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|---|---------------|--|--|---|---|--|--|
| API No. <u>42-127-34811</u> Drilling Permit # <u>740442</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 BERDOLL UNIT D DIM | | 5. Well No. 1H | | | | | |
| 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 9000 | | 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 DIMMIT | | 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>6.9</u> miles in a <u>SE</u> direction from <u>Asherton</u> which is the nearest town in the county of the well site. | | | | | | | |
| 15. Section 612 | | 16. Block | | 17. Survey A RITTEMAN | | 18. Abstract No. A-655 | |
| | | | | 19. Distance to nearest lease line: 100 ft. | | 20. Number of contiguous acres in lease, pooled unit, or unitized tract: 161.59 | |
| 21. Lease Perpendiculars: <u>20</u> ft from the <u>W (OFF LEASE)</u> line and <u>2059</u> ft from the <u>N (OFF LEASE)</u> line. | | | | | | | |
| 22. Survey Perpendiculars: <u>20</u> ft from the <u>W</u> line and <u>2059</u> ft from the <u>N</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 | 12018200 | BRISCOE RANCH (EAGLEFORD) | | Oil Well | 9000 | 0.00 | |
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| BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment) | | | | | | | |
| Remarks [FILER May 9, 2012 2:35 PM]: Chesapeake is the only affected offset operator; [RRC STAFF May 21, 2012 10:12 AM]: Manual review ok, density met. | | | | 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>May 10, 2012</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: May 21, 2012 10:13 AM('As Approved' Version) | | | | | | | |

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| Permit Status: Approved <i>The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.</i> |
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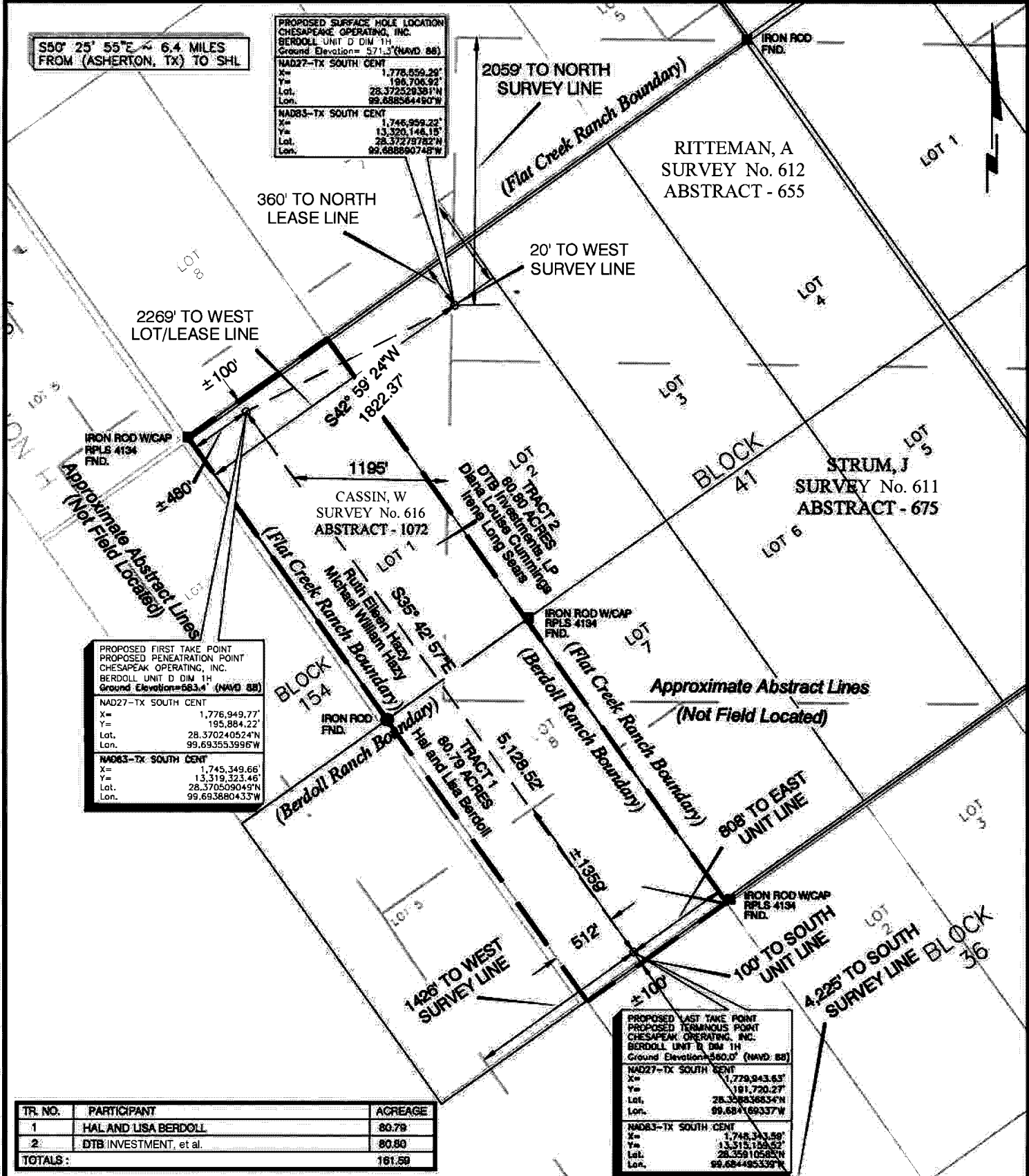
**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION**

