

API No. <u>42-283-35461</u> Drilling Permit # <u>805638</u> SWR Exception Case/Docket No. <u>0296504</u> (R37)		<b>RAILROAD COMMISSION OF TEXAS</b> <b>OIL &amp; GAS DIVISION</b> <b>APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER</b> <small>This facsimile W-1 was generated electronically from data submitted to the RRC.          A certification of the automated data is available in the RRC's Austin office.</small>				<b>FORM W-1</b> 07/2004 Permit Status: <b>Approved</b>	
1. RRC Operator No. <b>135316</b>		2. Operator's Name (as shown on form P-5, Organization Report) <b>CARRIZO (EAGLE FORD) LLC</b>			3. Operator Address (include street, city, state, zip): <b>500 DALLAS ST SUITE 2300</b> <b>HOUSTON, TX 77002-0000</b>		
4. Lease Name <b>MIESCH A UNIT</b>			5. Well No. <b>20H</b>				
<b>GENERAL INFORMATION</b>							
6. Purpose of filing (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <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; margin-top: 5px;"> <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; margin-top: 5px;"> <span><input type="checkbox"/> Vertical</span> <span><input checked="" 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 <b>11000</b>		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			
<b>SURFACE LOCATION AND ACREAGE INFORMATION</b>							
11. RRC District No. <b>01</b>		12. County <b>LA SALLE</b>		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>8</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 <b>16</b>	16. Block <b>4</b>	17. Survey <b>I&amp;GN RR CO</b>		18. Abstract No. <b>A-342</b>	19. Distance to nearest lease line: <b>100</b> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <b>75.89</b>	
21. Lease Perpendiculars: <u>1603</u> ft from the <u>SE OFF LSE</u> line and <u>776</u> ft from the <u>SW OFF LSE</u> line. 22. Survey Perpendiculars: <u>1603</u> ft from the <u>SOUTH EAST</u> line and <u>776</u> ft from the <u>SOUTH WEST</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			
<b>FIELD INFORMATION</b> 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	11000	0.00	
<b>BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS</b> (see W-1H attachment)							
<u>Remarks</u> [FILER Apr 15, 2015 2:01 PM]: PLEASE NOTE NPZ AND RULE 37 OWN OFF SET; [RRC STAFF Apr 20, 2015 3:19 PM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Apr 30, 2015 9:57 AM]: Problems identified with this permit are resolved.				<u>Certificate:</u> 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; margin-top: 20px;"> <div> <u>Madelon Raney</u>            Name of filer         </div> <div> <u>Apr 15, 2015</u>            Date submitted         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(713)3281000</u>            Phone         </div> <div> <u>madelon.raney@crzo.net</u>            E-mail Address (OPTIONAL)         </div> </div>			
RRC Use Only    Data Validation Time Stamp:    Apr 30, 2015 10:03 AM( 'As Approved' Version )							

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

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

Form W-1H  
Supplemental Horizontal Well Information

07/2004

**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.

Permit #	805638
Approved Date:	Apr 30, 2015

1. RRC Operator No. 135316	2. Operator's Name (exactly as shown on form P-5, Organization Report) CARRIZO (EAGLE FORD) LLC	3. Lease Name MIESCH A UNIT	4. Well No. 20H
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**Lateral Drainhole Location Information**

5. Field as shown on Form W-1	EAGLEVILLE (EAGLE FORD-1) (Field # 27135700, RRC District 01)
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6. Section 7	7. Block 4	8. Survey I&GN RR CO	9. Abstract 333	10. County of BHL LA SALLE
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11. Terminus Lease Line Perpendiculars 100 ft. from the NORTH WEST line. and 165 ft. from the NORTH EAST line
12. Terminus Survey Line Perpendiculars 330 ft. from the SOUTH WEST line. and 2530 ft. from the SOUTH EAST line
13. Penetration Point Lease Line Perpendiculars 165 ft. from the NORTH EAST line. and 330 ft. from the SOUTH EAST line

CARRIZO (EAGLE FORD) LLC  
MIESCH 'A' UNIT NO. 20H BHL  
Y = 260,408  
X = 1,897,275  
LAT. = 28.549139° N  
LONG. = 99.319966° W

