

Submit To Appropriate District Office
Five 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
1200 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
June 19, 2008

WELL API NO.
30-015-36095/6

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

7. Lease Name or Unit Agreement Name

Harper State S

2 Name of Operator
COG Operating LLC
3 Address of Operator
550 W. Texas Ave., Suite 1300 Midland, TX 79701

8 Well No.
017

4. Well Location
Unit Letter N 330 Feet From The South Line and 2310 Feet From The West Line
Section 16 Township 17S Range 30E NMPM Eddy County

9 Pool name or Wildcat
Loco Hills; Glorieta Yeso 96718

10. Date Spudded 06/08/08
11 Date T D Reached 06/18/08
12 Date Rig Released 06/18/08
13. Date Completed (Ready to Produce) 07/16/08
14 Elevations (DF and RKB, RT, GR, etc.) 3667 GR

15 Total Measured Depth of Well 6000
16. Plug Back Measured Depth 5930
17 If Multiple Compl How Many Zones?

18 Producing Interval(s), of this completion - Top, Bottom, Name
4840 - 5580 Yeso
19 Was Directional Survey Made NO

20 Type Electric and Other Logs Run
CN / HNGS, Micro CFL / HNGS
21. Was Well Cored No

22. 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	460	17 1/2	500 sx C	Circ 85
8 5/8	32	1360	11	600 sx C	Circ 95
5 1/2	17	5997	7-7/8	1100 sx C	Circ 105

23. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

24. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8	4680	

25 Perforation record (interval, size, and number)
4840 - 5040 - 2 SPF, 36 holes OPEN
5110 - 5310 - 1 SPF, 36 holes OPEN
5380 - 5580 - 2 SPF, 48 holes OPEN

26. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
4840 - 5040 See attachment
5110 - 5310 See attachment
5380 - 5580 See attachment

27 PRODUCTION

Date First Production 07/20/08
Production Method (Flowing, gas lift, pumping - Size and type pump) 2-1/2 x 2 x 25' RHTC pump
Well Status (Prod or Shut-in) Producing

Date of Test 07/23/08
Hours Tested 24
Choke Size
Prod'n For Test Period

Oil - Bbl 120
Gas - MCF 175
Water - Bbl 401
Gas - Oil Ratio 1458

Flow Tubing Press
Casing Pressure
Calculated 24-Hour Rate

Oil - Bbl
Gas - MCF
Water - Bbl
Oil Gravity - API - (Corr.) 37.9

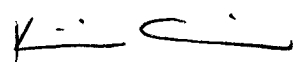
28 Disposition of Gas (Sold, used for fuel, vented, etc)
Sold
Test Witnessed By
Kent Greenway

29 List Attachments
Logs, C103, Deviation Report, C104

30 If a temporary pit was used at the well, attach a plat with the location of the temporary pit

31 If an on-site burial was used at the well, report the exact location of the on-site burial
Latitude Longitude NAD 1927 1983

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 
Printed Name Kanicia Carrillo Title Regulatory Analyst Date 08/19/08
E-mail Address kcarrillo@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	
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 1185	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 1490	T. Devonian	T. Menefee	T. Madison
T. Queen 2095	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 2790	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinbry	T. Gr. Wash	T. Morrison	T.
T. Tubb 5810	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T. Yeso 4310	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. 3, from.....to.....

No. 2, 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

HARPER STATE #17
API#: 30-015-36096
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4840 - 5040	Acidize w/ 2,500 gals 15% HCL acid.
	Frac w/ 95,000 gals gel,26,398# SiberProp,
	102,040# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5110 - 5310	Acidize w/ 2,500 gals 15% HCL acid.
	Frac w/ 114,000 gals gel,33,189# SiberProp,
	149,844# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5380 - 5580	Acidize w/ 2,500 gals 15% HCL acid.
	Frac w/ 113,000 gals gel,31,565# SiberProp,
	146,478# 16/30 sand.

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1000 Rio Brazos Rd., Aztec, NM 87410

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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 67868

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-36096	2. Pool Code 96718	3. Pool Name LOCO HILLS; GLORIETA-YESO
4. Property Code 302502	5. Property Name HARPER STATE	6. Well No. 017
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3667

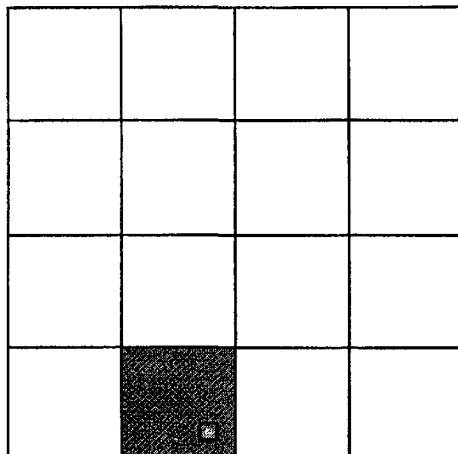
10. Surface Location

UL - Lot N	Section 16	Township 17S	Range 30E	Lot Idn	Feet From 330	N/S Line S	Feet From 2310	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

**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: 2/6/2008

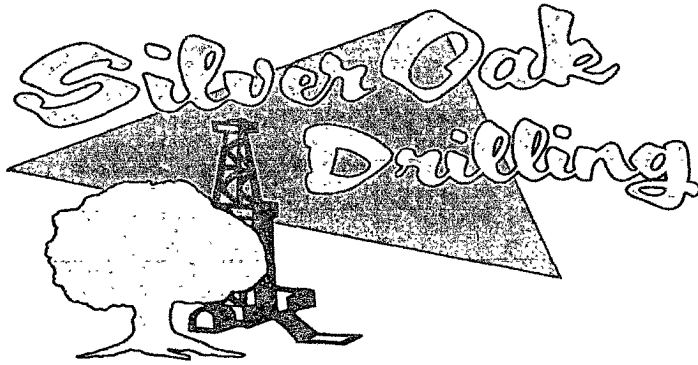
SURVEYOR CERTIFICATION

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: Ronald Eidson

Date of Survey: 1/28/2008

Certificate Number: 3239



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

June 30, 2008

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

RE: Harper State #17
330' FSL & 2310' FWL
Sec. 16, T17S, R30E
Eddy, 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>
272.00	1.50	2830.00	1.50
460.00	1.00	3256.00	1.00
714.00	2.50	3664.00	1.50
985.00	2.00	3918.00	2.00
1237.00	2.00	4570.00	1.50
1478.00	1.50	4770.00	1.50
1730.00	1.50	5060.00	1.75
2030.00	1.50	5314.00	1.75
2236.00	1.50	5600.00	1.25
2521.00	1.75	6000.00	1.25

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 30th day of June, 2008.

Notary Public