

JUL 30 2014

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NNNM14124

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator CIMAREX ENERGY COMPANY OF TEXAS		Contact: ARICKA EASTERLING Email: aeasterling@cimarex.com	
3. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701		3a. Phone No. (include area code) Ph: 918-560-7060	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 330FSL 400FEL 32.081715 N Lat, 104.142129 W Lon At top prod interval reported below SESE 330FSL 400FEL At total depth NENE 336FNL 407FEL		8. Lease Name and Well No. MARQUARDT FEDERAL 12H	
14. Date Spudded 03/27/2014		15. Date T.D. Reached 04/12/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/20/2014		9. API Well No. 30-015-41850-00-S1	
18. Total Depth: MD 11940 TVD 7318		19. Plug Back T.D.: MD 11930 TVD	
20. Depth Bridge Plug Set: MD TVD		10. Field and Pool, or Exploratory CORRAL DRAW	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DSN&DLL		11. Sec., T., R., M., or Block and Survey or Area Sec 12 T25S R26E Mer NMP	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		12. County or Parish EDDY	
23. Casing and Liner Record (Report all strings set in well)		13. State NM	
17. Elevations (DF, KB, RT, GL)* 3225 GL		16. Date Completed	

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
17.500	13.375 J55	48.0	0	250		290		0	
12.250	9.625 J55	36.0	0	404		200		0	
8.500	5.500 L80	17.0	0	11608		2400		0	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	6533	6533						

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7002	11350	7002 TO 11350	0.420	672	OPEN
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
7002 TO 11350	FRAC WITH 3,211,470 GAL TOTAL FLUID & 4,900,000 # SAND.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
05/20/2014	05/25/2014	24	▶	259.0	423.0	1397.0	47.8		LAND MANAGEMENT CARLSBAD FIELD OFFICE GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
25/64	SI 575	875.0	▶	259	423	1397	1633	POW	

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			▶						

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #250900 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***  
**RECLAMATION**  
**DUE 11-20-14**

**ACCEPTED FOR RECORD**  
JUL 27 2014  
*[Signature]*  
LAND MANAGEMENT  
CARLSBAD FIELD OFFICE  
GAS LIFT

*AB*  
*2/11/14*

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 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
BELL CANYON	1983 ✓	2939 ✓	SANDSTONE; WATER	SALADO	1107 ✓
CHERRY CANYON	3033	3840	SANDSTONE; WATER	CASTILE	1730
BRUSHY CANYON	4597	5409	SANDSTONE; WATER, MINOR OIL	BELL CANYON	1930 ✓
BONE SPRING	6830	7098	SANDSTONE; OIL, GAS & WATER	CHERRY CANYON	2939 ✓
				BRUSHY CANYON	3935 ✓
				BONE SPRING	5409

32. Additional remarks (include plugging procedure):  
Logs will be sent to the Carlsbad, NM field office via Fed Ex.

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other:

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

**Electronic Submission #250900 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad  
Committed to AFMSS for processing by DUNCAN WHITLOCK on 06/27/2014 (14DW0120SE)**

Name (please print) ARICKA EASTERLING Title REGULATORY ANALYST

Signature (Electronic Submission) Date 06/26/2014

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.

\*\* REVISED \*\*