

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. 30-025-39067
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. BO-2287
7. Lease Name or Unit Agreement Name North Monument G/SA Unit <302708>
8. Well Number 374
9. OGRID Number 873
10. Pool name or Wildcat Eunice Monument; G-SA (23000)

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Apache Corporation	
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705	
4. Well Location Unit Letter H : 1330 feet from the North line and 1185 feet from the East line Section 25 Township 19S Range 36E NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3658' GL	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" 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: <input 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 set a CIBP over existing perforations, perf and acidize within the Grayburg, as described in the attached procedure; see also current and proposed wellbore diagrams.

Spud Date:

8/2/2009

Rig Release Date:

8/8/2009

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 8/31/2015

Type or print name Reesa Fisher

E-mail address: Reesa.Fisher@apachecorp.com

PHONE: (432) 818-1062

For State Use Only

APPROVED BY:

[Signature]

TITLE Petroleum Engineer

DATE

09/08/15

Conditions of Approval (if any):

SEP 09 2015

NMGSAU #374

API # 30-025-39067

Sec 25, T19S, R37E

Elevation: 3658' KB, 3670' GL

TD: 4,080'

PBTD: 4,056'

Casing Record: 8-5/8" 24# @ 1,267' w/ 546 sxs
 5-1/2" 17# @ 4,080' w/ 890 sxs

Perfs: Grayburg: 3,827'-3,874'; 3,916'-3,970'; 3,986-4,014'; 4,033'-4,042' (276 holes)

Objective: Set CIBP over existing perforations, perforate and sonic hammer the Grayburg, RTP.

AFE: 11-15-1768

1. MIRU unit. Kill well as necessary. ND WH. NU BOP. POOH w/ tubing.
2. TIH w/ CIBP and set @ 3810'.
3. MIRU WL. RIH w/ perforator and perforate the Grayburg at 3686'-3690'; 3696'-3706; 3750'-3761'; 3775'-3791' w/ 2 jspf 120° phasing (82 holes). TOH w/ perf guns. RDMO WL.
4. PU and RIH w/ sonic hammer on 2-7/8" production tubing to PBTD @ 3,810'.
5. MIRU acid services. Acidize down 2-7/8" J-55 tubing w/ 3,500 gals of 15% NEFE HCL w/ additives through the sonic hammer moving across the interval from 3,686'-3,791'. Drop ball and shear tool.
6. RU swab equipment and recover load and swab test perfs for fluid entry and oil cut. Report results to Midland. RD swab equipment.
7. Kill well if necessary. TOH w/ sonic hammer and 2-7/8" tubing.
8. PU and RIH w/ production tbg.
9. RDMOPU. Return well to production and place into test for 10 days.

