

DISTRICT I

1825 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

1820 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

Revised July 16, 2010

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-38998	Pool Code 96210	Pool Name Empire; Glorieta-Yeso
Property Code 38581	Property Name PERE MARQUETTE 18 FEDERAL	Well Number 10
OCRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3694'

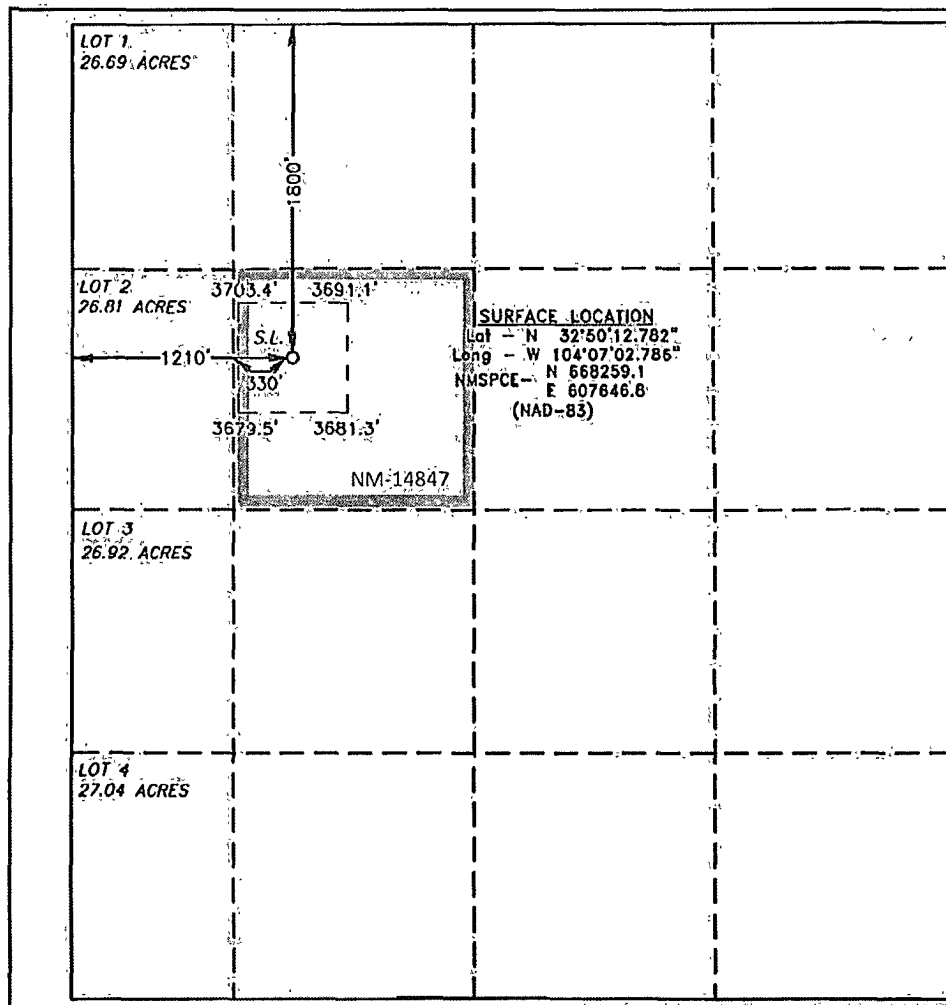
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	18	17 S	29 E		1800	NORTH	1210	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No. NSP-1953
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

OPERATOR CERTIFICATION

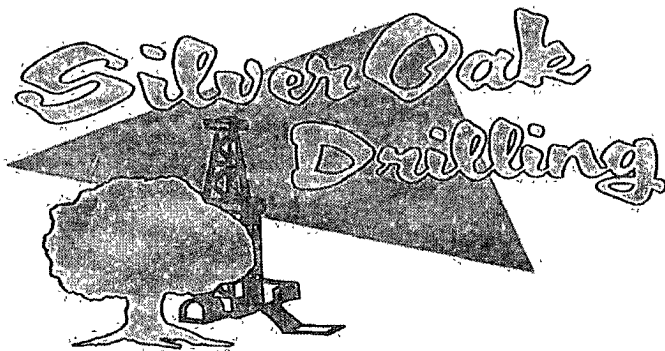
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement, or a compulsory pooling order heretofore entered by the division.

