

Submit to 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.

30-015-34497

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**

7. Lease Name or Unit Agreement Name

Mesquite State

2. Name of Operator

COG Operating LLC

MAY 22 2006

8. Well No.

16

3. Address of Operator

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

9. Pool name or Wildcat

Empire; Yeso, East-96610

4. Well Location

Unit Letter L : 2310 Feet From The South Line and 330 Feet From The West Line

Section 20 Township 17S Range 29E NMPM Eddy County

10. Date Spudded

3/16/2006

11. Date TD Reached

3/30/2006

12. Date Compl. (Ready to Prod.)

4/23/2006

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

3661' RKB

14. Elev. Casinghead

3647' GR

15. Total Depth

5414

16. Plug Back TD

5404

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

4353-4841.5', 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	355	17 1/2	630sx	None
8 5/8, J-55	24	803	12 1/4	600sx	None
5 1/2, J-55	17	5404	7 7/8	1350sx	None

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25.

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	4850	

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

4353-4841.5', .42, 118

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

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

4353-4841.5'

See C-103 for detail

28.

PRODUCTION

Date First Production

4/26/2006

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

5/10/2006

Hours Tested

24 hours

Choke Size

Prod'n For
Test Period

Oil - Bbl.

67

Gas - MCF

106

Water- Bbl.

412

Gas - Oil Ratio

1537

Flow Tubing Press.

Casing Pressure

Calculated 24-
Hour Rate

Oil - Bbl.

67

Gas - MCF

106

Water- Bbl.

412

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

5/19/2006

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 792	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 1058	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 1638	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 2013	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 2312	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 3764	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permain _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.....
 No. 2, from to feet.....
 No. 3, from to feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

Silver Oak Drilling, LLC

PO Box 1370
Artesia, NM 88211-1370

April 10, 2006

COG, LLC
c/o Mack Energy Corporation
PO Box 960
Artesia, NM 88211-0960

RE: Mesquite St #16
2310' FSL & 330' FWL
Sec. 20, T17S, R29E
Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well from 3/1/06 to TD.

DEPTH	DEVIATION	DEPTH	DEVIATION
157'	1/2°	2764'	1 3/4°
401'	1°	2950'	1 1/4°
710'	1/2°	3138'	1°
927'	3/4°	3449'	1°
1300'	1°	3855'	1°
1601'	1°	4259'	1°
1895'	1 1/4°	4541'	1 1/4°
2266'	1 1/2°	4945'	1 1/2°
2577'	2 1/2°	5380'	2 1/2°

Very truly yours,

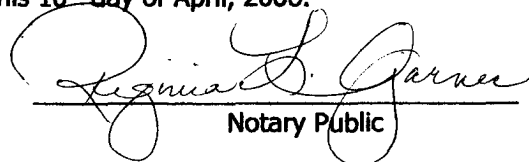


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 10th day of April, 2006.

My Commission Expires: 8/30/08


Notary Public