

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.

30-015-34883

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 **G** : **1650** Feet From The **North** Line and **1650** Feet From The **East** Line
Section **16** Township **17S** Range **30E** NMPM Eddy County

10. Date Spudded

1/11/07

11. Date T.D. Reached

2/4/07

12. Date Compl. (Ready to Prod.)

2-23-07

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

3687' GR

14. Elev. Casinghead

15. Total Depth

6020

16. Plug Back T.D.

6001

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

X

Cable Tools

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

4891' - 5700' Yeso

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	439	17 1/2	580 sx	
8 5/8	24	1,395	12 1/4	1180 sx	
5 1/2	17	6,006	7-7/8	1550 sx	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8	5,712	

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

4,891' - 5,233' 2 SPF, 60 holes OPEN
5,402' - 5,700' 2 SPF, 60 holes OPEN

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

4891 - 5233

See attachment

5402 - 5700

See attachment

28. PRODUCTION

Date First Production

2-27-07

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

3-12-07

Hours Tested

24

Choke Size

Prod'n For Test Period

Oil - Bbl

90

Gas - MCF

235

Water - Bbl.

200

Gas - Oil Ratio

2611

Flow Tubing Press.

Casing Pressure

Calculated 24-Hour Rate

Oil - Bbl.

Gas - MCF

Water - Bbl.

Oil Gravity - API - (Corr.)

38.0

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

Sold

Test Witnessed By

Mark Brewer

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 *Phyllis Edwards*
E-mail Address pedwards@conchoresources.com

Printed Name Phyllis Edwards

Title Regulatory Analyst

Date 3/14/07

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 1204	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 1498	T. Devonian	T. Menefee	T. Madison
T. Queen 2097	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg 2496	T. Montoya	T. Mancos	T. McCracken
T. San Andres 2822	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 4276	T. McKee	Base Greenhorn	T. Granite
T. Paddock 4357	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb 5827	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Spring	T. Entrada	T.
T. Abo	T. <u>Morrow</u>	T. Wingate	T.
T. Wolfcamp	T.	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

PAWNEE STATE #3
API#: 30-015-34883
EDDY, NM



C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4891 - 5233	Acidize w/ 2500 gals acid.
	Frac w/ 8000# LiteProp, 90,220# 16/30 sand,
	and 93,000 gals gel

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5402 - 5700	Acidize w/ 2500 gals acid.
	Frac w/ 96,300 gals gel, 8000# Lite Prop,
	90,280# 16/30 sand.

Submit 3 Copies to Appropriate District Office
District I:
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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

CONSERVATION DIVISION
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO.

30-015-34883

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

PAWNEE STATE

8. Well Number **3**

9. OGRID Number

229137

10. Pool name or Wildcat

LOCO HILLS; Glorieta Yeso 96718

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ 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 **G** : **1650'** feet from the **North** line and **1650'** feet from the **East** line
Section **16** Township **17S** Range **30E** NMPM County **EDDY**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3687' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: **Completion** ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

02-16-07 Perf w/ 2 SPF 5402' - 5700'. 60 holes.

02-19-07 Acidize w/ 2500 gal acid.

02-20-07 Frac 5402' - 5700' w/ 8000# LiteProp, 90,280# 16/30, & 96,300 gals gel.

02-21-07 Perf w/ 2 SPF 4891' - 5233'. 60 holes. Acidize w/ 2500 gal acid.

02-22-07 Frac 4891' - 5233' w/ 8000# LiteProp, 90,220# 16/30, & 93,000 gals gel.

02-23-07 RIH w/ 184 jts 2-7/8" J55 tbg, SN @ 5712'. RIH w/ 2-1/2 x 2 x 24' pump. Turn to production.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Phyllis Edwards TITLE Regulatory Analyst DATE 3-14-07

Type or print name **Phyllis Edwards** E-mail address: **pedwards@conchoresources.com** Telephone No. **432-685-4340**

For State Use Only

APPROVED BY: _____ TITLE _____ DATE **MAR 20 2007**

Conditions of Approval (if any):

FOR RECORDS ONLY

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources

Form C-102
Permit 30564

Oil Conservation Division

1220 S. St Francis Dr.
Santa Fe, NM 87505

Month - Year
MAR 15 2007
OCD - ARTESIA, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-34883	2. Pool Code 96718	3. Pool Name LOCO HILLS; PADDOCK
4. Property Code 302540	5. Property Name PAWNEE STATE	6. Well No. 003
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3687