CARRIZO (EAGLE FORD) LLC  
OFFSET OPERATOR

### I.&G.N.R.R. SURVEY A-333

### I.&G.N.R.R. SURVEY A-334

NO PERF ZONE

LTP  
Y = 257,939  
X = 1,898,719

### I.&G.N.R.R. SURVEY A-342

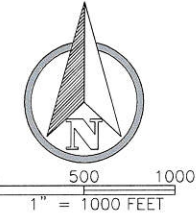
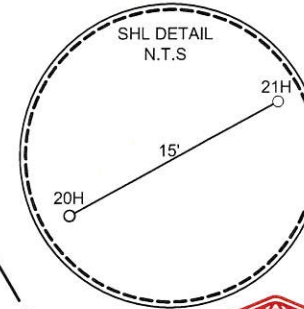
CARRIZO (EAGLE FORD) LLC  
OFFSET OPERATOR

CARRIZO (EAGLE FORD) LLC  
MIESCH 'A' UNIT NO. 20H SHL  
Y = 255,266  
X = 1,900,798  
LAT. = 28.535023° N  
LONG. = 99.308951° W  
ELEV = 532'

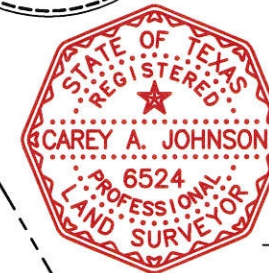
POP/FTP  
Y = 255,014  
X = 1,900,429

LINE	BEARING	DISTANCE
L1	S 28°28'32" W	521.04'
L2	N 30°19'03" W	238.15'
L3	N 30°19'03" W	3388.59'
L4	N 30°19'03" W	2860.24'

TRACT	LESSOR	ACRES
1	EDWARD P. MIESCH, ET AL	46.00
2	JUANITA GONZALEZ, ET AL (83.3333%)	29.89
TOTAL		75.89



I HEREBY STATE THAT THIS PLAT  
SHOWS THE SUBJECT SURFACE  
LOCATION AS STAKED ON THE GROUND.



CAREY A. JOHNSON  
REGISTERED PROFESSIONAL LAND SURVEYOR  
STATE OF TEXAS NO. 6524

330' NO PERF

330' BUFFER

#### GENERAL NOTES

- COORDINATES SHOWN ARE BASED ON TEXAS PLANE COORDINATE SYSTEM OF NAD 27, TEXAS SOUTH CENTRAL ZONE (4204)
- VERTICAL DATUM IS NAVD 88
- LATITUDE AND LONGITUDE ARE NAD 27 AS SHOWN
- AREA, DISTANCES, AND COORDINATES ARE "GRID".
- UNITS ARE UNITED STATES SURVEY FOOT.
- ALL LEASE AND TRACT INFORMATION SHOWN HERE ON IS DONE SO BY LIMITED DEED RECORD INFORMATION ONLY. ALL ACREAGES SHOWN ARE BY DEED AND LEASE CALL, EXCEPT WHERE NOTED. THIS IS NOT IN ANY WAY A "BOUNDARY SURVEY".

#### PLAT OF: A PROPOSED WELL LOCATION FOR: CARRIZO (EAGLE FORD) LLC MIESCH 'A' UNIT NO. 20H

SITUATED IN THE I. & G. N. RR. CO. SURVEY, A-342,  
THE I. & G. N. RR. CO. SURVEY, A-333 AND  
BEING EIGHT MILES NORTHWEST OF COTULLA,  
LA SALLE COUNTY, TEXAS.

**FRANK**  
SURVEYING COMPANY INC  
550 Bailey Ave., 205 - Fort Worth, TX 76107  
Ph: 817.349.9800 - Fax: 979.732.5271  
TBPLS Firm No. 10193887  
www.franksurveying.com  
LAND SURVEYING/ENERGY/GIS SERVICES

DATE: 04-10-15  
DRAWN BY: HJ  
CHECKED BY: ML  
FIELD CREW: CL  
PROJECT NO: 2015030286  
SCALE: 1" = 1000'  
SHEET: 1 OF 1  
REVISION: NO

I.&G.N.R.R. SURVEY  
A-342