

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Operator Copy

HOBBS OCE

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

MAR 29 2012

5. Lease Serial No.
NMNM14124

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Other			7. Unit or CA Agreement Name and No.		
2. Name of Operator CIMAREX ENERGY COMPANY OF TEXAS Contact: CAROLYN LARSON Email: clarson@cimarex.com			8. Lease Name and Well No. MARQUARDT 12 PENN FEDERAL 1		
3. Address: 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701			9. API Well No. 30-015-33461-00-C2		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNE 880FSL 1760FEL At top prod interval reported below SWNE 880FSL 1760FEL At total depth SWNE 880FSL 1760FEL			10. Field and Pool, or Exploratory SAGE DRAW WHITE CITY		
14. Date Spudded 07/25/2011			15. Date T.D. Reached 08/12/2011		
16. Date Completed ☐ D & A ☒ Ready to Prod. 08/22/2011			17. Elevations (DF, KB, RT, GL)* 3254 GL		
18. Total Depth: MD 12150 TVD 12079			19. Plug Back T.D.: MD 11165 TVD 11165		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE		
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
17.000	13.375 J-55	54.5		218		225		0	
12.250	9.625 N-80	40.0		3204		1000		0	
8.750	5.500 P-110	17.0		12141		2150		3640	

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	9189	9260						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) CISCO C2	10078	10294	9359 TO 9479	0.000	60	OPEN, Wolfcamp
B)			9513 TO 9600	0.000	66	OPEN, Wolfcamp C3
C)			9648 TO 9781	0.000	60	OPEN, Wolfcamp
D)			10078 TO 10172	0.000	57	OPEN, Cisco C2

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

Depth Interval	Amount and Type of Material
9359 TO 9479	ACDZ & FRAC'D W/263,042 GALS SLICKWATER & 219,259# 40/70 SAND
9513 TO 9600	ACDZ & FRAC'D W/221,206 GALS SLICKWATER & 169,614# 40/70 SAND
9648 TO 9781	ACDZ & FRAC'D W/273,232 GALS SLICKWATER & 229,628# 40/70 SAND
10078 TO 10172	ACDZ & FRAC'D W/215,402 GALS SLICKWATER & 169,070# 40/70 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
08/13/2011	09/09/2011	24	→	11.0	270.0	37.0	59.0		FLOW FROM WELL
Choke Size	Tbg. Press. Flwg SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
OPEN	1000	0.0	→	11	270	37	24545	PGW	ACCEPTED FOR RECORD

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
			→						JAN 7 2012
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 reverse side)

ELECTRONIC SUBMISSION #127344 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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	

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	

30. Summary of Porous Zones (Include Aquifers):

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth

#43. 10,204'-10,294' 60 holes Open
#44. 10,204'-10,294' Acdz & frac'd w/180,074 gals Slickwater w/114,531# 40/70 sand
#54. C-102, wellbore diagram

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:	

Electronic Submission #127344 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH MCKINNEY on 01/06/2012 (12DLM0389SE)

Title CONTRACT REGULATORY ANALYST

Date 01/04/2012

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****