

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DEC 14 2012

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**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.  
NMNM-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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1330' FSL & 2400' FEL UL J Sec 9 T21S R37E

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

8. Well Name and No.  
West Blinbery Drinkard Unit (WBDU) #049 (37346)

9. API Well No.  
30-025-37743

10. Field and Pool or Exploratory Area  
Eunice; B-T-D, North (22900)

11. County 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 checked="" 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>ADD PAY &amp; RE-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 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 must 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 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 add pay and re-frac the Drinkard, as detailed on the attached procedure.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

*accept for record  
11/30/2012 RHL*

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

Reesa Holland

Title Sr. Staff Reg Tech

Signature

*Reesa Holland*

Date 10/04/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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.

**APPROVED**

Date **DEC 13 2012**

*Wendy M. ...*

BUREAU OF LAND MANAGEMENT

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)

*FOR RECORD ONLY / OLD 01-17-2013*

## WBDU #49 – Add Pay & Re-frac



### Recommended Procedure

1. MIRU. POOH w/rods & pump. Install BOP. TFF and POOH w/2-7/8" tbg.
2. RIH w/4-3/4" bit, csg scraper and 2-7/8" tbg. RIH to +/-6895' PBSD. Clean well out to +/-6750' if necessary. POOH.
3. RU wireline unit. **NOTE: All perms picked from the Halliburton Spectral Density/Dual-Spaced Neutron Log run 9/3/2006.**
4. Perforate the Drinkard II-V intervals @ 6569', 71', 75', 77', 79', 84', 97', 99', 6607', 14', 33', 35', 43', 45', 59', 71', 75', 80', 85', 87', 89', 6701', 05', 07', 09', 11', 13' & 15' w/2 spf, 120 deg phasing. (Total = 56 shots).
5. RIH w/treating pkr on 3-1/2", N-80 ws. Set pkr @ +/- 6450'.
6. Acidize the Drinkard II-V intervals w/4,200 gals 15% HCl-NE-FE BXDX acid & ball sealers. Release pkr & run through perms to knock off balls. Re-set pkr @ +/- 6450'.
7. Pump 1 drum corrosion inhibitor and 2 drums scale inhibitor ahead of frac.
8. RU frac equipment. Frac the Drinkard II-V intervals w/100,000# 20/40 SLC (or equivalent) resin coated sand down 3-1/2" ws @ 30+ BPM in 35# XL gel as per frac rec.
9. Rel pkr & POOH LD 3-1/2 ws.
10. RIH w/bit on 2-7/8" tbg. Clean well out to PBSD @ +/- 6895'. POOH.
11. RIH w/SN & 2-7/8" prod tbg to +/-6750'.
12. RIH w/1-1/2" pump & rods.
13. Return to production. Place well in test.

WELL DATA SHEET

Last Update: 12-29-08

Lease Name: WBDU #49 (Hawk B-1 #47)

API No: 30-025-37743

Location: 13305/2400'E SW-SW-NW-SE, Sec 9 T-21S, R-37E

County: Lea ST: NM

Spud Date: 8-22-06 Well Elev: 3490' GL 10' KB

TD Date: 9-2-06 Completion Date: 10-4-06

TD: 6950' PBD: 6895' TOC: 590' CBL

Casing

Producing Formation: Blinebry/Tubb/Drinkard

Size: 8 5/8"

Perfs: From 5672 to 5823' 2/spf 6589 to 6656' 2 spf

Wt: 24"

6129 to 6278' 2/spf \_\_\_\_\_ to \_\_\_\_\_

Grd: J-55

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

Dpth: 1323'

Well History: (See Attached)

Cmt: 5755x (Circ)

Blinebry

5672-76'

5714-18'

5760-64'

5829-33'

Tubb

6129-33'

6158-62'

6227-31'

6274-78'

Drinkard

6589-93'

6622-26'

6652-56'

Well Equipment:

Pumping Unit: C640-365-168

Size: 5 1/2"

Motor Type: \_\_\_\_\_ HP: 40 POC: \_\_\_\_\_

Wt: 17"

Tbg: 207 Jts 2 7/8" Size 6.5" Grade J-55

Grd: J-55 2-80

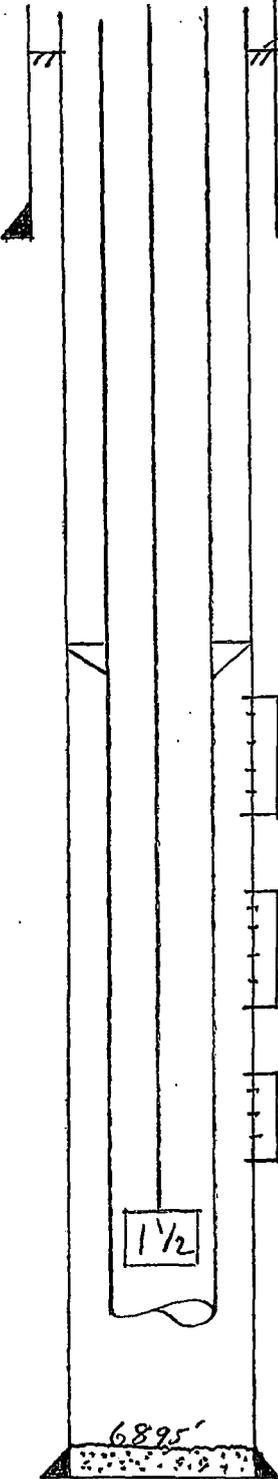
MA @ 6746' SN @ 6724' TAC @ 5622' (10-2-06)

Dpth: 6950'

Rods: 72-1" KD + 78-7/8" KA + 116-3/4" KD

Cmt: 1400sk

Pump: 2" x 1 1/2" x 24" RHD C (10-3-06)



TD: 6950'