

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

Form C-103  
Revised July 18, 2013

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

|                                                                                                                                                                                                               |  |                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(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.) |  | WELL API NO.<br>30-015-42058                                                                        |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>                                                                                |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 2. Name of Operator<br>OXY USA Inc.                                                                                                                                                                           |  | 6. State Oil & Gas Lease No.                                                                        |
| 3. Address of Operator<br>P.O. Box 50250 Midland, TX 79710                                                                                                                                                    |  | 7. Lease Name or Unit Agreement Name<br>Cedar Canyon 17                                             |
| 4. Well Location<br>Unit Letter A : 1150 feet from the North line and 150 feet from the East line<br>Section 17 Township 24S Range 29E NMPM County Eddy                                                       |  | 8. Well Number<br>1H                                                                                |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>2928'                                                                                                                                                   |  | 9. OGRID Number<br>16696                                                                            |
|                                                                                                                                                                                                               |  | 10. Pool name or Wildcat<br>Coral Draw Bone Springs                                                 |

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

| NOTICE OF INTENTION TO:                                                 |                                           | SUBSEQUENT REPORT OF:                            |                                          |
|-------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------|------------------------------------------|
| PERFORM REMEDIAL WORK <input type="checkbox"/>                          | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>           | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>                            | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>                           | MULTIPLE COMPL <input type="checkbox"/>   | CASING/CEMENT JOB <input type="checkbox"/>       |                                          |
| DOWNHOLE COMMINGLE <input type="checkbox"/>                             |                                           |                                                  |                                          |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>                             |                                           |                                                  |                                          |
| OTHER: Expandable Liner, Perf, Frac <input checked="" type="checkbox"/> |                                           | OTHER: <input type="checkbox"/>                  |                                          |

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.

See Attached

RECEIVED

JUN 07 2018

DISTRICT II-ARTESIA O.C.D.

Spud Date:

Rig Release Date:

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

SIGNATURE David Stewart TITLE Sr. Regulatory Advisor DATE 6/5/18

Type or print name David Stewart E-mail address: david\_stewart@oxy.com PHONE: 432-685-5717

For State Use Only

APPROVED BY: Staff Mgr TITLE Staff Mgr DATE 6-7-18  
Conditions of Approval (if any):

**Proposed Perforation & Plug Depth**

| PLUGS AND PERFORATIONS INTERVALS                   |                 |           |           |           |           |       |
|----------------------------------------------------|-----------------|-----------|-----------|-----------|-----------|-------|
|                                                    |                 | Cluster 1 | Cluster 2 | Cluster 3 | Cluster 4 | Plug  |
|                                                    | Gun Length      | 2         | 2         | 2         | 2         |       |
|                                                    | Number of Shots | 6         | 6         | 6         | 6         |       |
| Stage 1 Perfs: 6 shots loaded @ 60 degree phasing  | Top             | 13047     | 13096     | 13145     | 13194     | 13220 |
|                                                    | Bottom          | 13049     | 13098     | 13147     | 13196     |       |
| Stage 2 Perfs: 6 shots loaded @ 60 degree phasing  | Top             | 12850     | 12899     | 12948     | 12997     | 13023 |
|                                                    | Bottom          | 12852     | 12901     | 12950     | 12999     |       |
| Stage 3 Perfs: 6 shots loaded @ 60 degree phasing  | Top             | 12653     | 12702     | 12751     | 12800     | 12826 |
|                                                    | Bottom          | 12655     | 12704     | 12753     | 12802     |       |
| Stage 4 Perfs: 6 shots loaded @ 60 degree phasing  | Top             | 12456     | 12505     | 12554     | 12603     | 12629 |
|                                                    | Bottom          | 12458     | 12507     | 12556     | 12605     |       |
| Stage 5 Perfs: 6 shots loaded @ 60 degree phasing  | Top             | 12259     | 12308     | 12357     | 12406     | 12432 |
|                                                    | Bottom          | 12261     | 12310     | 12359     | 12408     |       |
| Stage 6 Perfs: 6 shots loaded @ 60 degree phasing  | Top             | 12062     | 12111     | 12160     | 12209     | 12235 |
|                                                    | Bottom          | 12064     | 12113     | 12162     | 12211     |       |
| Stage 7 Perfs: 6 shots loaded @ 60 degree phasing  | Top             | 11865     | 11914     | 11963     | 12012     | 12038 |
|                                                    | Bottom          | 11867     | 11916     | 11965     | 12014     |       |
| Stage 8 Perfs: 6 shots loaded @ 60 degree phasing  | Top             | 11668     | 11717     | 11766     | 11815     | 11841 |
|                                                    | Bottom          | 11670     | 11719     | 11768     | 11817     |       |
| Stage 9 Perfs: 6 shots loaded @ 60 degree phasing  | Top             | 11471     | 11520     | 11569     | 11618     | 11644 |
|                                                    | Bottom          | 11473     | 11522     | 11571     | 11620     |       |
| Stage 10 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 11274     | 11323     | 11372     | 11421     | 11447 |
|                                                    | Bottom          | 11276     | 11325     | 11374     | 11423     |       |
| Stage 11 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 11077     | 11126     | 11175     | 11224     | 11250 |
|                                                    | Bottom          | 11079     | 11128     | 11177     | 11226     |       |
| Stage 12 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 10880     | 10929     | 10978     | 11027     | 11053 |
|                                                    | Bottom          | 10882     | 10931     | 10980     | 11029     |       |
| Stage 13 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 10683     | 10732     | 10781     | 10830     | 10856 |
|                                                    | Bottom          | 10685     | 10734     | 10783     | 10832     |       |
| Stage 14 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 10486     | 10535     | 10584     | 10633     | 10659 |
|                                                    | Bottom          | 10488     | 10537     | 10586     | 10635     |       |
| Stage 15 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 10289     | 10338     | 10387     | 10436     | 10462 |
|                                                    | Bottom          | 10291     | 10340     | 10389     | 10438     |       |
| Stage 16 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 10092     | 10141     | 10190     | 10239     | 10265 |
|                                                    | Bottom          | 10094     | 10143     | 10192     | 10241     |       |
| Stage 17 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 9895      | 9944      | 9993      | 10042     | 10068 |
|                                                    | Bottom          | 9897      | 9946      | 9995      | 10044     |       |
| Stage 18 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 9698      | 9747      | 9796      | 9845      | 9871  |
|                                                    | Bottom          | 9700      | 9749      | 9798      | 9847      |       |
| Stage 19 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 9501      | 9550      | 9599      | 9648      | 9674  |
|                                                    | Bottom          | 9503      | 9552      | 9601      | 9650      |       |
| Stage 20 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 9304      | 9353      | 9402      | 9451      | 9477  |
|                                                    | Bottom          | 9306      | 9355      | 9404      | 9453      |       |
| Stage 21 Perfs: 6 shots loaded @ 60 degree phasing | Top             | 9107      | 9156      | 9205      | 9254      | 9280  |
|                                                    | Bottom          | 9109      | 9158      | 9207      | 9256      |       |