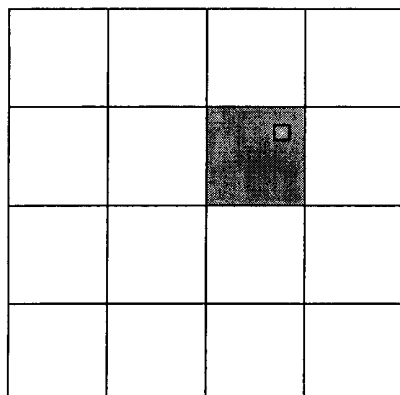
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
G	16	17S	30E		1650	N	1650	E	EDDY

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**

**OPERATOR CERTIFICATION**

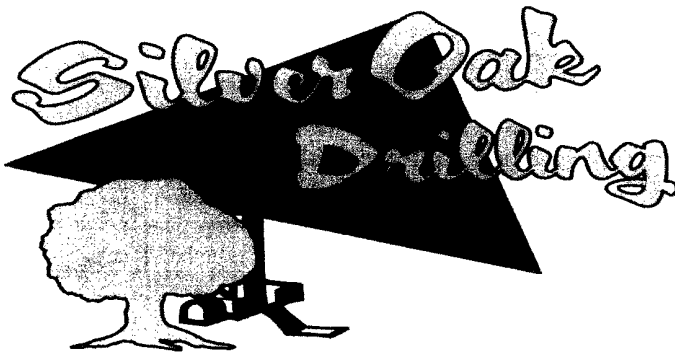
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this 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.

E-Signed By: Diane Kuykendall
Title: Regulatory Analyst
Date: 5/19/2006

SURVEYOR CERTIFICATION

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.

Surveyed By: Gary Eidson
Date of Survey: 5/18/2006
Certificate Number: 12641



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

February 8, 2007

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

RE: Pawnee State #3
1650' FNL & 1650' FWL
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>
212'	3/4°	3202'	1°
482'	1 1/2°	3512'	1°
776'	1°	3821'	3/4°
1025'	1°	4104'	3/4°
1521'	1°	4691'	1 1/2°
1769'	3/4°	5129'	1°
2021'	1°	5443'	1 1/4°
2268'	1°	5752'	1°
2515'	3/4°	6020'	3/4°
2765'	1°		

Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 8th day of February, 2007.


Notary Public



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88211
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1000 Rio Brazos Rd., Aztec, NM 87401
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State of New Mexico
Energy, Minerals & Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC 550 W. Texas Avenue, Suite 1300 Midland, TX 79701		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW effec 2/23/2007
⁴ API Number 30 - 015 - 34883	⁵ Pool Name Loco Hills; Glorieta Yeso	⁶ Pool Code 96718
⁷ Property Code 302540	⁸ Property Name Pawnee State	⁹ Well Number 003

II. ¹⁰ Surface Location

UL or lot no. G	Section 16	Township 17S	Range 30E	Lot.Idn	Feet from the 1650	North/South Line North	Feet from the 1650	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. S	Section P	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 2/ 23 /07	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
15694	Navajo Refining Co. Pipeline Division P O Box 159 Artesia, NM 88211-0159	2827491	O	Unit G, Section 16, T17S, R30E
009171	Duke Energy Field Serv LP 4001 Penbrook Odessa, TX 79762	2827492	G	Unit G, Section 16, T17S, R30E

IV. Produced Water

²³ POD 2827493	²⁴ POD ULSTR Location and Description Unit G, Section 16, T17S, R30E
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V. Well Completion Data

²⁵ Spud Date 1-11-2007	²⁶ Ready Date 2-23-2007	²⁷ TD 6020	²⁸ PBSD 6001	²⁹ Perforations 4891' - 5700'	³⁰ DHC, MC
³¹ Hole Size 17 1/2	³² Casing & Tubing Size 13 3/8	³³ Depth Set 439	³⁴ Sacks Cement 580 sx		
12-1/4	8 5/8	1395	1180 sx		
7 7/8	5 1/2	6006	1550 sx		
	2-7/8" tbg	5712			

VI. Well Test Data

³⁵ Date New Oil 2/27/06	³⁶ Gas Delivery Date 3/04/07	³⁷ Test Date 3/ 12 /2007	³⁸ Test Length 24 hrs	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
⁴¹ Choke Size	⁴² Oil 90	⁴³ Water 200	⁴⁴ Gas 235	⁴⁵ AOF	⁴⁶ Test Method P

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Phyllis Edwards</i>		OIL CONSERVATION DIVISION	
Printed name: Phyllis Edwards		Approved by: BRYAN G. ARRANT	
Title: Regulatory Analyst		Title: DISTRICT II GEOLOGIST	
E-mail Address: pedwards@conchoresources.com		Approval Date: MAR 20 2007	
Date: 3/14/2007	Phone: 432-685-4340		