GL=3658'
KB=3670'
Spud: 8/2/09

Apache Corporation – NMGSAU #374

Wellbore Diagram – Proposed Status

Date : 6/29/2015

API: 30-025-39067

Surface Location K. Grisham

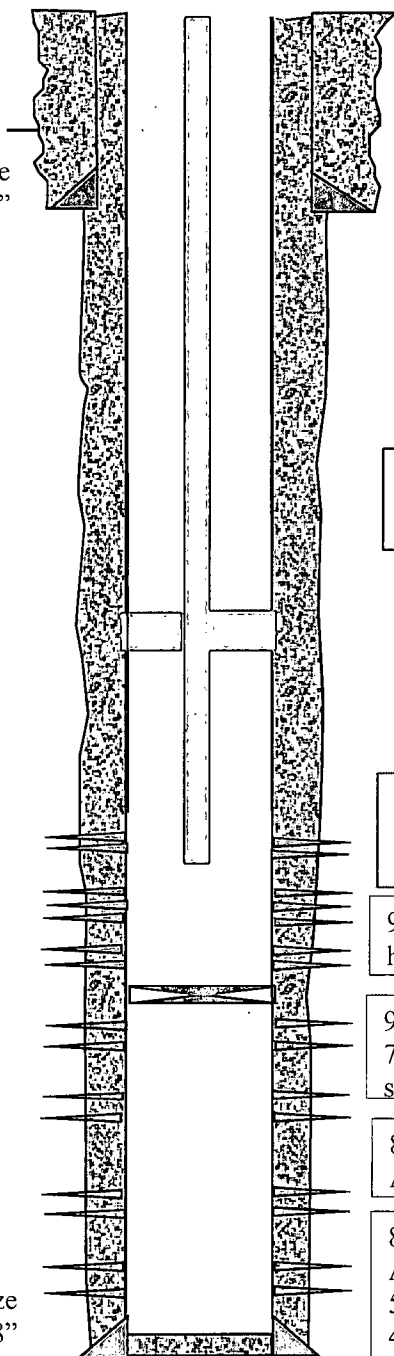


1330' FNL & 1185' FEL,
Sec 25, T19S, R36E, Lea County, NM

Surface Casing

8-5/8" 24# K-55 @ 1267' w/ 546 sx to surface

Hole Size
=12-1/4"



Hole Size
=7-7/8"

~TAC @ 3762'

~SN @ 4033'

TBD: Set CIBP @ ~3810'. Perf Grayburg fr/ 3686-3690; 3696-3706'; 3750-3761; 3775-3791' w/ 2 jspf (82 holes). Acidize w/ XXXX gals acid w/ sonic

9/09: Perf Grayburg stage IV @ 3827-41; 3860-74 w/ 2 jspf (60 holes). Acidized w/ 1500 gal 15% NEFE acid w/ sonic hammer.

9/09: Perf Grayburg stage III @ 3916-21; 3928-36; 3945-52; 3966-70 w/ 2 jspf (56 holes). Acidized w/ 1500 gal 15% NEFE acid w/ sonic hammer.

8/09: Perf Grayburg stage II @ 3986-4014 w/ 2 jspf (58 holes). Acidized w/ 1500 gal 15% NEFE acid w/ sonic hammer.

8/09: Perf Grayburg stage I @ 4033-42 w/ 2 jspf (20 holes). Acidized w/ 1000 gal 15% NEFE acid w/ sonic hammer.

5/15: Frac Grayburg (3827-4042') w/ 1200 gals 15% HCL, 45930# 40/70 White, 24165# Coolset. 1218 bbls gel. AIR 19.9 BPM.

PBTD = 4056'
TD = 4080'

Production Casing

5-1/2" 17# K-55 @ 4080' w/ 890 sxs to surface

GL=3658'
KB=3670'
Spud: 8/2/09

Apache Corporation – NMGSAU #374

Wellbore Diagram – Current Status

Date : 3/10/2015

API: 30-025-39067

Surface Location K. Grisham



1330' FNL & 1185' FEL,
Sec 25, T19S, R36E, Lea County, NM

Surface Casing

8-5/8" 24# K-55 @ 1267' w/ 546 sx to surface

Hole Size
=12-1/4"

~TAC @ 3762'

~SN @ 4033'

9/09: Perf Grayburg stage IV @ 3827-41; 3860-74 w/ 2 jspf (60 holes). Acidized w/ 1500 gal 15% NEFE acid w/ sonic hammer.

9/09: Perf Grayburg stage III @ 3916-21; 3928-36; 3945-52; 3966-70 w/ 2 jspf (56 holes). Acidized w/ 1500 gal 15% NEFE acid w/ sonic hammer.

8/09: Perf Grayburg stage II @ 3986-4014 w/ 2 jspf (58 holes). Acidized w/ 1500 gal 15% NEFE acid w/ sonic hammer.

8/09: Perf Grayburg stage I @ 4033-42 w/ 2 jspf (20 holes). Acidized w/ 1000 gal 15% NEFE acid w/ sonic hammer.

5/15: Frac Grayburg (3827-4042') w/ 1200 gals 15% HCL, 45930# 40/70 White, 24165# Coolset. 1218 bbls gel. AIR 19.9 BPM.

Hole Size
=7-7/8"

PBTD = 4056'
TD = 4080'

Production Casing

5-1/2" 17# K-55 @ 4080' w/ 890 sxs to surface