

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. NMNM0467931

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. ELECTRA FEDERAL 50

9. API Well No. 30-015-37411-00-S1

10. Field and Pool, or Exploratory LOCO HILLS GLOR-YESIO K-2

11. Sec., T., R., M., or Block and Survey or Area Sec 10 T17S R30E Mer NMP

12. County or Parish EDDY

13. State NM

14. Date Spudded 12/19/2010

15. Date T.D. Reached 12/30/2010

16. Date Completed ☐ D & A 01/18/2011 ☒ Ready to Prod.

17. Elevations (DF, KB, RT, GL)\* 3720 GL

18. Total Depth: MD 6086 TVD

19. Plug Back T.D.: MD 5980 TVD

20. Depth Bridge Plug Set: MD TVD

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

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	453		1000		0	
11.000	8.625 J-55	24.0	0	1202		600		0	
7.875	5.500 J-55	17.0	0	6076		1000			

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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	5744							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4510	4790	4510 TO 4790	1.000	29	OPEN, PADDOCK
B) BLINEBRY	5550	5750	5010 TO 5210	1.000	26	OPEN, UPPER BLINEBRY
C)			5280 TO 5480	1.000	26	OPEN, MIDDLE BLINEBRY
D)			5550 TO 5750	1.000	26	OPEN, LOWER BLINEBRY

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

Depth Interval	Amount and Type of Material
4510 TO 4790	ACIDIZED W/3000 GALS 15% HCL.
4510 TO 4790	FRAC W/117,591 GALS GEL, 143,326# 16/30 WHITE SAND, 16,067# 16/30 SIBERPROP. FEB 27 2011
5010 TO 5210	ACIDIZED W/3500 GALS 15% HCL.
5010 TO 5210	FRAC W/127,473 GALS GEL, 145,030# 16/30 WHITE SAND, 39,702# 16/30 SIBERPROP. J. Amos

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
01/21/2011	01/26/2011	24	→	183.0	269.0	420.0	38.7	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	
			→	183	269	420		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 #102923 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

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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
YATES	1313		DOLOMITE & SAND	YATES	1313
QUEEN	2214		SAND	QUEEN	2214
SAN ANDRES	2944		DOLOMITE & ANHYDRITE	SAN ANDRES	2944
GLORIETA	4381		SAND & DOLOMITE	GLORIETA	4381
YESO	4475		DOLOMITE & ANHYDRITE		
TUBB	5909				

## 32. Additional remarks (include plugging procedure):

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

5280 - 5480 ACIDIZED W/3500 GALS 15% HCL.

5280 - 5480 FRAC W/131,445 GALS GEL, 148,175# 16/30 WHITE SAND, 49,214# 16/30 SIBERPROP.

5550 - 5750 ACIDIZED W/3500 GALS 15% HCL.

5550 - 5750 FRAC W/????? GALS GEL, 150,233# 16/30 WHITE SAND, 34,188# 16/30 SIBERPROP.

## 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 #102923 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 02/23/2011 (11KMS0910SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 02/21/2011

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 #102923 that would not fit on the form**

**32. Additional remarks, continued**

LOGS WILL BE MAILED.