

Submit To Appropriate District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
District I  
1625 N French Dr., Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-105  
Revised June 10, 2003

WELL API NO.

30-015-35255

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well.

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b Type of Completion

NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF  
WELL OVER BACK RESVR ☐ OTHER ☐

2 Name of Operator

COG Operating LLC

3. Address of Operator

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

4 Well Location

Unit Letter **D** **330** Feet From The **North** Line and **330** Feet From The **West** Line

Section **16** Township **17S** Range **30E** NMPM **Eddy** County

10 Date Spudded  
07/19/07

11. Date T.D. Reached  
08/04/07

12 Date Compl. (Ready to Prod.)  
08/29/07

13. Elevations (DF& RKB, RT, GR, etc.)  
3680 GR

14 Elev Casinghead

15 Total Depth  
6020

16 Plug Back T D  
5941

17 If Multiple Compl. How Many  
Zones?

18. Intervals  
Drilled By

Rotary Tools

Cable Tools

X

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

4828 - 5504

Paddock

20 Was Directional Survey Made

No

21. Type Electric and Other Logs Run

CN / HNGS, Micro CFL / HNGS

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	48	430	17 1/2	448	Circ 200
8 5/8	32	1395	12 1/4	800	Circ 207
5 1/2	17	5927	7-7/8	1550	Circ 100

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8	5546	

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

4828 - 5118 2 SPF, 54 holes OPEN  
5224 - 5504 2 SPF, 64 holes OPEN

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

4828 - 5118 See attachment

5224 - 5504 See attachment

28. PRODUCTION

Date First Production

09/04/07

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

09/23/07

Hours Tested

24

Choke Size

Prod'n For  
Test Period

Oil - Bbl

57

Gas - MCF

170

Water - Bbl

150

Gas - Oil Ratio

2982

Flow Tubing  
Press

Casing Pressure

Calculated 24-  
Hour Rate

Oil - Bbl

Gas - MCF

Water - Bbl

Oil Gravity - API - (Corr.)

38.1

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

Sold

Test Witnessed By

Kent Greenway

30. List Attachments

Logs, C102, C103, Deviation Report, C104

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

Signature

Printed

Name Kanicia Carrillo

Title Regulatory Analyst

Date 09/27/07

E-mail Address kcarrillo@concoresources.com

**Mesilla State #4**  
**API#: 30-015-35255**  
**EDDY, NM**

**C-105 (#27) ADDITIONAL INFORMATION**

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4828 - 5118	Acidize w/ 2500 gals acid.
	Frac w/ 89,628 gals gel,
	8000# LiteProp 14/30, and 89,880# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5224 - 5504	Acidize w/ 2500 gals acid.
	Frac w/ 90,057 gals,
	8000# LiteProp 14/30, and 90,300# 16/30 sand.

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
Permit 42430**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-35255	2. Pool Code 96718	3. Pool Name LOCO HILLS; PADDOCK
4. Property Code 302526	5. Property Name MESILLA STATE	6. Well No. 004
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3680

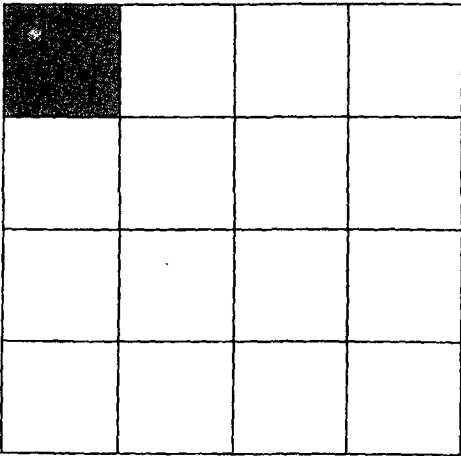
**10. Surface Location**

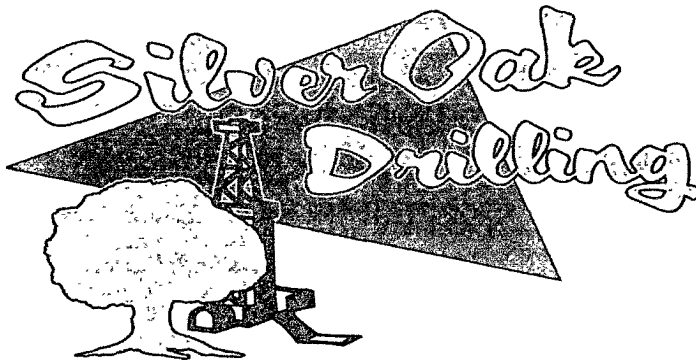
UL - Lot D	Section 16	Township 17S	Range 30E	Lot Idn	Feet From 330	N/S Line N	Feet From 330	E/W Line W	County EDDY
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

	<b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  E-Signed By: Diane Kuykendall Title: Regulatory Analyst Date: 11/29/2006
	<b>SURVEYOR CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Surveyed By: Gary Eidson Date of Survey: 11/13/2006 Certificate Number: 12641



PO Box 1370  
Artesia, NM 88211-1370  
(505) 748-1288

August 7, 2007

COG, LLC  
Fasken Center, Tower II  
550 West Texas Ave, Suite 1300  
Midland, TX 79701

RE: Mesilla State #4  
330' FNL & 330' FEL  
Sec. 16, T17S, R30E  
Eddy County, New Mexico

Dear Sir,

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

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
203.00	1.50	3463.00	0.50
576.00	2.00	3786.00	0.75
849.00	3.00	4117.00	1.00
1089.00	2.50	4425.00	0.75
1684.00	1.00	4769.00	1.25
2029.00	1.00	5111.00	1.00
2371.00	1.00	5451.00	1.00
2684.00	1.25	5824.00	1.50
3029.00	1.25	6000.00	1.25

Very truly yours,

Eddie LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 7<sup>th</sup> day of August, 2007.

  
Notary Public