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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

At total depth NESW 2301FSL 1664FWL 15 Date T.D. Reached 16 Date Completed 17 Elevations (ID; KB, RT, CL)* 18 Total Depth MD 4730 19 Plug Back T.D.: MD 4630 20 Depth Bridge Plug Sci. MD 12/09/2011 18 Total Depth MD 4730 19 Plug Back T.D.: MD 4630 20 Depth Bridge Plug Sci. MD Ves (Submit analysis) No Ves (Submit analysis) Ves (Submit analy		** \) (1411 L) () (L	-001	***	101411	LI OI	· · Al	id L				N	MNM9683	36		
Total Company												6 If Indian, Allottee or Tribe Name							
Address 580 WEST TEXAS AVEDURE SUITE 100 Sa. Phone No. (include area code) Ph. (432-481-2319) Ph. (432-48										vr.	7. Unit or CA Agreement Name and No								
MIDLAND, TX, 79701	COG OPERATING LLC E-Mail: oaaron@conchoresources.com										SPRUCE FEDERAL 4								
At surface NESW 2460FSL 1650FWL 32 804511 N Lat, 104 .234946 W Lon At top prod interval reported below NESW 2460FSL 1650FWL 32 804511 N Lat, 104 .234946 W Lon At total depth NESW 2301FSL 1654FWL Is Described 12/04/2011 Is Date Spanded 15 Date FLD. Reached 12/04/2011 Is Date Spanded 12/04/2011 Is Date FLD. Reached 12/04/201	3 Address 550 WEST TEXAS AVENUE SUITE 100 3a. Phone No (include area code) Ph: 432-818-2319																		
At top prod interval reported below NESW 2460FSL 1650FWL 32.804511 N Lat, 104 234946 W Lon At total depth NESW 2301FSL 1664FWL 14 Date Spudded 15 Date TD Reached 16 Date Completed 17 Date Spudded 17 Elevation CDF, KB, KT, CL)* 18 Total Depth ND	4 Location of Well (Report location clearly and in accordance with Federal requirements)*																		
At total depth	· ·										11 Sec., T., R., M., or Block and Survey or Area Sec 25 T17S R27E Mer NMF								
14 Date Spudded 15 Date (LD) Reached 12 16 Date Camplered 17 Elevations (DF, KB, RT, GL)* 12 12 12 12 12 12 12 1	· · · · · · · · · · · · · · · · · · ·											12. (te			
12/04/2011 12/09/2011	14 Date Spudded 115 Date T.D. Reached 116. Date Completed												DF. K						
TVD	12/04/2	2011							□ D & A						35	78 GL			
COMPNEUTRONSPEC	18 Total D	Depth						« Т.D.:					20						
Directional Survey No Yes (Submit analysis)				nical Logs I	Run (Sul	bmit c	opy of eac	:h)							,	No No	ĭĭYe	s (Submit an	alvsis)
Floid Size Size/Grade Wit (#/ft.) Top (MD) Stage Cementer No. of Sks. & Slurry Vol. (BBL) Cement Top* Amount Pulled 17,500 13,375 H-40 44.0 0 394 400 TECE VED 11,000 8.625 J-55 24.0 0 1032 400 TECE VED 1,000 1,	73 Casing a	nd Liner Rec	ord (Rana	ort all string	e sot in	well)						Dire	ection	nal Surv	ey?	□ No	⊠ Ye	s (Submit an	alysis)
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24. Tubing Record Size													1		İ	I LB	29	2012	
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B 3680 TO 3905 0.340 26 OPEN, Upper Blinebry 3965 TO 4190 0.340 26 OPEN, Middle Blinebry 4250 TO 4500 0.340 26 OPEN, Middle Blinebry 4250 TO 4500 0.340 26 OPEN, Lower Blinebry 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Amount and Type of Material RECLAMATION 3230 TO 3480 ACIDIZED W/1500 GALS 15% HCL 3230 TO 3480 FRAC W/93,000 GALS GEL, 90,481# 16/30 WHITE SAND, 8,662# 16/30 CRC 3680 TO 3905 ACIDIZE W/1500 GALS 15% HCL 3680 TO 3905 FRAC W/133,000 GALS GEL, 144,060# 16/30 WHITE SAND, 31,725# 16/30 CRC 28. Production - Interval A Date First Date Tested Tested Date Tested Tested Tested Date Tested Tested Tested Tested Tested Tested Tested Tested Date Tested Tes				Тор		Во	ttom							Size	T 1	No. Holes	T	Perf. Stat	us —
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Size Flwg Press Rate BBL MCF BBL Ratio	Vell Status	<u> </u>			
		Well Status			
29. Disposition of Gas(Sold, used for fuel, vented, etc.) SOLD					
30. Summary of Porous Zones (Include Aquifers):	31. For	mation (Log) Markers			
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.					
Formation Top Bottom Descriptions, Contents, etc		Name	Top Meas. Depth		
QUEEN GRAYBURG YATES SAN ANDRES TUBB GLORIETA YESO 32. Additional remarks (include plugging procedure). SANDSTONE & DOLOMITE SANDSTONE	GF QL SA TU YA	ORIETA RAYBURG JEEN N ANDRES BB JTES SO			
44. Acid, Fracture, Treatment, Cement Squeeze, etc. 3965 - 4190 Acidized w/1500 gals 15% HCL. 3965 - 4190 Frac w/115,000 gals gel, 146,389# 16/30 White sand, 31,250# 16/30 CRC					
4250 - 4500 Acidized w/2500 gals 15% HCL.					
33. Circle enclosed attachments:					
 Electrical/Mechanical Logs (1 full set req'd.) Geologic Report Sundry Notice for plugging and cement verification Core Analysis 	3. DST Re	eport 4. Direction	ial 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 Electronic Submission #130923 Verified by the BLM Well Inf For COG OPERATING LLC, sent to the Carls Committed to AFMSS for processing by DEBORAH MCKINNEY on 0: Name (please print) NETHA AARON Title AUTHO	formation Sysbad 02/15/2012 (1	ystem.	ons):		
Signature (Electronic Submission) Date 02/14/20	012				

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 fradulent statements or representations as to any matter within its jurisdiction.

Additional data for transaction #130923 that would not fit on the form

32. Additional remarks, continued

4250 - $4500\ Frac$ w/117,000 gals gel, 147,557# 16/30 White sand, 34,234# 16/30 CRC

LOGS WILL BE MAILED