

API No. <u>42-475-35473</u> Drilling Permit # <u>673228</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. <div style="text-align: center;">252002</div>		2. Operator's Name (as shown on form P-5, Organization Report) <div style="text-align: center;">ENERGEN RESOURCES CORPORATION</div>			3. Operator Address (include street, city, state, zip): 		
4. Lease Name <div style="text-align: center;">UNIVERSITY "20"</div>			5. Well No. <div style="text-align: center;">4701</div>				
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> New Drill <input type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input type="checkbox"/> Field Transfer <input type="checkbox"/> Re-Enter </div> <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Amended <input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D) </div>							
7. Wellbore Profile (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <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 </div>							
8. Total Depth <div style="text-align: center;">12000</div>		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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. <div style="text-align: center;">08</div>		12. County <div style="text-align: center;">WARD</div>		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>11</u> miles in a <u>N</u> direction from <u>Pyote</u> which is the nearest town in the county of the well site.							
15. Section <div style="text-align: center;">47</div>		16. Block <div style="text-align: center;">20</div>		17. Survey <div style="text-align: center;">UL</div>		18. Abstract No. <div style="text-align: center;">A-</div>	
				19. Distance to nearest lease line: <div style="text-align: center;">660 ft.</div>		20. Number of contiguous acres in lease, pooled unit, or unitized tract: <div style="text-align: center;">640</div>	
21. Lease Perpendiculars: <u>660</u> ft from the <u>SOUTH</u> line and <u>660</u> ft from the <u>WEST</u> line. 22. Survey Perpendiculars: <u>660</u> ft from the <u>SOUTH</u> line and <u>660</u> ft from the <u>WEST</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	
08	95129600	WAR-WINK, S. (WOLFCAMP)			Oil Well	11800	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks [RRC STAFF Nov 26, 2008 9:25 AM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Dec 1, 2008 2:40 PM]: Problems identified with this permit are resolved.					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>Carolyn Larson, Regulatory Analyst</u> Name of filer <u>(432)6843693</u> Phone </div> <div> <u>Nov 25, 2008</u> Date submitted <u>carolyn.larson@energen.com</u> E-mail Address (OPTIONAL) </div> </div>		
RRC Use Only Data Validation Time Stamp: Dec 15, 2008 10:34 AM(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**

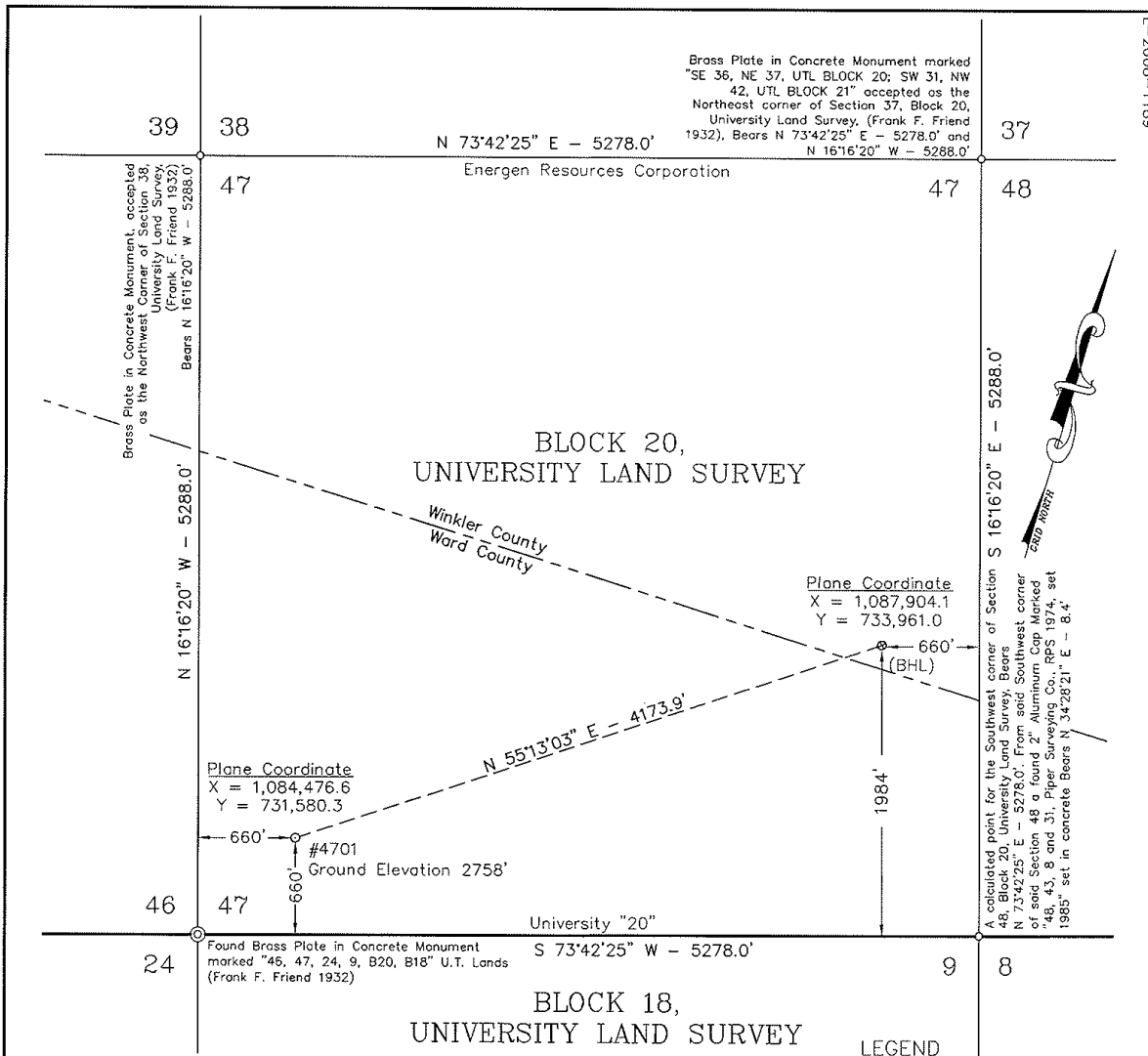
Form W-1H 07/2004
Supplemental Horizontal Well Information

