

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

5. Lease Serial No
NMNM0397623

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
FOLK FEDERAL 16

9. API Well No
30-015-39268-00-S1

10. Field and Pool, or Exploratory
EMPIRE
EMPIRE CLORIETA YESO

11. Sec, T, R, M, or Block and Survey
or Area Sec 17 T17S R29E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
09/03/2011

15. Date T D Reached
09/12/2011

16. Date Completed
☐ D & A ☒ Ready to Prod.
10/13/2011

17. Elevations (DF, KB, RT, GL)*
3599 GL

18. Total Depth. MD 5470
TVD 5470

19. Plug Back T D.: MD 5425
TVD 5425

20. Depth Bridge Plug Set. MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPNEUTRONGAMM

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
17.500	13.375 H-40	48.0	0	331		400		0	
11.000	8.625 J-55	24.0	0	957		400		0	
7.875	5.500 J-55	17.0	0	5470		950		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	5098							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) YESO	3970	5200	3970 TO 4220	1 000	26	OPEN, Paddock
B)			4330 TO 4580	1.000	26	OPEN, Upper Blinebry
C)			4640 TO 4890	1 000	26	OPEN, Middle Blinebry
D)			4950 TO 5200	1 000	26	OPEN, Lower Blinebry

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

Depth Interval	Amount and Type of Material
3970 TO 4220	FRAC W/114,627 GALS GEL, 148,221# 16/30 WHITE SAND, 22,511# 16/30 SIBERPROP
3970 TO 4220	ACIDIZE W/3000 GALS 15% HCL
4330 TO 4580	ACIDIZE W/2500 GALS 15% HCL
4330 TO 4580	FRAC W/114,049 GALS GEL, 146,109# 16/30 WHITE SAND, 30,779# 16/30 SIBERPROP

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
10/20/2011	10/23/2011	24	→	126.0	111.0	391.0	2.3	0.60	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	
	70	70.0	→	126	111	391		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 #123810 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

OLD Artesia

RECEIVED
NOV 29 2011
NMOCD ARTESIA

Accepted for record
NMOCD

RECLAMATION
DUE 4/13/12

ACCEPTED FOR RECORD

NOV 25 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
RUSTLER	199		ANHYDRITE	RUSTLER	199
SALADO	300		SALT	SALADO	300
TANSILL	775		DOLOMITE	TANSILL	775
YATES	893		DOLOMITE & SAND	YATES	893
SAN ANDRES	2440		SAND	SAN ANDRES	2440
GLORIETA	3870		DOLOMITE & ANHYDRITE	GLORIETA	3870
YESO	3974		SAND & DOLOMITE	YESO	3974

32 Additional remarks (include plugging procedure)

44. Acid, Fracture, Treatment, Cement Squeeze, etc. CONTINUED...

4640 - 4890 Acidized w/2500 gals 15% HCL
 4640 - 4890 Frac w/114,904 gals gel, 143,548# 16/30 White sand,
 26,932# 16/30 SiberProp
 4950 - 5200 Acidized w/2500 gals 15% HCL.
 4950 - 5200 Frac w/115,002 gals gel, 145,397# 16/30 White sand,

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 #123810 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 11/23/2011 (12KMS0429SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 11/21/2011

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 ****

Additional data for transaction #123810 that would not fit on the form

32. Additional remarks, continued

30,169# 16/30 SiberProp

LOGS WILL BE MAILED