

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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.**

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

5. Lease Serial No.  
NMSF-078534

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.  
NMNM 134944

8. Well Name and No.  
MC 6 Com #918H

9. API Well No.  
30-039-31311

10. Field and Pool or Exploratory Area  
Basin Mancos / Lybrook Gallup

11. Country or Parish, State  
Rio Arriba, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WPX Energy Production Company, LLC

3a. Address

PO Box 640 Aztec, NM 87410

3b. Phone No. (include area code)

505-333-1808

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 1733' FSL & 247' FEL, sec 35, T24N, R7W

BHL: 1880' FNL & 330' FWL, sec 35, T24N, R7W

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                   |   |  |  |
|--|--|---|--|--|
| <input checked="" 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 type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing            | <input type="checkbox"/> Fracture Treat   | <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 <b>Change of OPS Cement Plan</b> |
|  | <input checked="" 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.)

WPX Energy request to change from NOI dated 11/24/15 for the cement plan to a two stage conventional cement job w/ a DV tool.

Attached: OPS Plan

OIL CONS. DIV DIST. 3

DEC 09 2015

**BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS**

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

Name (Printed/Typed)

Marie E. Jaramillo

Title Permit Tech

Signature

Date 12/1/15

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

Approved by

William Tambekou

Title Petroleum Engineer

Date 12/03/2015

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 FFD

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)

NMOCD RV





## **WPX Energy**

### **Operations Plan**

*(Note: This procedure will be adjusted onsite based upon actual conditions)*

|                            |                            |                          |                                      |
|----------------------------|----------------------------|--------------------------|--------------------------------------|
| <b><u>Date:</u></b>        | <b>December 1, 2015</b>    | <b><u>Field:</u></b>     | <b>Basin Mancos / Lybrook Gallup</b> |
| <b><u>Well Name:</u></b>   | <b>MC 6 COM #918H</b>      | <b><u>Surface:</u></b>   | <b>BLM</b>                           |
| <b><u>SH Location:</u></b> | <b>NESE Sec 35-24N-07W</b> | <b><u>Elevation:</u></b> | <b>6806' GR</b>                      |
| <b><u>BH Location:</u></b> | <b>SWNW Sec 35-24N-07W</b> | <b><u>Minerals:</u></b>  | <b>FED</b>                           |

**Measured Depth:** 11,124.47'

**I. GEOLOGY:** SURFACE FORMATION - NACIMIENTO/ SAN JOSE

#### **A. FORMATION TOPS (KB)**

| NAME            | MD   | TVD  | NAME          | MD        | TVD      |
|-----------------|------|------|---------------|-----------|----------|
| OJO ALAMO       | 1049 | 1049 | POINT LOOKOUT | 4167      | 4167     |
| KIRTLAND        | 1356 | 1356 | MANCOS        | 4426      | 4426     |
| PICTURED CLIFFS | 2030 | 2030 | GALLUP        | 4836      | 4836     |
| LEWIS           | 2102 | 2102 | KICKOFF POINT | 5,607.00  | 5,161.52 |
| CHACRA          | 2359 | 2359 | TOP TARGET    | 5271      | 5227     |
| CLIFF HOUSE     | 3451 | 3451 | LANDING POINT | 5,998.20  | 5,276.81 |
| MENEFEE         | 3503 | 3503 | BASE TARGET   | 5,998.20  | 5,276.81 |
|                 |      |      | TD            | 11,124.47 | 5,294.00 |

**B. MUD LOGGING PROGRAM:** Mudlogger on location from surface csg to TD.

**C. LOGGING PROGRAM:** LWD GR from surface casing to TD.

**D. NATURAL GAUGES:** Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

## **II. DRILLING**

**A. MUD PROGRAM:** LSND mud (WBM) will be used to drill the 12-1/4" Surface hole, the 8 3/4" Directional Vertical hole, and the curve portion of the wellbore. A LSND (WBM) or (OBM) will be used to drill the lateral portion of well. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses.

**B. BOP TESTING:** While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the BOPE will be tested to **250 psi (Low) for 5 minutes and 1500 psi (High) for 10 minutes**. Pressure test surface casing to **600 psi for 30 minutes** and intermediate casing to **1500 psi for 30 minutes**. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. The drum brakes will be inspected and tested each tour. **All tests and inspections will be recorded in the tour book as to time and results.**



### III. MATERIALS

#### A. CASING PROGRAM:

| CASING TYPE  | OH SIZE (IN) | DEPTH (MD)           | CSG SIZE | WEIGHT   | GRADE          | CONN |
|--------------|--------------|----------------------|----------|----------|----------------|------|
| SURFACE      | 12.25"       | 320.00'              | 9.625"   | 36 LBS   | J-55 or equiv  | STC  |
| INTERMEDIATE | 8.75"        | 5,998.20'            | 7"       | 23 LBS   | J-55 or equiv  | LTC  |
| PRODUCTION   | 6.125"       | 5848.2' - 11,124.47' | 4.5"     | 11.6 LBS | P-110 or equiv | LTC  |
| TIE BACK     | 6.125"       | Surf. - 5848.2'      | 4.5"     | 11.6 LBS | P-110 or equiv | LTC  |

#### B. FLOAT EQUIPMENT:

1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.

