

UNITED STATES **OCD-HOBBS**  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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  
NMLC 031741A

6 If Indian, Allottee or Tribe Name

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

1 Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Convert to Injection

2 Name of Operator  
Apache Corporation (873)

3a Address  
6120 S Yale Ave, Suite 1500  
Tulsa, OK 74136-4224

3b Phone No (include area code)  
(918) 491-4864

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660' FNL & 660' FWL  
UL D, Sec 9, T 21S, R 37E

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

8 Well Name and No  
West Blinebry Drinkard Unit #023

9 API Well No  
30-025-21225

10 Field and Pool or Exploratory Area  
Eunice; Blinebry-Tubb-Drinkard, North

11 Country or Parish, State  
Lea County

**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 type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" 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 recomple 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 recompletion 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.)

This well is currently producing from the Blinebry/Tubb w/ CIBP over the Drinkard.  
Pursuant to R-12981 effective 9/1/2008, Apache proposes to convert this well to injection via the following procedure:

1. MIRU.
2. POOH w/ production equipment.
3. Isolate & squeeze Tubb interval from 6198' - 6400'.
4. Drill out and test squeeze.
5. Drill out cmt and CIBP fr/ 6501' - 6509'.
6. Clean well out to PBTD @ 6791'.
7. Isolate & acidize Drinkard 6586' - 6781'.
8. Isolate & acidize Blinebry 5760' - 6019'.
9. RIH w/ IPC injection tubing & packer to 5700'.
10. Notify BLM office prior to pressure testing casing per BLM regs.
11. Set up surface equipment.
12. Begin injection in the Blinebry/Drinkard.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

**SUBJECT TO LIKE  
APPROVAL BY STATE**

RECEIVED  
OCT 05 2009  
HOBBS OGD

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

Sophie Mackay

Title Engineering Technician

Signature

*S. Mackay*

Date 03/25/2009

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

Approved by

*[Signature]*

**PETROLEUM ENGINEER**

Title

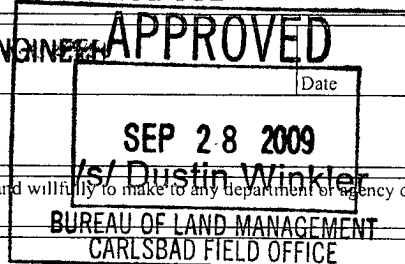
Office

Date

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 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)



OCT 06 2009

Present

WELL DATA SHEET

Last Update: 10-30-08

Lease Name: WBDU #23W (Halka #5)

API No: 30-025-21225

Location: 660'N/660'W  
C-NW-NW, Sec 9, T-21S, R-37E

County: Lea ST: NM

Spud Date: 4-12-65 Well Elev: 3498' GL 12' KB

TD Date: 5-1-65 Completion Date: 5-15-65

TD: 6800' PBTD: 6501' TOC: 2600' + s

Casing

Size: 8 5/8"

Wt: 24#

Grd: J-55

Dpth: 1325'

Cmt: 500 SX  
(Circ)

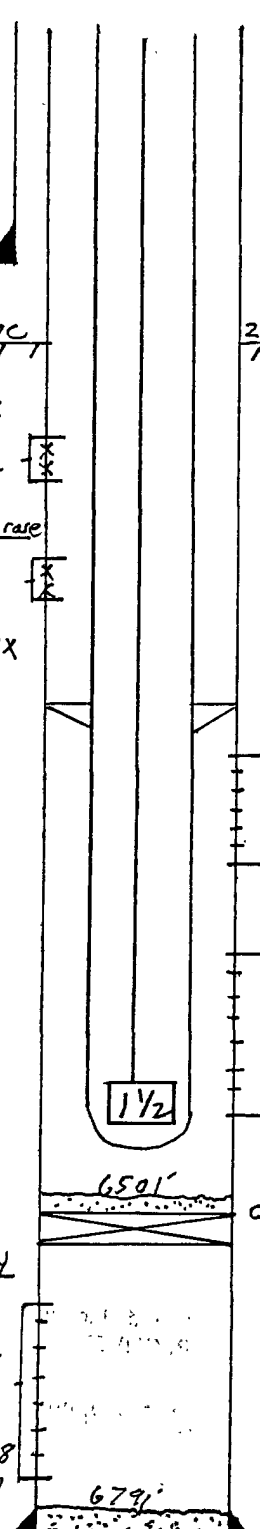
Producing Formation: Blinberry / Tubb

Perfs: From 5760' to 6019' 1/spf \_\_\_\_\_ to \_\_\_\_\_

6198' to 6400' 2/spf \_\_\_\_\_ to \_\_\_\_\_

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

Well History: (See Attached)