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

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A certification of the automated data is available in the RRC's Austin office.*

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| Permit # | 740442 |
| Approved Date: | May 21, 2012 |

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|---|---|--|--------------------------|
| 1. RRC Operator No. 147715 | 2. Operator's Name (exactly as shown on form P-5, Organization Report) CHESAPEAKE OPERATING, INC. | 3. Lease Name BERDOLL UNIT D DIM | 4. Well No. 1H |
| Lateral Drainhole Location Information | | | |
| 5. Field as shown on Form W-1 BRISCOE RANCH (EAGLEFORD) (Field # 12018200, RRC District 01) | | | |
| 6. Section 8 | 7. Block 41 | 8. Survey Catarina Subdivision F | 9. Abstract |
| | | 10. County of BHL DIMMIT | |
| 11. Terminus Lease Line Perpendiculars 100 ft. from the SE line. and 512 ft. from the SW line | | | |
| 12. Terminus Survey Line Perpendiculars 100 ft. from the SE line. and 1426 ft. from the SW line | | | |
| 13. Penetration Point Lease Line Perpendiculars 100 ft. from the NW line. and 480 ft. from the SW line | | | |



S50° 25' 55"E ~ 6.4 MILES
FROM (ASHERTON, TX) TO SHL

PROPOSED SURFACE HOLE LOCATION
CHESAPEAKE OPERATING, INC.
BERDOLL UNIT D DIM 1H
Ground Elevation= 571.3' (NAVD 88)
NAD27-TX SOUTH CENT
X= 1,778,559.29'
Y= 195,706.92'
Lat. 28.372529381°N
Lon. 99.688564480°W
NAD83-TX SOUTH CENT
X= 1,746,999.22'
Y= 13,329,148.18'
Lat. 28.37278782°N
Lon. 99.68860748°W

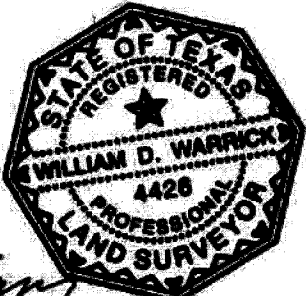
PROPOSED FIRST TAKE POINT
PROPOSED PENETRATION POINT
CHESAPEAKE OPERATING, INC.
BERDOLL UNIT D DIM 1H
Ground Elevation= 563.4' (NAVD 88)
NAD27-TX SOUTH CENT
X= 1,776,949.77'
Y= 195,884.22'
Lat. 28.370240524°N
Lon. 99.693553996°W
NAD83-TX SOUTH CENT
X= 1,745,349.66'
Y= 13,319,323.46'
Lat. 28.370509049°N
Lon. 99.693880433°W

