

API No. <u>42-317-40493</u> Drilling Permit # <u>815972</u> SWR Exception Case/Docket No. <u>0300786</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. <u>256795</u>		2. Operator's Name (as shown on form P-5, Organization Report) EXL PETROLEUM OPERATING INC.		3. Operator Address (include street, city, state, zip): 6 DESTA DRIVE SUITE 2800 MIDLAND, TX 79705-0000		
4. Lease Name UL COMANCHE A4144 UNIT		5. Well No. <u>4146</u>				
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 <u>10000</u>		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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
SURFACE LOCATION AND ACREAGE INFORMATION						
11. RRC District No. <u>08</u>		12. County <u>MARTIN</u>		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>23.4</u> miles in a <u>NW</u> direction from <u>Lenorah</u> which is the nearest town in the county of the well site.						
15. Section <u>41</u>		16. Block <u>6</u>		17. Survey <u>UNIVERSITY LANDS</u>		
		18. Abstract No. <u>A-U10</u>		19. Distance to nearest lease line: <u>1</u> ft		
20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>479.86</u>						
21. Lease Perpendiculars: <u>1675.4</u> ft from the <u>N</u> line and <u>330</u> ft from the <u>E</u> line.						
22. Survey Perpendiculars: <u>1675.4</u> ft from the <u>N</u> line and <u>330</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	
08	85280301	SPRABERRY (TREND AREA) R 40 EXC	Oil Well	10000	0.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)						
Remarks [RRC STAFF May 31, 2016 12:22 PM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF May 31, 2016 12:29 PM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Jun 1, 2016 3:23 PM]: Problems identified with this permit are resolved.; [RRC STAFF Jun 1, 2016 3:23 PM]: Revised P12 and P16 attached.; [RRC STAFF Jun 1, 2016 4:36 PM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Jun 2, 2016 1:28 PM]: Problems identified with this permit are resolved.; [RRC STAFF Jun 2, 2016 1:31 PM]: Belle Lowe sent revised plat.			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>Belle Lowe, Regulatory Analyst</u> Name of filer </div> <div> <u>May 27, 2016</u> Date submitted </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(432)6868080, x47</u> Phone </div> <div> <u>belle@exlpetroleum.com</u> E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only Data Validation Time Stamp: Jun 3, 2016 12:48 PM(Current 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 07/2004
Supplemental Horizontal Well Information

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

*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.*

Permit # **815972**

Approved Date: **Jun 03, 2016**

1. RRC Operator No. 256795	2. Operator's Name (exactly as shown on form P-5, Organization Report) EXL PETROLEUM OPERATING INC.	3. Lease Name UL COMANCHE A4144 UNIT	4. Well No. 4146
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 SPRABERRY (TREND AREA) R 40 EXC (Field # 85280301, RRC District 08)			
6. Section 44	7. Block 6	8. Survey UNIVERSITY LANDS	9. Abstract
		10. County of BHL MARTIN	
11. Terminus Lease Line Perpendiculars 50 ft. from the S line. and 330 ft. from the E line			
12. Terminus Survey Line Perpendiculars 50 ft. from the S line. and 330 ft. from the E line			
13. Penetration Point Lease Line Perpendiculars 1675.4 ft. from the N line. and 330 ft. from the E line			