Natalie Krueger 9/6/2011
Signature Date
Printed Name
nkrueger@cimarex.com
Email Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

[Signature] 10/26/2011
Date Surveyed
Signature and Seal of Professional Surveyor
Certificate No. Gary L. Jones 7977
BASIN SURVEYS 23854



1538998

PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

June 9, 2011.

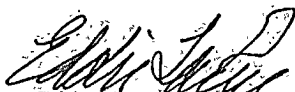
Cimarex Energy Co.
Attn: Jim Evans
600 N. Marienfeld, Suite 600
Midland, TX 79701

RE: Pere Marquette 18 Federal #10
1800' FNL & 1210' FWL
Sec. 18, T17S, R29E
Eddy County, New Mexico

Dear Sir,

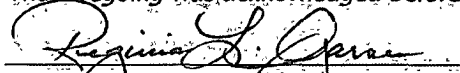
The attached is the Deviation Survey for the above captioned well.

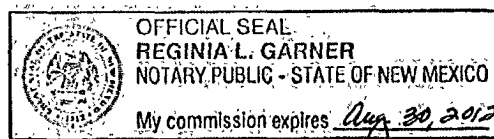
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 9th day of June, 2011.


Regina L. Garner
Notary Public



Pason DataHub Deviation Survey
Well Dossier 1306534214 - Pere Marquette 18 Fed #10
#

#	Date	Depth	Deviation
	5/28/2011	260	3.80
	5/29/2011	288	2.90
	5/29/2011	533	2.80
	5/29/2011	779	2.90
	5/30/2011	1028	3.40
	5/30/2011	1281	3.20
	5/30/2011	1534	3.00
	5/31/2011	2007	2.80
	5/31/2011	2259	3.50
	6/1/2011	2480	3.40
	6/1/2011	2637	2.90
	6/2/2011	2858	2.50
	6/2/2011	3109	3.40
	6/3/2011	3361	3.50
	6/4/2011	3551	2.90
	6/4/2011	3803	0.20
	6/5/2011	4276	0.40
	6/5/2011	4749	0.40
	6/6/2011	5212	0.10

EOF

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

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

2. Name of Operator: CIMAEX ENERGY COMPANY OF (Email: nkruieger@cimarex.com) Contact: NATALIE E KRUEGER

3. Address: 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701 3a. Phone No. (include area code) Ph: 432-620-1936

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 18 T17S R29E Mer NMP SENW Lot F 1800FNL 1210FWL 32.836884 N Lat, 104.117441 W Lon
At top prod interval reported below:
At total depth:

5. Lease Serial No. NMNM14847

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. PERE MARQUETTE 18 FEDERAL 10

9. API Well No. 30-015-38998-00-S1

10. Field and Pool, or Exploratory. EMPIRE

11. Sec., T., R., M., or Block and Survey or Area Sec 18 T17S R29E Mer NMP

12. County or Parish EDDY 13. State NM

14. Date Spudded 05/27/2011 15. Date T.D. Reached 06/06/2011 16. Date Completed ☐ D & A ☒ Ready to Prod. 07/13/2011

17. Elevations (DF, KB, RT, GL)* 3694 GL

18. Total Depth: MD 5282 TVD 19. Plug Back T.D.: MD 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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	9.625 J-55	36.0	0	300		550		0	
8.750	5.500 N-80	17.0	0	5282		1175		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	4685							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINEBRY	4220	4670	4220 TO 4670	0.420	32	OPEN, Blinebry
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4220 TO 4670	1,165,350 gal slickwater, 399,708# 100 mesh

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
07/23/2011	08/16/2011	24	→	52.0	268.0	405.0	39.1	1.33	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
WO	120	90.0	→	52	268	405	5154	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. SI	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 #117185 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECLAMATION
DUE 1-13-12

ACCEPTED FOR RECORD

SEP 17 2011

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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	3801	DOLOMITE	TOP SALT	200
GLORIETA	3801	4408	SANDSTONE	BASE OF SALT	700
BLINEBRY	4408	5235	DOLOMITE	SAN ANDRES	2443
TUBB	5235		SANDSTONE	GLORIETA	3801
				BLINEBRY	4408
				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 #117185 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 09/14/2011 (11KMS2535SE)

Name (please print) NATALIE E KRUEGER

Title REGULATORY

Signature (Electronic Submission)

Date 09/09/2011

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 ****