

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

HOBBS OCD

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

AUG 29 2012

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

2. Name of Operator
Apache Corporation3. Address 303 Veterans Airpark Lane Suite 3000
Midland TX 797053a. Phone No. (include area code)
432/818-1062

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

At surface 660' FSL & 830' FWL UL M Sec 28 T19S R32E

At top prod. interval reported below

At total depth

14. Date Spudded
11/17/200515. Date T.D. Reached
02/01/200616. Date Completed 06/01/2012
☐ D & A ☒ Ready to Prod.5. Lease Serial No.
NMNM111963

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
South Lusk 28 Federal #0019. AFI Well No.
30-025-3699210. Field and Pool or Exploratory
Lusk; Bone Spring, South (41460)11. Sec., T., R., M., on Block and
Survey or Area UL M Sec 28 T19S R32E

12. County or Parish

Lea

13. State

NM

17. Elevations (DF, RKB, RT, GL)*
3557' GL18. Total Depth: MD 12,850'
TVD19. Plug Back T.D.: MD 12,142'
TVD20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	68	0	810'	--	665 sx C cmt	211	Surface	
12-1/4"	9-5/8"	47	0	4470'	2964'	3650 sx C cmt	1538	312'	
8-1/2"	7"	23	0	6618'	4422'	1070 sx C cmt	281	2784'	
6-1/8"	4-1/2"	11.6	0	12,850'	10,410'	860 sx C cmt	216	6420' est	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	9077'	9077'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) 2nd Bone Springs	9136'		9144' - 9594'	1 SPF	28	Producing
B) Middle Morrow Sand	12,394'		12,462' - 12,680'	2 SPF	40	CIBP @ 12,142'
C)						33 bbls Class H 12,142'-10,211'
D)						TOC @ 3908'

26. Perforation Record

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

Depth Interval	Amount and Type of Material
9144' - 9594'	5000 gal acid; 61,740 gal Viking 2500 XL; 131,736# sand; 12,096 gal gel

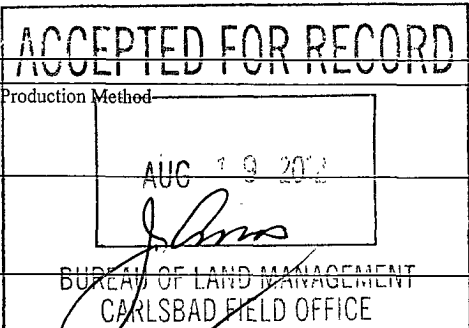
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
5/22/12	6/22/12	24	→	165	275	40	40.0		Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				1667	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)



SEP 04 2012

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.)

Sold

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
Brushy Canyon Lower Brushy Canyon	5720' 7050'				
Bone Springs Avalon	7278' 7418'				
1st Bone Springs 2nd Bone Springs	8474' 9136'				
3rd Bone Springs Wolfcamp	9990' 10,422'				
Strawn Atoka Clastics	11,292' 11,718'				
Upper Morrow lm Upper Morrow sd	12,034' 12,211'				
Middle/Lower Morrow Barnett	12,394' / 12,750'	12,626'	Middle 12,394', Lower 12,626'		

32. Additional remarks (include plugging procedure):

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:

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 Staff Engr Tech

Signature

Reesa Holland

Date 07/31/2012

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)