

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No
NMLC028784B

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No
NMNM88525X

8. Lease Name and Well No.
BURCH KEELY UNIT 609

9. API Well No.
30-015-38645-00-X1

10. Field and Pool, or Exploratory
GRAYBURG JACKSON

11. Sec., T., R., M., or Block and Survey
or Area Sec 23 T17S R29E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
08/11/2011

15. Date T.D. Reached
08/19/2011

16. Date Completed
☐ D & A ☒ Ready to Prod.
09/15/2011

17. Elevations (DF, KB, RT, GL)*
3582 GL

18. Total Depth. MD 4823
TVD 4823

19. Plug Back T.D.: MD 4775
TVD 4775

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 Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0		331		400			
11.000	8.625 J55	24.0		884		500			
7.875	5.500 J55	17.0		4823		900			
17.500	13.375 H-40	48.0	0	331		400		0	
11.000	8.625 J-55	24.0	0	884		500		0	
7.875	5.500 J-55	17.0	0	4823		900		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	4578							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SR-QN-GB-SA			4080 TO 4330	0.410	26	OPEN
B) PADDOCK	4080	4708	4400 TO 4708	0.410	29	OPEN
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4080 TO 4330	ACIDIZE W/2,500 GALS 15% ACID.
4080 TO 4330	FRAC W/118,501 GALS GEL, 133,974# 16/30 BRADY SAND, 16,477# 16/30 SIBERPROP.
4400 TO 4708	ACIDIZE W/2,500 GALS 15% ACID.
4400 TO 4708	FRAC W/177,422 GALS GEL, 103,650# 16/30 BRADY SAND, 18,417# 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
09/20/2011	09/21/2011	24	→	122.0	267.0	344.0	38.7	2188.00	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	
		70.0	→	122	267	344		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 #120929 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Accepted for record

NMOCD

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	262		ANHYDRITE	TOP SALT	364
SALADO	364		SALT	YATES	908
YATES	908		DOLOMITE & SAND	SAN ANDRES	1813
QUEEN	1813		DOLOMITE & ANHYDRITE	QUEEN	2520
SAN ANDRES	2520		SAND	GLORIETA	4049
GLORIETA	3981		DOLOMITE & ANHYDRITE		
YESO	4049		SAND & DOLOMITE		

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 #120929 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 10/25/2011 (12KMS0147SE)

Name(please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 10/20/2011

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 ****