

API No. <u>42-383-37075</u> Drilling Permit # <u>705983</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 8-12		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>2.1</u> miles in a <u>N</u> direction from <u>TEXON</u> which is the nearest town in the county of the well site.							
15. Section 12	16. Block 8	17. Survey UNIVERSITY LAND		18. Abstract No. A-	19. Distance to nearest lease line: 500 ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: 648.2	
21. Lease Perpendiculars: <u>400</u> ft from the <u>N</u> line and <u>600</u> ft from the <u>W</u> line. 22. Survey Perpendiculars: <u>400</u> ft from the <u>N</u> line and <u>600</u> ft from the <u>W</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	7400	0.00	
7C	85279200	SPRABERRY (TREND AREA)		Oil or Gas Well	7400	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.			
				Name of filer <u>Mona Ware, Regulatory Analyst</u> Date submitted <u>Nov 29, 2010</u> <u>(713)4202417</u> <u>Mona.Ware@ElPaso.com</u> Phone E-mail Address (OPTIONAL)			
RRC Use Only Data Validation Time Stamp: Nov 30, 2010 1:25 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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Permit #	705983
Approved Date:	Nov 30, 2010

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 8-12	4. Well No. 1H
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Lateral Drainhole Location Information

5. Field as shown on Form W-1 LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)

6. Section 12	7. Block 8	8. Survey UNIVERSITY LAND	9. Abstract	10. County of BHL REAGAN
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11. Terminus Lease Line Perpendiculars 500 ft. from the S line, and 600 ft. from the W line
12. Terminus Survey Line Perpendiculars 500 ft. from the S line, and 600 ft. from the W line
13. Penetration Point Lease Line Perpendiculars 1000 ft. from the N line, and 600 ft. from the W line

5. Field as shown on Form W-1 SPRABERRY (TREND AREA) (Field # 85279200, RRC District 7C)

6. Section 12	7. Block 8	8. Survey UNIVERSITY LAND	9. Abstract	10. County of BHL REAGAN
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11. Terminus Lease Line Perpendiculars 500 ft. from the S line, and 600 ft. from the W line
12. Terminus Survey Line Perpendiculars 500 ft. from the S line, and 600 ft. from the W line
13. Penetration Point Lease Line Perpendiculars 1000 ft. from the N line, and 600 ft. from the W 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 705983	DATE PERMIT ISSUED OR AMENDED Nov 30, 2010	DISTRICT * 7C
API NUMBER 42-383-37075	FORM W-1 RECEIVED Nov 29, 2010	COUNTY REAGAN
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 648.2
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 8-12		WELL NUMBER 1H
LOCATION 2.1 miles N direction from TEXON		TOTAL DEPTH 12990
Section, Block and/or Survey SECTION ◀ 12 BLOCK ◀ 8 ABSTRACT ◀ SURVEY ◀ UNIVERSITY LAND		
DISTANCE TO SURVEY LINES 400 ft. N 600 ft. W		DISTANCE TO NEAREST LEASE LINE 500 ft.
DISTANCE TO LEASE LINES 400 ft. N 600 ft. W		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below
FIELD(s) and LIMITATIONS: <p align="center">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p>		
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST WE
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LIN (WOLFCAMP)	648.20	7,400
UNIVERSITY 8-12	500	0

WELLBORE PROFILE(s) FOR FIELD: Horizontal		

RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 1000.0 F N L 600.0 F W L Terminus Location BH County: REAGAN Section: 12 Block: 8 Abstract: Survey: UNIVERSITY LAND Lease Lines: 500.0 F S L 600.0 F W L Survey Lines: 500.0 F S L 600.0 F W L		

SPRABERRY (TREND AREA)	648.20	7,400
UNIVERSITY 8-12	500	0

WELLBORE PROFILE(s) FOR FIELD: Horizontal		

RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 1000.0 F N L		

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LEASE NAME UNIVERSITY 8-12		WELL NUMBER 1H
LOCATION 2.1 miles N direction from TEXON		TOTAL DEPTH 12990
Section, Block and/or Survey SECTION 12 BLOCK 8 ABSTRACT 1 SURVEY UNIVERSITY LAND		
DISTANCE TO SURVEY LINES 400 ft. N 600 ft. W		DISTANCE TO NEAREST LEASE LINE 500 ft.
DISTANCE TO LEASE LINES 400 ft. N 600 ft. W		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below
FIELD(s) and LIMITATIONS: * SEE FIELD DISTRICT FOR REPORTING PURPOSES *		
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST WE
600.0 F W L Terminus Location BH County: REAGAN Section: 12 Block: 8 Abstract: Survey: UNIVERSITY LAND Lease Lines: 500.0 F S L 600.0 F W L Survey Lines: 500.0 F S L 600.0 F W L		
<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 **November 30, 2010**

TCEQ File No.: SC- **10013**

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

API Number **38300000**

Attention: **MONA C WARE**

RRC Lease No. **000000**

SC_250195_38300000_000000_10013.pdf

MONA C WARE
1001 LOUISIANA
RM 2035D
HOUSTON TX 77002

--Measured--

600 ft FWL

400 ft FNL

MRL: SURVEY

P-5# 250195

Digital Map Location:

X-coord/Long **1582739**

Y-coord/Lat **560062**

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

County **REAGAN**

Lease & Well No. **UNIVERSITY 8-12 #1H**

Purpose **ND**

Location **SUR-UL, BLK-8, SEC-12, -- [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 750 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: 2010.11.30 09:33:52 -06'00'

Jack M. Oswalt, P.G.