**Proposed Pump Schedule**

| Slickwater 2 (5,000 ft) |            |            | 1500 #/ft 50 ft x 4 Clusters_Slickwater_Reduced Fluid |              |              |                   |             |                      |                     |                  |                 |
|-------------------------|------------|------------|-------------------------------------------------------|--------------|--------------|-------------------|-------------|----------------------|---------------------|------------------|-----------------|
|                         |            |            | Fluid Information                                     |              |              |                   |             | Proppant Information |                     |                  |                 |
| #                       | Time [min] | Type       | Rate [bpm]                                            | Clean [gals] | Dirty [gals] | Cum. Dirty [gals] | Description | Prop. Conc. [PPA]    | Description         | Stage Sand [lbs] | Cum. Sand [lbs] |
| 1                       | 0.79       | Acid       | 30                                                    | 1000         | 1,000        | 1,000             | 7.5% HCl    |                      |                     | -                | -               |
| 2                       | 6.08       | Pad        | 90                                                    | 15000        | 20,000       | 21,000            | Slick Water |                      |                     | -                | -               |
| 3                       | 9.61       | Sand-Laden | 90                                                    | 10000        | 13,635       | 34,634            | Slick Water | 0.50                 | 100 Mesh            | 5,000            | 5,000           |
| 4                       | 13.84      | Sand-Laden | 90                                                    | 12000        | 16,543       | 51,177            | Slick Water | 0.75                 | 100 Mesh            | 9,000            | 14,000          |
| 5                       | 19.14      | Sand-Laden | 90                                                    | 15000        | 20,904       | 72,081            | Slick Water | 1.00                 | 100 Mesh            | 15,000           | 29,000          |
| 6                       | 26.19      | Sand-Laden | 90                                                    | 20000        | 28,174       | 100,255           | Slick Water | 1.25                 | 100 Mesh            | 25,000           | 54,000          |
| 7                       | 36.42      | Sand-Laden | 90                                                    | 29000        | 41,290       | 141,545           | Slick Water | 1.50                 | 100 Mesh            | 43,500           | 97,500          |
| 8                       | 47.00      | Sand-Laden | 90                                                    | 30000        | 43,166       | 184,711           | Slick Water | 1.75                 | 100 Mesh            | 52,500           | 150,000         |
| 9                       | 52.29      | Sweep      | 90                                                    | 15000        | 20,904       | 205,616           | Slick Water | 1.00                 | 40/70 White         | 15,000           | 165,000         |
| 10                      | 57.58      | Sand-Laden | 90                                                    | 15000        | 21,131       | 226,746           | Slick Water | 1.25                 | 40/70 White         | 18,750           | 183,750         |
| 11                      | 64.64      | Sand-Laden | 90                                                    | 20000        | 28,476       | 255,222           | Slick Water | 1.50                 | 40/70 White         | 30,000           | 213,750         |
| 12                      | 72.75      | Sand-Laden | 90                                                    | 23000        | 33,094       | 288,316           | Slick Water | 1.75                 | 40/70 White         | 40,250           | 254,000         |
| 13                      | 80.86      | Sand-Laden | 90                                                    | 23000        | 33,441       | 321,757           | Slick Water | 2.00                 | 40/70 White         | 46,000           | 300,000         |
| 14                      | 0.00       | Flush      | 90                                                    |              |              |                   | Slick Water |                      | (Flush to Top Perf) |                  | 300,000         |

