#### API No. 42-317-40613

# RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION

FORM W-1	07/2004

SWR Exception Case/Docket No.  08-0302682 (R38)  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 Status:	Approved		
1. RRC Operator No. 2. Operator's Name (as shown on form P-5, Organization Report) 3. Operator Address (include street, or ATTN SOUTHERN DIV							RY			
4. Lease N			QLI	FLINLINGTO	5. Well No	<u> </u>		1050 17TH ST S		
			IVERSITY 7-2730		3. Well 10	N 16MI	В	DENVER, CO 8	0265-0000	
GENERA	<u> INFORMATIO</u>	N								
6. Purpose o	of filing (mark ALL	appropriate boxe	ss): X New Drill  Amended		ompletion nended as Drilled	Reclass d (BHL) (Also File	e Form W	Field Transfer	Re-Enter	
7. Wellbore	Profile (mark ALL	appropriate boxe	es): Uertical	X Horizontal (A	Also File Form W	V-1H)	Direction	onal (Also File Form W-1D)		Sidetrack
8. Total De	8755	minerals under	any right-oi-way ?	Yes No	10. Is this well	subject to Statewi	ide Rule 30	6 (hydrogen sulfide area)?	☐ Yes 🕱 No	)
SURFAC	E LOCATION A	ND ACREAG	E INFORMATION							
11. RRC D	istrict No.	12. County	MARTIN	13. Surface Lo	ocation X	Land	Bay/Est	uary 🔲 Inland Wat	erway Offshore	
14. This we	ell is to be located	21.6	miles in a NE	direction from	m	ANDREV	VS	which is the ne	arest town in the county of the	ne well site.
15. Section	30 16. Block	7 17. Su	rvey UL		18. A	bstract No. A-U27	19. Dist	ance to nearest lease line:  100 ft.	20. Number of contiguous lease, pooled unit, or unitize	
21. Lease I	Perpendiculars:	300		FSL	line and	510	_ ft from		line.	
22. Survey	Perpendiculars: _	300	ft from the	FSL	line and	510	_ ft from	the FWL	line.	
23. Is this	a pooled unit?	Yes No	24. Unitization Docket No:		25. Are you ap	pplying for Substa	andard Acr	eage Field? Yes	(attach Form W-1A)	X No
FIELD IN	FORMATION	List all field	s of anticipated completion	n including Wi	Idcat. List or	ne zone per lii	ne.			
26. RRC District No.	27. Field No.	_	ne (exactly as shown in RRC record			29. Well Type		30. Completion Depth	31. Distance to Nearest Well in this Reservoir	32. Number of Wells on this lease in this Reservoir
08	85280300	SPRABE	RRY (TREND AREA)			Oil or Gas W	'ell	8755	390.00	27
BOTTOM!			TION is required for DIRECTION	ONAL HODIZA		AMENDED AS	י וופח צ		IONS (222 M 41	H attachment)
Remarks [RRC STAIN Notification survey info	FF Nov 30, 2016 1 sent.; [RRC STA rmation to match	:12 PM]: There FF Nov 30, 201 plat and RRC G	have been problems identified w 6 1:15 PM]: Changed BHL surve IS. Changed coordinate informa permit are resolved.; [RRC STA	with this permit (so ey line call to mat ation to match pla	ee problem lette tch plat. Chang at.; [RRC STAF	er attachment). ed BHL F Nov 30,	I certibest of K	Ce ify that information stated in of my knowledge. elly Hamden, Regula of filer	rtificate: this application is true and contact that the same attention is true and contact the same attention is true attention in the same attention is true attention in the same attention in the same attention in the same attention is true attention in the same attention in the same attention is true attention in the same att	omplete, to the
RRC Use C	Only Data	Validation Time	Stamp: Nov 30, 2016 4:09 PM	Л( Current Version	1)		(3 Phor	803)405-6630 ne F	Kelly.Hamden@c	