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

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Permit #	673228
Approved Date:	Dec 01, 2008

1. RRC Operator No. 252002	2. Operator's Name (exactly as shown on form P-5, Organization Report) ENERGEN RESOURCES CORPORATION	3. Lease Name UNIVERSITY "20"	4. Well No. 4701
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 WAR-WINK, S. (WOLFCAMP) (Field # 95129600, RRC District 08)			
6. Section 47	7. Block 20	8. Survey UL	9. Abstract
		10. County of BHL WINKLER	
11. Terminus Lease Line Perpendiculars 1984 ft. from the South line. and 660 ft. from the East line			
12. Terminus Survey Line Perpendiculars 1984 ft. from the South line. and 660 ft. from the East line			
13. Penetration Point Lease Line Perpendiculars 660 ft. from the South line. and 660 ft. from the West line			



Date Surveyed: October 13, 2008
Weather: Warm & Breezy

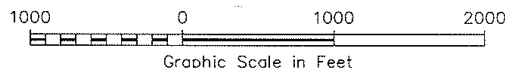
- -- Denotes Proposed Well Location
- ⊗ -- Denotes Proposed Bottom Hole Location
- ⊙ -- Denotes Found Corner this Survey
- -- Denotes Calculated Corner this Survey
- Denotes County Line (approx.)

The University "20" #4701 is located approximately 12 miles Northwest of Pyote, Texas.

NOTE:

- 1) Plane Coordinates and Bearings shown hereon are Lambert Grid and Conform to the "Texas Coordinate System", Texas Central Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.
- 2) Geodetic Coordinate shown hereon references the North American Datum of 1927, (Clarke Spheroid of 1866). Reference stations - "MCDONALD" (AF9514), "SANDESON" (DH3844), and "ODESSA RRP2" (DF5393).
- 3) See information filed in the office of the surveyor which describes the reconstruction of this site.

<u>SURFACE LOCATION</u>	<u>BOTTOM HOLE LOCATION</u>
Geodetic Coordinate NAD '83	Geodetic Coordinate NAD '83
Latitude = 31°38'42.12" N	Latitude = 31°39'06.56" N
Longitude = 103°16'33.92" W	Longitude = 103°15'55.01" W
Geodetic Coordinate	Geodetic Coordinate
Latitude = 31°38'41.65" N	Latitude = 31°39'06.09" N
Longitude = 103°16'32.31" W	Longitude = 103°15'53.40" W



I HEREBY CERTIFY THAT THIS PLAN WAS MADE FROM NOTES TAKEN IN THE FIELD AND A BONA FIDE SURVEY MADE UNDER MY SUPERVISION.

J. FRANK NEWMAN TEXAS R.P.E.S. No. 5011
MACON McDONALD TEXAS R.P.E.S. No. 4398
R. CRAIG ALDERMAN TEXAS R.P.E.S. No. 5285

WEST COMPANY
of Midland, Inc.

110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

ENERGEN RESOURCES CORPORATION

Location of the
UNIVERSITY '20' #4701
Surface Location: 660' FSL & 660' FWL
Bottom Hole Location: 1984' FSL & 660' FEL
Section 47, Block 20,
University Land Survey,
Ward & Winkler Counties, Texas

Drawn By: JCC	Date: October 15, 2008
Scale: 1"=1000'	Field Book: 417 / 73-74
Revision Date: November 21, 2008	Quadrangle: Soda Lake NE
W.O. No: 2008-1189	Dwg. No.: L-2008-1189

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 673228	DATE PERMIT ISSUED OR AMENDED (AMENDED) Dec 01, 2008	DISTRICT * 08	
API NUMBER 42-475-35473	FORM W-1 RECEIVED Nov 25, 2008	COUNTY WARD	
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 640	
OPERATOR ENERGEN RESOURCES CORPORATION		252002 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: (432) 684-5581	
LEASE NAME UNIVERSITY "20"		WELL NUMBER 4701	
LOCATION 11 miles N direction from PYOTE		TOTAL DEPTH 12000	
Section, Block and/or Survey SECTION 47 BLOCK 20 ABSTRACT SURVEY UL			
DISTANCE TO SURVEY LINES 660 ft. SOUTH 660 ft. WEST		DISTANCE TO NEAREST LEASE LINE 660 ft.	
DISTANCE TO LEASE LINES 660 ft. SOUTH 660 ft. WEST		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
----- WAR-WINK, S. (WOLFCAMP) UNIVERSITY "20" -----		640.00 660	11,800 0
----- WELLBORE PROFILE(s) FOR FIELD: Horizontal -----			
RESTRICTIONS: Permitted for oil only. Lateral: TH1 Penetration Point Location Lease Lines: 660.0 F SOUTH L 660.0 F WEST L Terminus Location BH County: WINKLER Section: 47 Block: 20 Abstract: Survey: UL Lease Lines: 1984.0 F SOUTH L 660.0 F EAST L Survey Lines: 1984.0 F SOUTH L 660.0 F EAST L			
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.			