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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMLC029338B		
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			6. If Indian, Allottee or Tribe Name		
2. Name of Operator COG OPERATING LLC			7. Unit or CA Agreement Name and No.		
Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com			8. Lease Name and Well No. HARVARD FEDERAL 15		
3. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701			9. API Well No. 30-015-37307-00-S1		
3a. Phone No. (include area code) Ph: 432-685-4332			10. Field and Pool, or Exploratory LOCO HILLS		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 11 T17S R30E Mer NMP At top prod interval reported below At total depth SENE 1980FNL 565FEL			11. Sec., T., R., M., or Block and Survey or Area Sec 11 T17S R30E Mer NMP		
14. Date Spudded 04/25/2010			15. Date T.D. Reached 05/04/2010		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/25/2010			17. Elevations (DF, KB, RT, GL)* 3742 GL		
18. Total Depth: MD 6008 TVD 6008			19. Plug Back T.D.: MD 5961 TVD 5961		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT		
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 H-40	48.0	0	425		475		0	
17.500	13.375 H40	48.0	0	443		1000		0	0
11.000	8.625 J-55	24.0	0	1300		500		0	
11.000	8.625 J55	32.0	0	1323		500		0	0
7.875	5.500 J-55	15.5	0	6000		900		1100	
7.875	5.500 J55	17.0	0	6008		1050		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	5686							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO			4640 TO 4900	0.410	26	OPEN
B) PADDOCK	4640	4900	5140 TO 5340	0.410	26	OPEN
C) BLINEBRY	5140	5930	5440 TO 5640	0.410	26	OPEN
D)			5730 TO 5930	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
4640 TO 4900	ACIDIZE W/2,500 GALS 15% ACID.
4640 TO 4900	FRAC W/ 98,095 GALS GEL, 112,546# 20/40 WHITE SAND, 14,351# 16/30 SUPER LC.
5140 TO 5340	ACIDIZE W/3,500 GALS 15% ACID.
5140 TO 5340	FRAC W/ 116,842 GALS GEL, 147,244# 20/40 WHITE SAND, 38,091# 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
05/29/2010	06/11/2010	24	→	145.0	189.0	656.0	37.4	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	70	70.0	→	145	189	656	1303	POW	

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	Production Method
05/29/2010	06/11/2010	24	→	145.0	189.0	656.0	37.4	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	70	70.0	→	145	189	656		POW	

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

ELECTRONIC SUBMISSION #89657 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

ELECTRIC PUMPING UNIT

AUG 13 2010

/s/ Roger Hall

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC029338B
2. Name of Operator COG OPERATING LLC Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com		6. If Indian, Allottee or Tribe Name
3a. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 11 T17S R30E SENE 1980FNL 565FEL		8. Well Name and No. HARVARD FEDERAL 15
		9. API Well No. 30-015-37307-00-X1
		10. Field and Pool, or Exploratory LOCO HILLS
		11. County or Parish, and State EDDY COUNTY, NM

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 type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompleat 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 recompleat 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.)

5/17/10 Test 5-1/2 csg 5200psi, ok. Perf Lower Blinebry @ 5730-5930 w/1 SPF, 26 holes.
5/18/10 Acidize w/3,500 gals acid. Frac w/114,596 gals gel, 147,950# 20/40 White Sand, 32,745#
16/30 Siberprop. Set comp plug @ 5665. Perf Middle Blinebry @ 5440-5640 w/1 SPF, 26 holes. Acidize w/3,500 gals acid. Frac w/115,600 gals gel, 147,807# 20/40 White Sand, 33,090# 16/30 Super LC. Set comp plug @ 5365. Perf Upper Blinebry @ 5140-5340 w/1 SPF, 26 holes. Acidize w/3,500 gals acid. Frac w/116,842 gals gel, 147,244# 20/40 White sand, 38,091# 16/30 Super LC.
5/19/10 Set comp plug @ 4930. Perf Paddock @ 4640-4900 w/1 SPF, 26 holes. Acidize w/2,500 gals acid. Frac w/98,095 gals gel, 112,546# 20/40 White Sand, 14,351# 16/30 Super LC
5/21/10 Drill out plugs. Clean out to PBDT 5961.
5/24/10 RIH w/179jts 2-7/8" J55 tbg, SN @ 5686.
5/25/10 RIH w/ 2-1/2"x2-1/4"x24"x28' THC tbg pump. Hang on well.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #89656 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 07/19/2010 (10KMS1818SE)	
Name (Printed/Typed) KANICIA CARRILLO	Title PREPARER
Signature (Electronic Submission)	Date 07/16/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	ROGER HALL Title PETROLEUM ENGINEER	Date 08/13/2010
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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