

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM14847

1a Type of Well Oil Well Gas Well Dry Other
 b Type of Completion New Well Work Over Deepen Plug Back Diff Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No

2. Name of Operator **CIMAREX ENERGY COMPANY OF TEXAS** Contact: **TERRI STATHEM**
 Email: **tstathem@cimarex.com**

8. Lease Name and Well No.
PERE MARQUETTE 18 FEDERAL 3

3. Address **600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701** 3a. Phone No (include area code) Ph: **432.571.7800**

9. API Well No.
30-015-39031-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **NWNE 330FNL 2310FEL 32.840924 N Lat, 104.112145 W Lon**
 At top prod interval reported below **NWNE 330FNL 2310FEL**
 At total depth **NWNE 330FNL 2310FEL**

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 **09/10/2011** 15. Date T.D. Reached **09/18/2011** 16. Date Completed D & A Ready to Prod **10/03/2011**

17. Elevations (DF, KB, RT, GL)*
3676 GL

18. Total Depth **MD TVD 4850** 19. Plug Back T.D.: **MD TVD 4850** 20. Depth Bridge Plug Set. **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **CNLDLL** 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
12.250	9.625 J-55	36.0	0	298		501		0	
8.750	5.500 N-80	20.0	0	4850		900			

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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	3762							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	3950	4140	3950 TO 4140		52	OPEN, Paddock
B) BLINEBRY	4234	4738	4234 TO 4738		32	OPEN, Blinebry
C)						
D)						

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

Depth Interval	Amount and Type of Material
3950 TO 4140	1190378 GALS TOTAL FLUID; 522054# SAND
4234 TO 4738	1109064 GALS TOTAL FLUID; 398622 # SAND

RECLAMATION DUE 4-3-12

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
10/11/2011	10/13/2012	24	→	12.0	36 0	1177 0	39 8		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	
	110	120.0	→	12	36	1177	3000	POW	

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
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

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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	2364			TOP SALT	200
GLORIETA	3831			BASE OF SALT	700
YESO	3892				
BLINEBRY	4407				
TUBB	5234				

32. Additional remarks (include plugging procedure):
LOGS MAILED VIA OVERNIGHT MAIL

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 #130037 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by JAMES (JIM) HUGHES on 02/03/2012 (12JLH0408SE)**

Name (please print) TERRI STATHEM Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 02/03/2012

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.