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|--|---------------|--|--|---|---|--|---|
| API No. <u>42-461-36651</u><br>Drilling Permit # <u>693057</u><br>SWR Exception Case/Docket No. _____  |               | <b>RAILROAD COMMISSION OF TEXAS</b><br><b>OIL &amp; GAS DIVISION</b><br><b>APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER</b><br><i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i><br><i>A certification of the automated data is available in the RRC's Austin office.</i> |  |   |   | <b>FORM W-1</b> 07/2004<br>Permit Status: <b>Approved</b>                                |   |
| 1. RRC Operator No.<br><u>166150</u>   |               | 2. Operator's Name (as shown on form P-5, Organization Report)<br><u>COG OPERATING LLC</u>   |  |   | 3. Operator Address (include street, city, state, zip):<br> |  |   |
| 4. Lease Name<br><u>JOYCE</u>  |               | 5. Well No.<br><u>2</u>  |  |   |   |  |   |
| GENERAL INFORMATION  |               |  |  |   |   |  |   |
| 6. Purpose of filing (mark ALL appropriate boxes):<br><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):<br><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<br><u>11000</u>   |               | 9. Do you have the right to develop the minerals under any right-of-way?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  |  | 10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |   |  |   |
| SURFACE LOCATION AND ACREAGE INFORMATION   |               |  |  |   |   |  |   |
| 11. RRC District No.<br><u>7C</u>  |               | 12. County<br><u>UPTON</u>   |  | 13. Surface Location<br><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>20.6</u> miles in a <u>SW</u> direction from <u>MIDKIFF</u> which is the nearest town in the county of the well site.  |               |  |  |   |   |  |   |
| 15. Section<br><u>82</u>   |               | 16. Block<br><u>D</u>  |  | 17. Survey<br><u>CCSD&amp;RGNG RR CO/BARBER, P P</u>  |   | 18. Abstract No.<br><u>A-901</u>   |   |
|  |               |  |  | 19. Distance to nearest lease line:<br><u>660</u> ft.   |   | 20. Number of contiguous acres in lease, pooled unit, or unitized tract:<br><u>161.2</u> |   |
| 21. Lease Perpendiculars: <u>660</u> ft from the <u>EAST</u> line and <u>663</u> ft from the <u>NORTH</u> line.<br>22. Survey Perpendiculars: <u>660</u> ft from the <u>EAST</u> line and <u>1980</u> ft from the <u>SOUTH</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 List all fields of anticipated completion including Wildcat. List one zone per line.   |               |  |  |   |   |  |   |
| 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   | 32. Number of Wells on this lease in this Reservoir |
| 7C   | 85279200      | SPRABERRY (TREND AREA)   |  | Oil Well  | 10100   | 1730.00  | 2   |
|  |               |  |  |   |   |  |   |
|  |               |  |  |   |   |  |   |
|  |               |  |  |   |   |  |   |
| BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS  |               |  |  |   |   |  |   |
| <b>Remarks</b><br><br>   |               |  |  | <b>Certificate:</b><br>I certify that information stated in this application is true and complete, to the best of my knowledge.<br><div style="display: flex; justify-content: space-between;"> <div>           Roy Johnson, Regulatory Advisor -<br/>           Texas<br/>           Name of filer _____         </div> <div>           Mar 17, 2010<br/>           Date submitted _____         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(432)8182218</u><br/>           Phone _____         </div> <div> <u>rjohnson@conchoresources.com</u><br/>           E-mail Address (OPTIONAL) _____         </div> </div> |   |  |   |
|  |               |  |  | <b>RRC Use Only</b> Data Validation Time Stamp: Mar 25, 2010 4:35 PM ('As Approved' Version)  |   |  |   |

(124090)  
W.K. Williamson  
92 81  
(S-30493)

Block D,  
C.C.S.D. & R.G.N.G. RR. Co.  
S 75°01'20" W 5315.95'

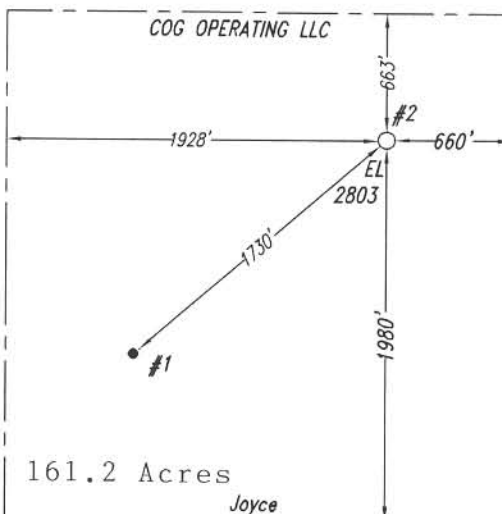
(101658)  
P.P. Barber  
72

91 82  
(S-30498) P.P. Barber  
(102483)

71  
(S-30488)

N 15°01'45" W 5280.00'

S 14°57'37" E 5286.09'



(147799)  
(104325)  
(148265)  
(104325)  
(148264)  
(148263)  
(148262)

90

Fnd. Car Axle  
@ inc. cor. N-S-E-W  
axle is punch mkd. w/sec  
num. & JJC

S 75°05'16" W 5309.59'

83

(S-30494)

70

A. Mayfield

(104027)

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 0.999773849 must be divided into all distances to obtain a true horizontal distance.

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

Note: NAD '27 Latitude/Longitude on well location in Section 82.

Note: Well location is approximately 20.6 miles southwest of Midkiff.

#2

X: 1456991.74 Latitude - 31°24'59.747"N  
Y: 640678.17 Longitude - 102°04'26.922"W

Railroad Commission Permit Plat

COG OPERATING LLC

"Joyce" Lease

SE/4 of

Section 82, P.P. Barber, Block D,  
C.C.S.D. & R.G.N.G. RR. Co.,  
Upton County, Texas



March 11, 2010

100311B

