

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTHobbs  
OCD-ARTESIAFORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

OCT 09 2008

## 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐

Oil Well

☐

Gas Well

☒

Other

2. Name of Operator

Apache Corporation (873)

3a. Address

3b. Phone No. (include area code)

6120 S Yale Ave, Suite 1500 Tulsa OK 74136-4224 (918)491-4864

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660 FSL & 1980 FWL  
UL N, Sec 8, T 21S, R 37E

5. Lease Serial No

NMNM 90161

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Hawk B-1 #016

9. API Well No.

30-025-26601

10. Field and Pool, or Exploratory Area

WSW; San Andres

11. County or Parish, State

Lea County, New Mexico

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

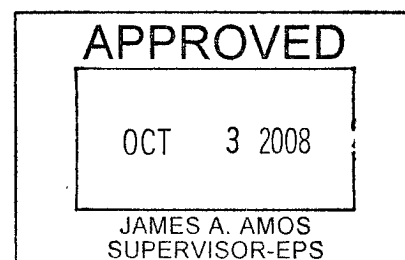
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<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 recompleate 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

This well is marginally producing from the Grayburg.

Apache proposes to convert this well to a water supply well via the following procedure:

1. MIRU
2. POOH w/ pumping equipment
3. Squeeze Grayburg perms 3744' - 3792'.
4. Drill out and test squeeze.
5. Clean out well to PBTD @ 4350'.
6. Perforate San Andres interval as to be determined from log evaluation.
7. Acidize San Andres interval.
8. RIH w/ 2-7/8" production tubing and ESP to +/- 4000'.
9. Set up surface equipment.
10. Turn well on production as a San Andres Water Supply Well.

SUBJECT TO LIKE  
APPROVAL BY STATE14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Sophie Mackay

Title Engineering Tech

Signature

*Sophie Mackay*

Date 09/23/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Office

Date

OCT 14 2008

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

Present

WELL DATA SHEET

Last Update: 9-16-08

Lease Name: Hawk B-1 #16

API No: 30-025-26601

Location: 6603/1980W  
C-SE-SW, Sec 8, T-21S, R-37E

County: Lea ST: NM

Spud Date: 5-15-80 Well Elev: 3499' GL 14' KB

TD Date: 6-9-80 Completion Date: 8-25-80

TD: 6825' PBTD: 4350' TOC: Circ

Casing

Producing Formation: Grayburg

Size: 9 5/8"

Perfs: From 3744' to 92' 2/spf \_\_\_\_\_ to \_\_\_\_\_

Wt: 36\*

\_\_\_\_\_ to \_\_\_\_\_ /spf \_\_\_\_\_ to \_\_\_\_\_

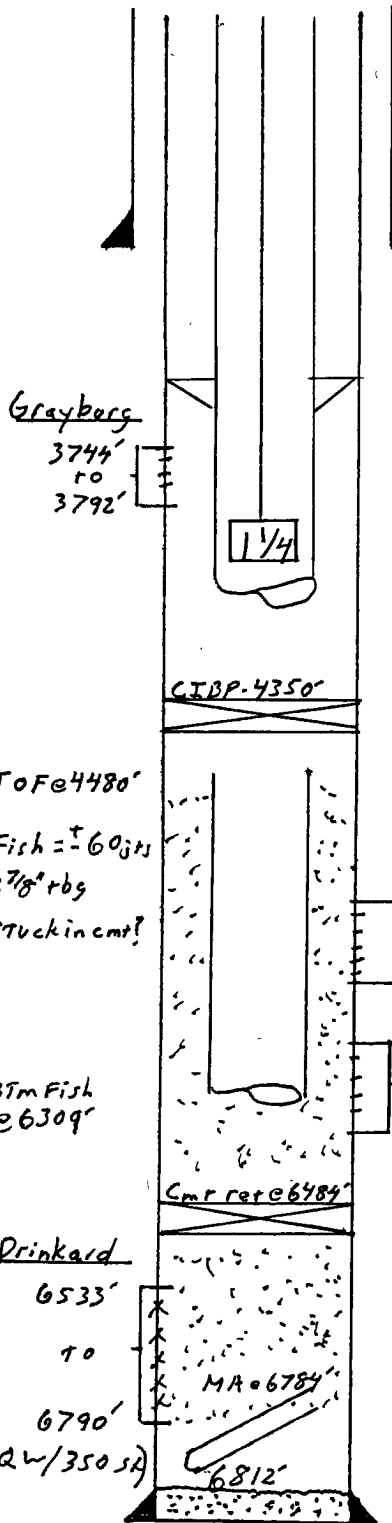
Grd: K-55

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

Dpth: 1350'

Well History: (See Attached)

Cmt: 485sx  
(Circ)



Well Equipment:

Pumping Unit: ?

Size: 7" Motor Type: \_\_\_\_\_ HP: \_\_\_\_\_ POC: \_\_\_\_\_

Wt: 26\* Tbg: 121 Jts 2 3/8" Size J-55 Grade

Grd: J-55 MA @ \_\_\_\_\_ SN @ 3830' TAC @ 3605' (9-20-05)

Dpth: 6825' Rods: 149-3/4" + 2-1/4" K bars

Cmt: 505sx Pump: 2" x 1 1/4" x 16' RHDC (7-6-06)  
(Circ)

TD: 6825'

DV @ 3985'w/1245sx (Circ)

# Proposed

## WELL DATA SHEET

Last Update: 9-16-08

Lease Name: Hawk B-1 #16

API No: 30-025-26601

Location: 660'S/1980'W  
C-SE-SW, Sec 8, T-21S, R-37E

County: Lea ST: NM

Spud Date: 5-15-80 Well Elev: 3499' GL 14' KB

TD Date: 6-9-80 Completion Date: 8-25-80

TD: 6825' PBDT: 4350' TOC: Circ

Casing

Producing Formation: San Andres

Size: 9 5/8"

Perfs: From 3988' to 4350' /spf \_\_\_\_\_ to \_\_\_\_\_

Wt: 36\*

\_\_\_\_\_ to \_\_\_\_\_ /spf \_\_\_\_\_ to \_\_\_\_\_

Grd: K-55

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

Dpth: 1350'

Well History: (See Attached)

Cmt: 485 SX

(Circ)

San Andres

3988'-4340'  
as determined  
by log analysis

CIBP-4350'

Grayberg

3744'

to

3792'

SQ during  
conversion

ESP

TOF 4480'

Fish = 60 jts

2 7/8" rbg

stuck in cmt?

Blinberry

5652'

to

5997'

Tubbs

6304-16'

6362-77'

6397-6407'

6422-32'

BTM Fish

@ 6309'

Cmt ret @ 6484'

Drinkard

6533'

to

6790'

SQ w/350 SA

MA @ 6784'

6812'

TD: 6825'

DV @ 3985' w/1245 SX (Circ)

Well Equipment:

Pumping Unit: ESP

Size: 7"

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

Wt: 26\*

Tbg: 1/25 jts 2 7/8" Size 6.5\* Grade J-55

Grd: J-55

MA @ \_\_\_\_\_ SN @ 4000' TAC @ \_\_\_\_\_

Dpth: 6825'

Rods: \_\_\_\_\_

Cmt: 505 SX

Pump: \_\_\_\_\_

(Circ)