (ppg) | Yield (Cu Ft/sk) | H2O Req. (gals/sk) | Vol (sk) | Vol (Cu Ft) | Vol (bbls) |
|----------------------------|-----------------------|---------------|------------------|--------------------|----------|-------------|------------|
| Spacer / Pre Flush / Flush | Fresh Water           | 8.3400        |                  |                    |          |             | 30.0000    |
| Lead Slurry                | 50:50:10 Lead Class C | 12.0000       | 2.2725           | 13.02              | 299      | 679.0000    | 122.0000   |
| Tail Slurry                | Tail Slurry Class C   | 14.8000       | 1.3257           | 6.32               | 133      | 176.0000    | 31.3000    |
| Displacement Final         | FRESH WATER           | 8.3400        |                  |                    |          | 0.0000      | 148.0000   |

| Fluid Type  | Fluid Name            | Component         | Concentration | UOM |
|-------------|-----------------------|-------------------|---------------|-----|
| Lead Slurry | 50:50:10 Lead Class C | CEMENT, PREMIUM C | 50.0000       | PCT |

## Cementing Treatment



|             |                       |                                                 |               |
|-------------|-----------------------|-------------------------------------------------|---------------|
| Lead Slurry | 50:50:10 Lead Class C | CEMENT, FLY ASH<br>(POZZOLAN)                   | 50.0000 PCT   |
| Lead Slurry | 50:50:10 Lead Class C | SALT, SODIUM CHLORIDE,<br>A-5                   | 5.0000 BWOW   |
| Lead Slurry | 50:50:10 Lead Class C | EXTENDER, BENTONITE                             | 10.0000 BWOB  |
| Lead Slurry | 50:50:10 Lead Class C | CEMENT EXTENDER,<br>SODIUM METASILICATE,<br>A-2 | 0.2000 BWOB   |
| Lead Slurry | 50:50:10 Lead Class C | IntegraSeal CELLO                               | 0.2500 LBS/SK |
| Tail Slurry | Tail Slurry Class C   | CEMENT, PREMIUM C                               | 100.0000 PCT  |

### TREATMENT SUMMARY

| Time              | Fluid                 | Rate (bpm) | Fluid Vol. (bbls) | Pipe Pressure (psi) | Annulus Pressure (psi) | Comments |
|-------------------|-----------------------|------------|-------------------|---------------------|------------------------|----------|
|                   | Fresh Water           | 4.00       | 30.00             |                     |                        |          |
| 2/7/2018 11:00 AM | 50:50:10 Lead Class C | 5.00       | 122.00            | 455.00              | 0.00                   |          |
|                   | Tail Slurry Class C   | 4.00       | 31.30             |                     |                        |          |
| 2/7/2018 12:00 AM | Fresh Water           | 8.34       | 148.00            |                     |                        |          |

|                | Min  | Max  | Avg  |
|----------------|------|------|------|
| Pressure (psi) |      |      |      |
| Rate (bpm)     | 5.00 | 6.00 | 5.00 |

### DISPLACEMENT AND END OF JOB SUMMARY

|                                       |          |                                    |        |
|---------------------------------------|----------|------------------------------------|--------|
| Displaced By                          | BJ       | Amount of Cement Returned/Reversed | 5.00   |
| Calculated Displacement Volume (bbls) | 148.00   | Method Used to Verify Returns      | Visual |
| Actual Displacement Volume (bbls)     | 148.00   | Amount of Spacer to Surface        | 30.00  |
| Did Float Hold?                       | Yes      | Pressure Left on Casing (psi)      | 0.00   |
| Bump Plug                             | Yes      | Amount Bled Back After Job         | 1.50   |
| Bump Plug Pressure (psi)              | 1,110.00 | Total Volume Pumped (bbls)         | 400.00 |
| Were Returns Planned at Surface       | Yes      | Top Out Cement Spotted             | Yes    |
| Cement returns During Job             | Full     | Lost Circulation During Cement Job | No     |

