

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

0CD - Artesia

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

5. Lease Serial No.
NMLC067132

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No
SCR-150

2. Name of Operator
CIMAREX ENERGY CO OF COLORADO
Contact NATALIE E KRUEGER
Email: nkrueger@cimarex.com

8. Lease Name and Well No.
EMPIRE 20 FEDERAL COM 002

3. Address 600 N. MARIENFELD ST., STE. 600
MIDLAND, TX 79701

3a. Phone No (include area code)
Ph: 432-620-1936

9 API Well No.
30-015-31046 S3

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

10. Field and Pool, or Exploratory
LOCO HILLS; WOLFCAMP

11. Sec. T., R., M., or Block and Survey
or Area Sec 20 T18S R29E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
04/18/2000

15. Date T.D. Reached
05/19/2000

16. Date Completed
☐ D & A ☒ Ready to Prod.
04/30/2011

17. Elevations (DF, KB, RT, GL)*
3513 GL

18. Total Depth: MD 11300
TVD

19. Plug Back T.D.: MD 10565
TVD

20. Depth Bridge Plug Set. MD 10600
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
LOGS RUN ON INITIAL COMPLETION

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	48.0	0	304		375		0	
11.000	8.625	32.0	0	3230		1950		0	
7.875	5.500	17.0	0	11300		733		6810	

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	9041							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	8912	8980	8912 TO 8980	0.410	68	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8912 TO 8980	119 BBL 15% NEFE HCL AND 125 BALL SEALERS

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
04/16/2011	05/15/2011	24	→	80	520	00	39.3	1.16	Electric Pumping Unit
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
14/64	SI	45.0	→				6500	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	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	SI		→						

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

ELECTRONIC SUBMISSION #115385 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

4/13/11 PA Turkey Track Atoka <GAS> & Turkey Track Morrow North <GAS>

ACCEPTED FOR RECORD
AUG 20 2011
J. Jones
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE
ELECTRIC PUMPING UNIT
RECEIVED
AUG 24 2011
NMOCD ARTESIA

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

32. Additional remarks (include plugging procedure)

11138-50 squeezed in 2001
10658-70 squeezed in 2001
10658-70 squeezed in 2001

04-14-11 Gauge ring run to top of plug @ 11100 and 35 ft cmt dump bailed on top.
Additional plug set at 10600 with 35 ft cmt on top. New PBTD 10565.

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 #115385 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO. OF COLORADO, sent to the Carlsbad

Name (please print) NATALIE E KRUEGER

Title REGULATORY

Signature (Electronic Submission)

Date 08/17/2011

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

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Current Completion

KB: 3530.0'
DF: 3529.0'
GL: 3513.0'
Datum: 17.0' above GL

Empire 20 Fed Com #2

Jim Howell 9/17/10

660' FSL & 1650' FEL
Sec 20-T18S-R29E
Eddy Co., NM

13-3/8", 48#, H-40 @ 404'
cmt w/ 375 sx, TOC @ surface

8-5/8", 32#, J-55 @ 3230'
cmt w/ 1950 sx, TOC @ surface

DV Tool @ 6998'
cmt w/ 500 sx, TOC 2nd stg. @ 3067'

2 3/4" tbg @ 9041 w/ Rod Pump

CIBP @ 10600 w/ 35' cmt on top

Addtl 35' cmt with gauge ring @ 11100

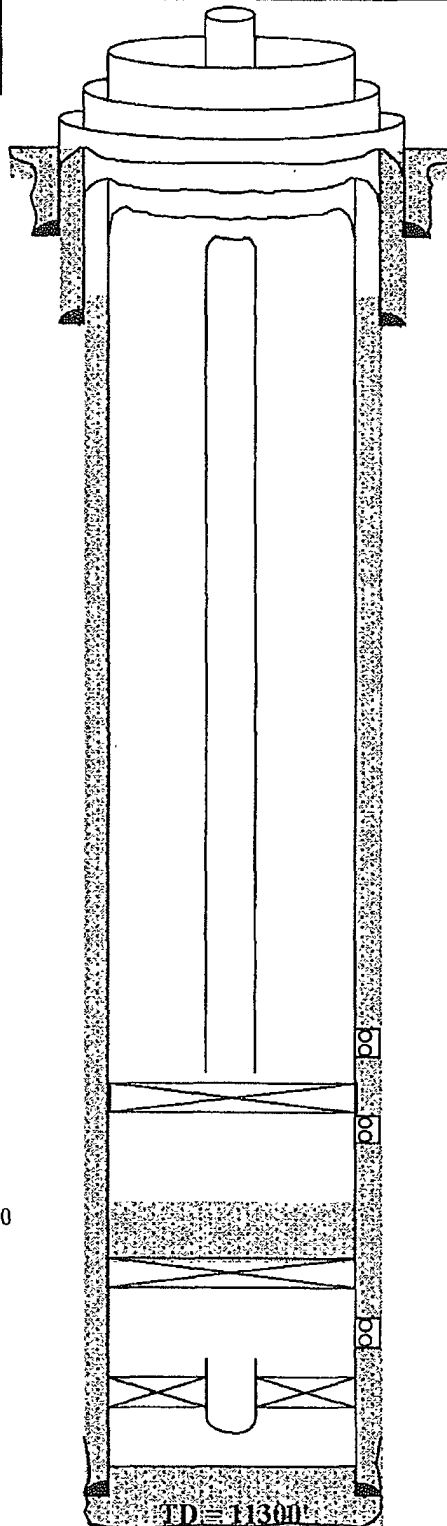
CIBP @ 11,100' w/ 2 sx on top

Top of fish @ 11,156'

(1-1/2 jts 2-3/8", PermaLatch &
Perf tools)

PBTD = 11,247' (FC 11,255')

5-1/2", 17#, S-95 & N-80 @ 11,300'
cmt w/ 445 sx, TOC 1st stage @ DV



Perfed 8912-8930 w/ 3 spf (Wolfcamp)

Perfed 10658'-70' w/ 6 spf (Atoka)

Perfed 11,138'-50' w/ 6 spf

(morrow)