

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. 30-015-40112
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. X0-0647-0411
7. Lease Name or Unit Agreement Name WASHINGTON 33 STATE [309175]
8. Well Number 62
9. OGRID Number 873
10. Pool name or Wildcat [96830] ARTESIA; GLORIETA-YESO (O)

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 M 330 feet from the SOUTH line and 895 feet from the WEST line
Section 33 Township 17S Range 28E NMPM County EDDY

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3673' GL

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: DO CIBP & ACIDIZE ☒

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 is requesting permission to drill out the CIBP and 35' of cement & acidize the Glorieta/Paddock/Blaineby

WELLBORE DIAGRAMS AND PROCEDURES ENCLOSED

RECEIVED

AUG 20 2019

DISTRICT/ARTESIA/O.C.D.

Spud Date: 06/13/2012

Rig Release Date: 06/18/2012

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

SIGNATURE alicia fulton

TITLE Reg Analyst

DATE 8/15/2019

Type or print name Alicia

E-mail address: alicia.fulton@apachecorp.com

PHONE: (432) 818-1088

For State Use Only

APPROVED BY: Raymond J. Delaney

TITLE Geo/09/34

DATE 8-27-19

Conditions of Approval (if any):



AFE: 11-19-0858

Well name: Washington 33 State #62

API Number: 30-015-40112

County, State: Eddy, NM

Legals: SEC-33 TWP-17S RGE-28E

Depths: 5095 MD 4390 PBTB

Producing Interval: 3535'-4287' (Glorietta-Yeso)

CSG	OD	Wt/Ft	Cap (bbl/ft)	Top	Set @
Surface	8.625"	24#	0.0609	0'	493'
Production	5.500"	17#	0.0232	0'	5095'

Engineer: Evan Roback 432-818-1186 (o)

evan.roback@apachecorp.com

Assistant Foreman: David Pedroza 575-910-3283 (c)

david.pedroza@apachecorp.com

Production Foreman: Javier Berdoza 575-441-5755 (c)

javier.berdoza@apachecorp.com**What's New:**

- 1) *Drill out cast iron bridge plug w/ 35' cmt @ 4295'*
- 2) *Acidize Blinebry perforations (4450'-4850') w/ 9,000 gallons of 15% HCl and 6,000 lbs salt.*
- 3) *Acidize Glorietta/Paddock perforations (3535'-4287') w/ 12,000 gallons of 15% HCl and 8,000 lbs salt.*
- 4) *Lower SN to 4880'.*
- 5) *Install 1-1/2" rod pump w/ 2-stage, HVR, brass Ni-carb bbl and brass pull tube, alternate (California) ball and seats.*
- 6) *Inspect and replace rods with customer owned as necessary.*
- 7) *Inspect and replace tubing with customer owned as necessary.*

WELL HISTORY

The Washington 33 State #62 is a vertical well completed in the Blinebry with 210 klbs of 16/30 sand and 155,000 gallons of water in 8/2012. Due to offset wells seeing higher productivity from the Glorietta & Paddock, the Blinebry was isolated via CIBP in 1/2013 after approximately 4 months of production. The Glorietta/Paddock were then fracked with 250 klbs sand and 189,000 gallons of water. Production increased from 6 BOPD in the Blinebry to 68 BOPD in the Glorietta/Paddock.

This well was pulled in 5/2017 due to suspected HIT. The workover found bad tubing due to corrosion/wear, 2 holes in the blast joint, and two joints plugged with frac sand. In 4/2018 the well was pulled due to suspected HIT again. The workover found a hole in the blast joint.

WORKOVER SUMMARY:

The objective of this AFE is to POOH w/ rods and pump. TOOH w/ tubing while scanning. TIH w/ tubing and bit to DO CIBP and 35' cmt, continue CO to TD. Acidize Blinebry & Glorietta/Paddock w/ 21,000 gal 15% HCl with 14,000-lbs salt. TIH w/ tubing while hydro-testing, RIH w/ pump and rods. RTP.

8/14/2019



AFE: 11-19-0858

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 5k double BOP (2-7/8" rams on top and blinds on bottom) and function test. Release TAC (if not set, please note in WellView).
4. TOOH w/ tubing and BHA while scanning.
5. MIRU foam air unit. TIH w/ tubing & 4-3/4" bit to PBTD. DO 35' of cement and CIBP. Continue CO to TD @ 5095'. TOOH w/ bit and tubing.
6. TIH w/ RBP, packer, and tubing while hydro-testing. Set RBP at +/- 4900'. Pull up hole and set packer at +/- 4350', test backside.
7. 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.
8. Acidize the Blinebry. 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 9,000 gallons of NEFE 15% HCl acid with 6,000 lbs rock salt in six stages as follows. We may adjust salt volumes based on pressure responses.

PARAMETERS	STAGE						Total
	1	2	3	4	5	6	
Rate (bbl/min)	4.5	4.5	4.5	4.5	4.5	4.5	
Max Surface Pressure (psi)	3,500	3,500	3,500	3,500	3,500	3,500	
FLUID/STAGE							
Acid - 15% HCl (gal)	1,500	1,500	1,500	1,500	1,500	1,500	9,000
Salt / Concentration (#, #/bbl)**	500	500	500	1,000	1,500	2,000	6,000
Brine Spacer (bbls)	51	51	51	51	51	51	253
Total Volume (bbls)	86	86	86	86	86	86	431
Total Time (min)	19	19	19	19	19	19	96

9. Release packer, TIH to release RBP. Come up hole and set RPB at +/- 4320'. Pull up hole and set packer at +/- 3500', test backside.
10. Acidize the Glorietta/Paddock. 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 12,000 gallons of NEFE 15% HCl acid with 8,000 lbs rock salt in six stages as follows. We may adjust salt volumes based on pressure responses.



