

Submittal Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-105
Revised 1-1-89

WELL API NO.

30-015-34495

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

E-742

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. Type of Well:

OIL WELL ☒

GAS WELL ☐

DRY ☐

OTHER ☐

b. Type of Completion:

NEW WELL ☒

WORK OVER ☐

Deepen ☐

PLUG BACK ☐

DIFF RESVR ☐

OTHER ☐

RECEIVED

2. Name of Operator

COG Operating LLC

3. Address of Operator

550 W. Texas, Suite 1300, Midland, TX 79701

4. Well Location

Unit Letter K : 2310 Feet From The South Line and 2310 Feet From The West Line

Section 20 Township 17S Range 29E NMPM Eddy County

10. Date Spudded

2/5/2006

11. Date TD Reached

2/20/2006

12. Date Compl. (Ready to Prod.)

3/11/2006

13. Elevations (DF & RKB, RT, GR, etc.)

3636' RKB

14. Elev. Casinghead

3623' GR

15. Total Depth

6020

16. Plug Back TD

5349

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Yes

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

4448-5166.5', Yeso

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray

22. Was Well Cored

No

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8, H-40	48	369	17 1/2	400sx	None
8 5/8, J-55	24	831	12 1/4	500sx	None
5 1/2, J-55	17	6012	7 7/8	1440sx	None

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD	SIZE	DEPTH SET	PACKER SET
						2 7/8	5168	

26. Perforation record (interval, size, and number)

5484-5715', .42, 54 CIBP @ 5384

4448-5166.5', .42, 98

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
4448-5166.5', Yeso See C-103 for detail

28. PRODUCTION

Date First Production 3/15/2006		Production Method (Flowing, gas lift, pumping - Size and type pump) 2 1/2" x 2" x 24' pump					Well Status (Prod. or Shut-in) Producing	
Date of Test 4/17/2006	Hours Tested 24 hours	Choke Size	Prod'n For Test Period	Oil - Bbl. 70	Gas - MCF 90	Water- Bbl. 410	Gas - Oil Ratio 1286	
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl. 70	Gas - MCF 90	Water- Bbl. 410	Oil Gravity - API - (Corr.)		

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

Robert C. Chase

30. List Attachments

Deviation Survey and Logs

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Jerry W. Sherrell

Printed Name

Jerry W. Sherrell

Title

Production Clerk

Date 4/24/2006

100

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico Northwestern New Mexico

OIL OR GAS SANDS OR ZONES

IMPORTANT WATER SANDS

No. 1, from to feet

No. 2, from to feet

No. 3, from to feet

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS

PO BOX 1370 ARTESIA, NEW MEXICO 88211-1370
(505) 746-4405 746-3518 748-2205

February 27, 2006

Mack Energy Corporation
PO Drawer 960
Artesia, NM 88211-0960

RE: Mesquite State #14
2310' FSL & 2310' FWL
Sec. 20, T17S, R29E
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION	DEPTH	DEVIATION
152'	1/4°	2424'	1°
335'	1°	2890'	1/2°
511'	1 1/4°	3326'	1/2°
600'	1 1/4°	3791'	1°
722'	1°	4231'	3/4°
835'	1°	4690'	1°
921'	1°	5125'	1°
1077'	3/4°	5592'	3/4°
1515'	1/2°	6020'	1/2°
1955'	3/4°		

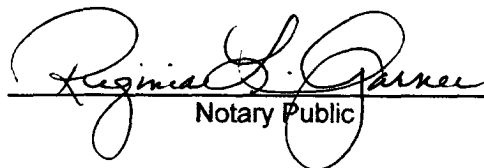
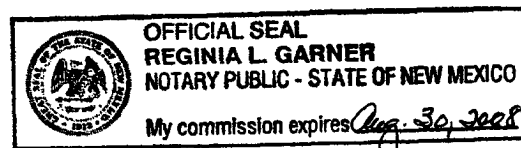
Very truly yours,



Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me this 27th day of February, 2006.


Notary Public

SERVING SOUTHEAST NEW MEXICO AND WEST TEXAS SINCE 1978

06-02-15