

API No. <u>42-383-37137</u> Drilling Permit # <u>708390</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. 250195		2. Operator's Name (as shown on form P-5, Organization Report) EL PASO E & P COMPANY, L. P.		3. Operator Address (include street, city, state, zip):			
4. Lease Name UNIVERSITY 11-18		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 12990		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. 7C		12. County REAGAN		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>0.9</u> miles in a <u>SW</u> direction from <u>BIG LAKE</u> which is the nearest town in the county of the well site.							
15. Section 18		16. Block 11		17. Survey UNIVERSITY LAND		18. Abstract No. A-	
				19. Distance to nearest lease line: 467 ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 662.5	
21. Lease Perpendiculars: <u>200</u> ft from the <u>N</u> line and <u>1800</u> ft from the <u>E</u> line. 22. Survey Perpendiculars: <u>200</u> ft from the <u>N</u> line and <u>1800</u> ft from the <u>E</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	
7C	53613750	LIN (WOLFCAMP)		Oil or Gas Well	7800	0.00	
7C	85279200	SPRABERRY (TREND AREA)		Oil or Gas Well	7800	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>Mona Ware, Regulatory Analyst</u> Name of filer <u>(713)4202417</u> Phone </div> <div> <u>Jan 12, 2011</u> Date submitted <u>Mona.Ware@ElPaso.com</u> E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only Data Validation Time Stamp: Jan 20, 2011 3:40 PM(Current 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

Form W-1H 07/2004
Supplemental Horizontal Well Information

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 #	708390
Approved Date:	Jan 14, 2011

1. RRC Operator No. 250195	2. Operator's Name (exactly as shown on form P-5, Organization Report) EL PASO E & P COMPANY, L. P.	3. Lease Name UNIVERSITY 11-18	4. Well No. 1H
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Lateral Drainhole Location Information

5. Field as shown on Form W-1	SPRABERRY (TREND AREA) (Field # 85279200, RRC District 7C)
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6. Section 18	7. Block 11	8. Survey UNIVERSITY LAND	9. Abstract	10. County of BHL REAGAN
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11. Terminus Lease Line Perpendiculars 467 ft. from the S line. and 1800 ft. from the E line
12. Terminus Survey Line Perpendiculars 467 ft. from the S line. and 1800 ft. from the E line
13. Penetration Point Lease Line Perpendiculars 850 ft. from the N line. and 1800 ft. from the E line

5. Field as shown on Form W-1	LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)
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6. Section 18	7. Block 11	8. Survey UNIVERSITY LAND	9. Abstract	10. County of BHL REAGAN
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11. Terminus Lease Line Perpendiculars 467 ft. from the S line. and 1800 ft. from the E line
12. Terminus Survey Line Perpendiculars 467 ft. from the S line. and 1800 ft. from the E line
13. Penetration Point Lease Line Perpendiculars 850 ft. from the N line. and 1800 ft. from the E line

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

Data Validation Time Stamp: Jan 18, 2011 8:16 AM(Current Version)

