

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD - Artesia

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM14847

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 ☐ Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No	
2. Name of Operator CIMAREX ENERGY COMPANY OF TEXAS		8. Lease Name and Well No PERE MARQUETTE 18 FEDERAL 6	
3. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701		9. API Well No. 30-015-39052-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNE 989FNL 1650FEL 32.839113 N Lat, 104.110974 W Lon At top prod interval reported below NWNE 989FNL 1650FEL At total depth NWNE 989FNL 1650FEL		10. Field and Pool, or Exploratory EMPIRE GLORIETA-YESO	
14. Date Spudded 05/17/2011		11. Sec., T., R., M., or Block and Survey or Area Sec 18 T17S R29E Mer NMP	
15. Date T.D. Reached 05/24/2011		12. County or Parish EDDY	
16. Date Completed ☐ D & A ☒ Ready to Prod. 06/01/2011		13. State NM	
17. Elevations (DF, KB, RT, GL)* 3681 GL			
18. Total Depth: MD 5268 TVD		19. Plug Back T.D.: MD 5244 TVD	
20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) POROSITY&RESIST		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 Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	9.625 K-55	36.0	0	298		400		0	
8.750	5.500 N-80	17.0	0	5268		1100		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)
2.875	4706							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	3865	4135	3865 TO 4135	1.420	52	Open, Paddock
B) BLINEBRY	4226	4635	4226 TO 4635	0.420	44	Open, Blinebry
C)						
D)						

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

Depth Interval	Amount and Type of Material
3865 TO 4135	1,365,107 gal slickwater, 537,275# 40/70 sand
4226 TO 4635	1,132,723 gal slickwater, 446,227# 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
06/20/2011	07/09/2011	24	→	135.0	210.0	867.0	36.9	1.00	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
OPEN	170	120.0	→	135	210	867	1556	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	
			→						

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

ELECTRONIC SUBMISSION #116210 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

SEP 4 2011

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SEP 12 2011
OCD ARTESIA

RECLAMATION
DUE 12-1-16

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
SAN ANDRES	2443	3831	DOLOMITE	TOP SALT	200
PADDOCK	3860	4406	DOLOMITE	BASE OF SALT	700
BLINEBRY	4406	5235	DOLOMITE	SAN ANDRES	2443
TUBB	5235		SANDSTONE	GLORIETA	3831
				PADDOCK	3860
				BLINEBRY	4406
				TUBB	5235

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 #116210 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 08/29/2011 (11DLM1253SE)

Name (please print) NATALIE E KRUEGER

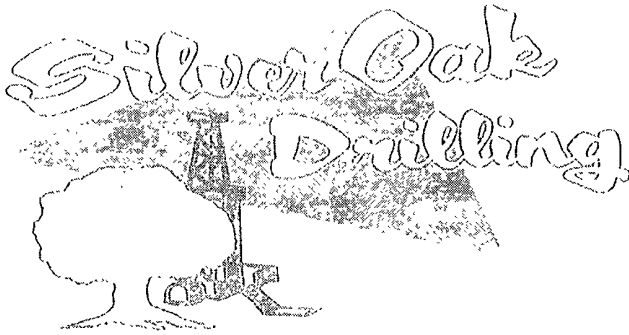
Title REGULATORY

Signature (Electronic Submission)

Date 08/26/2011

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.

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



PO Box 1370
Alameda, NM 88211-1370
HOBBS OCD
(505) 748-1288

JAN 30 2012

RECEIVED

May 27, 2011

30-015-39052

Cimarex Energy Co.
Attn: Jim Evans
600 N. Marienfeld, Suite 600
Midland, TX 79701

RE: Pere Marquette 18 Federal #6
989' FNL & 1650' FEL
Sec. 18, T17S, R29E
Eddy County, New Mexico

Dear Sir,

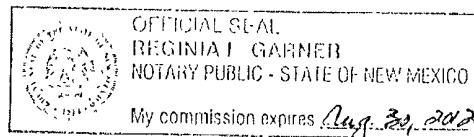
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 27th day of May, 2011.

Regina B. Garner
Notary Public

Pason DataHub Deviation Survey
Well Dossier 1305670973 - Pere Marquette 18 Fed #6

#	Date	Depth	Deviation
	5/18/2011	268	0.60
	5/19/2011	495	0.90
	5/19/2011	710	0.70
	5/19/2011	957	0.60
	5/20/2011	1396	0.50
	5/20/2011	1871	0.40
	5/20/2011	2371	0.00
	5/21/2011	2562	0.20
	5/21/2011	3036	0.40
	5/22/2011	3320	0.40
	5/23/2011	3793	0.50
	5/23/2011	4271	0.60
	5/23/2011	4610	0.70
	5/24/2011	4593	0.70
	5/24/2011	4992	0.80
	5/24/2011	5198	0.80
#	EOF		

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S St. Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Co. of Colorado 600 N. Marienfeld., Ste. 600 Midland, TX 79701		² OGRID Number 162683
		³ Reason for Filing Code/ Effective Date NW / 06-01-11
⁴ API Number 30-015-39052	⁵ Pool Name Empire; Glorieta-Yeso	⁶ Pool Code 96210
⁷ Property Code 38581	⁸ Property Name Pere Marquette 18 Federal	⁹ Well Number 006

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
B	18	17S	29E		989	North	1650	East	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 07-06-11	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
21778	Sunoco Inc R&M PO Box 2039 Tulsa, OK		O	
180055	Duke Energy Field Services 6120 S. Yale Ave. Ste 1100 Tulsa, OK		G	

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IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description Same as above
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V. Well Completion Data

²⁵ Spud Date 05-17-11	²⁶ Ready Date 06-01-11	²⁷ TD 5268	²⁸ PBTB 5214	²⁹ Perforations Blinbry 4226-4635 Paddock 3865-4135	³⁰ DIHC, MC
³¹ Hole Size 14.75	³² Casing & Tubing Size 9.625	³³ Depth Set 298	³⁴ Sacks Cement 400		
8.75	5.5	5268	1100		
	2.875	4706			

VI. Well Test Data

³⁵ Date New Oil 06-20-11	³⁶ Gas Delivery Date 07-06-11	³⁷ Test Date 07-09-11	³⁸ Test Length 24 hrs	³⁹ Tbg. Pressure 170	⁴⁰ Csg. Pressure 120
⁴¹ Choke Size Open	⁴² Oil 135	⁴³ Water 867	⁴⁴ Gas 210	⁴⁵ AOF	⁴⁶ Test Method Producing

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Natalie Krueger*
Printed name: Natalie Krueger

Title: Regulatory Analyst

E-mail Address: nkrueger@cimarex.com

Date: August 26, 2011 Phone: 432-620-1936

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

JAN 30 2012

dm