## Cementing Treatment



### CEMENT PLUG

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|                        |    |                   |    |
|------------------------|----|-------------------|----|
| Bottom of Cement Plug? | No | Wiper Balls Used? | No |
| Wiper Ball Quantity    |    | Plug Catcher      | No |
| Number of Plugs        | 1  |                   |    |

### SQUEEZE

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|                                 |                     |
|---------------------------------|---------------------|
| Injection Rate (bpm)            | Fluid Density (ppg) |
| Injection Pressure (psi)        | ISIP (psi)          |
| Type of Squeeze                 | FSIP (psi)          |
| Operators Max SQ Pressure (psi) |                     |

### COMMENTS

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Treatment Report

Job Summary

## Call Sheet



|                          |                |             |                  |
|--------------------------|----------------|-------------|------------------|
| Service Line:            | Cementing      | Yard Call:  | BH:2330 2/6/2018 |
| Job Code:                | Intermediate   | BOL Date:   |                  |
| # of Zone of Total Zone: | 1 of 1         | District:   | Hobbs, NM        |
| Client Name:             | WPX ENERGY INC | Month Year: | 2/7/2018         |

| Well Information     |               |
|----------------------|---------------|
| API #:               | 30-015-44536  |
| Well Name:           | C State 17-3H |
| Formation:           |               |
| Rig Name:            | Latshaw 11    |
| Rig Phone:           |               |
| Drilling Contractor: |               |
| Country / Parish:    | EDDY          |
| State:               | NM            |
| Latitude:            | 32.30886      |
| Longitude:           | -104.20496    |
| Township:            |               |
| Section:             |               |
| Range:               |               |

| Client Information   |             |
|----------------------|-------------|
| Client:              | 20058445    |
| AFE/PO #:            |             |
| Client Rep On Loc:   |             |
| Phone #:             |             |
| Order Placed By:     |             |
| Phone #:             |             |
| Proposed Job Amount: | \$13,783.25 |

| Job Information |                  |
|-----------------|------------------|
| Job #:          | 2954             |
| Proposal #:     | QUO-06141-M9K9W9 |
| Order Taken By: |                  |
| Order Date:     | 2/1/2018         |
| Salesman:       | Steve Matlock    |
| Tech Writer:    | Juan Lacorte     |
| Job Status:     | Not Started      |

# Call Sheet



| Job Parameters       |             |
|----------------------|-------------|
| Hole Size:           | 12.25       |
| Cement Depth:        | 1,479.00    |
| Total Estd.Disp.Vol: | 146.60      |
| Water Resource:      |             |
| Hole Depth:          | 1,479.00    |
| Mud Density:         | 10.20       |
| Mud Type:            | Brine Based |
| Est. BHCT:           | 88.78       |

| Top Connection |      |        |
|----------------|------|--------|
| Size           | Type | Thread |

| Tubular Data    |         |         |          |
|-----------------|---------|---------|----------|
| Type            | OD (in) | ID (in) | MD (ft)  |
| Open Hole       |         | 12.250  | 1,979.00 |
| Previous Casing | 13.38   | 12.615  | 445.00   |
| Open Hole       |         | 12.250  | 1,479.00 |
| Casing          | 9.63    | 8.835   | 1,979.00 |

| Hardware |                          |
|----------|--------------------------|
| Qty      | Description              |
| 1        | PLUG,CEMENT 9.6 TOP BJPL |

## COMMENTS

## JOB INSTRUCTIONS

## DIRECTIONS TO WELL

## Call Sheet



**LEAVE HOBBS YARD T/LT TO 62/180 T/RT TOWARDS  
CARLSBAD, SECOND LIGHT IN CARLSBAD T/LT TO "Y" TO T/LT  
JUST PAST THE AIRPORT IN CARLSBAD T/LT ON DERRICK RD  
FOR 1.8 MI T/RT FOR 20.1 MI T/LT TO LOCATION 0.8**

