

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

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			5. Lease Serial No. NMNM14847		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator CIMAREX ENERGY COMPANY OF CO			8. Lease Name and Well No. PERE MARQUETTE 18 FEDERAL 1		
3. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701			9. API Well No. 30-015-38951-00-S1		
3a. Phone No. (include area code) Ph: 432-620-1936			10. Field and Pool, or Exploratory EMPIRE GLORIETA-YESO		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 18 T17S R29E Mer NMP At surface NWNW Lot 1 330FNL 330FWL 32.840923 N Lat, 104.120290 W Lon At top prod interval reported below At total depth			11. Sec., T., R., M., or Block and Survey or Area Sec 18 T17S R29E Mer NMP		
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 TVD 5260			19. Plug Back T.D.: MD TVD 5214		
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

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	COLLECTOR PUMPS ON 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
			→						RECLAMATION
Choke Size	Tbg. Press. Flwg SI	Csg Press.	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						DUE 12-17-11

(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 **



HOBBS OCD

JAN 30 2012

RECEIVED

PG Box 1770
Artesia, NM 88211-1570
(505) 748-1238

May 9, 2011

30-015-38951

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,

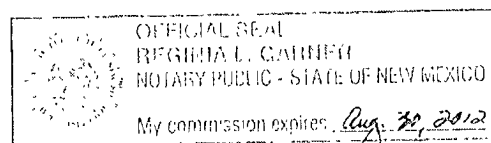
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

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

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