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

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER 815972	DATE PERMIT ISSUED OR AMENDED Jun 03, 2016	DISTRICT * 08															
API NUMBER 42-317-40493	FORM W-1 RECEIVED May 27, 2016	COUNTY MARTIN															
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 479.86															
OPERATOR EXL PETROLEUM OPERATING INC. 6 DESTA DRIVE SUITE 2800 MIDLAND, TX 79705-0000		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. District Office Telephone No: (432) 684-5581															
LEASE NAME UL COMANCHE A4144 UNIT		WELL NUMBER 4146															
LOCATION 23.4 miles NW direction from LENORAH		TOTAL DEPTH 10000															
Section, Block and/or Survey SECTION 41 BLOCK 6 ABSTRACT U10 SURVEY UNIVERSITY LANDS																	
DISTANCE TO SURVEY LINES 1675.4 ft. N 330 ft. E		DISTANCE TO NEAREST LEASE LINE 1 ft.															
DISTANCE TO LEASE LINES 1675.4 ft. N 330 ft. E		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below															
FIELD(s) and LIMITATIONS: <p style="text-align: center;">* SEE FIELD DISTRICT FOR REPORTING PURPOSES * ** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(B) ** CASE NO. 0300786</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">FIELD NAME LEASE NAME</th> <th style="text-align: center;">ACRES NEAREST LEASE</th> <th style="text-align: center;">DEPTH</th> <th style="text-align: center;">WELL # NEAREST WE</th> <th style="text-align: center;">DIST</th> </tr> </thead> <tbody> <tr> <td>** SPRABERRY (TREND AREA) R 40 EXC</td> <td style="text-align: center;">479.86</td> <td style="text-align: center;">10,000</td> <td style="text-align: center;">4146</td> <td style="text-align: center;">08</td> </tr> <tr> <td>UL COMANCHE A4144 UNIT</td> <td style="text-align: center;">1</td> <td></td> <td style="text-align: center;">0</td> <td></td> </tr> </tbody> </table> <p>WELLBORE PROFILE(s) FOR FIELD: Horizontal</p> <p>RESTRICTIONS: Permitted for oil only. Lateral: TH1 Penetration Point Location Lease Lines: 1675.4 F N L 330.0 F E L Terminus Location BH County: MARTIN Section: 44 Block: 6 Abstract: Survey: UNIVERSITY LANDS Lease Lines: 50.0 F S L 330.0 F E L Survey Lines: 50.0 F S L 330.0 F E L</p> <p>' *** ' PRECEDING FIELD NAME INDICATES RULE (R37)</p> <p style="text-align: center;">THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</p> <p>This well shall be completed and produced in compliance with applicable special field or statewide spacing and density rules. If this well is to be used for brine mining, underground storage of liquid hydrocarbons in salt formations, or underground storage of gas in salt formations, a permit for that specific purpose must be obtained from Environmental Services prior to construction, including drilling, of the well in accordance with Statewide Rules 81, 95, and 97.</p>			FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH	WELL # NEAREST WE	DIST	** SPRABERRY (TREND AREA) R 40 EXC	479.86	10,000	4146	08	UL COMANCHE A4144 UNIT	1		0	
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UL COMANCHE A4144 UNIT	1		0														

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

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LEASE NAME	NEAREST LEASE		NEAREST WE														
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**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION
SWR #13 Formation Data**

MARTIN (317) County

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
SANTA ROSA	1,000	1,000		1	12/17/2013
YATES	2,200	2,700		2	12/17/2013
QUEEN	4,100	4,100		3	12/17/2013
GRAYBURG	3,950	4,300		4	12/17/2013
SAN ANDRES	3,500	4,700	Active CO2 flood; high flows; H2S; corrosive	5	12/17/2013
CISCO	8,500	8,500		6	12/17/2013
SPRABERRY	6,500	8,500		7	12/17/2013
DEAN	6,500	9,500		8	12/17/2013
WOLFCAMP	8,600	9,600		9	12/17/2013
PENNSYLVANIAN	9,400	10,600		10	12/17/2013
STRAWN	10,100	10,600		11	12/17/2013
MISSISSIPPIAN	11,100	11,100		12	12/17/2013
FUSSELMAN	10,600	11,600		13	12/17/2013
SILURIAN	11,600	12,100		14	12/17/2013
DEVONIAN	11,500	12,200		15	12/17/2013
ELLENBURGER	13,200	13,200		16	12/17/2013

The above list may not be all inclusive, and may also include formations that do not intersect all wellbores. Formation "TOP" information listed reflects an estimated range based on geologic variances across the county. To clarify, the "Deep Top" is not the bottom of the formation; it is the deepest depth at which the "TOP" of the formation has been or might be encountered. This is a dynamic list subject to updates and revisions. It is the operator's responsibility to make sure that at the time of spudding the well the most current list is being referenced. Refer to the RRC website at the following address for the most recent information.
<http://www.rrc.texas.gov/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>



