

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. 30-025-41611
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No. N/A
7. Lease Name or Unit Agreement Name Monument Abo (302341)
8. Well Number 004
9. OGRID Number 873
10. Pool name or Wildcat Monument; Abo (46970)

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 3000 Midland, TX 79705	
4. Well Location Unit Letter <u>D</u> : 990 feet from the <u>North</u> line and <u>660</u> feet from the <u>West</u> line Section <u>02</u> Township <u>20S</u> Range <u>36E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3606' GR	

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: Completion ☒	

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 completed this well as follows:

04/25/2014 MIRUSU.

04/28/2014 Tag PBTD @ 7750'. Log TOC @ surface. Good cmt from surface to 5130', poor cmt @ 5130'-5750', bad cmt @ 5750'-7130', poor cmt @ 7130'-7750'. Perf Stage I - Abo @ 7483'-91', 7512'-19', 30'-40', 57'-68', 75'-81', 95'-7607', 20'-27', 36'-40', 53'-59', 76'-82' w/ 2-3 SPF, 160 holes.

04/29/2014 Acidize w/ 6000 gals 15% HCl Abo blend.

04/30/2014 Swabbing.

05/01/2014 Set CIBP @ 7475'. Perf Stage II - Abo @ 7301'-20', 60'-65', 69'-78', 96'-7402', 09'-23' w/ 2 SPF, 106 holes. Acidize w/ 4000 gals 15% HCl Abo blend.

05/02/2014 Swabbing.

05/05/2014 Perf Stage III - Abo @ 7056'-66', 7117'-25', 31'-36', 66'-71', 7200'-06', 23'-36' w/ 2 SPF, 94 holes. Acidize w/ 3500 gals Abo blend acid.

05/06/2014 -05/07/2014 Swabbing.

(Continued to Pg. 2)

Spud Date:

04/02/2014

Rig Release Date:

04/10/2014

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

SIGNATURE

TITLE Regulatory Analyst II

DATE 02/09/2015

Type or print name Fatima Vasquez

E-mail address: Fatima.Vasquez@apachecorp.com

PHONE: (432) 818-1015

For State Use Only

APPROVED BY:

TITLE Petroleum Engineer

DATE 03/20/15

Conditions of Approval (if any):

MAR 20 2015

Monument Abo #4
API #30-025-41611
Apache Corp. (873)

Completion continued.

05/08/2014 Set CIBP @ 7270'. Set cmt ret @ 6995'.
05/09/2014 Pump 200 sx cmt & sqz Upper Abo (7483'-7682'). Rev 64 sx cmt to pit. Circ clean.
05/12/2014 DO cmt & cmt ret 7052'.
05/13/2014 DO cmt, fell out of cmt @ 7240'. Tag CIBP. Circ hole clean & test to 500# - good test.
05/14/2014 Run log from 6400'-7270'. Poor cmt from 6400'-7100', good cmt from 7100'-7270'. Perf Upper Abo @ 7117'-25', 31'-36', 66'-71', 7200'-06', 23-36' w/ 2 SPF, 74 holes.
05/15/2014 Acidized perms w/ 1800 gals 15% HCl Abo blend.
05/16/2014 & 05/19/2014 Swabbing.
05/20/2014 Set cmt ret @ 6995'.
05/21/2014 Pump 100 sx cmt. Squeeze Upper Abo.
05/22/2014 DO 6' cmt & cmt ret. Circ clean.
05/23/2014 DO cmt & cmt ret to 7135'.
05/27/2014 Drill hard cmt to 7242', fell out of cmt. TIH to CIBP @ 7270'. Circ clean & test squeeze to 500# - good test.
05/28/2014 Push CIBP to 7301'. Getting cmt in returns. Squeeze communicated w/ Stage II perms. DO cmt to 7313'.
05/29/2014-05/30/2014 DO cmt.
06/02/2014 Drill hard cmt to 7350'. Do stringers to 7430'. Tag CIBP & circ clean. Test to 500#, pressure fell from 500# to 0# in 5 minutes. Set pkr @ 7250'.
06/03/2014 Swab test, release pkr.
06/04/2014 Perf Abo @ 7200'-06', 23'-36', 7301'-20', 60'-65', 69'-78', 96'-7402', 09'-23' w/ 2 SPF, 144 holes. Acidize w/ 2000 gals acid.
06/05/2014 Swab. Pull parted sandline on 2nd run. TOH w/ tbg & found live acid, rev circ acid out. Fish sandline.
06/06/2014 Swabbing.
06/09/2014 Swab & run prod tbg.
06/10/2014 Run pump & rods.
06/11/2014 Set 640 pumping unit.
06/19/2014 POP.

08/19/2014 MIRU.
08/20/2014 TOH w/ prod equip.
08/21/2014 Run ESP. Intake @ 7097' & Pump Assem. @ 7129'.
08/25/2014 Start ESP & RTP.

10/15/2014 TOH, LD prod tbg. Clean location. Well CI.

GL=3606'
KB=3619'
Spud: 4/2/14

Apache Corporation – Monument Abo #4

Wellbore Diagram – Current Status

Date : 1/20/2015

API: 30-025-41611



Surface Location K. Grisham

990' FNL & 660' FWL, Unit D
Sec 2, T20S, R36E, Lea County, NM

Surface Casing
8-5/8" 24# J-55 @ 1080' w/ 325 sxs

Swab Isolation Notes:

Stage I: 185 bbls blk wtr. FL @ 1100'. 145 bbls w/ 2% OC.
FL @ 1100'

Stage II: 125 bbls blk wtr FL @ 3100'. Swab 50 bbl fluid w/
3% OC, some gas.

Stage III: 230 bbls blk wtr. FL @ 4900'.

Stage III: swab 80 bbls blk wtr, swab dry.

Reperf 7200-7423: 175 bbls w/ 5% OC. FL @ 4300'

EOT @ 7048'
2-7/8" Tbg
No tbg in hole

5/14: Perf Abo Stage III @ 7056-66; 7117-25; 7131-36; 7166-71; 7200-06; 7223-36
w/ 2 jsp (94 holes). Acidized w/ 3500 gal 15% NEFE acid. SQZ w/ 136 sxs cmt.
5/14: Perf 7117-25, 7131-36, 7166-71, 7200-06, 7223-36 w/ 2 jsp (74 holes).
Acidized w/ 1800 gal 15% NEFE. SQZ w/ 60 sxs cmt.
6/14: Perf Abo @ 7200-06; 7223-36; 7301-20; 7360-65; 7369-78; 7396-7402; 7409-
23 w/ 2 jsfp (144 holes). Acidize w/ 2000 gals

5/14: Perf Abo Stage II @ 7301-20; 7360-65; 7369-78; 7396-7402; 7409-23 w/ 2
jsfp (106 holes). Acidized w/ 4000 gal 15% NEFE acid.
6/14: Re-perf 7200-06; 7223-36; 7301-20; 7360-65; 7369-78; 7396-7402; 7409-23
w/ 2 jsfp (144 holes). Acidized w/ 2000 gal 15% NEFE.

5/14: CIBP set @ 7270'.

5/14: Perf Abo Stage I @ 7483-91; 7512-19; 7530-40; 7557-68; 7575-81; 7595-
7607; 7620-27; 7636-40; 7653-59; 7676-82 w/ 2 jsfp (160 holes). Acidized w/ 6000
gal 15% NEFE acid.

Production Casing
5-1/2" 17# L-80 @ 7800' w/ 1460 sxs to surface

Hole Size
=11"

MKR JT
@ 5919

Hole Size
=7-7/8"

PBTD = 7754' MD
TD = 7800' MD