### MATERIALS

| Material | Description                                  | QTY        | Unit |
|----------|----------------------------------------------|------------|------|
| L86720   | PLUG, CEMENT 9.6 TOP BJPL                    | 1.0000     | EA   |
| L100275  | CEMENT EXTENDER, SODIUM<br>METASILICATE, A-2 | 51.0000    | LB   |
| L100295  | IntegraSeal CELLO                            | 75.0000    | LB   |
| L100317  | CEMENT, FLY ASH (POZZOLAN)                   | 150.0000   | SK   |
| L410520  | CEMENT, PREMIUM C                            | 283.0000   | SK   |
| L499632  | RETARDER, SUGAR, GRANULAR                    | 300.0000   | LB   |
| L100404  | SALT, SODIUM CHLORIDE, A-5                   | 1,584.0000 | LB   |
| L100120  | EXTENDER, BENTONITE                          | 2,512.0000 | LB   |

### ASSIGNMENT DETAILS

#### Employee

| Day Night | Person           | Job Function          | Yard Date | Comments            |
|-----------|------------------|-----------------------|-----------|---------------------|
| Day       | Samuel Contreras | SUPERVISOR            | 2/6/2018  |                     |
| Day       | William Moore    | SUPERVISOR            | 2/6/2018  |                     |
| Day       | Efren Luna       | PUMP OPERATOR         | 2/6/2018  |                     |
| Day       | Januario Perez   | PUMP OPERATOR         | 2/6/2018  | PUMP CPF067         |
| Day       | Manuel Ortega    | EQUIPMENT<br>OPERATOR | 2/6/2018  | BULKTRUCK<br>CTF336 |
| Day       | Kevin Alderete   | EQUIPMENT<br>OPERATOR | 2/6/2018  | BULKTRUCK<br>CTF099 |

#### Equipment

| Day Night | Yard Date | Equipment | Equipment No | Comments    |
|-----------|-----------|-----------|--------------|-------------|
| Day       | 2/6/2018  |           |              | PUMP CPF067 |

## Call Sheet



**Day** 2/6/2018

BULKTRUCK CTF336 - 133SX  
TAIL

**Day** 2/6/2018

BULKTRUCK CTF099 - 299SX  
LEAD

# BJ SERVICES LLC

**Pre-Planned Job Procedure: WPX C STATE 17-3H**

**MAX RATE 5BPM**

**PRESSURE TEST 3000 PSI**

**9 5/8**

| Event #                        | Event                  | Volume             | Sacks             | Weight   | Yield    | Gal/SK |
|--------------------------------|------------------------|--------------------|-------------------|----------|----------|--------|
| 1                              |                        |                    |                   |          |          |        |
| 2                              | FILL LINES             | 2.0                |                   | 8.34     |          |        |
| 3                              | TEST LINES TO 3000 PSI |                    |                   |          |          |        |
| 4                              | H2O                    | 30.0               |                   | 8.34     |          |        |
| 5                              | LEAD CEMENT            | 122.0              | 299               | 12       | 2.304    | 13.02  |
| 6                              | TAIL CEMENT            | 31.0               | 133               | 14.8     | 1.326    | 6.327  |
| 7                              | SD/DROP PLUG           | 0.0                | 0                 | 0        | 0        |        |
| 8                              | DISPLACEMENT           | 148.5              |                   | 8.33     |          |        |
| 9                              | BUMP PLUG              |                    |                   |          |          |        |
| 10                             | CHECK FLOATS           |                    | 500 Over Land Psi |          |          |        |
| 11                             |                        |                    |                   |          |          |        |
| DISPLACEMENT                   | TOTAL PIPE             | SHOE JOINT         | FLOAT COLLAR      | BBL/FT   | H2O REQ. |        |
| 148.60                         | 2008                   | 48.27              | 1959.73           | 0.0758   | 310 BBLS |        |
| ***USE MUD SCALES EACH TIER*** |                        | TOTAL DISPLACEMENT | 148.60            |          |          |        |
|                                |                        |                    |                   |          |          |        |
| Collapse                       | 2570                   | Burst              | 3950              | 80%BURST | 3160     |        |