RAILROAD COMMISSION OF TEXAS

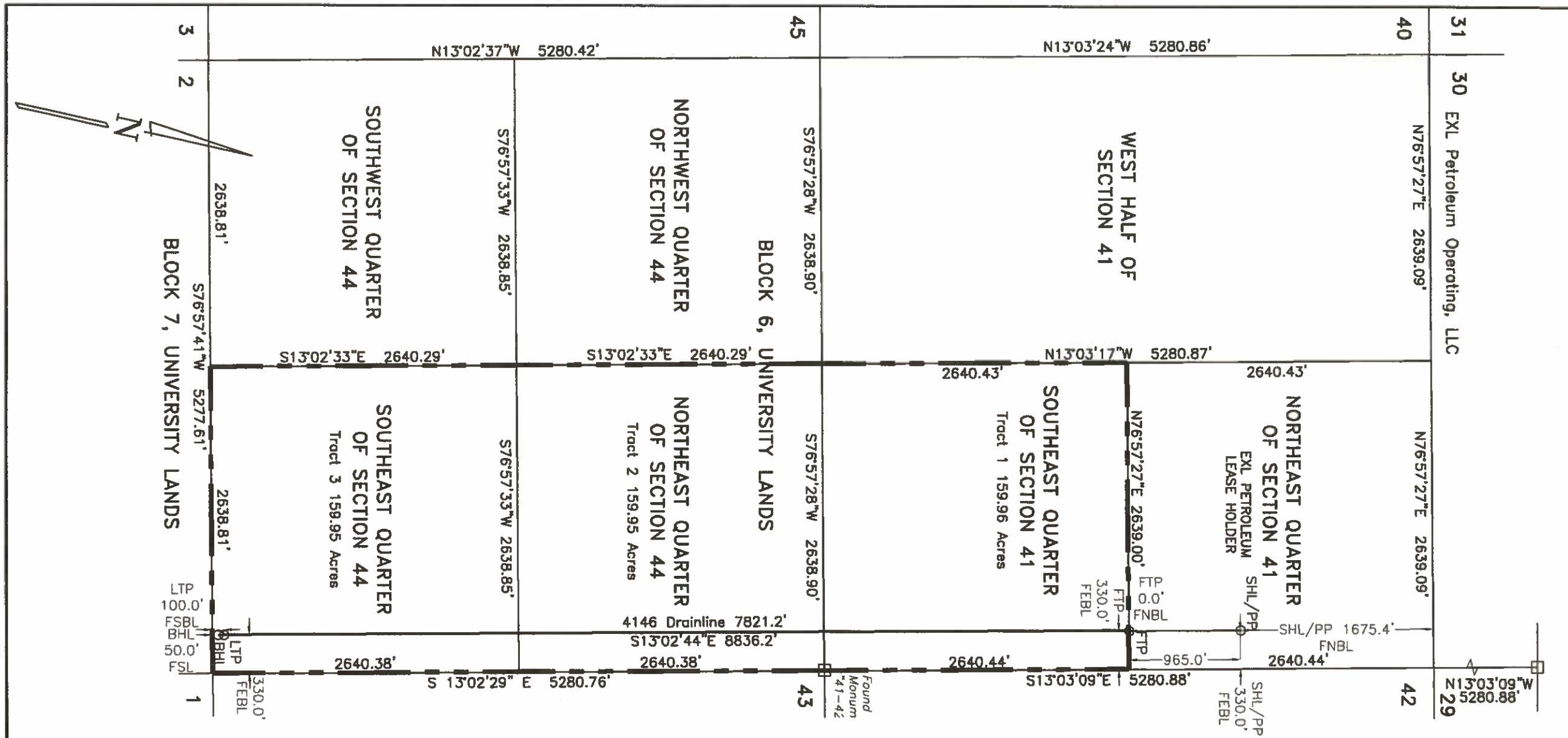
1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Status: Issued
Date: 06/03/2016
GAU No.: 155813
Version: 1

Pymt Trace No:

