

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

RECEIVED

MAR 25 2010

OMB No 1004-0137

Expires July 31, 2010

NMOCD-ARTESIA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029420A

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No. SKELLY UNIT 639		
3. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701			9. API Well No. 30-015-37083-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 15 T17S R31E Mer NMP SWNE 2445FNL 1875FEL At top prod interval reported below Sec 15 T17S R31E Mer NMP At total depth SWNE 2310FNL 1650FEL			10. Field and Pool, or Exploratory FREN, G1-Yuro		
14. Date Spudded 12/03/2009			15. Date T.D. Reached 12/12/2009		
16. Date Completed ☐ D & A ☒ Ready to Prod. 01/18/2010			17. Elevations (DF, KB, RT, GL)* 3878 GL		
18. Total Depth: MD 6720 TVD 6720			19. Plug Back T.D.: MD 6687 TVD 6687		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL		
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)					

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	444		500		0	
11.000	8.625 J55	32.0	0	1760		550		0	0
7.875	5.500 J55	17.0	0	6720		1200		0	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6150							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	5120	5240	5120 TO 5240	0.410	17	OPEN
B) GLORIETA-YESO	5120	6390	5650 TO 5850	0.410	26	OPEN
C) BLINEBRY	5650	6390	5920 TO 6120	0.410	26	OPEN
D)			6190 TO 6390	0.410	26	OPEN

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5120 TO 5240	FRAC W/105,526 GALS GEL, 115,665# 16/30 BASF SAND, 22,597# 16/30 SUPER LC
5120 TO 5240	ACIDIZE W/3,000 GALS 15% ACID
5650 TO 5850	ACIDIZE W/2,500 GALS 15% ACID
5650 TO 5850	FRAC W/ 116,024 GALS GEL, 148,504# 16/30 BASF SAND, 30,604# 16/30 SUPER LC

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity
02/20/2010	02/20/2010	24	→	63.0	18.0	321.0	38.3	0.60
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status
	70	70.0	→	63	18	321	286	POW

ACCEPTED FOR RECORD

ELECTRIC PUMPING UNIT

/s/ Chris Walls

MAR 23 2010

28a Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity
02/20/2010	02/21/2010	24	→	63.0	18.0	321.0	38.3	0.60
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status
	70	70.0	→	63	18	321		POW

BUREAU OF LAND MANAGEMENT
CABLES FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #81941 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

28c Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

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

SOLD

30. Summary of Porous Zones (Include Aquifers)

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
YATES QUEEN SAN ANDRES GLORIETA PADDOCK TUBB	1822 2768 3530 5038 5093 6533		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE SAND		

32. Additional remarks (include plugging procedure).

Acid, Fracture, Treatment, Cement Squeeze etc. continued...

5920-6120 ACIDIZE W/2,500 GALS 15% ACID.

5920-6120 Frac w/114,253 gals gel, 146,716# 16/30 Basf Sand, 32,915# 16/30 SLC.

6190-6390 ACIDIZE W/2,500 GALS 15% ACID

6190-6390 FRAC W/114,972 gals gel, 145,292# 16/30 Basf Sand, 37,576# 16/30 SLC

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions).

**Electronic Submission #81941 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 02/26/2010 (10KMS0782SE)**

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 02/25/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

DISTRICT I
1625 N. FRANKLIN DR., MORRIS, NM 88240

DISTRICT II
1901 N. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Graxos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87504

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Well Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-37083	Pool Code 26770	Pool Name FREN; GLORIETA-YESO
Property Code 305607	Property Name SKELLY UNIT	Well Number 639
OCRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3878'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	15	17-S	31-E		2445	NORTH	1875	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	15	17-S	31-E			NORTH		EAST	EDDY
Dedicated Acres 40	Joint or Infill	Consolidation Code	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

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=667828.0 N X=647081.5 E LAT.=32.835029° N LONG.=103.854481° W BOTTOM HOLE LOCATION Y=667964.7 N X=647305.7 E	GRID AZ.=58°37'40" HORIZ. DIST.=282.6' SEE DETAIL B.H. SURF. DETAIL 3882.7' 3883.8' 3876.6' 3875.6'	OPERATOR CERTIFICATION I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Chasity Jackson</i> Signature Date Chasity Jackson Printed Name 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. DATE SURVEYED FEBRUARY 3, 2009 Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 02/04/09 02/11/2009 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3209
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