

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. 30-015-40159
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 57
9. OGRID Number 873
10. Pool name or Wildcat ARTESIA;GLORIETA-YESO (O)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3668 GL

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 J : 1565 feet from the S line and 1750 feet from the E line
 Section 33 Township 17S Range 28E NMPM County EDDY

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: add perfs and acidize and frac <input type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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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 amend current C-103 approval to the attached procedures

Current perfs 3602-4237
 add pefs @ +/- 4430-4840 ✓

wbd current and proposed attached procedures attached.

AB

NM OIL CONSERVATION
 ARTESIA DISTRICT

SEP 10 2019

RECEIVED

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 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 Mgr DATE 9/11/19

Conditions of Approval (if any):



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 (+/-) 4430' to 4840' 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 PBTB. POOH w/ tubing and bailer.
14. TIH w/ production BHA and tubing while hydro-testing.
15. RIH w/ pump and rods.
16. RTP.

Apache Corporation

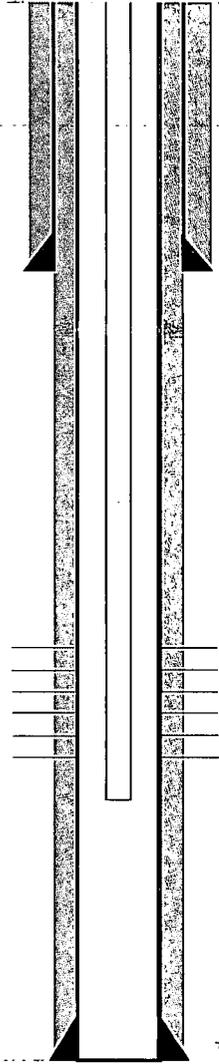
Work Objective _____ Perf & Frac Blinetry _____

Current

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

Start Date	TBD	End Date	TBD
Lease	Washington 33 State	KB/GL	3679/3668'
Well Name	Washington 33 St #57	Well No.	#57
Field	Empire (BP)	TD @	5150'
County	Eddy	PBTD @	5150'
State	New Mexico	ETD @	
AFE #	11-19-XXXX	API #	30-015-40159
Gross AFE	???	Spud Date	12/20/2012
Apache WI	100.000000%	Comp. Date	1/15/2013

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8 5/8"	J-55	24#	411'	340	Circ 30 bbl to surf
Inter Csg						
Prod Csg	5 1/2"	J-55	17#	5150'	790 sx	Circ 78 sx to surf
Casing Liner						



12 1/4" hole

7 7/8" hole

TD: 5150'

3602'
 Glorieta-
 Yeso
 4237'

Date	Zone	Actual Perforations	JSPF	Total Perfs
1/15/2013	Glorieta-Yeso	3602, 25, 43, 55, 67, 82, 99, 3716, 38, 50, 90, 3813, 37, 51, 71, 86, 3906, 28, 47, 66, 78, 90, 4008, 22, 34, 52, 66, 92, 4105, 38, 62, 4205, 37	1	33

Date	Zone	Stimulation / Producing Interval	Amount
1/15/2013	Glorieta-Yeso	Stimulate 3602'-4237' w/ 3200 gal 15% HCL; frac w/ 276 klbs 16/30 WHT & 4900 bbls water	

Well History / Failure	

Apache Representative _____ Contract Rig/Number _____
 Apache Engineer Evan Roback Operator _____

Apache Corporation

Work Objective

Perf & Frac Blinetry

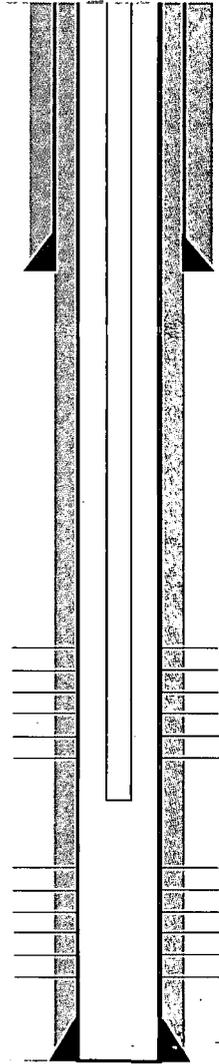
proposed

Region Office
District /Field Office
AFE Type

Permian / Midland
W District

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9/15/2019	Yeso	4430-4840	2	-60

Date	Zone	Stimulation / Producing Interval	Amount
1/15/2013	Glorieta-Yeso	Stimulate 3602'-4237' w/ 3200 gal 15% HCL; frac w/ 276 klbs 16/30 WHT & 4900 bbbls water	
9/15/2019	Yeso	Stimulate 4430'-4840' w/ 2500 gal 15% HCL; frac w/ 200 klbs 20/40 & 2500 bbbls water	

Well History / Failure	

Apache Representative _____ Contract Rig/Number _____
 Apache Engineer Evan Roback Operator _____