Blinberry

5760, 95,  
5810, 22, 64, 93,  
5922, 37, 60,  
6008, 19

Tubb

6198-6202'  
6224-28'  
6232-36'  
6310-14'  
6338-42'  
6396-6400'

Drinkard

6586,  
6603, 15, 43,  
6664, 77,  
6701, 15,  
6723, 29, 38  
6747, 80, 81

CIBPe6509'

Size: 5 1/2"

Wt: 14#

Grd: J-55

Dpth: 6800'

Cmt: 500 SX

Well Equipment:

Pumping Unit: Weatherford 640

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

Tbg: 198 Jts 2 7/8" Size 6.5" Grade J-55

MA @ 6471' SN @ 6448' TAC @ 5669' (10-22-07)

Rods: 58-1" KD + 80-7/8" KD + 116-3/4" KD

Pump: 2 1/2" x 1 1/2" x 24" RHBC w/RHR (10-23-07)

Proposed

WELL DATA SHEET

Last Update: 10-30-08

Lease Name: WBDV #23W (Hawk A #5) API No: 30-025-21225  
Location: 660'N/660'W  
C-NW-NW, Sec 9, T-21S, R-37E County: Lea ST: NM  
Injection Order Date: 8-11-08 Spud Date: 4-12-65 Well Elev: 3498' GL 12' KB  
Injection Order No: R-12981A TD Date: 5-1-65 Completion Date: 5-15-65  
Permit BPD / PSI: 490 / 1120 TD: 6800' PBTD: 6791' TOC: 2600'+1

Casing

Size: 8 5/8"

Wt: 24#

Grd: J-55

Dpth: 1325'

Producing Formation: Blinberry / Drinkard

Perfs: From 5760' to 6019' 1/spf \_\_\_\_\_ to \_\_\_\_\_

6586' to 6787' 1/spf \_\_\_\_\_ to \_\_\_\_\_

Well History: (See Attached)

2600' Cmt: 500 SX  
(Circ)

TOC  
777'

7 Rivers

3000'

3333'

Queen/Pencose

3394'

3770'

SQ-305 SX

Blinberry

5760, 95,  
5810, 23, 64, 93,  
5923, 37, 60,  
6008, 19

Tubb

6198-6202

6224-28

6232-36

6310-14

6338-42

6396-6400

SQ during

conversion

Drinkard

6586,  
6603, 15, 43,  
6664, 77,  
6701, 15, 23, 29,  
6738, 47,  
6780, 81

Well Equipment:

Tbg: 1 5/8" Jts 2 3/8" Size IPC Grade

Pkr Type Baker Lok-Ser Depth: 5700'

Casing:

Size: 5 1/2" Wt: 14# Grd: J-55 Depth: 6800' Cmt: 500 SX

TD: 6800'

**BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972**

**Conversion to Injection of Federal Wells  
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

Subject to like approval by the state.

1. **Contact the appropriate BLM office at least 24 hours prior to the commencing of any conversion operations. Lea County, call 575-393-3612.**
2. No further surface disturbance beyond that of the well pad will be permitted without prior approval.
3. A closed loop system will be used.
4. H2S plan must be implemented with monitoring and protection equipment on site.
5. A blowout preventer (BOP), as appropriate, shall be installed before commencing any conversion operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system.
6. Mud shall be placed in the hole to prevent kicks and flows. Mud should be adequate, but below the fracture gradient of the formations.
7. Within 30 days after conversion work is completed, file one original and three copies of the Subsequent Report of conversion, Form 3160-5, and one original and three copies of the Completion Report, Form 3160-4 to BLM. The report should give in detail the manner in which the conversion work was carried out. **Show date injection started.**
8. All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Work on well shall be complete within **one hundred-twenty (120)** days from the approval of this Notice of Intent.

DHW 091509