GROUND WATER APPLICATION REPORT

PREPARER INFORMATION			
Preparer Name:	William Robinson	Phone Number:	512-463-3340
E-mail Address:	william.robinson@rrc.texas.	Fax Number:	
FILING INFORMATION			
Reason for Filing:	New Drill	Expedite:	N
API Number:	Previous GAU No. for this Well:		
Areal Extent:	Radius	Radius:	200 DP Number:
OPERATOR INFORMATION			
Operator Name:	EXL PETROLEUM OPERATING INC.	Operator Number:	256795
Address Line 1:	6 DESTA DRIVE SUITE 2800		
Address Line 2:		City:	MIDLAND
State:	TX	Zip Code:	79705
WELL IDENTIFICATION INFORMATION			
County:	MARTIN	District:	08 Lease ID:
Lease Name:	UL Comanche A4144 Unit	Well Number:	4146
Alternate Well ID:			
GPS COORDINATES INFORMATION			
NAD:	83	State Plane Zone:	
Latitude Degrees:	32	Longitude Degrees:	-102
Latitude Minutes:	28	Longitude Minutes:	11
Latitude Seconds:	0.58	Longitude Seconds:	49.73
Decimal Degrees Latitude:	Decimal Degrees Longitude:		
State Plane X-Coordinate:	State Plane Y-Coordinate:		
SURVEY INFORMATION			
Survey Name:	UL	Abstract Number:	U10
Block:	6	Township:	Section: 41
Tract:		Lot:	League:
Labor:		Porclon:	Share:
REFERENCE LINES INFORMATION			
Reference Line:	Section		
First Distance:	370	First Direction:	East
Second Distance:	1675	Second Direction:	North
ADDITIONAL INFORMATION			
Elevation:	2897		
Total Vertical Depth:	9350		
Formation at Total Vertical Depth:	Sprayberry (Trend Area) R 40 EXC		
Remarks:	Radius of 200 feet. Internal filing to replace GAU-155715 to bypass IT Issue that would not allow critical corrections.		



NOTES:

Boundary Construction base on Survey of University Land by F.F. Friend in 1930 & 1931.

- ☐ = Standard 8" Concrete Monument with 4" square Brass Tablet marked with Section Number set by Frank

The well location shown on this plat represents an actual survey made by me or under my supervision to the best of my knowledge and belief as surveyed on the ground on 4/28/16 & 5/3/16.

John Stan Piper

J. STAN PIPER
REGISTERED PROFESSIONAL LAND SURVEYOR #1974

DESCRIPTION:

UL COMANCHE A4144 UNIT #4146
The Southeast Quarter of Section 41,
and the East Half of Section 44,
Block 6, University Lands, Martin County, Texas

LOCATION IN SURVEY: SHL 1675.4' FNL & 330.0' FEL
BHL 50.0' FSL & 330.0' FEL

LOCATION IN LEASE: FTP 0.0' FNBL & 330.0' FEBL
BHL 50.0' FSBL & 330.0' FEBL

LAT: SHL 32°28'00.584"
BHL 32°26'36.149"

LONG: SHL 102°11'49.733"
BHL 102°11'22.937"

ELEVATION: SHL 2897'

OPERATOR:

EXL PETROLEUM OPERATING, LLC
6 Desta Drive
Suite 2800
Midland, Texas 79705

NEAREST POST OFFICE:

23.4 Miles Southeast to Lenorah, TX

ACREAGE: 479.86 in Unit

NORTH(Y) SHL 6872839.76
BHL 6864231.64

EAST(X) SHL 828490.97
BHL 830485.52

DWG FILE:

Wolcott.Dwg

CRD FILE:

Wolcott83c.Crd

DRAWN BY:

Gene M. Rodriguez

SCALE:

1"=1000'

DATE:

5/4/16

Revised:

5/18&26/16

FIELD BOOK: Martin #6, Pg. 29

NORTH AMERICA DATUM:

1983/CORS TX Central

1927 NAD

(Y) SHL 323438.90
BHL 314812.08

EAST (X)

SHL 551926.99
BHL 553839.19



PIPER SURVEYING P.O. BOX 60432; MIDLAND, TEXAS 79711; 432.550.7810; FIRM NO. 10155200