GEOLOGIST SEAL



Geologist, Surface Casing Team
Waste Permits Division

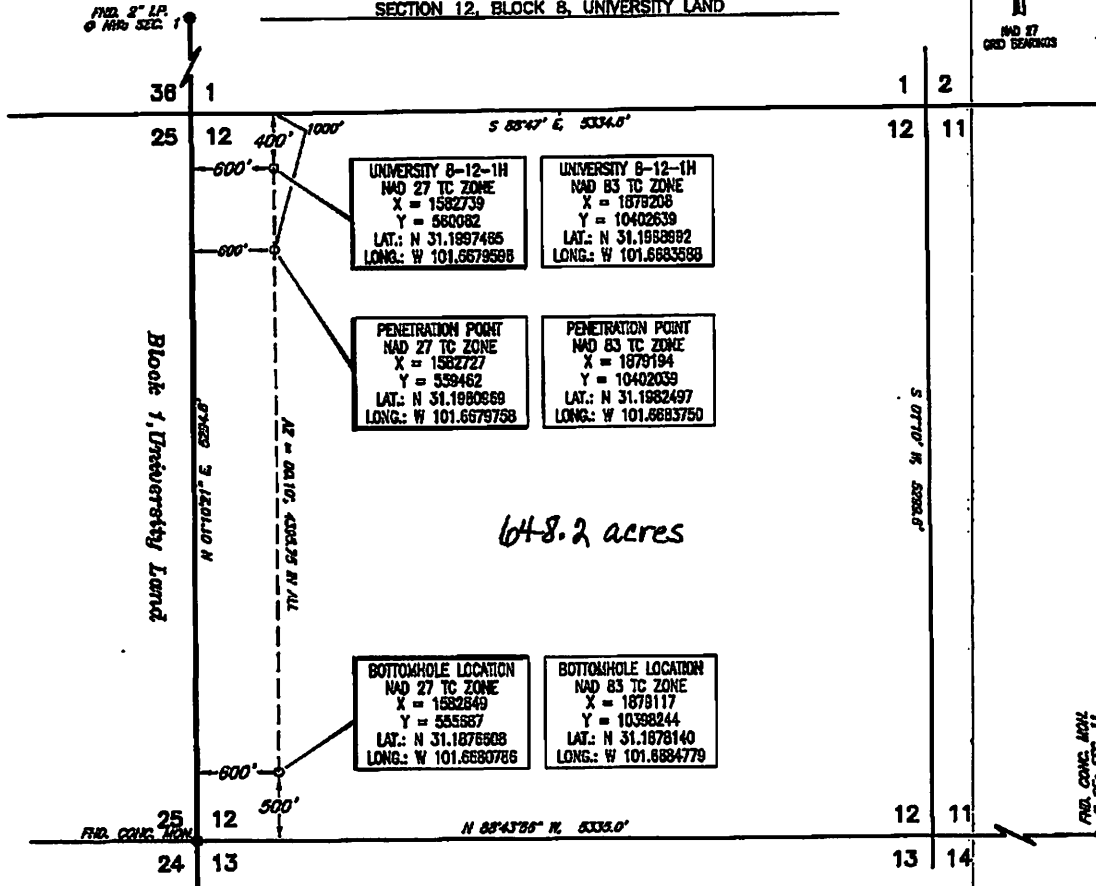
The seal appearing on this document was authorized by Jack M. Oswalt on 11/30/2010
Note: Alteration of this electronic document will invalidate the digital signature.

TOPOGRAPHIC

SURVEYING • MAPPING • GIS • GPS
2503 N. BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 (800) 757-1653 • FAX (432) 682-1743

REAGAN County, Texas
SHL: 400' FNL & 600' FWL
PP: 1000' FNL & 600' FWL
Description: BHL: 500' FSL & 600' FWL

SECTION 12, BLOCK 8, 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 L&P.L.S. Minimum Standards of Procedure for Boundary Surveys.

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

Operator EL PASO E & P COMPANY, L.P. Date Staked NOVEMBER 10, 2010

Lease Name & Well No. UNIVERSITY 8-12-1H Ground Elev. 2922'

Topography & Vegetation ROCKY NATURAL PASTURE

Nearest Town in County ±2.1 MILES NORTH OF TEXON, TEXAS

Driving Directions FROM JCT. HWY. 67 & RR. 1555 (TEXON, TX), GO SOUTH ±0.4 (ACROSS RR)

CONTINUE EAST ±0.5 MILES, THENCE SOUTHEAST ±1.75 MILES, THENCE WEST ±1.7 MILES ON (GOLF COURSE

RD), THENCE EAST ±0.6 MILES ON (GOLF COURSE RD.) TO A POINT NORTH ± 50' OF LOCATION.



Invoice # 181848/519NW
S.A.T.

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