

API No. <u>42-495-33270</u> Drilling Permit # <u>647968</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. 668900		2. Operator's Name (as shown on form P-5, Organization Report) POGO PRODUCING COMPANY		3. Operator Address (include street, city, state, zip): ATTN STEPHEN R BRUNNER P O BOX 2504 HOUSTON, TX 77252		
4. Lease Name UNIVERSITY "20-11A"		5. Well No. 6				
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 checked="" type="checkbox"/> Vertical <input type="checkbox"/> Horizontal (Also File Form W-1H) <input type="checkbox"/> Directional (Also File Form W-1D) <input type="checkbox"/> Sidetrack						
8. Total Depth 5300		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. 08		12. County WINKLER		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>15</u> miles in a <u>SW</u> direction from <u>Kermit</u> which is the nearest town in the county of the well site.						
15. Section 11	16. Block 20	17. Survey UL	18. Abstract No. A-	19. Distance to nearest lease line: 467 ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: 280	
21. Lease Perpendiculars: <u>660</u> ft from the <u>WEST</u> line and <u>467</u> ft from the <u>SOUTH</u> line.		22. Survey Perpendiculars: <u>467</u> ft from the <u>SOUTH</u> line and <u>1979</u> ft from the <u>EAST</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	
08	09316500	BLOCK 20 (DELAWARE SAND)	Oil Well	5100	1319.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS						
Remarks 			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> Ann Ritchie Name of filer (432)6846381 Phone </div> <div> Oct 17, 2007 Date submitted ann.ritchie@wtor.net E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only Data Validation Time Stamp: Oct 19, 2007 1:00 PM('As Approved' Version)						

S 73°42'18" W 5280.89'

10 | 11

1

12

**POGO PRODUCING
COMPANY**

280 acres

N 16°17'47" W 5288.81

S 16°16'18" E 5288.57'

*Fnd. Concrete
University Monument*

S 73°42'09" W 5278.60'

13

Note: Well location is approximately 15 miles southwest of Kermit.

#6

Longitude - 103°17'54.806" W

POGO PRODUCING COMPANY
University "20-11A" Lease
less the NE/4 of the NE/4 of
Section 11, Block 20,
University Land,
Winkler County, Texas

Scale: 1" = 1000'



October 11, 2007

071011PP



**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 647968	DATE PERMIT ISSUED OR AMENDED Oct 19, 2007	DISTRICT * 08
API NUMBER 42-495-33270	FORM W-1 RECEIVED Oct 17, 2007	COUNTY WINKLER
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Vertical	ACRES 280
OPERATOR POGO PRODUCING COMPANY ATTN: STEPHEN R BRUNNER P O BOX 2504 HOUSTON, TX 77252		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 "20-11A"		WELL NUMBER 6
LOCATION 15 miles SW direction from KERMIT		TOTAL DEPTH 5300
Section, Block and or Survey SECTION ◀ 11 BLOCK ◀ 20 ABSTRACT ◀ SURVEY ◀ UL		
DISTANCE TO SURVEY LINES 467 ft. SOUTH 1979 ft. EAST		DISTANCE TO NEAREST LEASE LINE 467 ft.
DISTANCE TO LEASE LINES 660 ft. WEST 467 ft. SOUTH		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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BLOCK 20 (DELAWARE SAND)	280.00	5,100
UNIVERSITY "20-11A"	467	6 08
		1319
<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>		

DEPTH OF USABLE-QUALITY GROUND WATER TO BE PROTECTED

5412

PLEASE READ ALL INSTRUCTIONS

The information requested is essential in order for this agency to provide an appropriate response. Please allow for receipt of this form in our offices at least two weeks before your operation begins. Due to the volume of these requests, at times it may be difficult for us to handle telephone inquiries. Complete, keep the bottom sheet (goldenrod) for your files, and mail the top 3 sheets of the 4-sheet set of carbon-backed forms with a map to the address below. One sheet bearing our response will be returned to you. Another will be sent to the appropriate district office of the Railroad Commission. Individuals are entitled to request and review their personal information that the agency gathers on its forms. If you have questions on how to fill out this form or about the Surface Casing program, please contact us at 512/239-0515.

OCT 19 2007

Surface Casing - MC 151
TCEQ
P.O. Box 13087
Austin, TX 78711-3087

Date 10-18-07

TCEQ File No.: SC-

5412

Ann E. Ritchie 432-682-1458 (Fax)
432-684-6381

Name of person preparing this request & phone No. (with area code)

Pogo Producing Co.

y (operator's name as on RRC form W-1)

90 Box 953

Mailing Address

Midland, TX 79702

City and State

ZIP Code

ALWAYS INCLUDE A MAP SHOWING YOUR WELL SITE AND ALL SURROUNDING SURVEYS

COUNTY <u>Winkler</u>	Survey Name <u>University Land</u>
Block No. <u>20</u>	Township <u>11</u> (or) Lot No. <u>6</u>
Abstract No. A- <u>LEASE Name</u>	<u>University "20-11A"</u>
Distances, in feet, and directions measured at right angles from each of two intersecting (NOT LEASE LINES) <u>467</u> feet from <u>South</u> line and <u>1979</u> feet from <u>EAST</u> line.	
Distance (in miles) and direction from a nearby town in this County (name the town) <u>15 miles SW from Kermit</u>	
THE ABOVE INFORMATION IN THIS BLOCK MUST BE COMPLETE AND CORRECT	
API # <u>Pending</u>	RRC Lease No. <u>08</u>
GPS Coord. (long/lat or X-Y state plane) <u>X=1078169.61</u>	<u>Y=762581.13</u> NAD

Elevation 2794' Total Depth 5300' Geologic Fm. at T.D. DELAWA

Purpose of the Request: ☒ New Drill ☐ Re-entry ☐ Plug & Abandon ☐ Other (specify) _____

Is this an amended request? ☐ Yes ☒ No

Previous File No. for this well: SC- _____

☐ Log included of same or nearby well (The applicable type of well log that shows the aquifers.) Please provide a location map or API# for attached log

ALWAYS attach the electric log of any well that is to be reentered.

Additional remarks: Ex-11

To protect usable-quality ground water at this location, the TEXAS COMMISSION ON ENVIRONMENTAL QUALITY recommends:

CO-WINKLE, SUR-UL, BLK-20, SEC-11, LSE-UNIVERSITY-20-11A-, #1/250

The interval from the land surface to a depth of 250 feet must be protected.



Very truly yours,

Diane M. Barnes

Diane M. Barnes, P.G.
Geologist, Surface Casing, TCEQ

Date

October 19, 2007
typed by TCEQ

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 ground water 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 operations into a nonproductive zone (RRC Form W-14).

TCEQ-0051 (Rev. 05-10-2006)