

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NNNM84729

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator Contact: ARICKA EASTERLING
CIMAREX ENERGY COMPANY OF TEXAS Email: aeasterling@cimarex.com

8. Lease Name and Well No.
CUERVO FEDERAL 23H

3. Address 600 NORTH MARIENFELD STREET, SUITE 600
MIDLAND, TX 79701

3a. Phone No. (Include Area Code)
Ph: 918-585-1100

9. API Well No.
30-025-41921-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NWNW 330FNL 375FWL 32.183971 N Lat, 103.390991 W Lon
At top prod interval reported below NWNW 330FNL 375FWL
At total depth SWSW 360FSL 423FWL

10. Field and Pool, or Exploratory
DIAMONDTAIL

11. Sec., T., R., M., or Block and Survey
or Area Sec 14 T23S R32E Mer NMP

12. County or Parish LEA 13. State NM

14. Date Spudded
08/14/2014

15. Date T.D. Reached
09/21/2014

16. Date Completed
 D & A Ready to Prod.
12/20/2014

17. Elevations (DF, KB, RT, GL)*
3713 GL

18. Total Depth: MD 14280 TVD 9850

19. Plug Back T.D.: MD 14189 TVD

20. Depth Bridge Plug Set: MD TVD

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

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

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
17.500	13.375 J55	48.0	0	1303		950		0	290
12.250	9.625 J55	40.0	0	4945		1500		0	120
8.500	5.500 L80	20.0	0	14280		2345		624	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9375							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9800	14162	9800 TO 14162	0.000	1120	OPEN (17644) BS
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9800 TO 14162	FRAC WITH 5,709,139 GAL TOTAL FLUID & 6,015,433 # SAND.

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
12/20/2014	12/29/14	24	→	219.0	414.0	1538.0	44.0		GAS LIFT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
23	650	326.0	→	219	414	1538	1890	POW	

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	
			→						

ACCEPTED FOR RECORD
MAR 18 2015
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #295364 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED **

Reclamation Dec: 11/2/2005

MAP 26 2015

pm

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	4995	5817	WATER	RUSTLER	1190
CHERRY CANYON	5817	7075	WATER	DELAWARE	4995
BRUSHY CANYON	7175	8281	WATER, OIL, GAS	CHERRY CANYON	5817
BONE SPRING	8780	10100	WATER, GAS, OIL	BONE SPRING	8780

32. Additional remarks (include plugging procedure):

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 #295364 Verified by the BLM Well Information System.
 For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs
 Committed to AFMSS for processing by LINDA JIMENEZ on 03/18/2015 (15LJ0837SE)**

Name (please print) ARICKA EASTERLING Title REGULATORY ANALYST

Signature (Electronic Submission) Date 03/18/2015

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.