

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

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. 30-015-40114
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 Washington 33 State [309175]
4. Well Location Unit Letter <u>L</u> : 1600 feet from the <u>South</u> line and 1090 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>55</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3675' GL		9. OGRID Number 873
		10. Pool name or Wildcat Artesia; Glorieta-Yeso (O) [96830]

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 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 perfs and acidize <input checked="" 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 add perfs and acidize

Add perforations to well at 3500-4321' (1 JSPF - 48 holes).

Acidize existing perforations and new perforations w/ 5000 gallons of 20% HCl and 10,000 lbs rock salt

procedures attached

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 26 2018

RECEIVED

Spud Date: 08/12/2012

Rig Release Date: 08/18/2012

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

SIGNATURE Alicia Fulton TITLE Sr. Staff Reg Analyst DATE 7/20/2018

Type or print name Alicia Fulton E-mail address: alicia.fulton@apachecorp.com PHONE: (432) 818-1088

For State Use Only

APPROVED BY: Raymond R. Padany TITLE Geologist DATE 7-27-18
Conditions of Approval (if any):



AFE: 11-18-0979

Well name: Washington 33 State 55

API Number: 30-015-40114

County, State: Eddy, NM

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

Depths: 5154 MD 5109 P8TD

Producing Interval: 3520 - 4920' Blinebry/Paddock

CSG	OD	Wt/Ft	Cap (bbl/ft)	Top	Set @
Surface	8.625"	24#	0.0636	0'	515
Production	5.500"	17#	0.0232	0'	5109

Engineer: David Cummings

davidr.cummings@apachecorp.com

Assistant Foreman: David Pedroza

david.pedroza@apachecorp.com

Production Foreman: Javier Berdoza

javier.berdoza@apachecorp.com

What's New:

- 1) Add perforations to well at 3500-4321' (1 JSPF – 48 holes).
- 2) Acidize existing perforations and new perforations w/ 5000 gallons of 20% HCl and 10,000 lbs rock salt.
- 3) Install 1-1/2" rod pump w/ 2-stage, HVR, brass Ni-carb bbl and brass pull tube, alternate (California) ball and seats.
- 4) Inspect and replace rods with customer owned as necessary.
- 5) Inspect and replace tubing with customer owned as necessary.

5/23/2018



AFE: 11-18-0979

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. TIH w/ tubing 4-1/2" mill and casing scraper to PBTD, TOOH. If there are significant solids LD mill and TIH w/ tubing bailer (recover samples if possible to test).
5. MIRU EWL, RIH w/ gauge ring, POOH, correlate w/ previous logs.
6. RIH to shoot perforations at 1 JSPF between 4321'-3506' (intervals below) using charges that generates a 0.37"- 0.42" diameter hole with a minimum of 21" penetration. RDMO EWL.
 - 3506 - 3512 • 3604 - 3607 • 3680 - 3685
 - 3522 - 3524 • 3615 - 3617 • 3702 - 3706
 - 3545 - 3550 • 3624 - 3626 • 4308 - 4313
 - 3565 - 3567 • 3656 - 3664 • 4317 - 4321
7. TIH w/ RBP, packer and tubing while hydro-testing, set RBP, and set at 4350, test RBP.
8. Pull up hole, and set packer at 3475', test backside.
9. MIRU acid crew. Verify acid concentration is 20% +/- 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.
10. Acidize the Blinebry/Tubb and Blinebry. Test lines to 4,500 psi (MSTP = 3500 psi), bleed of. Set pressure safety valve at 4,500. Establish rate at 3-5bbl/min with brine water. Acidize with 5,000 gallons of NEFE 20% HCl acid, 10,000 lbs of rock salt, 400 bbls of treated brine water spacer, and Baker Super A-Sol) as follows:

	STAGE										
PARAMETERS	1		2		3		4		5		Total
Rate (bbl/min)	4		5		5		5		5		
Max Surface Pressure (psi)	3,500		3,500		3,500		3,500		3,500		
FLUID/STAGE											
Acid - 20% HCl (gal)	1,000		1,000		1,000		1,000		1,000		5,000
Rock Salt (lbs)	1,500		2,000		3,000		3,500		-		10,000
Concentration (lbs/gal)	1		1.5		1.5		2		-		
Brine Water (bbls)	36		32		48		42		-		157
Brine Spacer (bbls)		41		41		41		41		41	165
Total Volume (bbls)	78		74		89		84		42		324
Total Time (min)	19		15		18		17		8		69

5/23/2018



AFE: 11-18-0979

11. Release packer, retrieve RBP, TOOH w/ BHA and tubing.
12. TIH w/ production BHA and tubing while hydro-testing.
13. RIH w/ pump and rods
14. Slow unit down to match design, put well on test for one week.
15. RTP.

5/23/2018

**Apache Corp.
Current Wellbore**

GROUP: Permian North
FIELD: Artesia (BP)
LEASE/UNIT: Washington 33 State
COUNTY: Eddy
API: 30-015-40114

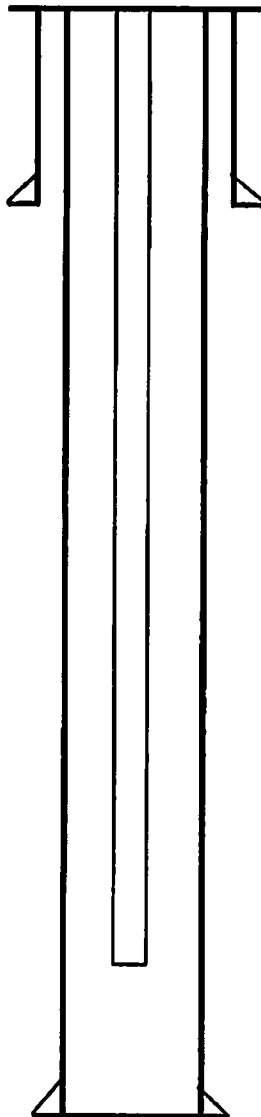
DATE: May. 22, 2018
BY: S Hardin
WELL: #55
STATE: New Mexico

Spud Date: 8/12/2012
 Rig Release Date: 8/18/2012
 Completion Date: 10/4/2012

KB = 11'
 GL = 3675'

12-1/4"

7-7/8"



8-5/8" 24# J-55 Set @ 515'
 CMT W/ 360 SX (SURF/CIRC)

2-7/8 6.5# J-55 TUBING

PADDOCK
 3520'-4000' (1 JSPF, 25 holes)

BLINEBRY
 4300'-4920' (1JSPF, 29 holes)

5-1/2" 17# J-55 Set @ 5154'
 CMT W/ 720 (SURF/CIRC)

Proposed 5/21/2018

3506	3512	6
3522	3524	2
3545	3550	5
3565	3567	2
3604	3607	3
3615	3617	2
3624	3626	2
3656	3664	8
3680	3685	5
3702	3706	4
4308	4313	5
4317	4321	4
Total		48

TD: 5154'
 PBTD: 5109'