AFE: 11-19-0858

PARAMETERS	STAGE						Total
	1	2	3	4	5	6	
Rate (bbl/min)	4.5	4.5	4.5	4.5	4.5	4.5	
Max Surface Pressure (psi)	3,500	3,500	3,500	3,500	3,500	3,500	
FLUID/STAGE							
Acid - 15% HCl (gal)	2,000	2,000	2,000	2,000	2,000	2,000	12,000
Salt / Concentration (#, #/bbl)**	500	1,000	1,000	1,500	2,000	2,000	8,000
Brine Spacer (bbls)	51	51	51	51	51	51	253
Total Volume (bbls)	98	98	98	98	98	98	491
Total Time (min)	22	22	22	22	22	22	109

11. Release packer, TIH to release RPB, TOOH w/ tubing, packer, and RBP.
12. TIH w/ production BHA and tubing while hydro-testing. Lower SN to 4880'.
13. RIH w/ pump and rods.
14. RTP.

Apache Corporation

Work Objective

DO CIBP & Acidize

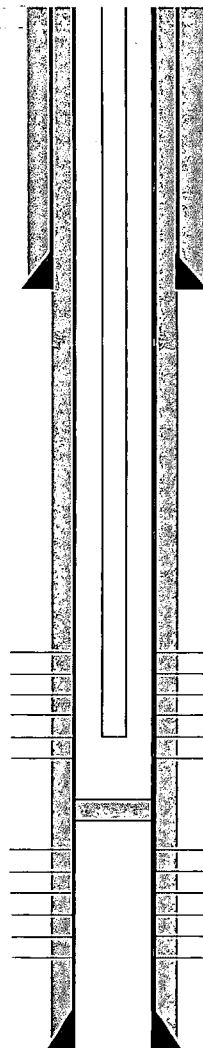
CURRENT

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

Start Date	TBD	End Date	TBD
Lease	Washington 33 State	KB/GL	3684/3673'
Well Name	Washington 33 St #62	Well No.	#62
Field	Empire (BP)	TD @	5095'
County	Eddy	PBTD @	4390'
State	New Mexico	ETD @	
AFE #	11-19-0858	API #	30-015-40112
Gross AFE	113,000	Spud Date	6/13/2012
Apache WI	100.000000%	Comp. Date	8/21/2012

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	8 5/8"	J-55	24#	493'	350 sx	Circ 50 sx to surf
Inter Csg						
Prod Csg	5 1/2"	J-55	17#	5095'	790 sx	Circ 65 bbl cmt to surf
Casing Liner						

12 1/4" hole



7 7/8" hole

CIBP 4390'

4450'
Yeso
4850'

TD: 5095'

Date	Zone	Actual Perforations	JSPF	Total Perfs
8/21/2012	Yeso	4450, 60, 70, 80, 90, 4500, 10, 20, 30, 40, 50, 60, 70, 80, 90, 4600, 4750, 60, 70, 80, 90, 4800, 10, 20, 30, 40, 50	1	27
1/18/2013	Glorieta-Yeso	3535, 51, 63, 80, 93, 3639, 49, 72, 3702, 32, 41, 58, 73, 82, 3802, 12, 23, 36, 61, 77, 95, 3920, 31, 57, 72, 4006, 38, 48, 60, 76, 4200, 35, 70, 87	1	30

Date	Zone	Stimulation / Producing Interval	Amount
8/21/2012	Yeso	Stimulate 4450-4850' w/ 3500 gal 15% HCL; frac w/ 210 klbs 16/30 WHT & 3700 bbls water	
1/18/2013	Glorieta-Yeso	Stimulate 3535-4287' w/ 3652 gal 15% HCL; frac w/ 250 klbs 16/30 WHT & 4500 bbls water	

Well History / Failure	
1/13 - Ran CIBP to 4425' w/ 35' of CMT, perf and stim Glorieta/Paddock	
5/17 - HIT, found paraffin & corrosion	
4/18 - HIT	

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

Apache Corporation

PROPOSED

Work Objective

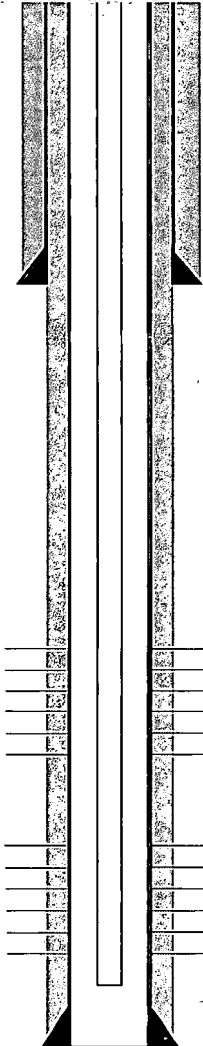
DO CIBP & Ackize

Region Office Permian / Midland
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Casing Liner						

12 1/4" hole



7 7/8" hole

TD: 5095'

Date	Zone	Actual Perforations	JSPF	Total Perfs
8/21/2012	Yeso	4450, 60, 70, 80, 90, 4500, 10, 20, 30, 40, 50, 60, 70, 80, 90, 4600, 4750, 60, 70, 80, 90, 4800, 10, 20, 30, 40, 50	1	27
1/18/2013	Glorieta-Yeso	3535, 51, 63, 80, 93, 3639, 49, 72, 3702, 32, 41, 58, 73, 82, 3802, 12, 23, 36, 61, 77, 95, 3920, 31, 57, 72, 4006, 38, 48, 60, 76, 4200, 35, 70, 87	1	30

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