

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 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 30-015-38951	Pool Code 96210	Pool Name Empire; Glorieta-Yeso
Property Code 38581	Property Name PERE MARQUETTE 18 FEDERAL	Well Number 1
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3713'

Surface Location

UL or lot No. LOT 1	Section 18	Township 17 S	Range 29 E	Lot Idn	Feet from the 330	North/South line NORTH	Feet from the 330	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

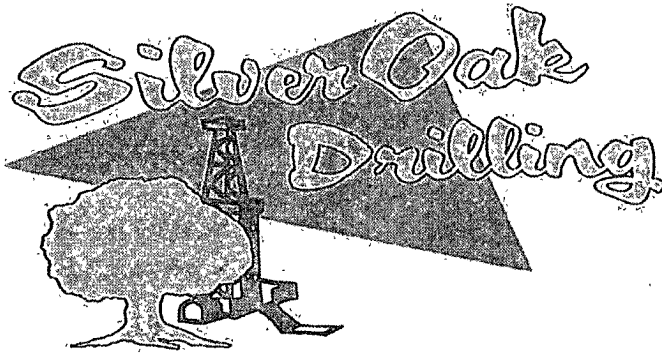
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 26.69	Joint or Infill	Consolidation Code	Order No. NSP-1953
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

3708.8' 3716.0'	SURFACE LOCATION Lot - N 32°50'27.324" Long - W 104°07'13.043" NMSPCE - N 669727.0' E 606768.7' (NAD-83)	LOT 1 26.69 ACRES	LOT 2 26.81 ACRES	LOT 3 26.92 ACRES	LOT 4 27.04 ACRES

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. <i>Natalie Krueger</i> 7/27/2011 Signature Date Natalie Krueger 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. DECEMBER 28 2010 Date Surveyed Signature Seal of Professional Surveyor W.O. No. 23845 Certificate No. Gary L. Jones 7977 BASIN SURVEYS 23845	



65-38951

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

May 9, 2011

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

RE: Pere Marquette 18 Federal #1
330' FNL & 330' 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,

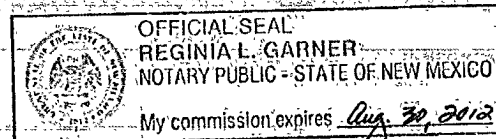
A handwritten signature in cursive script, appearing to read "Eddie C. LaRue".

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

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

A handwritten signature in cursive script, appearing to read "Regina L. Garner".

Notary Public

Pason DataHub Deviation Survey

Well Dossier 1303912837 - PERE MARQUETTE 18 FED #1

#	Date	Depth	Deviation
	4/30/2011	321	1.90
	4/30/2011	475	1.30
	4/30/2011	658	0.20
	5/1/2011	1096	0.10
	5/1/2011	1568	0.40
	5/1/2011	2041	0.50
	5/1/2011	2481	0.50
	5/2/2011	2677	0.40
	5/2/2011	3141	0.30
	5/2/2011	3584	0.40
	5/3/2011	4056	0.70
	5/4/2011	4355	0.50
	5/5/2011	4813	0.60
	5/5/2011	5220	1.00

EOF

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Operator

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

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 1									
9. API Well No. 30-015-38951-00-S1									
10. Field and Pool, or Exploratory EMPIRE GLORIETA-YESO									
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 04/27/2011									
15. Date T.D. Reached 05/05/2011									
16. Date Completed ☐ D & A ☒ Ready to Prod. 06/17/2011									
17. Elevations (DF, KB, RT, GL)* 3713 GL									
18. Total Depth: MD 5260 TVD									
19. Plug Back T.D.: MD 5214 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
11.000	9.625 J-55	36.0	0	309		725		0	
8.750	5.500 P-110	17.0	0	5260		1514		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	4654								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) PADDOCK	3865	4135	3865 TO 4135	0.420	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	1365107 g slickwater, 537275# 40/70 sand								
4226 TO 4635	1132423 g slickwater, 446227# 40/70 sand								
	AUG 7 2011								
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
06/21/2011	07/19/2011	24	→	45.0	170.0	1001.0	40.8	1.00	PRODUCTION METHOD MANAGEMENT CARL SPAD FIELD OFFICE 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	
WO	75	40.0	→	45	170	1001	3778	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 #114175 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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	3805	DOLOMITE	TOP SALT	200
PADDOCK	3860	4392	DOLOMITE	BASE OF SALT	700
BLINEBRY	4392	5200	DOLOMITE	SAN ANDRES	2443
TUBB	5200		SANDSTONE	GLORIETA	3805
				PADDOCK	3860
				BLINEBRY	4392
				TUBB	5200

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 #114175 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 08/01/2011 (11KMS2208SE)

Name (please print) NATALIE E KRUEGER

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/29/2011

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 ** REVISED ****