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** 

Permit #

07/2004

820427

# 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.

Approved Date: Nov 30, 2016

1. RRC Operator N 684474		ctly as shown on form P-5, Orga P ENERGY COMPANY	_	3. Lea	se Name UNIVE	RSITY 7-2730		4. Well No. N 16MB
Lateral Drainhole Location Information								
5. Field as shown on Form W-1 SPRABERRY (TREND AREA) (Field # 85280300, RRC District 08)								
6. Section 27	7. Block <b>7</b>	8. Survey UL				9. Abstract	10. County MARTI	of BHL <b>N</b>
	Lease Line Perpendiculars  1 ft. from the Survey Line Perpendiculars	FNL	line. and	380	ft. from the	FWL	lin	е
	ft. from the	FSL	line. and	510	ft. from the	FWL	lin	Э
13. Penetration Point Lease Line Perpendiculars								
	1 ft. from the	FSL	line. and	380	ft. from the	FWL	lin	Э

## RAILROAD COMMISSION OF TEXAS

**OIL & GAS DIVISION** 

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

MPANY REGULATORY 300 0000 INIVERSITY 7-2 NE direction from BLOCK ft. FSL 510 ft		684474	revoked if C Dis  WELL NU  TOTAL DE  ACT  U27	NOTE and any allow payment for formission is strict Office To (432) 68  MBER  NEPTH  E TO NEARE 100	63 ICE wable assigned mate fee(s) submitted to not honored. Felephone No:	the
MPANY REGULATORY B00 0000 INIVERSITY 7-2 NE direction from BLOCK ft. FSL 510 ft	Horizon  2730  m ANDREWS  K   7	tal 684474	This permit revoked if C Dis WELL NU.  TOTAL DE ACT  U27	NOTE and any allow payment for formission is strict Office To (432) 68  MBER  NEPTH  E TO NEARE 100	ICE wable assigned ma fee(s) submitted to not honored. Felephone No: 44-5581  I 16MB  8755  EST LEASE LINE O ft.	the
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ft. FSL 510 ft	t. FWL	ABSTR	DISTANCE	E TO NEARE	0 ft.	
ft. FSL 510 ft				10	0 ft.	
	ft. FWL		DISTANCE	TO NEARE	ST WELL ON LI	
				See FIE	LD(s) Below	EASE
* SEE FIELI HIS PERMIT IS G	D DISTRICT FO RANTED PURS CASE NO. 08	SUANT TO STA			3) **	
			ACRES NEAREST LE	DEPTH ASE	WELL # NEAREST WE	DIST
•			963.00 100	8,755	N 16MB 390	08
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tion Point Locat Lines: 3 s Location curty: MARTIN on: 27 y: UL Lines: 3 y Lines: 26	1.0 F FSL L 80.0 F FWL L Block: 7 1.0 F FNL L 80.0 F FWL L 39.0 F FSL L	Abst	.ract:			
1 C	: TH1 tion Point Locat Lines:  s Location unty: MARTIN on: 27 y: UL Lines: 3 y Lines: 26	R FIELD: Horizontal  : TH1 tion Point Location Lines: 1.0 F FSL L 380.0 F FWL L s Location unty: MARTIN on: 27 Block: 7 y: UL Lines: 1.0 F FNL L 380.0 F FWL L y Lines: 2639.0 F FSL L	R FIELD: Horizontal  : TH1 tion Point Location Lines: 1.0 F FSL L 380.0 F FWL L  s Location unty: MARTIN on: 27 Block: 7 Abst y: UL Lines: 1.0 F FNL L 380.0 F FWL L y Lines: 2639.0 F FSL L	R FIELD: Horizontal  : TH1 tion Point Location Lines: 1.0 F FSL L 380.0 F FWL L s Location unty: MARTIN on: 27 Block: 7 Abstract: y: UL Lines: 1.0 F FNL L 380.0 F FWL L y Lines: 2639.0 F FSL L	R FIELD: Horizontal  : TH1 tion Point Location Lines: 1.0 F FSL L 380.0 F FWL L s Location unty: MARTIN on: 27 Block: 7 Abstract: y: UL Lines: 1.0 F FNL L 380.0 F FWL L	R FIELD: Horizontal  TH1 tion Point Location Lines: 1.0 F FSL L 380.0 F FWL L  S Location unty: MARTIN on: 27 Block: 7 Abstract: y: UL Lines: 1.0 F FNL L 380.0 F FWL L

## ' \*\* ' PRECEDING FIELD NAME INDICATES RULE (R38)

# THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS

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.

