

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 87404  
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. 30-025-41037
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name North Monument G/SA Unit (302708)
8. Well Number 385
9. OGRID Number 873
10. Pool name or Wildcat Eunice Monument; G-SA (23000)
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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	
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>I</u> : 1330 feet from the <u>South</u> line and 1130 feet from the <u>East</u> line Section <u>19</u> Township <u>19S</u> Range <u>37E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

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 Sonic hammer the lower Grayburg, perforate & acidize the upper Grayburg per the attached procedure.

Spud Date:

05/06/2013

Rig Release Date:

05/11/2013

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 05/02/2014

Type or print name Fatima Vasquez

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

PHONE: (432) 818-1015

For State Use Only

APPROVED BY:

TITLE

Dist. Supervisor

DATE

5/7/2014

Conditions of Approval (if any)

MAY 07 2014

NMGSAU #385  
API # 30-025-41037  
Sec 19, T19S, R37E  
Elevation: 3693' KB, 3682' GL  
TD: 4,116'  
PBSD: 4,069' CIBP  
Casing Record: 8-5/8" 24# J-55 @ 1,310' w/ 349 sxs  
5-1/2" 17# J-55 @ 4,114' w/ 637 sxs

Perfs: Grayburg: 3849-60; 3876-85; 3890-95; 3899-3903; 3922-40 w/ 2 jspf (94 holes)

Objective: Sonic hammer the lower Grayburg, perforate and acidize the upper Grayburg, RTP.

AFE: 11-14-1637

1. MIRU unit. Kill well as necessary. Unseat pump. POOH w/ rods and pump.
2. ND WH. NU BOP. Release TAC. POOH w/ tubing.
3. PU and RIH w/ bit, bit sub, and drill collars on 2-7/8" production tubing to PBSD @ ~4,069'.
4. PU and RIH w/ sonic hammer on 2-7/8" production tubing to bottom perf @ 3,940'.
5. MIRU acid services. Acidize down 2-7/8" J-55 tubing w/ 2,500 gals of 15% NEFE HCL w/ additives through the sonic hammer moving across perforations from 3,849'-3,940'. 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. POOH w/ sonic hammer and 2-7/8" tubing.
8. MIRU WL. RIH w/ perforator and perforate the UPR Grayburg at 3688-94; 3705-14; 3769-81; 3793-3800; 3807-15 w/ 2 jspf 120° phasing (84 holes). TOOH w/ perf guns. **Correlate to Allied Wireline Compensated Neutron Litho Density Log dated 5/9/2013.** RDMO WL.
9. PU and RIH w/ RBP-PKR straddle assembly with ball catcher on WS. Set RBP and ball catcher at ± 3,845. TOOH and set PKR at 3,840 and test RBP to 1000 psi. Release PKR and TOOH and set PKR above new perforations at ± 3,640'. Test backside to 500 psi.
10. MIRU acid services. Acidize the Grayburg (3,688-3,815) down the tubing with 3000 gallons 15% NEFE w/ additives using 170 ball sealers to divert evenly spaced throughout the job as a max rate but do not exceed 4,000 psi surface treating pressure. Displace to bottom perf with 25 bbls of flush. Release PKR and knock balls off. TOH and set PKR at 3,640'.
11. RU swab equipment and recover load and swab test perfs for fluid entry and oil cut. Report results to Midland. RD swab equipment.
12. Kill well if necessary. Release PKR and TIH to RBP and ball catcher. Latch and release RBP. TOOH w/ RBP-PKR straddle assembly.
13. PU and RIH w/ production tbg and rods w/ new pump as per the Monument office specification
14. RDMOPU. Return well to production and place into test for 10 days.

GL=3682'  
KB=3693'  
Spud: 5/6/13

## Apache Corporation – NMGSAU #385

### Wellbore Diagram – Current Status

Date : 8/16/2013

API: 30-025-41037

Surface Location K. Grisham



1330' FSL & 1130' FEL, Unit I  
Sec 19, T19S, R37E, Lea County, NM

#### Surface Casing

8-5/8" 24# J-55 @ 1310' w/ 349 sx to surface

Hole Size  
=11"

TAC @ 3748'  
SN @ 4007'

Hole Size  
=7-7/8"

6/13: Perf Grayburg stage I @ 3849-60; 3876-85; 3890-95; 3899-3903; 3922-40 w/ 2 jspf (94 holes). Acidized w/ 3500 gal 15% NEFE acid

#### Production Casing

5-1/2" 17# J-55 @ 4114' w/ 637 sxs to surface

PBTD = 4069'  
TD = 4116'

GL=3682'  
KB=3693'  
Spud: 5/6/13

## Apache Corporation – NMGSAU #385

### Wellbore Diagram – Proposed Status

Date : 4/28/2014

API: 30-025-41037

#### Surface Location

R. Taylor



1330' FSL & 1130' FEL, Unit I  
Sec 19, T19S, R37E, Lea County, NM

#### Surface Casing

8-5/8" 24# J-55 @ 1310' w/ 349 sx to surface

Hole Size  
=11"

TAC @ TBD'  
SN @ TBD'

TBD: Perf Grayburg stage II @ 3688-94; 3705-14; 3769-81; 3793-3800; 3807-15 w/ 2 jspf (84 holes). Acidized w/ 3000 gal 15% NEFE acid

6/13: Perf Grayburg stage I @ 3849-60; 3876-85; 3890-95; 3899-3903; 3922-40 w/ 2 jspf (94 holes). Acidized w/ 3500 gal 15% NEFE acid

TBD: Acidize w/ 2500 gal 15% NEFE

Hole Size  
=7-7/8"

#### Production Casing

5-1/2" 17# J-55 @ 4114' w/ 637 sxs to surface

PBTD = 4069'  
TD = 4116'