

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

HOBBS OCD  
NOV 22 2011

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
NM2542 NM 90161  
6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Apache Corporation

3a. Address  
303 Veterans Airpark Lane, Suite 3000  
Midland, TX 79705

3b. Phone No. (include area code)  
432/818-1062

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
Hawk B-1 #012

9. API Well No.  
30-025-06435

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660' FSL & 1980' FEL UL O Sec 8, T21S, R37E

10. Field and Pool or Exploratory Area  
Penrose Skelly; Grayburg

11. Country or Parish, State  
Lea County, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Open Addtl Pay/Frac</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Apache intends to open additional pay and frac the Grayburg interval, per the attached procedure:

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Reesa Holland

Title Sr. Engr Tech

Signature

*Reesa Holland*

Date 10/24/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

*James P. ...*

Title

SEAS

Date

11-20-11

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

CPW

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NOV 28 2011



AFE No: TW- 10- 4185

**Hawk B-1 #12**

API #: 30-025-06435

660' FSL & 1980' FEL

Section 8, Township 21S, Range 37E

Lea County, New Mexico

**Open Additional Pay & Frac Grayburg Interval**

**31 August 2010**

**Recommended Procedure:**

1. MIRU pulling unit. POOH w/rods & pump. POOH w/2-3/8" prod tbg.
2. RIH w/6-1/8" bit & 7", 23# csg scraper on 2-7/8" ws. If necessary, clean well out to +/-4100'. POOH.
3. RU wireline service. RIH w/Compensated Neutron / GR / CCL log. Log well from PBTD to 3400'. POOH. (Send logs to Midland office for evaluation).
4. Perf Grayburg B & C intervals as per log evaluation from +/-3850' – 4020'. (Exact perms to follow).
5. RIH w/7" treating pkr & 2-7/8" workstring. Set pkr @ +/- 3725'.
6. Acidize Grayburg A, B & C intervals w/3,000 gals 15% HCL-NE-FE acid and ball sealers.
7. Release pkr & run through perms to knock off balls. POOH.
8. RIH w/7" treating pkr on 3-1/2" frac string. Set pkr @ +/-3725'.
9. Rig up Frac Company. Frac Grayburg A, B & C intervals w/100,000# 20/40 SLC resin coated sand. (2-5 ppg ramp).
10. Release pkr & POOH laying down 3-1/2" frac string.
11. RIH w/bit & 2-7/8" ws. Clean well out to +/-4500'. POOH.
12. RIH w/2-3/8" prod tbg. Land SN @ +/- 4050'. RIH w/1-1/2" pump & new 76 rod string.
13. Install surplus 320 / 456 PU.
14. Place well in test.

# WELL DATA SHEET

Last Update: 10-21-09

Lease Name: Hawk B-1 #12

API No: 30-025-06435

Location: 6605/1980'E  
C-5W-SE, Sec 8, T-21S, R-37E

County: Lea ST: NM

Spud Date: 9-4-52 Well Elev: 3503' GL 10' KB

TD Date: 10-3-52 Completion Date: 10-12-52

TD: 6660' PBD: 4/100' TOC: 2836' (+s)

Csg Size: 13 3/8" Wt: 32/76/40 Grd: H-40 Dpth: 239' Cmt: 260 SX (Circ)  
J-55

Producing Formation: Grayburg

Perfs: From 3773' to 3826' 1/spf \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ to \_\_\_\_\_ /spf \_\_\_\_\_ to \_\_\_\_\_

IP: \_\_\_\_\_ BOPD \_\_\_\_\_ BWPD \_\_\_\_\_ MCF/D

Well History: (See Attached)

Penrose

3568-3617'

3635-49'

3670-95'

SQW/55 SX

Grayburg

3773-82'

3790-95'

3810-20, 26'

## Well Equipment:

Pumping Unit: American 80D-119-54

Motor Type: \_\_\_\_\_ HP: \_\_\_\_\_ POC: \_\_\_\_\_

Tbg: 125 Jts 2 3/8" Size 4.7" Grade J-55

MA @ \_\_\_\_\_ SN @ 3887' TAC @ \_\_\_\_\_ (3-22-00)

Rods: 151-2 1/4" C + 2-1 1/2" K

Pump: 2" x 1 1/4" x 16' R/B C (10-29-04)

Drinkard

6628-51'

Csg Size: 7" Wt: 23" Grd: J-55 Dpth: 6654' Cmt: 625 SX