## 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 820427						
API NUMBER 42-317-40613	FORM W-1 RECEIVED Nov 15, 2016	COUNTY MARTIN				
TYPE OF OPERATION  NEW DRILL	WELLBORE PROFILE(S)  Horizontal	ACRES 963				
OPERATOR  QEP ENERGY COMPANY	NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the					
ATTN SOUTHERN DIV REGUL 1050 17TH ST SUITE 800 DENVER, CO 80265-0000	Commission is not honored.  District Office Telephone No:  (432) 684-5581					
LEASE NAME UNIVER	WELL NUMBER N 16MB					
LOCATION 21.6 miles NE direct	TOTAL DEPTH 8755					
Section, Block and/or Survey  SECTION   30  BLOCK   7  ABSTRACT   U27  SURVEY   UL						
DISTANCE TO SURVEY LINES 300 ft. FSL	DISTANCE TO NEAREST LEASE LINE 100 ft.					
DISTANCE TO LEASE LINES 300 ft. FSL	510 ft. FWL	DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below				
FIELD(s) and LIMITATIONS:						

FIELD(s) and LIMITATIONS:

\* SEE FIELD DISTRICT FOR REPORTING PURPOSES \*

\*\* THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 38(h)(3) \*\* CASE NO. 08-0302682

FIELD NAME ACRES DEPTH WELL # DIST LEASE NAME NEAREST LEASE NEAREST WE

This well must comply to the new SWR 3.13 requirements concerning the isolation of any potential flow zones and zones with corrosive formation fluids. See approved permit for those formations that have been identified for the county in which you are drilling the well in.

# 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



## **Groundwater Advisory Unit**

Date Issued: 29 August 2016 **GAU Number:** 159200 Attention: **OEP ENERGY COMPANY API Number:** 31740531 County: **MARTIN** ATTN SOUTHERN DIV UNIVERSITY 7-2730 Lease Name: DENVER, CO 80265 Lease Number: **Operator No.:** 684474 S 02LD Well Number: 8100 **Total Vertical Depth:** Latitude: 32.394210 Longitude: -102.173814 Datum: NAD27

Purpose: New Drill

**Location:** Survey-UL; Block-7; Section-27

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

The interval from the land surface to a depth of 350 feet must be protected.

This recommendation is applicable for all wells drilled in this University 7-2730 Lease in Sections 27 and 30.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

