

API No. <u>42-283-36438</u> Drilling Permit # <u>843689</u> SWR Exception Case/Docket No. <u>0314507</u> (R37)		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. 135316		2. Operator's Name (as shown on form P-5, Organization Report) CARRIZO (EAGLE FORD) LLC			3. Operator Address (include street, city, state, zip): ATTN MADELON RANEY 500 DALLAS ST SUITE 2300 HOUSTON, TX 77002-0000		
4. Lease Name PENA SOUTH-JLH LIC A ALLOC A			5. Well No. 16H				
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> New Drill <input type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input type="checkbox"/> Field Transfer <input type="checkbox"/> Re-Enter </div> <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Amended <input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D) </div>							
7. Wellbore Profile (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <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 </div>							
8. Total Depth 11000		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>3.9</u> miles in a <u>N</u> direction from <u>COTULLA</u> which is the nearest town in the county of the well site.							
15. Section 936	16. Block	17. Survey SHIVERS, C O		18. Abstract No. A-1072	19. Distance to nearest lease line: 1 ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: 3035.46	
21. Lease Perpendiculars: <u>262</u> ft from the <u>SOUTH EAST</u> line and <u>1006</u> ft from the <u>NORTH EAST</u> line. 22. Survey Perpendiculars: <u>254</u> ft from the <u>SOUTH WEST</u> line and <u>6966</u> ft from the <u>NORTH 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 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	352.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks See W1 Comments attached				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>Madelon Raney</u> Name of filer <u>(713)3281000</u> Phone </div> <div> <u>Aug 16, 2018</u> Date submitted <u>madelon.raney@crzo.net</u> E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only Data Validation Time Stamp: Aug 17, 2018 5:01 PM('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 #	843689
Approved Date: Aug 17, 2018	

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 PENA SOUTH-JLH LIC A ALLOC A	4. Well No. 16H
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 C.O. SHIVERS	9. Abstract 1072
		10. County of BHL LA SALLE	
11. Terminus Lease Line Perpendiculars 612 ft. from the SOUTH WEST line. and 10450 ft. from the NORTH WEST line			
12. Terminus Survey Line Perpendiculars 583 ft. from the SOUTH WEST line. and 483 ft. from the NORTH WEST line			
13. Penetration Point Lease Line Perpendiculars 436 ft. from the SOUTH EAST line. and 1030 ft. from the NORTH EAST line			

Permit Status: **Approved**

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

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W-1 Comments

Permit # **843689**

Approved Date: **Aug 17, 2018**

[Aug 16, 2018 3:27 PM]: Commission Staff expresses no opinion as to whether a 100% ownership interest in each of the leases alone or in combination with a "production sharing agreement" confers the right to drill across lease/unit lines or whether a pooling agreement is also required. However, until that issue is directly addressed and ruled upon by a Texas court of competent jurisdiction it appears that a 100% interest in each of the leases and a production sharing agreement constitute a sufficient colorable claim to the right to drill a horizontal well as proposed to authorize the removal of the regulatory bar and the issuance of a drilling permit by the Commission, assuming the proposed well is in compliance with all other relevant Commission requirements.

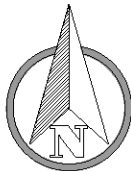
Issuance of the permit is not an endorsement or approval of the applicant's stated method of allocating production proceeds among component leases or units. All production must be reported to the Commission as production from the lease or pooled unit on which the wellhead is located and reported production volume must be determined by actual measurement of hydrocarbon volumes prior to leaving that tract and may not be based on allocation or estimation. Payment of royalties is a contractual matter between the lessor and lessee. Interpreting the leases and determining whether the proposed proceeds allocation comports with the relevant leases is not a matter within Commission jurisdiction but a matter for the parties to the lease and, if necessary, a Texas court of competent jurisdiction.

