

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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OCD-10000

AUG 23 2010

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: DHC

2. Name of Operator
Apache Corporation

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

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
1310' FSL & 1280' FWL, Unit M (SW/4, SW/4) ✓
At surface

At top prod. interval reported below :

At total depth

14. Date Spudded
02/11/2004

15. Date T.D. Reached
02/18/2004

16. Date Completed 06/08/2004
☐ D & A ☒ Ready to Prod.

5. Lease Serial No.
NM 90161

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Hawk B-1 #40

9. AFI Well No.
30-025-36533

10. Field and Pool or Exploratory
Penrose Skelly; Grayburg; Hare, SA, East ✓

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

12. County or Parish
Lea ✓

13. State
NM ✓

17. Elevations (DF, RKB, RT, GL)*
3510' GL

18. Total Depth: MD 4775'
TVD

19. Plug Back T.D.: MD 4100'
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CSL/DSN-SDL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
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
NC									

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"	4277'							

25. Producing Intervals

Formation	Top	Bottom	Perforation Record	Size	No. Holes	Perf. Status
A) Penrose Skelly; Grayburg	3904'		3904' - 4022'			
B) Hare; San Andres, East	4150'		4150' - 4228'			
C)						
D)						

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

Depth Interval	Amount and Type of Material
4719'	Pushed stuck RBP from 4100' to 4719'

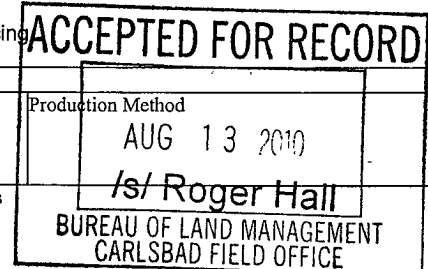
DHC-4231

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
6/24/10	7/14/10	24	→	2	59	88	32.3		Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				29,500	Producing	

28a. 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	
			→						



*(See instructions and spaces for additional data on page 2)

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PETROLEUM ENGINEER

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 (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of 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
				Rustler	1308'
				Yates	2701'
				Seven Rivers	2928'
				Queen	3484'
				Grayburg	3783'
				San Andres	4024'

32. Additional remarks (include plugging procedure):

Bureau of Land Management
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Carlsbad Field Office
Carlsbad, N.M.

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

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Sundry & NMOCD C-102's & C-104's

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) Reesa Holland

Title Sr Engr Tech

Signature

Reesa Holland

Date 07/21/2010

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.

(Continued on page 3)

(Form 3160-4, page 2)

UNITED STATES
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.**

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
6120 S Yale Avenue, 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)
Unit M, 1310' FSL & 1280' FWL
Sec 9, T 21S, R 37E

5. Lease Serial No.
NM-90161

6. If Indian, Allottee or Tribe Name
NA

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

8. Well Name and No.
Hawk B-1 #40

9. API Well No.
30-025-36533

10. Field and Pool or Exploratory Area
Penrose Skelly; Grayburg / Hare; San Andres, East

11. Country or Parish, State
Lea County, New Mexico

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 DHC
	<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	

DHC-4231-0

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.)

This well is currently producing from the Grayburg with the San Andres below a RBP @ 4100'. Apache proposes to commingle these zones via the following procedure:

1. MIRU PU. POOH w/ rods & pump.
2. POOH RBP @ 4100'.
3. RIH with tubing to 4250'.
4. RIH w/ rods and pump.
5. Return to production Grayburg/San Andres.

See attached application to downhole commingle these zones, including allocation

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HOBBSOCD

**SUBJECT TO LIKE
APPROVAL BY STATE**

Completion Report required

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

Sophie Mackay

Title Engineering Technician

Signature

Sophie Mackay

Date 10/28/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

[Signature]

DISTRICT 1 SUPERVISOR

Date

NOV 18 2009

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

(Instructions on page 2)

Oil Conservation Division

Conditions of approval: Approval for drilling/workover ONLY-- CANNOT produce Downhole Commingled until DHC is approved in Santa Fe.

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