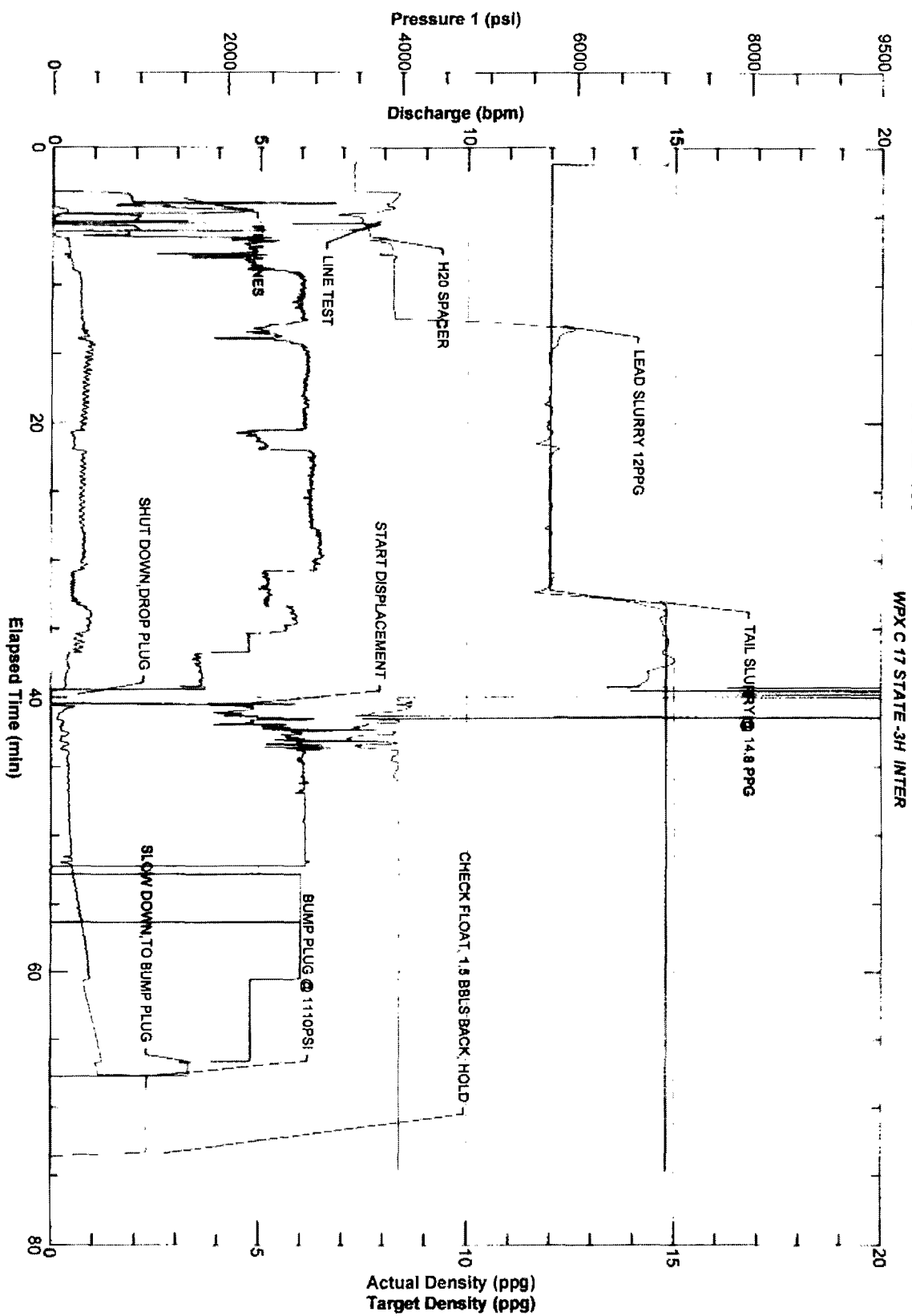


JobMaster Program Version 4.02C1

Job Number: K9W9

Customer: WPX

Well Name: C 17 STATE 3H



BJ Services

Job Start: Wednesday, February 07, 2018