# MOHAWK ENERGY EXPANDABLE LINER SPECIFICATIONS

4.25 inch, 0.31 wall x 5.5 inch, 17 lb/ft

## FracPatch Specifications

### Expandable Pipe Body

| Pre-Expansion  |        |        | Post Expansion  |        |        |
|----------------|--------|--------|-----------------|--------|--------|
| OD             | 4.250  | inches | OD              | 4.805  | inches |
| ID             | 3.630  | inches | ID              | 4.218  | inches |
| Wall Thickness | 0.310  | inches | Wall Thickness  | 0.293  | inches |
| Weight         | 13.100 | lb/ft  | Drift           | 4.158  | inches |
| Drift          | 3.505  | inches | Internal Yield  | 9,895  | psi    |
| Seal Joint OD  | 4.490  | inches | Collapse        | 5,600  | psi    |
| Seal Thickness | 0.120  | inches | Expansion Ratio | 16.207 | %      |

### Expandable Connection

| Pre-Expansion      |         |         | Post Expansion     |         |        |
|--------------------|---------|---------|--------------------|---------|--------|
| Connection OD      | 4.310   | inches  | Connection OD      | 4.865   | inches |
| Connection ID      | 3.600   | inches  | Connection ID      | 4.218   | inches |
| Drift              | 3.505   | inches  | Drift              | 4.158   | inches |
| Tensile Rating     | 142,286 | lbs     | Internal Yield     | 9,895   | psi    |
| Compressive Rating | 142,286 | lbs     | Collapse           | 5,600   | psi    |
| Max DLS            | 36.01   | %/100ft | Tensile Rating     | 154,125 | lbs    |
| Optimum Torque     | 1,360   | ft-lbs  | Compressive Rating | 138,713 | lbs    |
| Max Torque         | 1,496   | ft-lbs  | Yield Torque       | 1,700   | ft-lbs |

### Mohawk Energy Setting Tool:

#### Appendix A1: Setting Tool

Table 4. 4.25 Setting Tool Specifications

|                           |                       |
|---------------------------|-----------------------|
| Tool connection up        | 2-7/8", 7.9# PH-6 Box |
| Tool weight               | 900 lbs               |
| Tool length               | 40.0 ft               |
| Expansion stroke          | 2.80 ft               |
| Max. dog-leg severity     | 25 %/100ft            |
| Axial load rating         | 200,000 lbs           |
| Max. pressure             | 4,500 psi             |
| Max. temperature          | 400 °F                |
| Circulation flow rate     | 30 gpm                |
| Valve shut off flow rate  | 46 gpm                |
| Pressure/force conversion | 44 lbs/psi            |

Table 5. 3.50 Tool Running Parameters

| Event                            | Pressure or Force |
|----------------------------------|-------------------|
| Stabbing sub latching load       | 500 lbs           |
| Max. slack off during deployment | 15,000 lbs        |
| Max. overpull during deployment  | 25,000 lbs        |
| Drive unit shear disk            | 1,750 psi         |
| Tool reset                       | 3,000-5,000 lbs   |
| Safety burst disk relief         | 5,000 psi         |



OXY USA Inc. - Current  
Cedar Canyon 17 #1H  
API No. 30-015-42058

14-3/4" hole @ 365'  
11-3/4" csg @ 365'  
w/ 530sx-TOC-Surf-Circ

10-5/8" hole @ 2925'  
8-5/8" csg @ 2625'  
w/ 840sx-TOC-Surf-Circ

7-7/8" hole @ 13370'  
5-1/2" csg @ 13370'  
w/ 1420sx-TOC-Surf-Circ

KO @ 7582'

750sx cmt @ 6843-8841'

Perfs @ 9195-13220'

TD-8841'

TD - 13370'M 8535'V  
PBTD - 13287'M 8535'V

OXY USA Inc. - Proposed  
Cedar Canyon 17 #1H  
API No. 30-015-42058

14-3/4" hole @ 365'  
11-3/4" csg @ 365'  
w/ 530sx-TOC-Surf-Circ

10-5/8" hole @ 2925'  
8-5/8" csg @ 2625'  
w/ 840sx-TOC-Surf-Circ

7-7/8" hole @ 13370'  
5-1/2" csg @ 13370'  
w/ 1420sx-TOC-Surf-Circ

**4-1/4" 13.1# Frac Patch Liner @ 9089-13220'**

750sx cmt @ 6843-8841'

TD-8841'

**Perfs @ 9107-13196'** TD - 13370'M 8535'V  
Original Perfs @ 9195-13220' PB - 13287'M 8535'V