

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

|   |
|---|
| WELL API NO.<br>30-015-22864  |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>X0-0647-0411  |
| 7. Lease Name or Unit Agreement Name<br>Empire Abo Unit (309164)                                    |
| 8. Well Number 291A   |
| 9. OGRID Number<br>873  |
| 10. Pool name or Wildcat<br>Empire; Abo (22040)   |

**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  
Apache Corporation

3. Address of Operator  
303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705

4. Well Location  
 Unit Letter L : 2000 feet from the South line and 1200 feet from the West line  
 Section 33 Township 17S Range 28E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3666 GL

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

|   |   |  |  |
|---|---|--|--|
| <b>NOTICE OF INTENTION TO:</b>                          |   | <b>SUBSEQUENT REPORT OF:</b>                     |  |
| 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 checked="" 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: <input 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.

Apache would like to perform the following work. Please see attachments.

Producing Interval: 5,760-6,193'  
 Production Casing: 5-1/2" 15.5 @ 6,250'

Objective: TA Wellbore. Evaluating for re-completion potential

Procedure:

1. POOH with rods and pump
2. Set a CIBP @ 5,740' and dump bail 35' of cmt
3. Circulate fluid and pressure test casing to 500 psi
4. Record the test on a chart and submit to OCD for approval

Spud Date:

Rig Release Date:

**NM OIL CONSERVATION**  
 ARTESIA DISTRICT  
 NOV 17 2016

**RECEIVED**

TA status may be granted after a successful MIT test is performed. Contact the OCD to schedule the test so it may be witnessed.

*LAST PROD 2/1/2016*

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

SIGNATURE Isabel Hudson TITLE Regulatory Analyst DATE 11/15/2016

Type or print name Isabel Hudson E-mail address: isabel.hudson@apachecorp.com PHONE: (432) 818-1142

**For State Use Only**

APPROVED BY: Richard Innes TITLE COMPLIANCE OFFICER DATE 11/17/16  
 Conditions of Approval (if any):



November 12, 2016

Empire ABO Unit # G-291

Legal Name: Empire ABO Unit # 291A

API # 30-015-22864

Eddy County, NM

Producing Interval: **5,760-6,193'**

Production Casing: 5-1/2" 15.5 @ 6,250'

**Objective:** TA Wellbore. Evaluating for re-completion potential

**Procedure:**

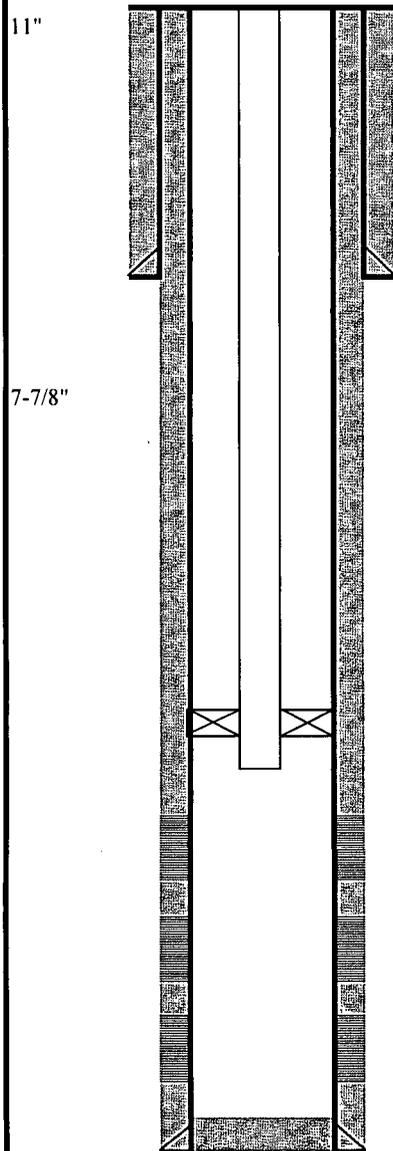
1. POOH with rods and pump
2. Set a CIBP @ 5,740' and dump bail 35' of cmt
3. Circulate fluid and pressure test casing to 500 psi
4. Record the test on a chart and submit to OCD for approval

**Apache Corp.**  
**Actual**

|                            |                    |                |               |
|----------------------------|--------------------|----------------|---------------|
| <b>LEASE/UNIT:</b>         | Empire Abo Unit    | <b>DATE:</b>   | Nov. 01, 2016 |
| <b>WELL:</b>               | G-291              | <b>BY:</b>     | HJG           |
| <b>API NUMBER:</b>         | 30-015-22864       | <b>FIELD:</b>  | Empire (BP)   |
| <b>LEGAL DESCRIPTION:</b>  | Sec 33, T17S, R28E | <b>COUNTY:</b> | Eddy          |
| <b>WI/OIL NRI/GAS NRI:</b> | 37.83%/32.8%/32.8% | <b>STATE:</b>  | New Mexico    |

Spud: 4/21/79  
Rig Release:

KB = 3678'  
GL = 3665'



8-5/8" 24# K-55 Set @ 768'  
CMT 800 SX CIRC/SURF

5-1/2" 15.5# K-55 Set @ 6250'  
CMT W/ 1350 SX CIRC/SURF

DV Tool @ 3018'

2 7/8 TBG set @ 5438'  
TAC @ 5401'

**ABO (2/96)**  
Perf: 5760-68, 80-86, 5812-44, 54-66, 72-76, 84-88, 98-5922, 38-44, 56-64, 70-76'  
(2 SPF, 120 holes)  
9/11: Az w/ 6,000 gals 15% anti sludge w/BS

**ABO (2/96)**  
Perf: 6020-6150'  
2/96: Az w/ 4,500 gals  
9/11: Az w/ 7,500 gals 15% anti sludge, 1500# RS

**ABO (5/79)**  
Perf: 6173-93' (2 SPF, 40 holes)  
5/79: Az w/ 150 gal 15% HCl-LSTNE-FE, 1000 gal 10# gelled CaCl wtr,  
1000 gal gelled LC, 1000 gal 15% HCl-LSTNE-FE

TD = 6250'  
PBSD = 6212'

HIT failures in 2014 & 2015

**Formation Tops:**  
Queen -  
Grayburg -  
San Andres -  
Glorieta -  
Abo - 5746