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Form 3160-4  
(April 2004)

UNITED STATES

OCD-HOBBS

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APR 15 2008

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

HOBBS OCD

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Otherb. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.,  
Other \_\_\_\_\_2. Name of Operator  
Apache Corporation3. Address  
6120 S Yale Ave, Suite 1500 Tulsa OK 74136-42243 a. Phone No (Include area code)  
(918)491-4864

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At Surface 1930' FNL &amp; 660' FEL (SE1/4 NE1/4), Unit H, Sec 6, T23S, R34E

At top prod. interval reported below

At total depth

14. Date Spudded

15. Date T D Reached

16. Date Completed

☐ D & A ☒ Ready to Prod  
11/21/200718. Total Depth. MD 17,540'  
TVD19. Plug Back T D : MD  
TVD20. Depth Bridge Plug Set: MD 14,589' CR  
TVD

21. Type of Electric &amp; 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
26"	20"	94#	0'	900'		1450 sx		circ	
17-1/2"	13-3/8"	68#/72#	0'	4,867'		4100 sx		475'	
12-1/4"	9-5/8"/9-	54#/63#	0'	12,021'		1600 sx		?	
8-1/2"	7/8"	39#	11,664'	14,401'		500 sx		11,644'	
6-1/2"	7-5/8"	18/20/23#	0'	17,340'		350 sx		14,330'	
	5-1/2"/5"								

## 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"	14,581'							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Devonian			14,574' - 14,580'		19	Producing
B)						
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
11/21/07	12/12/07	24	→	3	66	1080			Flowing
Choke Size	Tbg. Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
7/64			→				360,000	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	
			→						

ACCEPTED FOR RECORD

APR 13 2008

J Amos

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on page 2)

## 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):

Devonian 14,574' - 14,580', 3 JSPF, 19 Holes

## 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  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

37. SUMMARY OF POROUS ZONES: (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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Devonian	14594'	14692'	DST 1, 3800' Water Cushion, tool open 196 min. - Flowed salt water & gas to surface. Wellhead flowing press. = 2360 PSI, ISIP = 6056 PSI after 301 min. shutin. Flowed well thru separator for 390 min. at final rate of 4.6 MCFD, 1344 BWPD, FTP = 2170 PSI. FSIP = 6035 PSI. Recovered 72 bbl. gas cut water in pipe. Sampler 14.95 CF gas, 750 CC water. CI = 30,000 PPM.	Atoka	12,032'	
				Morrow	12,770'	
				Mississippian	13,858'	
				Devonian	14,571'	
				Montoya	16,141'	
				Simpson	16,538'	
Ellenburger	17216'	17223'	Core 1 Cut 7' Rec. 2.5'	Ellenburger	17,125'	
	17223'	17228'	Core 2 Cut 5' Rec. 5'			
Ellenburger	17158'	17267'	DST 2, 6400' Cushion tool open 74 min., flowed gas to surface, initial flowing pressure = 3200 PSI, ISIP = 7132 PSI, tool fail - no final flow or shutin. Recovered gas cut water cushion. Sampler Recovery 5.65 CF 700 CC Drlg. Fluid, CI = 1000 PPM.			

1625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Avenue, Artesia, NM 88210

**1000 Rio Brazos Rd., Aztec, NM 87410**

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

**Submit to Appropriate District Office**

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-025-33077		'Pool Code 71840		'Pool Name Bell Lake; Devonian, North (Gas)	
'Property Code 302344		'Property Name North Bell Lake Federal Unit			'Well Number 3
'OGRID No. 00873		'Operator Name Apache Corporation			'Elevation 3456'

## <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the North/South line	Feet from the East/West line	County
H	6	23S	34E	1930	North	660	East Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
"Dedicated Acres 628.62	"Joint or Infill	"Consolidation Code		"Order No. R-12733					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<div style="display: flex; justify-content: space-between;"> <span>16</span> <span>17</span> </div> <div style="border: 1px solid black; height: 200px; position: relative; margin-top: 10px;"> <div style="position: absolute; top: 0; right: 0; width: 50px; height: 50px; border: 1px dashed black; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">1930</div> <div style="margin-left: 10px;">660</div> </div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.3;"> </div> </div>	<div style="border-bottom: 1px solid black; padding-bottom: 5px;"> <b>OPERATOR CERTIFICATION</b>  <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</i> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 60%;"> <i>Sophie Mackay</i>  <small>Signature</small> </div> <div style="width: 35%;"> 05/02/2007  <small>Date</small> </div> </div> <div style="border-bottom: 1px solid black; padding-bottom: 5px; margin-top: 5px;"> Sophie Mackay  <small>Printed Name</small> </div>
<div style="display: flex; justify-content: space-between;"> <span></span> <span>18</span> </div> <div style="border: 1px solid black; height: 200px; position: relative; margin-top: 10px;"> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.3;"> </div> </div>	<div style="border-bottom: 1px solid black; padding-bottom: 5px;"> <b>SURVEYOR CERTIFICATION</b>  <i>I hereby certify that the well location shown on this plan was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief</i> </div> <div style="margin-top: 10px;"> Date of Survey    Signature and Seal of Professional Surveyor    </div>
<div style="display: flex; justify-content: space-between;"> <span></span> <span>Certificate Number</span> </div>	