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 708390	DATE PERMIT ISSUED OR AMENDED Jan 14, 2011	DISTRICT * 7C											
API NUMBER 42-383-37137	FORM W-1 RECEIVED Jan 12, 2011	COUNTY REAGAN											
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 662.5											
OPERATOR EL PASO E & P COMPANY, L. P.		250195	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: (325) 657-7450										
LEASE NAME UNIVERSITY 11-18		WELL NUMBER 1H											
LOCATION 0.9 miles SW direction from BIG LAKE		TOTAL DEPTH 12990											
Section, Block and/or Survey SECTION ◀ 18 BLOCK ◀ 11 ABSTRACT ◀ SURVEY ◀ UNIVERSITY LAND													
DISTANCE TO SURVEY LINES 200 ft. N 1800 ft. E		DISTANCE TO NEAREST LEASE LINE 467 ft.											
DISTANCE TO LEASE LINES 200 ft. N 1800 ft. E		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below											
FIELD(s) and LIMITATIONS: <p align="center">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p>													
<table style="width:100%; border: none;"> <tr> <td style="width:60%;">FIELD NAME</td> <td style="width:10%;">ACRES</td> <td style="width:10%;">DEPTH</td> <td style="width:10%;">WELL #</td> <td style="width:10%;">DIST</td> </tr> <tr> <td>LEASE NAME</td> <td>NEAREST LEASE</td> <td></td> <td>NEAREST WE</td> <td></td> </tr> </table> <div style="margin-left: 40px;"> 1800.0 F E L Terminus Location BH County: REAGAN Section: 18 Block: 11 Abstract: Survey: UNIVERSITY LAND Lease Lines: 467.0 F S L 1800.0 F E L Survey Lines: 467.0 F S L 1800.0 F E L </div>				FIELD NAME	ACRES	DEPTH	WELL #	DIST	LEASE NAME	NEAREST LEASE		NEAREST WE	
FIELD NAME	ACRES	DEPTH	WELL #	DIST									
LEASE NAME	NEAREST LEASE		NEAREST WE										
<p 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>													



Texas Commission
on Environmental Quality
Surface Casing Program

DEPTH OF USABLE-QUALITY GROUND WATER TO BE PROTECTED

Date **January 14, 2011**

TCEQ File No.: SC- **10089**

***** EXPEDITED APPLICATION *****

API Number **38300000**

Attention: **MONA C WARE**

RRC Lease No. **000000**

SC_250195_38300000_000000_10089.pdf

EL PASO E&P CO LP
1001 LOUISIANA
RM 2730
HOUSTON TX 77002

P-5# 250195

--Measured--

1800 ft FEL

200 ft FNL

MRL: SURVEY

Digital Map Location:

X-coord/Long **1643762**

Y-coord/Lat **553744**

Datum **27** Zone **C**

County **REAGAN**

Lease & Well No. **UNIVERSITY 11-18 #1H**

Purpose **ND**

Location **SUR-UL, BLK-11, SEC-18, -- [TD=12990] , [RRC 7C] ,**


To protect usable-quality ground water at this location, the Texas Commission on Environmental Quality recommends:

The interval from the land surface to a depth of 800 feet must be protected.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Approval of the well completion methods for protection of this groundwater falls under the jurisdiction of the Railroad Commission of Texas. **This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).**

If you have any questions, please contact us at 512-239-0515, sc@tceq.state.tx.us, or by mail MC-151.

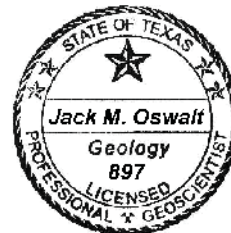
Sincerely,


Digitally signed by Jack Oswalt
DN: c=US, st=Texas, l=Austin, ou=Surface
Casing, o=Texas Commission on
Environmental Quality, cn=Jack Oswalt,
email=joswalt@tceq.state.tx.us
Date: 2011.01.14 10:13:48 -06'00'

Jack M. Oswalt, P.G.

