

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMLC029419A

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. NMNM71030X		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No. SKELLY UNIT 987		
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287			9. API Well No. 30-015-36497-00-S1		
3a. Phone No. (include area code) Ph: 432-685-4332			10. Field and Pool, or Exploratory FREN <i>Glorieta Yeso</i>		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNE Lot G 1800FNL 2300FEL 32.82231 N Lat, 103.85585 W Lon At top prod interval reported below SWNE Lot G 1800FNL 2300FEL 32.82231 N Lat, 103.85585 W Lon At total depth SWNE Lot G 1800FNL 2300FEL 32.82231 N Lat, 103.85585 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 22 T17S R31E Mer NMP		
14. Date Spudded 07/06/2010			15. Date T.D. Reached 07/16/2010		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/04/2010			17. Elevations (DF, KB, RT, GL)* 3855 GL		
18. Total Depth: MD 6630 TVD 6630			19. Plug Back T.D.: MD 6578 TVD 6578		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	453		500		0	0
11.000	8.625 J55	32.0	0	1265		900		0	0
7.875	5.500 J55	17.0	0	6614		1100		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	6186							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO			4980 TO 5090	0.410	19	OPEN
B) PADDOCK	4980	5090	5670 TO 5870	0.410	26	OPEN
C) BLINEBRY	5670	6410	5940 TO 6140	0.410	26	OPEN
D)			6210 TO 6410	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
4980 TO 5090	ACIDIZE W/2,500 GALS 15% ACID.
4980 TO 5090	FRAC W/99,734 GALS GEL, 114,708# 16/30 OTTAWA SAND, 13,482# 16/30 SUPER LC.
5670 TO 5870	ACIDIZE W/3,500 GALS 15% ACID.
5670 TO 5870	FRAC W/114,374 GALS GEL, 146,116# 16/30 OTTAWA SAND, 30,574# 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	Production Method
08/09/2010	08/12/2010	24	→	55.0	60.0	375.0	37.1	0.60	ELECTRIC PUMPING UNIT ACCEPTED FOR RECORD Is/ Roger Hall
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 70.0	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
		70.0	→	55	60	375	1091	POW	

28a. Production - Interval B

Date First Produced 08/09/2010	Test Date 08/12/2010	Hours Tested 24	Test Production ➡	Oil BBL 55.0	Gas MCF 60.0	Water BBL 375.0	Oil Gravity Corr. API 37.1	Gas Gravity 0.60	Production Method ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI 70	Csg. Press. 70.0	24 Hr. Rate ➡	Oil BBL 55	Gas MCF 60	Water BBL 375	Gas:Oil Ratio	Well Status POW	BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #91357 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

**RECEIVED**  
SEP 21 2010  
NMOCD ARTESIA

**ACCEPTED FOR RECORD**  
/s/ Roger Hall  
SEP 17 2010  
ELECTRIC PUMPING UNIT  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

*dm*

## 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 YESO TUBB	1175 2709 3471 4919 4972 6529		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE	YATES QUEEN SAN ANDRES GLORIETA YESO TUBB	1175 2709 3471 4919 4972 6529

## 32. Additional remarks (include plugging procedure):

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

5940 - 6140 ACIDIZE W/3,500 GALS 15% ACID.

5940 - 6140 Frac w/112,403 gals gel, 143,282# 16/30 Ottawa sand, 33,782# 16/30 Super LC.

6210 - 6410 ACIDIZE W/3,500 GALS 15% ACID.

6210 - 6410 FRAC W/115,967 gals gel, 146,343# 16/30 Ottawa sand, 37,619# 16/30 Super LC.

## 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 #91357 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by CHERYLE RYAN on 08/18/2010 (10CMR0566SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature \_\_\_\_\_ (Electronic Submission)

Date 08/18/2010

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 \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
NMLC029419A

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**7. If Unit or CA/Agreement, Name and/or No.  
NMNM71030X8. Well Name and No.  
SKELLY UNIT 9879. API Well No.  
30-015-36497-00-S110. Field and Pool, or Exploratory  
FREN11. County or Parish, and State  
EDDY COUNTY, NM1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
COG OPERATING LLC  
Contact: KANICIA CARRILLO  
E-Mail: kcarrillo@conchoresources.com3a. Address  
550 WEST TEXAS AVENUE SUITE 100  
MIDLAND, TX 79701-4287  
3b. Phone No. (include area code)  
Ph: 432-685-43324. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 22 T17S R31E SWNE Lot G 1800FNL 2300FEL  
32.82231 N Lat, 103.85585 W Lon**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA.**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Drilling Operations

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

7/22/10 Test 5-1/2 csg 3500psi, ok.  
7/27/10 Perf Lower Blinbry @ 6210 - 6410 w/1 SPF, 26 holes.  
7/28/10 Acidize w/3,500 gals acid. Frac w/115,967 gals gel, 146,343# 16/30 Ottawa sand, 37,619#  
16/30 Super LC. Set comp plug @ 6170. Perf Middle Blinbry @ 5940 - 6140 w/1 SPF, 26 holes. Acidize  
w/3,500 gals acid. Frac w/ 112,403 gals gel, 143,282# 16/30 Ottawa sand, 33,782# 16/30 Super LC.  
Set comp plug @ 5900. Perf Upper Blinbry @ 5670 - 5870 w/ 1 SPF, 26 holes. Acidize w/3,500 gals  
acid. Frac w/114,374 gals gel, 146,116# 16/30 Ottawa sand, 30,574# 16/30 Super LC. Set comp plug @  
5130. Perf Paddock @ 4980 - 5090 w/1 SPF, 19 holes. Acidize w/2,500 gals acid. Frac w/99,734 gals  
gel, 114,708# 16/30 Ottawa sand, 13,482# 16/30 Super LC.  
8/2/10 Drill out plugs. Clean out to PBTD 6578.  
8/3/10 RIH w/196jts 2-7/8" J55 6.5# tbg, SN @ 6186.  
8/4/10 RIH w/ 2-1/2x2-1/4x24 pump. Hang on well.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #91359 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by CHERYLE RYAN on 08/18/2010 (10CMR0567SE)**

Name (Printed/Typed) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 08/18/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	ROGER HALL Title PETROLEUM ENGINEER	Date 09/17/20
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office Carlsbad	

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.

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