

State of New Mexico
Energy, Minerals and Natural Resources

Form C-105
Revised June 10, 2003

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



WELL API NO.

30-015-30037

5. Indicate Type of Lease
STATE ☒ FEE ☐

State Oil & Gas Lease No.
E-742

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

7. Lease Name or Unit Agreement Name

Mesquite State

2 Name of Operator

COG Operating LLC

JUN 04 2008

3 Address of Operator

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

OGD-ARTESIA

9 Pool name or Wildcat

96610
Empire; Glorieta-Yeso, EAST

4 Well Location

Unit Letter L 1650 Feet From The South Line and 330 Feet From The West Line

Section 20 Township 17S Range 29E NMPM County Eddy

10. Date Spudded

08/09/1999

11. Date T.D. Reached

03/18/2008

12. Date Compl (Ready to Prod)

05/06/2008

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

3658' KB

14 Elev Casinghead

3646 GR

15 Total Depth

5470'

16 Plug Back T.D.

5384'

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

4390'-5220', Yeso

20. Was Directional Survey Made

No

21 Type Electric and Other Logs Run

SL-D/HNGS, Micro-CFL/HNGS

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	54.5#	145'	17 1/2	125 sxs	
8 5/8	24#	807'	12 1/4	425 sxs	
5 1/2	15.5#	4211'	7 7/8	1010 sxs	
4	11.3#	5464'	4 3/4	150 sxs	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	4138'	

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

CHANGE THESE TO CONT 12 PERFS

3874'-4156 5', Squeezed Off

4390'-4490', 2 SPF, 32 holes

4570'-4650', 2 SPF, 32 holes

4740'-4940', 2 SPF, 32 holes

5020'-5220' 2 SPF, 42 holes

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

See Attached

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PRODUCTION

Date First Production

05/10/2008

Production Method (Flowing, gas lift, pumping - Size and type pump)

Pumping

Well Status

Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio
05/14/2008	24			48	88	56	1833

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr.)
						38.6

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

Sold

Test Witnessed By

30 List Attachments

Logs, C-103 & Attachment, C-104, C-105 Attachment

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 Carol Ann Lance Printed Name Carol Ann Lance Title Regulatory Analyst Date 05/20/2008
E-mail Address clance@conchoresources.com

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	
F. 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	T. Miss	T. Cliff House	T. Leadville
I. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen 2076	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 2779	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 4206	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinébry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Spring	T. Entrada	T.
T. Abo	T. Morrow	T. Wingate	T.
T. Wolfcamp	T. Yeso 3857	T. Chinle	T.
T. Penn	T.	T. Permian	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

Mesquite State #1
API#: 30-015-30037
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5020'-5220	Acidize w/2500 gal 15% HCL.
	Spearhead w/2500 gal 15% HCL. Frac w/ 42,717 gal SilverStem 21; 44,774# 16/30 BASF; Flush w/2406 gal linear gel.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4740'-4940'	Acidize w/2500 gal 15% HCL.
	Spearhead w/2500 gal 15% HCL. Frac w/ 71,199 gal SilverStem LT 21; 75,787# BASF; 30,040# CRC 16/30; Flush w/3100 gal linear gel.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4570'-4650'	Acidize w/2500 gal 15% acid. Frac w/30,000 gal SilverStem; 36,780# 16/30 white sand; 11,177# CRC. Flush w/base gel.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4390'-4490'	Acidize w/2500 gal 15% HCL. Frac w/26,000 Gal SilverStem 21; 36,520# 16/30 white sand 10,000# CRC Flush w/base gel.