Geologist, Surface Casing Team
Waste Permits Division

GEOLOGIST SEAL

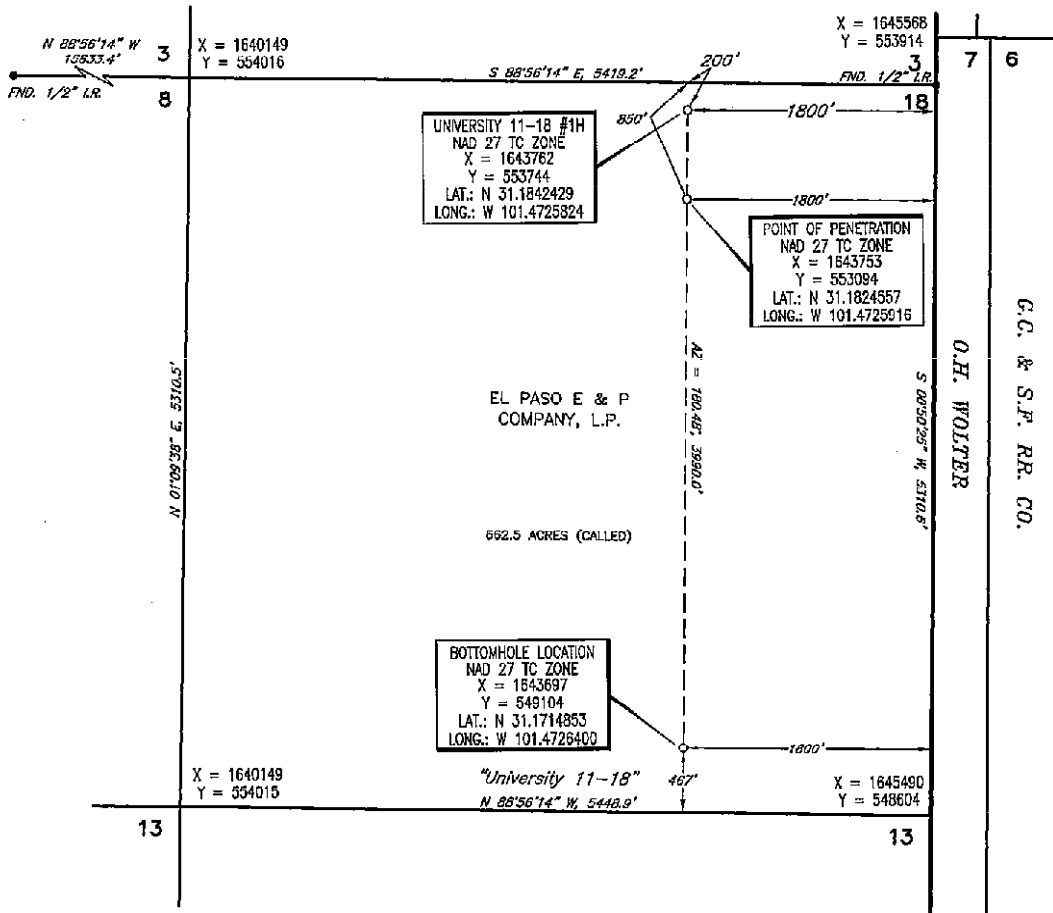


The seal appearing on this document was authorized by Jack M. Oswalt on 1/14/2011
Note: Alteration of this electronic document will invalidate the digital signature.

TOPOGRAPHIC

SURVEYING • MAPPING • GIS • GPS
2803 N. BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 (800) 767-1653 • FAX (432) 682-1743

REAGAN County, Texas
SHL: 200' FNL & 1800' FEL
POP: 850' FNL & 1800' FEL
Description: BHL: 467' FSL & 1800' FEL
SECTION 18, BLOCK 11, UNIVERSITY LAND



This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us. This plot does not in any way represent a "Boundary Survey", and does not comply with correct T&P.L.S. Minimum Standards of Procedures for Boundary Surveys.

SCALE: 1" = 1000'
0' 500' 1000'

Operator EL PASO E & P COMPANY, L.P. Date Staked NOVEMBER 16, 2010
Lease Name & Well No. UNIVERSITY 11-18 #1H Ground Elev. 2703'
Topography & Vegetation THICK MESQUITE
Nearest Town in County ±0.9 MILES SOUTHWEST OF BIG LAKE, TEXAS
Driving Directions FROM THE JCT. OF HWY. 67 & HWY. 137, GO SOUTH 0.2 MILES ON HWY. 137,
THENCE WEST 0.5 MILES ON SANTA RITA ROAD, THENCE SOUTH 0.4 MILES TO A POINT ±600' WEST OF
LOCATION.



CERTIFICATION:

I, William J. Keating, a Registered Professional Land Surveyor, and an authorized agent of Topographic Land Surveyors, do hereby certify that in my professional opinion the above described well location was surveyed and staked on the ground as shown. This plot is for Texas Railroad Commission permitting only.

William J. Keating
Texas Reg. No. 5041

Invoice # 161844/519SE
E.U.O.