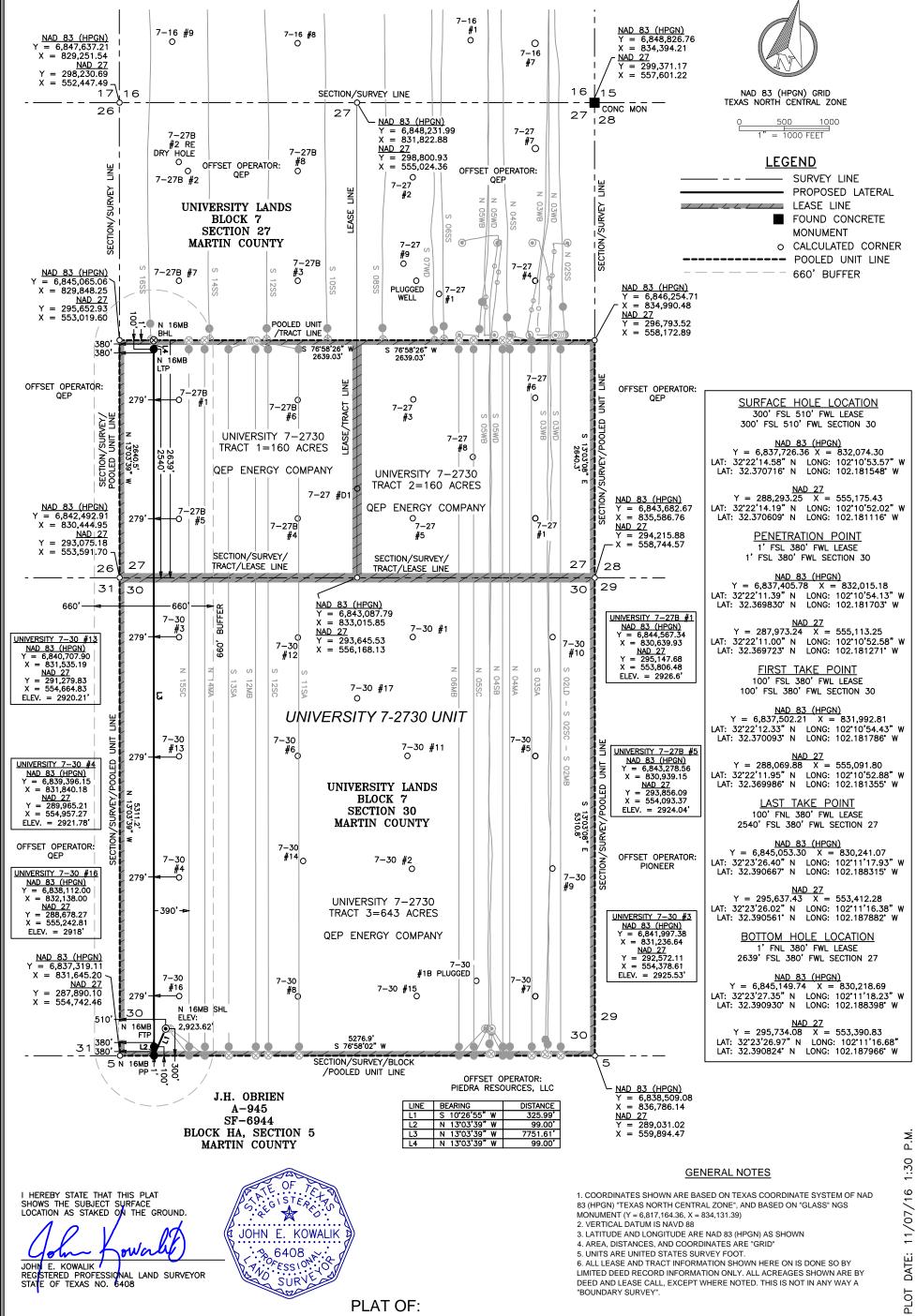
This determination is based on information provided when the application was submitted on 08/26/2016. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division

Form GW-2 Rev. 02/2014 P.O. Box 12967 Austin, Texas 78771-2967

512-463-2741

Internet address: www.rrc.texas.gov



A PROPOSED WELL LOCATION FOR: OEP ENERGY COMPANY

UNIVERSITY 7-2730 UNIT **UNIVERSITY 7-2730 N 16MB** 

SITUATED IN THE UNIVERSITY LANDS, BLOCK 7, SECTIONS 27 AND 30, AND BEING APPROXIMATELY 21.6 MILES NORTHEAST OF ANDREWS IN MARTIN COUNTY, TEXAS.



DATE: 10-26-2016 DRAWN BY: ΑI CHECKED BY: JK FIELD CREW: RE PROJECT NO 2016070576 1" = 1000' SHEET 1 OF 1 REVISION

550 Bailey Ave., 205 - Fort Worth, TX 76107 Ph: 817.349.9800 - Fax: 979.732.5271 TBPE Firm 17957 | TBPLS Firm 10193887

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