

API No. <u>42-461-36383</u> Drilling Permit # <u>685134</u> SWR Exception Case/Docket No. _____		<b>RAILROAD COMMISSION OF TEXAS</b> <b>OIL &amp; GAS DIVISION</b> <b>APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER</b> <i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i> <i>A certification of the automated data is available in the RRC's Austin office.</i>				<b>FORM W-1</b> 07/2004 Permit Status: <b>Approved</b>	
1. RRC Operator No. <u>166150</u>		2. Operator's Name (as shown on form P-5, Organization Report) <u>COG OPERATING LLC</u>		3. Operator Address (include street, city, state, zip): 			
4. Lease Name <u>LEAH</u>		5. Well No. <u>4</u>					
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> New Drill</span> <span><input type="checkbox"/> Recompletion</span> <span><input type="checkbox"/> Reclass</span> <span><input type="checkbox"/> Field Transfer</span> <span><input type="checkbox"/> Re-Enter</span> </div> <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Amended</span> <span><input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)</span> </div>							
7. Wellbore Profile (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> Vertical</span> <span><input type="checkbox"/> Horizontal (Also File Form W-1H)</span> <span><input type="checkbox"/> Directional (Also File Form W-1D)</span> <span><input type="checkbox"/> Sidetrack</span> </div>							
8. Total Depth <u>11000</u>		9. Do you have the right to develop the minerals under any right-of-way ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. <u>7C</u>		12. County <u>UPTON</u>		13. Surface Location <input checked="" type="checkbox"/> Land <input type="checkbox"/> Bay/Estuary <input type="checkbox"/> Inland Waterway <input type="checkbox"/> Offshore			
14. This well is to be located <u>16.6</u> miles in a <u>NW</u> direction from <u>RANKIN</u> which is the nearest town in the county of the well site.							
15. Section <u>72</u>	16. Block <u>C</u>	17. Survey <u>CCSD&amp;RGNG RR CO/BARBER, P P</u>		18. Abstract No. <u>A-898</u>	19. Distance to nearest lease line: <u>660</u> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>322.7</u>	
21. Lease Perpendiculars: <u>660</u> ft from the <u>NORTH</u> line and <u>678</u> ft from the <u>EAST</u> line. 22. Survey Perpendiculars: <u>660</u> ft from the <u>NORTH</u> line and <u>1980</u> ft from the <u>WEST</u> line.							
23. Is this a pooled unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		24. Unitization Docket No: _____		25. Are you applying for Substandard Acreage Field? <input type="checkbox"/> Yes (attach Form W-1A) <input checked="" type="checkbox"/> No			
FIELD INFORMATION <b>List all fields of anticipated completion including Wildcat. List one zone per line.</b>							
26. RRC District No.	27. Field No.	28. Field Name (exactly as shown in RRC records)		29. Well Type	30. Completion Depth	31. Distance to Nearest Well in this Reservoir	
7C	85279200	SPRABERRY (TREND AREA)		Oil Well	7200	1320.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS							
<b>Remarks</b>   				<b>Certificate:</b> I certify that information stated in this application is true and complete, to the best of my knowledge.  <div style="display: flex; justify-content: space-between;"> <div> <u>Roy Johnson, Regulatory Specialist</u>            Name of filer  <u>(432)8182218</u>            Phone         </div> <div> <u>Sep 15, 2009</u>            Date submitted  <u>rjohnson@conchoresources.com</u>            E-mail Address (OPTIONAL)         </div> </div>			
				RRC Use Only      Data Validation Time Stamp: <u>Sep 16, 2009 9:29 AM ('As Approved' Version )</u>			

P.Hamilton

(95589) 80

Block C,  
C.C.S.D. & R.G.N.G. RR. Co.

(S-30489)

P.R.Barber

J.L.Barber

73

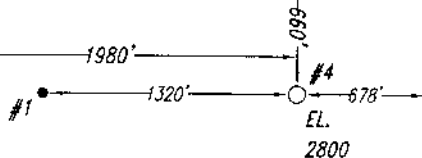
60

(102481)  
(147347)

N 75°02'28" E 5315.45'

81  
(S-30493)

COG OPERATING LLC



(101658) 72

P.P.Barber

61

(S-30483)

C.C.S.D. & R.G.N.G. RR. Co.  
Block D,  
N 14°50'13" W 5283.38'

Leah

COG OPERATING LLC

S 14°53'55" E 5287.67'

322.7 Total Acres

Leah

(102483) 82

P.P.Barber

(S-30488)

71 S 75°05'15" W 5321.12'

Fnd. cor. axle @  
fnc. cor. E-W-N  
w/sign mkd. "SW 61"

62

(147794)  
(102482)

T.B.Griffin

P.P.Barber

Note: Survey Reconstruction filed in the Office of Luchini and Mertz Land Surveying Company.

Note: All bearings and coordinates shown are based on the Texas Coordinate System of 1927, Central Zone.

A combined grid factor of 0.9997720 must be divided into Section Line distances to obtain a true horizontal distance.

Note: Example: (S-99999) indicates General Land Office file number.

Note: NAD '27 Coordinates & Latitude/Longitude on well location in Section 72.

Note: Well location is approximately 16.6 miles northwest of Rankin.



August 20, 2009

090820B

X: 1457505.07

Y: 649022.34

Latitude - 31°26'22.404" N

Longitude - 102°04'22.504" W

Railroad Commission Permit Plat

COG OPERATING LLC

"Leah" Lease

NW/4 & SE/4 of

Section 72, Block C,

C.C.S.D. & R.G.N.G. RR. Co.,

Upton County, Texas

Scale: 1" = 1000'