2. INTERMEDIATE CASING: 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) centralizer at 2,500 ft., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft. **Place DV tool @ the top of the Chacra formation. If cement is circulated back to surface on the first stage, a cancelation device will be dropped to shift the dv tool closed and the 2nd stage cement job will be aborted at that time.**

3. PRODUCTION LINER: Run 4-1/2" Liner with cement nose guide Float Shoe + 2jts. of 4-1/2" casing + Landing Collar + 4-1/2" pup joint + 1 RSI (Sliding Sleeve) positioned inside the 330ft Hard line. Centralizer program will be determined by Wellbore condition and when Lateral is evaluated by Geoscientists and Reservoir Engineers. Set seals on Liner Hanger. Test TOL to 1500 psi for 15 minutes.

#### C. CEMENTING:

*(Note: Volumes may be adjusted onsite due to actual conditions)*

**1. Surface** 5 bbl Fresh Water Spacer, 100 sx (160 cu.ft.) of 14.5 ppg Type I-II (Neat G) + 20% Fly Ash cement w/ 7.41 gal/sack mix water ratio @ 1.61 cu ft/sx yield. Calculated @ volume + 50% excess. WOC 12 hours. Test csg to 600psi. Total Volume: (160 cu-ft/100 sx/ Bbls). TOC at Surface.

**2. Intermediate** Stage 1: Spacer #1: 20 bbl (112 cu-ft) Water Spacer. Lead Cement: 177 bbl, 503 sks (992 cu.ft.) of 12.3 ppg 1.97 ft<sup>3</sup>/sk 10.35 gal/sk. Tail Cement: 17 bbl, 75 sks (98 cu ft) 13.5 ppg 1.3 ft<sup>3</sup>/sk, 5.81 gal/sk. Displacement: 236 bbl mud.

Stage 2: Spacer #1: 20 bbl (112 cu-ft) Water Spacer. Lead Cement: 65 bbl, 186 sks (363 cu.ft.) of 12.3 ppg 1.95 ft<sup>3</sup>/sk 10.35 gal/sk. Tail Cement: 10 bbl, 50 sks (58 cu ft) 15.8 ppg 1.15 ft<sup>3</sup>/sk, 5.81 gal/sk. Displacement: 89 bbl mud.

**3. PROD. LINER:** Spacer #1: 10 bbl (56 cu-ft) Water Spacer. Spacer #2: 40 bbl 9.5 ppg (224.6 cu-ft) Tuned Spacer III. Spacer #3: 10 bbl Water Spacer. Lead Cement: Extencem™ System. Yield 1.36 cuft/sk 13.3 ppg (517 sx / 703 cuft / 125 bbls). Tail Spacer: 20 BBL of MMCR. Displacement: Displace w/ +/- 140 bbl Fr Water. Total Cement (517 sx / 703 bbls).

I.  
**COMPLETION**

A. **CBL**

Run CCL for perforating

A. **PRESSURE TEST**

1. Pressure test 4-1/2" casing to 4500 psi max, hold at 1500 psi for 30 minutes. Increase pressure to Open RSI sleeves.

B. **STIMULATION**

1. Stimulate with approximately 2,805,000# 20/40 mesh sand and 340,000# 16/30 mesh sand in 619,113 gallons water with 42,696 mscf N2 for 17 stages.
2. Isolate stages with flow through frac plug.
3. Drill out frac plugs and flowback lateral.

C. **RUNNING TUBING**

1. Production Tubing: Run 2-7/8", 6.5#, J-55, EUE tubing with a SN on top of bottom joint. Land tubing near Top of Liner.

- Although this horizontal well will be drilled past the applicable setbacks, an unorthodox location application is not required because the completed interval in this well, as defined by 19.15.16.7 B(1) NMAC, will be entirely within the applicable setbacks. This approach complies with all applicable rules, including 19.15.16.14 A(3) NMAC, 19.15.16.14 B(2) NMAC, 19.15.16.15 B(2) NMAC, and 19.15.16.15 B(4) NMAC.

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**NOTE:**

**Proposed Operations:**

A 4-1/2" 11.6# P-110 Liner will be run to TD and landed +/- 150 ft. into the 7" 23# J-55 Intermediate casing with a Liner Hanger and pack-off assembly then cemented to top of liner hanger.

After cementing and TOL clean up operations are complete, the TOL will be tested to 1500 psi (per BLM).