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

WELL API NO.
30-015-39884

5. Indicate Type of Lease
STATE ☑ FEE ☐

6. State Oil & Gas Lease No.
X0-0647-0408

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)

7. Lease Name or Unit Agreement Name
Washington 33 State [309175]

1. Type of Well: Oil Well ☑ Gas Well ☐ Other

8. Well Number 034

2. Name of Operator
Apache Corporation

9. OGRID Number
873

3. Address of Operator
303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705

10. Pool name or Wildcat
Artesia; Glorieta-Yeso (O) [96830]

4. Well Location
Unit Letter I : 1480 feet from the South line and 1040 feet from the East line
Section 33 Township 17S Range 28E NMPM County Eddy

11. Elevation (*Show whether DR, RKB, RT, GR, etc.*)
3667' GL

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☑	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			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 perform a workover on this well due to a suspected HIT, per the attached.

RECEIVED

JUL 19 2018

DISTRICT II-ARTESIA O.C.D.

Spud Date: 7/19/2012 Rig Release Date: 7/26/2012

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

SIGNATURE Reesa Fisher TITLE Sr. Staff Reg Analyst DATE 6/26/2018

Type or print name Reesa Fisher E-mail address: Reesa.Fisher@apachecorp.com PHONE: (432) 818-1062

For State Use Only

APPROVED BY: Raymond K Rodney TITLE Geologist DATE 7-19-18

Conditions of Approval (if any):

Apache

AFE: 11-18-1028

WORKOVER SUMMARY:

The well failed due to suspected HIT. The tentative repair plan is as follows; POOH w/ rods, TOOH w/ tubing, DO CIBP, add perforations, acidize formation, TIH w/ tubing, RIH w/ rods, RTP.

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. TIH w/ 4 3/4" bit and DO CIBP. TOOH & LD bit.
6. 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).
7. MIRU WL, RIH w/ gauge ring, POOH, correlate w/ previous logs.
8. RIH to shoot perforations at 4 JSPF between 3930'-3587' (intervals below) using charges that generates a 0.37"- 0.42" diameter hole with a minimum of 21" penetration. RDMO WL.

• 3587-3592	• 3639-3643	• 3696-3698	• 3804-3822	• 3928-3930
• 3598-3602	• 3664-3674	• 3706-3708	• 3833-3839	
• 3611-3613	• 3685-3690	• 3710-3712	• 3890-3895	

9. TIH w/ RBP, packer and tubing while hydro-testing, set RBP at 5060', pull up hole, and set packer at 4320'.
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. 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 2,500 gallons of NEFE 15% HCl acid, 2,500 lbs of rock salt, 250 bbls of treated brine water spacer, and Baker Super A-Sol) as follows:

	STAGE								
PARAMETERS	1		2		3		4		Total
Rate (bbl/min)	3		4		4		4		
Max Surface Pressure (psi)	3,500		3,500		3,500		3,500		
FLUID/STAGE									
Acid - 15% HCl (gal)	625		625		625		625		2,500
Rock Salt (lbs)	833		833		833		0		2,500
Concentration (lbs/gal)	1		1.5		1.5		0		
Brine Water (bbls)	20		13		13		0		46
Brine Spacer (bbls)		49		49		49		49	197
Total Volume (bbls)	69		63		63		50		245
Total Time (min)	23		16		16		12		67

12. Release packer, retrieve RBP, pull up hole, set RBP at 4170', pull up hole, set packer at 3872'.

13. Acidize the Paddock/Upper 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 3,750 gallons of NEFE 15% HCl acid, 2,500 lbs of rock salt, 200 bbls of treated brine water spacer, and Baker Super A-Sol) as follows:

	STAGE								
PARAMETERS	1		2		3		4		Total
Rate (bbl/min)	3		4		4		4		
Max Surface Pressure (psi)	3,500		3,500		3,500		3,500		
FLUID/STAGE									
Acid - 15% HCl (gal)	938		938		938		938		3,750
Rock Salt (lbs)	833		833		833		0		2,500
Concentration (lbs/gal)	1		1.5		1.5		0		
Brine Water (bbls)	20		13		13		0		46
Brine Spacer (bbls)		37		37		37		37	149
Total Volume (bbls)	58		51		51		38		198
Total Time (min)	19		13		13		9		54

14. Release packer, retrieve RBP, pull up hole, set RBP at 3872', pull up hole, set packer at 3565'.

15. Acidize the Paddock/Upper 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 3,750 gallons of NEFE 15% HCl acid, 2,500 lbs of rock salt, 200 bbls of treated brine water spacer, and Baker Super A-Sol) as follows:

	STAGE								
PARAMETERS	1		2		3		4		Total
Rate (bbl/min)	3		4		4		4		
Max Surface Pressure (psi)	3,500		3,500		3,500		3,500		
FLUID/STAGE									
Acid - 15% HCl (gal)	938		938		938		938		3,750
Rock Salt (lbs)	833		833		833		0		2,500
Concentration (lbs/gal)	1		1.5		1.5		0		
Brine Water (bbls)	20		13		13		0		46
Brine Spacer (bbls)		36		36		36		36	143
Total Volume (bbls)	56		50		50		36		192
Total Time (min)	19		12		12		9		53

Apache

AFE: 11-18-1028

16. Release packer, retrieve RBP, TOOH w/ BHA and tubing.

17. TIH w/ production BHA and tubing while hydro-testing.

18. RIH w/ 1-1/2" pump and rods.

19. Put well on test for one week.

20. RTP.

COST ESTIMATE

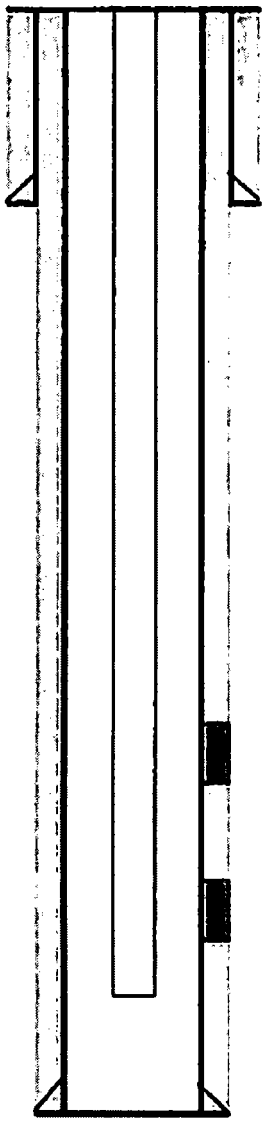
Washington 33 State #34								
Days	*4*							
Account #	Description	Qty	Day(s)	Cost/day	Subtotal	Taxes (9%)	Total Cost	AFE Cost
70011	Company Supervision		4	$500	$2,000	$180	$2,180	
70019	Contract Rigs							
	Workover		4	$3,000	$12,000	$1,080	$13,080	
	Acid Stimulation - 15% HCL	10000 gals	1	$25,000	$25,000	$2,250	$27,250	
	Wireline		1	$22,000	$22,000	$1,980	$23,980	
70031	Equipment Rental							
	BOP		1	$390	$390	$35	$425	
	Downhole tools (packer, bit)		1	$3,500	$3,500	$315	$3,815	
70187	Pump Truck Service		4	$1,000	$4,000	$360	$4,360	
70074	Trucking & Hauling		1	$2,000	$2,000	$180	$2,180	
70031	Equipment Rental		4	$40	$160	$14	$174	
71043	Pumps (rod pump repair)		1	$4,000	$4,000	$360	$4,360	
71053	Tubing		1	$4,000	$4,000	$360	$4,360	
70076	Tubular Inspection/ testing		1	$4,000	$4,000	$360	$4,360	
71032	Other Subsurface Equipment (blast jt, SN, TAC)		1	$2,000	$2,000	$180	$2,180	
	Contingency						$6,795	
	Total							$99,500

Apache Corp.
Proposed Wellbore Configuration

GROUP:	**Permian North**	**DATE:**	**Jun. 11, 2018**
FIELD:	**Artesia (BP)**	**BY:**	**AH**
LEASE/UNIT:	**Washington 33 State**	**WELL:**	**#34**
COUNTY:	**Eddy**	**STATE:**	**New Mexico**
API:	**30-015-39884**		

Spud Date: 7/19/2012
Rig Release Date: 7/26/2012
Completion Date:9/14/2012

KB = 11'
GL = 3667'



8-5/8" 24# J-55 Set @ 517'
CMT W/ 390 SX (SURF/CIRC)

2-7/8 6.5# J-55 TUBING

PADDOCK/BLINEBRY
3595'-4149' (1 JSPF, 32 holes); fraced with 250,966# of 16/30 sand

Remove CIBP @ 4300'

BLINEBRY
4350'-5040' (1 JSPF, 29 holes)

5-1/2" 17# J-55 Set @ 5096'
CMT W/ 750 SX (SURF/CIRC)

TD: 5096'
PBTD: 4265'

Proposed perfs 5/24/2018		
3587	3592	6
3598	3602	5
3611	3613	3
3639	3643	5
3664	3674	11
3685	3690	6
3696	3698	3
3706	3708	3
3710	3712	3
3804	3822	19
3833	3839	7
3890	3895	6
3928	3930	3
Total FT		80
x 4 SPF		320