

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. 30-015-40113 |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. 309175 |
| 7. Lease Name or Unit Agreement Name WASHINGTON 33 STATE |
| 8. Well Number 51 |
| 9. OGRID Number 873 |
| 10. Pool name or Wildcat ARTESIA; GLORIETA-YESO (O) (96830) |

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 H : 1650 feet from the N line and 885 feet from the E line
Section 33 Township 17S Range 28E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3682 GL

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

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|--|--|
| PERFORM REMEDIAL WORK <input checked="" 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: add perms and acidize and frac <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 approval to perform the following work

Current perms 3533-3938
add perms @ +/- 4080-4520 ✓

wbd current and proposed attached
procedures attached.

AB

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 10 2019

RECEIVED

Spud Date: 06/05/2012

Rig Release Date: 06/12/2012

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 9/9/2019

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 DATE 9/11/19

Conditions of Approval (if any):

Apache Corporation

Work Objective

Perf & Frac Blinetry

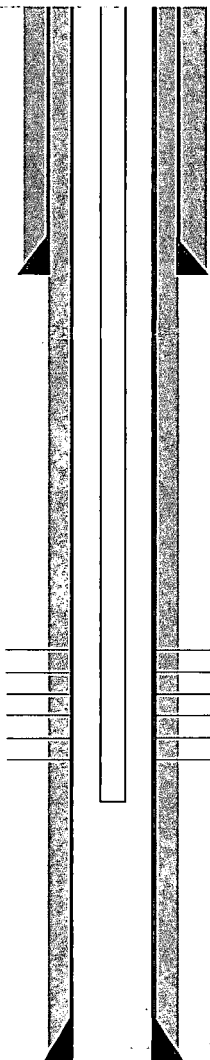
current

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

| | | | |
|------------|----------------------|------------|--------------|
| Start Date | TBD | End Date | TBD |
| Lease | Washington 33 State | KB/GL | 3693/3682' |
| Well Name | Washington 33 St #51 | Well No. | #51 |
| Field | Empire (BP) | TD @ | 5100' |
| County | Eddy | PBTD @ | 5100' |
| State | New Mexico | ETD @ | |
| AFE # | 11-19-XXXX | API # | 30-015-40113 |
| Gross AFE | ??? | Spud Date | 5/10/2012 |
| Apache WI | 100.000000% | Comp. Date | 6/12/2012 |

| Description | O.D. | Grade | Weight | Depth | Cmt Sx | TOC |
|--------------|--------|-------|--------|-------|--------|---------------------|
| Surface Csg | 8 5/8" | J-55 | 24# | 411' | 950 sx | Circ 10 bbl to surf |
| Inter Csg | | | | | | |
| Prod Csg | 5 1/2" | J-55 | 17# | 5100' | 900 sx | Circ 180 sx to surf |
| Casing Liner | | | | | | |

12 1/4" hole



| Date | Zone | Actual Perforations | JSPF | Total Perfs |
|-----------|---------------|--|------|-------------|
| 6/12/2012 | Glorieta-Yeso | 3533, 45, 84, 95, 3615, 30, 48, 64, 85, 3704, 33, 43, 48, 60, 88, 3804, 20, 35, 47, 70, 80, 91, 3908, 22, 38 | 1 | 25 |
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| Date | Zone | Stimulation / Producing Interval | Amount |
|-----------|---------------|--|--------|
| 6/12/2012 | Glorieta-Yeso | Stimulate 3533-3938' w/ 3500 gal 15% HCL; frac w/ 200 klbs 16/30 WHT & 3600 bbls water | |
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| Well History / Failure | |
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7 7/8" hole

TD: 5100'

