

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. 30-015-00902 |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. 309164 |
| 7. Lease Name or Unit Agreement Name Empire Abo Unit |
| 8. Well Number 005D |
| 9. OGRID Number 873 |
| 10. Pool name or Wildcat |

| | |
|---|-------------|
| 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 TO DRILL OR PLUG BACK TO A DIFFERENT RESERVOIR" FOR PROPOSALS.) | |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> | NOV 13 2018 |
| 2. Name of Operator Apache Corporation | |
| 3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705 | RECEIVED |
| 4. Well Location Unit Letter <u>E</u> : 1980 feet from the <u>NORTH</u> line and 680 feet from the <u>WEST</u> line Section <u>16</u> Township <u>18S</u> Range <u>27E</u> NMPM County <u>EDDY</u> | |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) | |

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 ☐
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.

Apache would like to TA the wellbore

see attached procedures and current and proposed WBD

1. POOH w/ rods and pump while laying down, TOOH w/ tubing and BHA
2. MIRU wireline, RIH w/ gauge ring, POOH, RIH w/ CIBP, set @ 5280' (top of perms 5330'), POOH
3. RIH w/ dump bailer and spot 4 sxs (35') of cement on top of CIBP, POOH
4. RIH and tag TOC. Record depth of TOC. RD WL
5. TIH w/ tubing (testing in)
6. Test casing. If tests good, circulate hole w/ packer fluid and biocide
Note: If casing does not test, TA operations will be postponed and the well evaluated for P&A.
7. TOOH w/ tubing while scanning. Perform MIT
8. TA well

Contact NMOCD 24 hours prior to performing MIT test.

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 12/2017

Spud Date: 8/14/1960

Rig Release Date: 9/9/1960

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

SIGNATURE Alicia Fulton TITLE Sr. Staff Reg Analyst DATE 11/8/2018

Type or print name Alicia Fulton E-mail address: alicia.fulton@apachecorp.com PHONE: (432) 818-1062

For State Use Only

APPROVED BY: [Signature] TITLE STAFF mgr DATE 11-14-18
Conditions of Approval (if any):

Apache Corporation

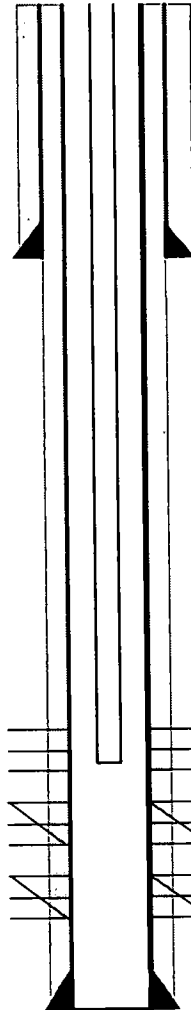
Work Objective _____ Current _____

Region Office _____ Permian / Midland
District /Field Office _____ NW District
AFE Type _____

| | | | |
|------------|-----------------|------------|--------------|
| Start Date | TBD | End Date | TBD |
| Lease | Empire Abo Unit | KB/GL | 3474/3484' |
| Well Name | Empire Abo Unit | Well No. | #005D |
| Field | Empire (BP) | TD @ | 5708' |
| County | Eddy | PBTD @ | 5694' |
| State | New Mexico | ETD @ | |
| AFE # | TBD | API # | 30-015-00902 |
| Gross AFE | TBD | Spud Date | 8/14/1960 |
| Apache WI | 37.833400% | Comp. Date | 9/13/1960 |

| Description | O.D. | Grade | Weight | Depth | Cmt Sx | TOC |
|--------------|--------|-------|--------|-------|--------|------|
| Surface Csg | 8 5/8" | J-55 | 32# | 1519' | 945 sx | Surf |
| Inter Csg | | | | | | |
| Prod Csg | 4 1/2" | J-55 | 9.5# | 5708' | 800 sx | Surf |
| Casing Liner | | | | | | |

11" hole



7 7/8" hole

TD: 5708'

| Date | Zone | Actual Perforations | JSPF | Total Perfs |
|-----------|------|---|------|-------------|
| 9/9/1960 | Abo | 5555-5579' | 2 | 48 |
| 11/3/1993 | Abo | 5414-5534' | 2 | 63 |
| 12/8/2000 | Abo | 5330, 40, 56, 72, 74, 84, 5414, 16, 28, 30, 40, 52, 60, 70, 80' | 2 | 15 |
| | | | | |
| | | | | |
| | | | | |

| Date | Zone | Stimulation / Producing Interval | Amount |
|------------|------|--|--------|
| 9/9/1960 | Abo | Acidize 5555-5579' w/6000 gal acid | |
| 3/8/1964 | Abo | Frac 5555-5579' w/ 40,000 gal lease crude and 23,100# 20-40 sd and tailed in with 5000# 12-20 glass beads | |
| 11/9/1993 | Abo | Acidize 5555-5579' w/1500 gal 50/50 acid/xylene | |
| 11/15/1993 | Abo | Acidize 5414-5534' w/3500 gal 15% NEFE acid, 1000# salt block in front of acid and 1000# salt block mid way in acid | |
| 12/8/2000 | Abo | Acidize well w/ 2000 gal 15% NEFE HCL & 100 ball sealers. Frac'd w/ 73,000# 16/30 wht sd, 27,500# 16/30 resin coated | |
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| Well History / Failure | |
|---|--|
| 12/00: Squeeze perfs 5414-5579' w/ 230 ax cmt | |
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Apache Representative _____

Contract Rig/Number _____

Apache Engineer _____

Alex Hernandez _____

Operator _____

Apache Corporation

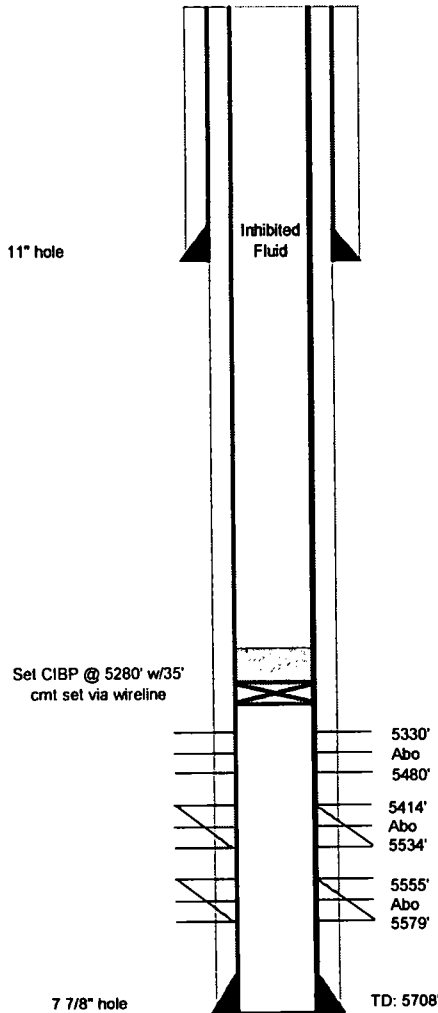
Work Objective

Proposed

Region Office Permian / Midland
District /Field Office NW District
AFE Type

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Apache Representative

Contract Rig/Number

Apache Engineer

Alex Hernandez

Operator