

API No. <u>42-105-41480</u> Drilling Permit # <u>739788</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
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1. RRC Operator No. 660146	2. Operator's Name (as shown on form P-5, Organization Report) PETROHAWK OPERATING COMPANY	3. Operator Address (include street, city, state, zip):
4. Lease Name UNIVERSITY 46	5. Well No. 1304H	

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"/> Amended		<input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)		<input type="checkbox"/> Field Transfer	
<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 7750	9. Do you have the right to develop the minerals under any right-of-way ?		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)?		
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

SURFACE LOCATION AND ACREAGE INFORMATION					
11. RRC District No. 7C	12. County CROCKETT		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>18</u> miles in a <u>NW</u> direction from <u>Ozona</u> which is the nearest town in the county of the well site.					
15. Section 13	16. Block 46	17. Survey UL		18. Abstract No. A-	19. Distance to nearest lease line: 100 ft.
20. Number of contiguous acres in lease, pooled unit, or unitized tract: 14655.3					
21. Lease Perpendiculars: <u>11831</u> ft from the <u>W</u> line and <u>18362</u> ft from the <u>S</u> line.					
22. Survey Perpendiculars: <u>1000</u> ft from the <u>W</u> line and <u>2676</u> ft from the <u>S</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	32. Number of Wells on this lease in this Reservoir
7C	53613750	LIN (WOLFCAMP)	Oil or Gas Well	7750	660.00	17

BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)	
Remarks [FILER May 2, 2012 2:17 PM]: EST MD 15000'	Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. <div style="text-align: right;"> <u>Carey Holtzendorf</u> <u>May 02, 2012</u> Name of filer Date submitted </div> <div style="text-align: right;"> <u>(832)3251081</u> <u>choltzendorf@petrohawk.com</u> Phone E-mail Address (OPTIONAL) </div>
RRC Use Only Data Validation Time Stamp: May 15, 2012 3:22 PM(Current Version)	

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

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

Permit Status: **Approved**
The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.

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

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Permit # **739788**
Approved Date: **May 15, 2012**

1. RRC Operator No. 660146	2. Operator's Name (exactly as shown on form P-5, Organization Report) PETROHAWK OPERATING COMPANY	3. Lease Name UNIVERSITY 46	4. Well No. 1304H
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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 8	7. Block 46	8. Survey UL	9. Abstract	10. County of BHL CROCKETT
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11. Terminus Lease Line Perpendiculars 100 ft. from the N line. and 1957 ft. from the E line
12. Terminus Survey Line Perpendiculars 50 ft. from the N line. and 990 ft. from the W line
13. Penetration Point Lease Line Perpendiculars 11820 ft. from the W line. and 18880 ft. from the S line



NW CORNER
NAD 83
LAT. = 30.98246812° N
LONG. = 101.35481151° W
NAD 27
LAT. = 30.98230743° N
LONG. = 101.35441499° W

NE CORNER
NAD 83
LAT. = 30.98413961° N
LONG. = 101.33599640° W
NAD 27
LAT. = 30.98397877° N
LONG. = 101.33560016° W

I HEREBY STATE THAT THIS PLAT
SHOWS THE SUBJECT LOCATION BASED
ON INFORMATION PROVIDED BY
THE CLIENT.



Robert Glen Maloy

ROBERT GLEN MALOY
REGISTERED PROFESSIONAL LAND SURVEYOR
LICENSE NO. 6028

GENERAL NOTES

- COORDINATES SHOWN ARE BASED ON TEXAS COORDINATE SYSTEM OF NAD 1983, TEXAS CENTRAL ZONE (TEXAS WEST HARN) AND ARE BASED ON THE MONUMENT "SCHNEEMAN" (Y = 10,333,230, X = 1,957,295)
- VERTICAL DATUM IS NAVD 88
- LATITUDE AND LONGITUDE ARE NAD 83 GEOGRAPHIC
- AREA, DISTANCES, AND COORDINATES ARE "GRID"
- UNITS ARE UNITED STATES SURVEY FOOT.
- COMBINED SCALE FACTOR = 0.999763023.
- ALL LEASE AND TRACT INFORMATION SHOWN HEREON 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"
- ELEVATIONS SHOWN IN THE LINE TABLE REPRESENT THE ELEVATION AT THE END OF THAT LINE SEGMENT IN THE DIRECTION FROM THE PREVIOUS POINT.

NAD 83 GRID
TEXAS CENTRAL ZONE

BOTTOM HOLE LOCATION
NAD 83
Y = 10,322,564.90
X = 1,977,494.77
LAT. = 30.98261097° N
LONG. = 101.35165020° W
NAD 27
Y = 479,988.37
X = 1,681,028.52
LAT. = 30.98245025° N
LONG. = 101.35125373° W

SECTION 8,
BLOCK 46
UNIVERSITY LANDS

PETROHAWK OPERATING CO.
SURFACE HOLE LOCATION
UNIVERSITY 46 #1304H
NAD 83
Y = 10,314,481.15
X = 1,977,344.68
LAT. = 30.96038168° N
LONG. = 101.35189296° W
NAD 27
Y = 471,904.67
X = 1,680,878.46
LAT. = 30.96022032° N
LONG. = 101.35149647° W
ELEV. = 2,565.53'

UNIVERSITY 46"
14,655.3 CALLED ACRES

UPP/PP
Y=10,314,998.23
X=1,977,344.90

11820' TO UNIT LINE
11831' TO UNIT LINE

SW CORNER
NAD 83
LAT. = 30.95274586° N
LONG. = 101.35517783° W
NAD 27
LAT. = 30.95258432° N
LONG. = 101.35478129° W

SECTION 13,
BLOCK 46
UNIVERSITY LANDS

SE CORNER
NAD 83
LAT. = 30.95421901° N
LONG. = 101.33576505° W
NAD 27
LAT. = 30.95405730° N
LONG. = 101.33536878° W

LINE	BEARING	DISTANCE
L1	N 00°01'26" E	517.08'
L2	N 01°08'05" E	7517.83'
L3	N 01°08'05" E	50.32'



PETROHAWK Operating Company
6100 S. Yale Ave.
Suite 500
Tulsa, Oklahoma 74136

REV.	DATE	BY	REVISIONS MADE
1	03/23/12	GG	MAKE PRELIMINARY
2	04/10/12	BB	NAME CHANGE
3	04/20/12	BB	CHANGED SHL
4	04/27/12	GG	CHANGED LEASE NAME

PLAT OF:

A PROPOSED ACCESS ROAD AND POND SITE FOR:

PETROHAWK OPERATING CO.

UNIVERSITY 46 #1304H

SITUATED IN SECTION 13 AND SECTION 8, BOTH OF BLOCK 46, OUT OF THE UNIVERSITY LANDS, LOCATED APPROX. 18 MILES NORTHWEST OF OZONA, CROCKETT COUNTY, TEXAS

Completion Date: 3-23-12 File Name: 1203114

Scale: 1" = 2000' Surveyed by: RR/WB

Drawn by: GG Checked by: RM

PLOT DATE: 04-30-2012 3:35 P.M.



3108 W. 6th STREET, FORT WORTH, TEXAS 76107
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SCALE: 1" = 2000 FEET

