

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

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|--|--|---|
| 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.) | | WELL API NO. 30-015-22864 |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> | | 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator Apache Corporation | | 6. State Oil & Gas Lease No. X0-0647-0411 |
| 3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705 | | 7. Lease Name or Unit Agreement Name Empire Abo Unit (309164) |
| 4. Well Location Unit Letter <u>L</u> : 2000 feet from the <u>South</u> line and <u>1200</u> feet from the <u>West</u> line Section <u>33</u> Township <u>17S</u> Range <u>28E</u> NMPM County <u>Eddy</u> | | 8. Well Number <u>291A</u> |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3666 GL | | 9. OGRID Number 873 |
| | | 10. Pool name or Wildcat Empire; Abo (22040) |

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 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:

04/21/1979

Rig Release Date:

05/05/1979

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'

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4. Record the test on a chart and submit to OCD for approval

Apache Corp.
Actual

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

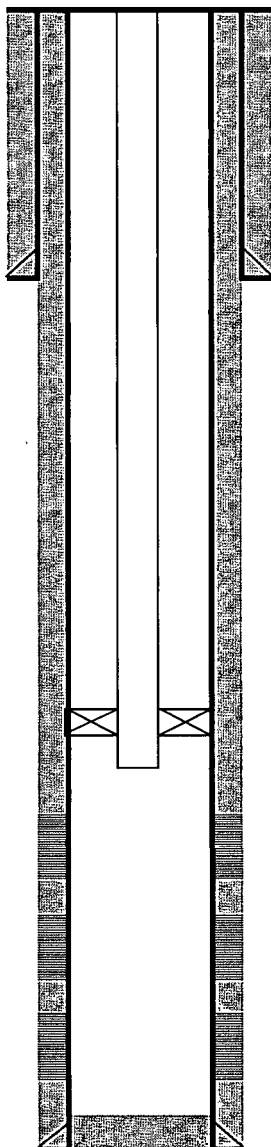
Spud: 4/21/79

KB = 3678'

Rig Release:

GL = 3665'

11"



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'

PBTD = 6212'

HIT failures in 2014 & 2015

Formation Tops:

Queen -

Grayburg -

San Andres -

Glorieta -

Abo - 5746