

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.,
Other **HOBBS OCD**

2. Name of Operator
Apache Corporation

3. Address 6120 S Yale Ave, Suite 1500 Tulsa OK 74136-4224 3.a. Phone No. (Include area code) (918)491-4864

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface 660' FNL & 660' FWL (NW1/4 NW1/4), Unit D, Sec 9, T21S, R37E
At top prod. interval reported below
At total depth

5. Lease Serial No.
NMLC 031741A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.
Hawk A 5

9. API Well No.
30-025-21225

10. Field and Pool, or Exploratory
Eunice; Blinbry-Tubb-Drinkard, Nort

11. Sec., T., R., M., on Block and Survey or Area Sec 9, T21S, R37E

12. County or Parish Lea County 13. State New Mexico

14. Date Spudded 15. Date T.D. Reached 16. Date Completed ☐ D & A ☒ Ready to Prod.
10/24/2007

17. Elevations (DF, RKB, RT, GL)*
3498' GR

18. Total Depth: MD 6800' TVD 19. Plug Back T.D.: MD TVD 20. Depth Bridge Plug Set: MD 6509' TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11"	8-5/8"	24#	0'	1325'		350 sx		circ	
7-7/8"	5-1/2"	14#	0'	6800'		500 sx		1300' TS	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	6448'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Blinbry			5760-6019'		11	Producing
B) Tubb			6198-6400'		54	Producing
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/24/07	11/08/07	24	→	10	59	37			Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→				5900	Producing	

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

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BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg. Press.	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

28c Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg. Press.	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

29 Disposition of Gas (Sold, used for fuel, vented, etc)

Sold

30 Summary of Porous Zones (Include Aquifers)

Show all important zones or porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top Meas Depth

32 Additional remarks (include plugging procedure).

Bluebry 5760-6019

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

33 Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geological Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Sophie Mackay Title Engineering TechSignature *Sophie Mackay* Date 12/20/2007

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OM B No. 1004-0137
Expires: March 31, 2007

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 ☐ Other2. Name of Operator
Apache Corporation3a. 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 FNL & 660 FWL
UL D, Sec 9, T21S, R37E

5. Lease Serial No

NMLC 031741A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No

Hawk A 5

9. API Well No.

30-025-21225

10. Field and Pool, or Exploratory Area

Eunice; Blinebry-Tubb-Drinkard, North

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 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 checked="" 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 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 shall 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 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 previously TA'd well was recompleated to include the Blinebry and Tubb zones in accordance with the BLM's requirement to return well to production by 1/18/2008. The following procedure was used:

10/01/07 Tested casing to 500#, held. Drilled out CIBP @ 2950'.

10/02/07 Set CR @ 2960'. Squeezed Eumont perms fr/ 3000-3333' and Queen perms fr/ 3394-3770' w/ 305 sx class C cmt.

10/04 - 10/10/07 Drilled out CR @ 2960' and cement. Cleaned out hole to 5675'.

10/10/07 Drilled out cement and CIBP @ 5692'. Cleaned out to PBTD @ 6501'.

10/11/07 Swabbed existing Blinebry perms fr/ 5760-6019'.

10/12/07 Perf'd Tubb @ 6198-6202, 6224-28, 6232-36, 6310-14, 6338-42, 6396-6400', 2 JSPF, 54' holes.

10/15/07 Isolated Tubb zone w/ packer. Acidized Tubb w/ 3000 gals 15% HCl.

10/18/07 Frac'd Tubb w/ 36K gals SS-25 and 80K # 20/40 sand. Released packer and POOH.

10/19/07 Washed sand to PBTD @ 6501' and circ clean.

10/23/07 RIH w/ pump and rods.

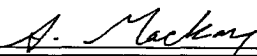
10/24/07 Set 640 pumping unit. Put on production Blinebry/Tubb in accordance with pre-approved downhole commingle order number R-12538.

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

Sophie Mackay

Title Engineering Tech

Signature



Date 12/20/2007

ACCEPTED FOR RECORD

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

MAR 26 2008

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.