PROPOSED LAST TAKE POINT
PROPOSED TERMINUS POINT
CHESAPEAKE OPERATING, INC.
BERDOLL UNIT D DIM 1H
Ground Elevation= 560.0' (NAVD 88)
NAD27-TX SOUTH CENT
X= 1,779,943.63'
Y= 191,720.27'
Lat. 28.368336834°N
Lon. 99.684169337°W
NAD83-TX SOUTH CENT
X= 1,748,343.59'
Y= 13,315,139.52'
Lat. 28.35910585°N
Lon. 99.68449533°W

| TR. NO. | PARTICIPANT | ACREAGE |
|---------|------------------------|---------|
| 1 | HAL AND LISA BERDOLL | 80.79 |
| 2 | DTB INVESTMENT, et al. | 80.80 |
| TOTALS: | | 161.59 |

Laterals were adjusted by John Chance Land Surveys, Inc. per CHESAPEAKE OPERATING, INC.'s instructions.
"NADCON ver. 2.1" was used to transform NAD 1927 Coordinates to NAD 1983 Coordinates.
No residential or commercial structures, not owned by applicant, his lessor, or other predecessor in interest, were situated within a 500' radius of this location on November 30, 2011.
I, William D. Warrick, hereby certify that the PROPOSED SURFACE HOLE LOCATION OF CHESAPEAKE OPERATING, INC.'s BERDOLL FED UNIT DIM 1H LOCATION was staked as follows:
Proposed surface location being located 339' from the South line and 785' from the East line of the Berdoll Ranch Lease Line, located in DIMMIT COUNTY, TEXAS
BEARS: S37° 42' 30"E MILES: 6.9 FROM (ASHERTON, TX) TO SHL,
Proposed last take point / proposed terminus location being located 509' from the West line and 330' from the North line of the Flat Creek Ranch Lease Line, located in DIMMIT COUNTY, TEXAS.

NOTE:
1. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY: PLAT IS BASED ON INFORMATION PROVIDED BY CLIENT.
2. DIMENSIONS GIVEN ARE TO THE NEAREST FLAT CREEK RANCH AND BERDOLL RANCH BOUNDARY/LEASE LINES, AS RECORDED IN THE DEED RECORDS OF DIMMIT COUNTY, TEXAS, AS WELL AS THE NEAREST LOT LINES OF THE CATARINA FARMS SUBDIVISION "F" AND "H" AS RECORDED IN THE PLAT RECORDS OF DIMMIT COUNTY, TEXAS, AND BASED UPON FOUND MONUMENTATION.
3. ACREAGE WITHIN TRACTS INCLUDE AREA AS DEDICATED ROADS PER CATARINA FARMS SUBDIVISION "F", VOL. 1, PG. 37, OF THE PLAT RECORDS OF DIMMIT COUNTY, TEXAS.



WILLIAM D. WARRICK
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4426

Proj. Mgr.: LPN
Revised: 5/07/12
Printed: 5/10/12

Chesapeake Operating, Inc.

BERDOLL UNIT D DIM 1H
BERDOLL UNIT D DIM 1H (245.55 ACRES)
LOT 8, BLOCK 41, CATARINA FARMS SUBDIVISION "F"
DIMMIT COUNTY, TEXAS

JOHN CHANCE
LAND SURVEYS, INC.



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|--|------------------------------|
| GEODETIC DATUM: NAD27 ZONE: TEXAS SOUTH CENTRAL GRID UNITS: US SURVEY FEET | SCALE IN FEET 0 1,000' |
| Job No.: 11-0347 Date: 11/30/11 Drawn: WIT/GS | Chart: Of: 1 1 |
| Dwgfile: L:\2011\110347\CAD\0110347A | |