Apache Representative

Contract Rig/Number

Apache Engineer

Evan Roback

Operator

Apache Corporation

Work Objective

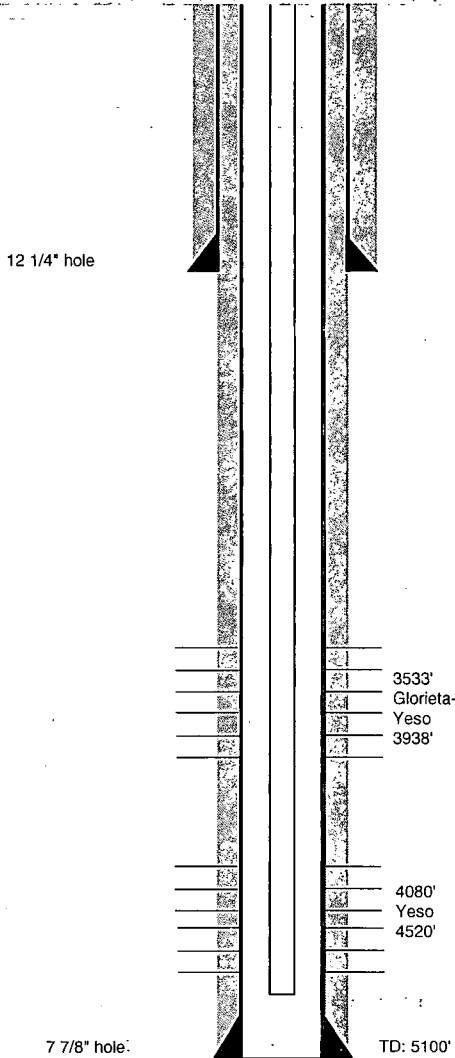
Perf & Frac Blinetry

Proposed

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

| | | | |
|------------|----------------------|------------|--------------|
| Start Date | TBD | End Date | TBD |
| Lease | Washington 33 State | KB/GL | 3693/3682 |
| Well Name | Washington 33 St #51 | Well No. | #51 |
| Field | Empire (BP) | TD @ | 5100' |
| County | Eddy | PBTD @ | 5100' |
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| AFE # | 11-19-XXXX | API # | 30-015-40113 |
| Gross AFE | ??? | Spud Date | 5/10/2012 |
| Apache WI | 100.000000% | Comp. Date | 6/12/2012 |

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|--------------|--------|-------|--------|-------|--------|---------------------|
| Surface Csg | 8 5/8" | J-55 | 24# | 411' | 950 sx | Circ 10 bbl to surf |
| Inter Csg | | | | | | |
| Prod Csg | 5 1/2" | J-55 | 17# | 5100' | 900 sx | Circ 180 sx to surf |
| Casing Liner | | | | | | |



| Date | Zone | Actual Perforations | JSPF | Total Perfs |
|-----------|---------------|--|------|-------------|
| 6/12/2012 | Glorieta-Yeso | 3533, 45, 84, 95, 3615, 30, 48, 64, 85, 3704, 33, 43, 48, 60, 88, 3804, 20, 35, 47, 70, 80, 91, 3908, 22, 38 | 1 | 25 |
| 9/15/2019 | Yeso | 4080-4520 | 2 | -60 |
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| Date | Zone | Stimulation / Producing Interval | Amount |
|-----------|---------------|---|--------|
| 6/12/2012 | Glorieta-Yeso | Stimulate 3533'-3938' w/ 3500 gal 15% HCL; frac w/ 200 klbs 16/30 WHT & 3600 bbls water | |
| 9/15/2019 | Yeso | Stimulate 4080'-4520' w/ 2500 gal 15% HCL; frac w/ 200 klbs 20/40 & 2500 bbls water | |
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| Well History / Failure | |
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Apache Representative _____ Contract Rig/Number _____
 Apache Engineer Evan Roback _____ Operator _____



BLINEBRY PERF & FRAC PROCEDURE:

1. MIRU workover rig.
2. POOH w/ rods and pump. Report preliminary findings of the pump and rods (paraffin, scale, sand, rod wear, etc.).
3. Pump produced water as necessary to ND pumping tee. NU BOP (2-7/8" rams on top and blinds on bottom) and function test. Release TAC (if not set, please note in WellView).
4. TIH w/ tubing string and tag for fill. If necessary, TIH w/ bit and tubing to CO well
5. TOOH w/ tubing and BHA while scanning.
6. MIRU WL. RIH w/ gauge ring. POOH and correlate w/ logs.
7. RIH w/ perf gun to shoot ~60 perforations in the Blinebry from (+/-) 4080' to 4520' at 2 SPF and 120 degree phasing using charges that generate 0.37"-0.42" diameter hole with a minimum of 21' penetration.
8. POOH w/ perf gun. RDMO wireline unit.
9. TIH w/ packer and tubing while hydro-testing. We will not be using an RBP for this well. Set packer at +/- 4350'.
10. MIRU acid crew. Verify acid concentration is 15% +/- 1% (titrate). If possible request additives such as inhibitors, surfactants, and iron sequesterant are mixed on location to verify they are present. Verify iron concentration is less than 100 ppm in acid. Circulate tank for 15 minutes to mix additives into solution.
11. Acidize the Blinebry to break down perfs per Cudd prog. Test lines to 4,500 psi (MSTP = 3500 psi), bleed off. Set pressure safety valve at 4,500. Establish rate at 3-5bbl/min with brine water. Acidize with 2,500 gallons of NEFE 15% HCl acid. Ball out with 90 balls. RDMO acid crew.
12. NU frac valve. MIRU frac crew. Frac Blinebry per Cudd prog. RDMO frac crew.
13. RD frac valve and frac spool. NU prod spool and BOP. RIH w/ bailer, CO to PBTD. POOH w/ tubing and bailer.
14. TIH w/ production BHA and tubing while hydro-testing.
15. RIH w/ pump and rods.
16. RTP.