The foregoing statements are not, and should not be construed as, a final opinion or decision of the Railroad Commission.; [FILER Aug 16, 2018 3:41 PM]: PLEASE NOTE P-6 SUBDIVISION HAS BEEN FILED ON OUR PENA LEASE. IF YOU HAVE QUESTIONS PLEASE CONTACT SAMANTHA RIVERA IN THE COMPLETIONS DEPARTMENT OF THE RRC.; [RRC STAFF Aug 17, 2018 10:25 AM]: Corrected NW Survey Line Call per plat.

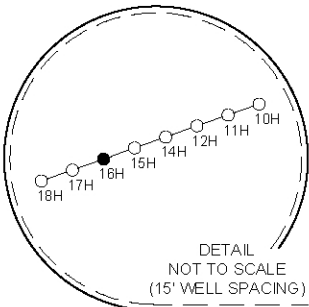
GENERAL NOTES

- 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". WELL STAKED 12-13-2017. SHL UPDATE 08-06-2018.

LINE	BEARING	DISTANCE
L1	S 53°39'37" E	256.67'
L2	N 58°52'55" W	500.00'
L3	N 58°52'55" W	1580.41'
L4	N 60°39'28" W	4890.52'



0 1000 2000
1" = 2000 FEET



330' BUFFER

I.&G.N.R.R.CO.
A-433

I.&G.N.RR.CO.
A-896

W.P. HARDEMAN
A-1181

S.B. MOSSER
A-1052

I.&G.N.RR.CO.
A-894

B. THOMAS
A-1086

G.W. CALDWELL
A-1136

I.&G.N.RR.CO.
A-432

I.&G.N.RR.CO.
A-897

TRACT 1

RAIL ROAD

W.J. HUGHES
A-1553

J.W. MCMULLEN
A-1060

INDIANOLA R.R. CO.
A-539

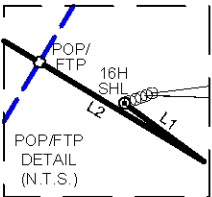
I.&G.N.RR.CO.
A-352

I.&G.N.RR.CO.
A-353

CARRIZO (EAGLE FORD) LLC
PENA SOUTH-JLH LIC A ALLOC A NO. 16H
LTP/BHL
Y = 242.941
X = 1,914.026
LAT. = 28.501213° N
LONG. = 99.267666° W

T. MCMULLEN
A-1059

INDIANOLA R.R. CO.
A-540



POP/FTP
Y = 239.727
X = 1,919.642
SEE POP/FTP
DETAIL

CARRIZO (EAGLE FORD) LLC
PENA SOUTH-JLH LIC A ALLOC A NO. 16H
SHL
ELEV. = 473'
Y = 239.621
X = 1,919.863
LAT. = 28.492118° N
LONG. = 99.249470° W
SEE SHL DETAIL

W.J. GOODWIN
A-1180

W.L. SHILLING
A-1743

C.O. SHIVERS
A-1072

C.M. WOLCKEN
A-1351

C.C.S.D. &
R.G.N.R. RR. CO.
A-713

TRACT	NAME	ACRES
2A	JLH LIC INVESTMENTS, TR. 1	97.99
2B	JLH LIC INVESTMENTS, TR. 2	109.18
2C	JLH LIC INVESTMENTS	99.75
2D	NUZUM	20.00
TOTAL UNIT ACRES		326.92
1	PENA SOUTH LEASE	2708.54
2	JLH LIC A UNIT	326.92
TOTAL ALLOCATION ACRES		3035.46

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

TOBY G. STOCK
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF TEXAS NO. 6412



550 Bailey Ave., 205 - Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net
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PLAT OF:
A PROPOSED WELL LOCATION FOR:
CARRIZO (EAGLE FORD) LLC
PENA SOUTH-JLH LIC A ALLOC A NO. 16H
SITUATED IN THE C. O. SHIVERS SURVEY, A-1072 AND
BEING APPROXIMATELY 3.9 MILES NORTH OF
COTULLA, LA SALLE COUNTY, TEXAS.

DATE: 08-06-18 PROJECT NO: 2017122150
DRAWN BY: EP SCALE: 1" = 2000'
CHECKED BY: TS SHEET: 1 OF 1
FIELD CREW: CLGH REVISION: