

API No. <u>42-461-40592</u> Drilling Permit # <u>826301</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. 416330	2. Operator's Name (as shown on form P-5, Organization Report) HUNT OIL COMPANY	3. Operator Address (include street, city, state, zip): 1900 NORTH AKARD STREET DALLAS, TX 75201-2300
4. Lease Name UNIVERSITY 3-35		5. Well No. 102HB

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 8422	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 UPTON		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>5.72</u> miles in a <u>E</u> direction from <u>Rankin</u> which is the nearest town in the county of the well site.					
15. Section 11	16. Block 4	17. Survey CCSD&RGNG RR CO		18. Abstract No. A-U47	19. Distance to nearest lease line: 100 ft.
20. Number of contiguous acres in lease, pooled unit, or unitized tract: 1315.21					
21. Lease Perpendiculars: <u>1164</u> ft from the <u>W</u> line and <u>432</u> ft from the <u>N</u> line.					
22. Survey Perpendiculars: <u>1164</u> ft from the <u>W</u> line and <u>432</u> ft from the <u>N</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	32. Number of Wells on this lease in this Reservoir
7C	85279200	SPRABERRY (TREND AREA)	Oil or Gas Well	8305	676.00	4

BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)	
Remarks [FILER May 5, 2017 8:37 AM]: Hunt Oil Company recently acquired an additional tract of land that has been added to this lease. Updated acreage and updated lease boundary are reflected on the attached plat and within the W-1.	Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. <u>Emily DiCarlo, Land/Regulatory Tech</u> <u>May 05, 2017</u> Name of filer Date submitted <u>(214)9788197</u> <u>edicarlo@huntoil.com</u> Phone E-mail Address (OPTIONAL)
RRC Use Only Data Validation Time Stamp: May 15, 2017 3:21 PM('As Approved' 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 # **826301**
Approved Date: **May 15, 2017**

1. RRC Operator No. 416330	2. Operator's Name (exactly as shown on form P-5, Organization Report) HUNT OIL COMPANY	3. Lease Name UNIVERSITY 3-35	4. Well No. 102HB
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Lateral Drainhole Location Information

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

6. Section 35	7. Block 4	8. Survey UNIVERSITY LANDS	9. Abstract 35	10. County of BHL UPTON
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11. Terminus Lease Line Perpendiculars 100 ft. from the N line. and 1006 ft. from the W line
12. Terminus Survey Line Perpendiculars 100 ft. from the N line. and 1006 ft. from the W line
13. Penetration Point Lease Line Perpendiculars 100 ft. from the S line. and 1006 ft. from the W line

**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION
SWR #13 Formation Data**

UPTON (461) County

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
YATES	1,100	1,200		1	12/17/2013
GRAYBURG	1,600	3,000		2	12/17/2013
SAN ANDRES	2,500	3,500	saltwater flow	3	12/17/2013
SPRABERRY	4,500	7,000		4	12/17/2013
WOLFCAMP	7,500	9,900		5	12/17/2013
STRAWN	7,900	9,800		6	12/17/2013
DEVONIAN	6,300	12,000		7	12/17/2013
FUSSELMAN	11,000	12,100		8	12/17/2013
ELLENBURGER	7,900	12,400		9	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 PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 04 May 2017 **GAU Number:** 171437

Attention:	HUNT OIL COMPANY 1900 NORTH AKARD STREET DALLAS, TX 75201	API Number:	46140581
Operator No.:	416330	County:	UPTON
		Lease Name:	UNIVERSITY 3-35
		Lease Number:	
		Well Number:	4HB
		Total Vertical Depth:	8422
		Latitude:	31.200855
		Longitude:	-101.855609
		Datum:	NAD27

Purpose: New Drill
Location: Survey-UL; Block-4; Section-11

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 20 feet below the base of the Cretaceous-age beds must be protected. The base of the Cretaceous is estimated to occur at a depth of 550 feet.

This recommendation is applicable for all wells drilled in this N/2 of sec. 11.

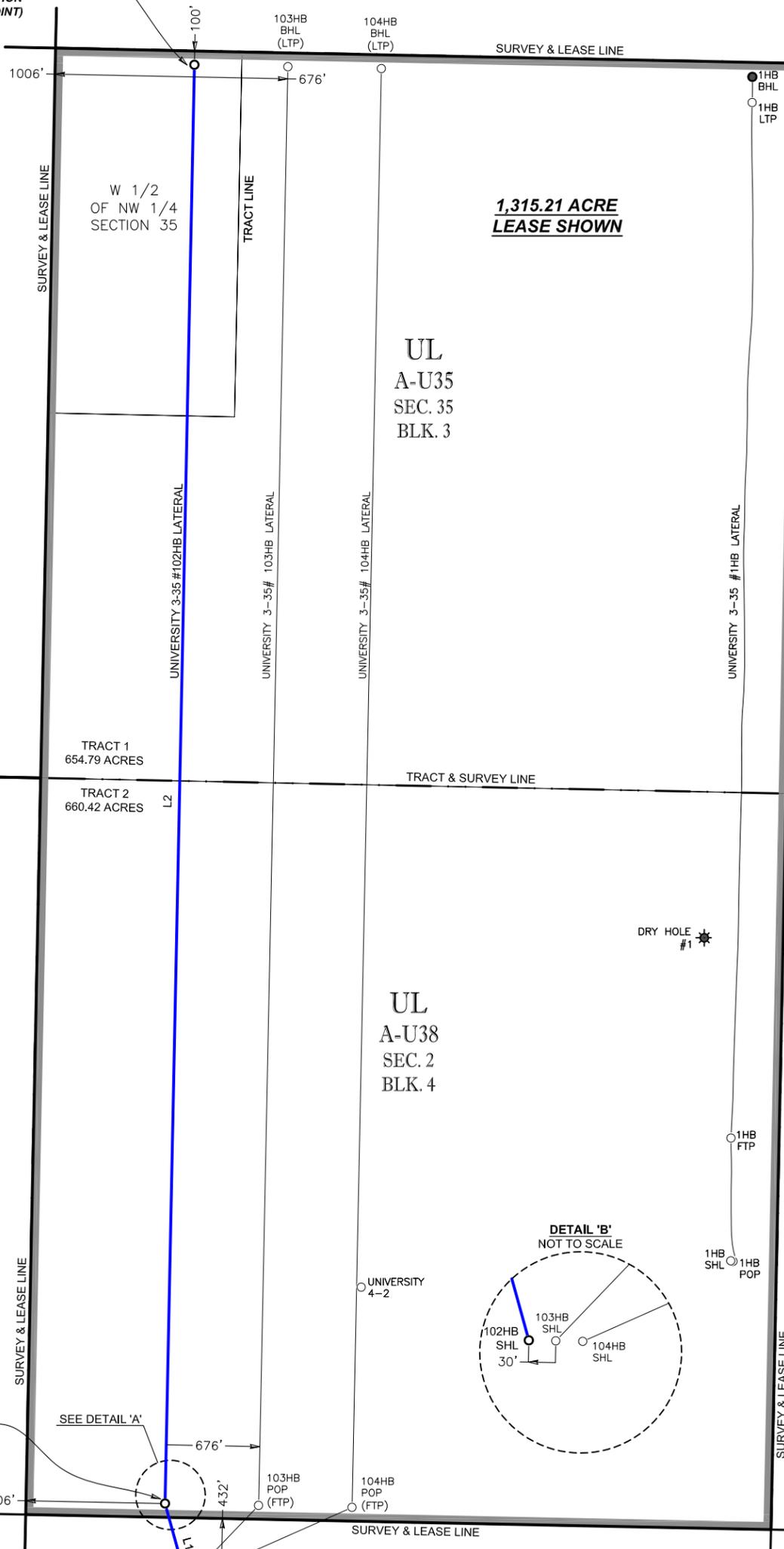
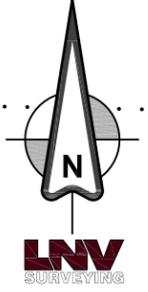
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

This determination is based on information provided when the application was submitted on 05/04/2017. 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 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov
Rev. 02/2014

HUNT OIL COMPANY
UNIVERSITY 3-35 102HB
BOTTOM HOLE LOCATION
(LAST TAKE POINT)

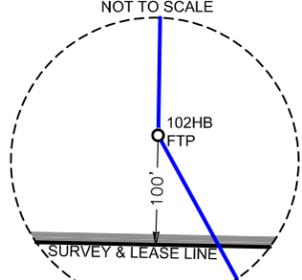


UL
A-U36
SEC.36
BLK. 3

UL
A-U35
SEC. 35
BLK. 3

UL
A-U34
SEC.34
BLK. 3

DETAIL 'A'
NOT TO SCALE



TRACT 1
654.79 ACRES

TRACT 2
660.42 ACRES

TRACT & SURVEY LINE

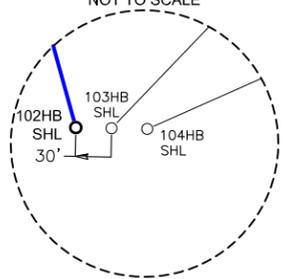
UL
A-U37
SEC. 1
BLK. 4

UL
A-U38
SEC. 2
BLK. 4

UL
A-U39
SEC. 3
BLK. 4

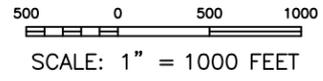
LINE	BEARING	DISTANCE
L1	N 15°25'10" W	554.59'
L2	N 01°09'57" E	10427.12'

DETAIL 'B'
NOT TO SCALE



HUNT OIL COMPANY
UNIVERSITY 3-35 102HB
POINT OF PENETRATION
(FIRST TAKE POINT)

SEE DETAIL 'A'



NOTE: COORDINATES SHOWN ARE BASED ON
NAD27 TEXAS STATE PLANE COORDINATE
SYSTEM, TEXAS CENTRAL ZONE.

I HEREBY STATE THAT THIS PLAT SHOWS
THE SUBJECT LOCATION AS STAKED ON
THE GROUND 2/22/17. THIS SHOULD
NOT BE CONSIDERED A BOUNDARY
SURVEY.



SERGIO Z. CANALES
REGISTERED PROFESSIONAL LAND SURVEYOR
LICENSE NO. 6040

HUNT OIL COMPANY

UL
A-U47
SEC. 11
BLK. 4

UL
A-U46
SEC. 10
BLK. 4

	LEASE CALLS	SURVEY CALLS	GND ELEV.	NAD27 TEXAS STATE PLANE COORDINATES	NAD27 GEOGRAPHIC COORDINATES(DMS)	NAD27 GEOGRAPHIC COORDINATES(DD)	NAD83 GEOGRAPHIC COORDINATES(DD)
102HB SHL	OFF LEASE 432' FNL	1,164' FWL 432' FNL	2,706.6'	Y = 561,220 X = 1,524,021	LAT. = 31°12'03.08" N LONG. = 101°51'20.88" W	LAT. = 31.2008569° N LONG. = 101.8558008° W	LAT. = 31.2010069° N LONG. = 101.8562061° W
102HB POP(FTP)	1,006' FWL 100' FSL	1,006' FWL 100' FSL	---	Y = 561,754 X = 1,523,874	LAT. = 31°12'08.36" N LONG. = 101°51'22.66" W	LAT. = 31.2023212° N LONG. = 101.8562958° W	---
102HB BHL(LTP)	1,006' FWL 100' FNL	1,006' FWL 100' FNL	---	Y = 572,179 X = 1,524,086	LAT. = 31°13'51.56" N LONG. = 101°51'21.87" W	LAT. = 31.2309898° N LONG. = 101.8560738° W	---



A WELL LOCATION PLAT FOR:
HUNT OIL COMPANY
UNIVERSITY 3-35 102HB

SITUATED IN THE UNIVERSITY LAND SURVEYS, A-U35, SECTION 35 BLOCK 3, A-U38, SECTION 2, BLOCK 4, AND A-U47, SECTION 11, BLOCK 4, APPROXIMATELY 5.72 MILES EAST OF RANKIN IN UPTON COUNTY, TEXAS.

Survey Date: 05/04/17
Surveyed By: RM/MG
Drawn by: MC
Checked by: HR/SS
Job #: 140241.153