

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Type of Well ☒ Oil Well ☒ Gas Well ☐ Dry ☐ Other	5. Lease Serial No. NM59385
Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other: _____	6. If Indian, Allottee or Tribe Name
Name of Operator it Petroleum Company	7. Unit or CA Agreement Name and No
Address PO Box 702500 Tulsa, OK 74170	8. Lease Name and Well No. HB '3' Federal #3H
3a. Phone No. (include area code) 9184937700	9. API Well No. 30-015-39076
Location of Well (Report location clearly and in accordance with Federal requirements)* 2170' FSL & 330' FEL At surface 2230' FSL & 421' FEL At top prod. interval reported below At total depth 1882' FSL & 4699' FEL	10. Field and Pool or Exploratory
Date Spudded /04/2011	11. Sec., T., R., M., on Block and Survey or Area 3 - 24S - 29E
15. Date T.D. Reached 07/30/2011	12. County or Parish Eddy
16. Date Completed ☐ D & A ☒ Ready to Prod.	13. State NM
Total Depth MD 12400 TVD 7867.67	17. Elevations (DF, RKB, RT, GL)* 3071.50 KB, 3054 GL
19. Plug Back T.D.: MD 12243 TVD 7871	20. Depth Bridge Plug Set: MD TVD
Type Electric & Other Mechanical Logs Run (Submit copy of each) A	22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)

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

Cole 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
1-1/2"	13-3/8, H40	48#	Surface	620		655 sks, "H"	180	Surface	N/A
1-1/4"	9-5/8, J55	40#	Surface	2980		865 sks, "H"	295	Surface	N/A
3/4"	5-1/2, P110	17#	Surface	12383		660 sks, "H"	420	7000'	N/A
					4470	300 sks, "H"		2000'	

Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Bone Springs	8100	12143	8100-12143	3.125	6 spf	Open-Flowing

Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
1940-12143	3K Gals 15% NEFE acid, 60K Gals Treated h2o, 52K Gals h2o Frac G, 107K Gals Delta Frac 140. 60,765# 100 mesh, 112K# 20/40 White Sand and 40K# 20/40 CRC sand.
1500-11803	3K Gals 15% NEFE acid, 44K Gals Treated h2o, 52K Gals h2o Frac G, 108K Gals Delta Frac 140. 60,800# 100 mesh,
ONTINUED @ #32.	107K # 20/40 White Sand, 39K# 20/40 CRC sand.

Production - Interval A

ate First duced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method Flowing
/20/11	9/22/11	24	→						
hoke ze	Tbg. Press. Flwg SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status Well Flowing/up Csg.	
1/64	N/A	960	→	589	1049	371			

Production - Interval B

ate First duced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
hoke ze	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)

RECEIVED
OCT 27 2011
NMOCD ARTESIA

RECLAMATION

DUE 3-20-12

ACCEPTED FOR RECORD

OCT 25 2011

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 (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

32. Additional remarks (include plugging procedure)

Perfs: 11940-12143, 11500-11803, 11150-11353, 10800-11003, 10450-10653, 10100-10303, 9650-9953, 9200-9503, 8750-9053, 8100-8603.

Frac: 11150-11353-3K Gals 15% NEFE acid, 40K Gals Treated h2o, 40K Gals h2o Frac G, 105,500 Gals Delta Frac 140. 60K# 100 mesh, 109K# 20/40 Wt Snd & 36K# 20/40 CRC. 10800-11003-3K Gals 15% NEFE acid, 40K Gals Treated h2o, 40K Gals h2o Frac G, 105K Gals Delta Frac 140. 58K# 100 mesh, 108K# 20/40 Wt Snd & 35,700# 20/40 CRC. 10450-10653-3K Gals 15% NEFE acid, 40K Gals Treated h2o, 40K Gals h2o Frac G, 105K Gals Delta Frac 140. 59,700# 100 mesh, 110K# 20/40 Wt Snd & 37K# 20/40 CRC. 10100-10303-3K Gals 15% NEFE acid, 40K Gals Treated h2o, 40K Gals h2o Frac G, 103K Gals Delta Frac 140. 57,400# 100 mesh, 111K# 20/40 Wt Snd & 25K# 20/40 CRC. 9650-9953-3K Gals 15% NEFE acid, 40K Gals Treated h2o, 40K Gals h2o Frac G, 105K Gals Delta Frac 140. 59K# 100 mesh, 104K# 20/40 Wt Snd & 24500# 20/40 CRC. 9200-9503-3K Gals 15% NEFE acid, 40K Gals Treated h2o, 40K Gals h2o Frac G, 106500 Gals Delta Frac 140. 59K# 100 mesh, 107500# 20/40 Wt Snd & 38K# 20/40 CRC. 8750-9053-3K Gals 15% NEFE acid, 40K Gals Treated h2o, 40K Gals h2o Water Frac G, 106K Gals Delta Frac 140. 62200# 100 mesh, 112K# 20/40 Wt Snd & 34500# 20/40 CRC. 8100-8603-3K Gals 15% NEFE, 40K Gals h2o, 40K Gals h2o "G", 115K Gals Delta 140. 64500# 100 mesh, 65K# 20/40 Wt Snd & 106K# 20/40 CRC.

3. 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:

4. 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) Greg PorterTitle Engineering Manager/TechnicianSignature Date 10/17/2011

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.

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