

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> 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 10		
3. Address 600 NORTH MAHLENFELD STREET SUITE 600 MIDLAND, TX 79701			9. API Well No. 30-015-38998-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 18 T17S R29E Mer NMP At surface SENW Lot F 1800FNL 1210FWL 32.836884 N Lat, 104.117441 W Lon At top prod interval reported below At total depth			10. Field and Pool, or Exploratory EMPIRE		
14. Date Spudded 05/27/2011			15. Date T.D. Reached 06/06/2011		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/13/2011			17. Elevations (DF, KB, RT, GL)* 3694 GL		
18. Total Depth: MD TVD 5282		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? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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			

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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

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

**RECLAMATION**  
**DUE 1-13-12**

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	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	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 \*\***

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

**ACCEPTED FOR RECORD**

SEP 17 2011

## 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 ANDRÉS	2443	3801	DOLOMITE	TOP SALT	200
GLORIETA	3801	4408	SANDSTONE	BASE OF SALT	700
BLINEBRY	4408	5235	DOLOMITE	SAN ANDRÉS	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)**

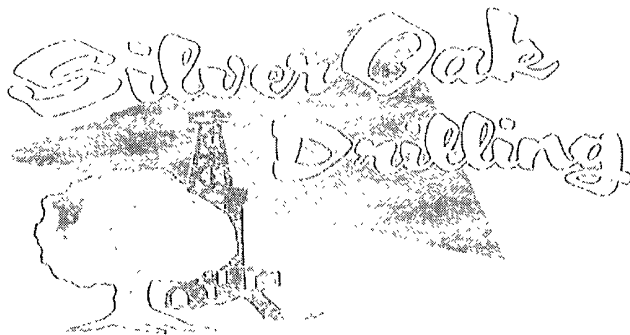
Name (please print) NATALIE E KRUEGERTitle REGULATORY

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 \*\***



30-015-38998

PO Box 1370  
Artesia, NM 88211-1370  
(505) 748-1286

**HOBBS OCD**

**JAN 30 2012**

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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,

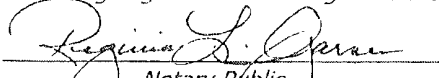
The attached is the Deviation Survey for the above captioned well.

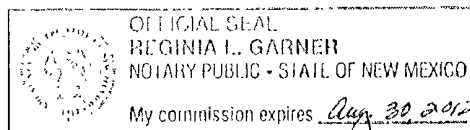
Very truly yours,

  
Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 9<sup>th</sup> 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

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

<sup>1</sup> Operator name and Address Cimarex Energy Co. of Colorado 600 N. Marienfeld., Ste. 600 Midland, TX 79701		<sup>2</sup> OGRID Number 162683
		<sup>3</sup> Reason for Filing Code/ Effective Date NW / 07-23-11
<sup>4</sup> API Number 30-015-38998	<sup>5</sup> Pool Name Empire; Glorieta-Yeso	<sup>6</sup> Pool Code 96210
<sup>7</sup> Property Code 38581	<sup>8</sup> Property Name Pere Marquette 18 Federal	<sup>9</sup> Well Number 010

II. <sup>10</sup> 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	17S	29E		1800	North	1210	West	Eddy

<sup>11</sup> 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
F									
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 07-23-11	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> 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

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description Same as above
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V. Well Completion Data

<sup>25</sup> Spud Date 05-27-11	<sup>26</sup> Ready Date 07-13-11	<sup>27</sup> TD 5282	<sup>28</sup> PBTB 5230	<sup>29</sup> Perforations 4220-4670	<sup>30</sup> DHC, MC
<sup>31</sup> Hole Size 14.75	<sup>32</sup> Casing & Tubing Size 9.625	<sup>33</sup> Depth Set 300	<sup>34</sup> Sacks Cement 550		
8.75	5.5	5282	1175		
	2.875	4685			

VI. Well Test Data

<sup>35</sup> Date New Oil 07-23-11	<sup>36</sup> Gas Delivery Date 07-23-11	<sup>37</sup> Test Date 08-16-11	<sup>38</sup> Test Length 24 hrs	<sup>39</sup> Tbg. Pressure 120	<sup>40</sup> Csg. Pressure 90
<sup>41</sup> Choke Size Open	<sup>42</sup> Oil 52	<sup>43</sup> Water 405	<sup>44</sup> Gas 268	<sup>45</sup> AOF	<sup>46</sup> Test Method Producing

<sup>47</sup> 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](mailto:nkrueger@cimarex.com)

Date: September 9, 2011 Phone: 432-620-1936

OIL CONSERVATION DIVISION

Approved by:

*T. C. Sharnard*  
*Geologist*

Title:

Approval Date:

JAN 30 2012

*dm*