

API No. <u>42-283-32977</u> Drilling Permit # <u>730475</u> SWR Exception Case/Docket No. _____		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER <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>				FORM W-1 07/2004 Permit Status: Approved	
1. RRC Operator No. 147715		2. Operator's Name (as shown on form P-5, Organization Report) CHESAPEAKE OPERATING, INC.			3. Operator Address (include street, city, state, zip):		
4. Lease Name BROKEN ARROW RANCH UNIT C LAS		5. Well No. 2H					
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <input checked="" type="checkbox"/> New Drill <input type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input type="checkbox"/> Field Transfer <input type="checkbox"/> Re-Enter <input type="checkbox"/> Amended <input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)							
7. Wellbore Profile (mark ALL appropriate boxes): <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Horizontal (Also File Form W-1H) <input type="checkbox"/> Directional (Also File Form W-1D) <input type="checkbox"/> Sidetrack							
8. Total Depth 12000		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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. 01		12. County LA SALLE		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>10.86</u> miles in a <u>NW</u> direction from <u>Cotulla</u> which is the nearest town in the county of the well site.							
15. Section 764 1/2		16. Block 764 1/2		17. Survey BUNTON, MRS H		18. Abstract No. A-1520	
				19. Distance to nearest lease line: 100 ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 484.66	
21. Lease Perpendiculars: <u>7575.81</u> ft from the <u>N (OFF LEASE)</u> line and <u>950</u> ft from the <u>E (OFF LEASE)</u> line.							
22. Survey Perpendiculars: <u>7575.81</u> ft from the <u>N</u> line and <u>950</u> ft from the <u>E</u> line.							
23. Is this a pooled unit? <input checked="" type="checkbox"/> Yes <input 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	
01	27135700	EAGLEVILLE (EAGLE FORD-1)		Oil or Gas Well	12000	0.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks 				Certificate: 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>Bill Spencer, Consultant</u> Name of filer </div> <div> <u>Dec 21, 2011</u> Date submitted </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(512)9181062</u> Phone </div> <div> <u>bill@spencerconsulting.org</u> E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only							
Data Validation Time Stamp: Dec 27, 2011 11:23 AM('As Approved' Version)							

Permit Status:	Approved
<i>The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.</i>	

**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION**

APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER

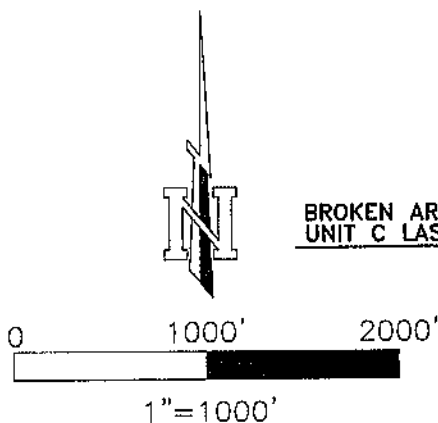
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Permit #	730475
Approved Date:	Dec 27, 2011

1. RRC Operator No. 147715	2. Operator's Name (exactly as shown on form P-5, Organization Report) CHESAPEAKE OPERATING, INC.	3. Lease Name BROKEN ARROW RANCH UNIT C LAS	4. Well No. 2H
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 EAGLEVILLE (EAGLE FORD-1) (Field # 27135700, RRC District 01)			
6. Section	7. Block	8. Survey J A Leal	9. Abstract 560
10. County of BHL TARRANT			
11. Terminus Lease Line Perpendiculars 236 ft. from the SW line. and 1830 ft. from the E line 12. Terminus Survey Line Perpendiculars 2960 ft. from the NW line. and 3420 ft. from the NE line 13. Penetration Point Lease Line Perpendiculars 100 ft. from the N line. and 800 ft. from the W line			

PLAT SHOWING
PROPOSED WELL LOCATION
CHESAPEAKE OPERATING INC.
BROKEN ARROW RANCH UNIT C LAS 2H

TRACT	OWNER	UNIT ACRES	TRACT ACRES
1	ROBERT G. SCHROEDER	185.54	577.92
2	KATIE JANSING	105.57	298.40
3	HERBERT FIEDLER JR.	193.55	193.55
TOTAL		484.66	



CCSD & RENG RR CO
SURVEY 765 A-843

BROKEN ARROW RANCH UNIT C LAS 2H PSHL
SITUATED: 10.86 miles
Northwest of Cotulla, TX

NAD 27, Zone 4204

BROKEN ARROW RANCH UNIT C LAS 2H PSHL
LATITUDE: 28.340821° N
LONGITUDE: 99.093085° W
N = 184538.26
E = 1970054.74
ELEV = 406' Sc.

BROKEN ARROW RANCH UNIT C LAS 2H PBHL
LATITUDE: 28.320408° N
LONGITUDE: 99.095057° W
N = 177116.71
E = 1969414.25

BROKEN ARROW RANCH UNIT C LAS 2H PP
LATITUDE: 28.340490° N
LONGITUDE: 99.095199° W
N = 184418.26
E = 1969374.53

NAD 83, Zone 4204

BROKEN ARROW RANCH UNIT C LAS 2H PSHL
LATITUDE: 28.341095° N
LONGITUDE: 99.093391° W

BROKEN ARROW RANCH UNIT C LAS 2H PBHL
LATITUDE: 28.320683° N
LONGITUDE: 99.095363° W

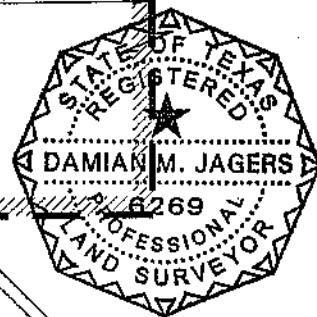
BROKEN ARROW RANCH UNIT C LAS 2H PP
LATITUDE: 28.340763° N
LONGITUDE: 99.095505° W

NOTE: This Plat does not, in anyway represent a "Boundary Survey", and does not comply with the current T.B.P.L.S. Minimum Standards of Procedures for Boundary Surveys. Acreage shown herein were furnished by others. The information contained on this plat is intended for the sole use of CHESAPEAKE OPERATING INC.

I, Damian M. Jagers do hereby certify that the above described well location was staked on the ground under my supervision, as shown.

Damian M. Jagers 12/21/2011
DAMIAN M. JAGERS DATE
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 6269

J. A. LEAL SURVEY,
A-560



KSA
ENGINEERS

Longview-Tyler-Lufkin-Austin-Dallas-Sugar Land

140 E. Tyler St., Suite 600
P.O. Box 1552
Longview, Texas 75606-1552
T. 903-236-7700
F. 903-236-7779
www.ksaeng.com

484.66 AC UNIT PLAT FOR
CHESAPEAKE OPERATING, INC.

12-21-2011

PROPOSED LOCATION OF BROKEN ARROW UNIT C LAS 2H
J.A. LEAL Survey A-560
E. BENSON Survey 764, A-832
MRS. H. BUNTON Survey 764 1/2, A-1520
MRS. L. MADDEN Survey 764 3/4, A-1523
LA BALLE COUNTY, TEXAS