



RAILROAD COMMISSION OF TEXAS

Form W-2

1701 N. Congress  
P.O. Box 12967  
Austin, Texas 78701-2967

Status: Approved  
Date: 10/31/2014  
Tracking No.: 115307

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION

Operator Name: DEVON ENERGY PRODUCTION CO, L.P. Operator No.: 216378  
Operator Address: ATTN VICTORIA SANCHEZ 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102-5010

WELL INFORMATION

API No.: 42-383-38225 County: REAGAN  
Well No.: 2703H RRC District No.: 7C  
Lease Name: UNIVERSITY 10 Field Name: LIN (WOLFCAMP)  
RRC Lease No.: 17844 Field No.: 53613750  
Location: Section: 27, Block: 10, Survey: UNIVERSITY LANDS, Abstract:  
  
Latitude: 31.23525 Longitude: -101.52614  
This well is located 4.85 miles in a NW  
direction from BIG LAKE,  
which is the nearest town in the county.

FILING INFORMATION

Purpose of filing: Well Record Only  
Type of completion: New Well  
Well Type: Shut-In Producer Completion or Recompletion Date: 09/21/2013  
  
Type of Permit Date Permit No.  
Permit to Drill, Plug Back, or Deepen 02/12/2013 756394  
Rule 37 Exception  
Fluid Injection Permit  
O&G Waste Disposal Permit  
Other:

COMPLETION INFORMATION

Spud date: 09/18/2013 Date of first production after rig released: 09/21/2013  
Date plug back, deepening, recompletion, or drilling operation commenced: 09/18/2013 Date plug back, deepening, recompletion, or drilling operation ended: 09/21/2013  
Number of producing wells on this lease in this field (reservoir) including this well: 18 Distance to nearest well in lease & reservoir (ft.): 1061.0  
Total number of acres in lease: 7906.26 Elevation (ft.): 2720 GL  
Total depth TVD (ft.): 855 Total depth MD (ft.): 855  
Plug back depth TVD (ft.): 810 Plug back depth MD (ft.): 810  
Was directional survey made other than inclination (Form W-12)? No Rotation time within surface casing (hours): 1.0  
Is Cementing Affidavit (Form W-15) attached? Yes  
Recompletion or reclass? No Multiple completion? No  
Type(s) of electric or other log(s) run: None  
Electric Log Other Description:  
Location of well, relative to nearest lease boundaries Off Lease : No  
of lease on which this well is located: 7565.0 Feet from the South Line and  
7906.0 Feet from the East Line of the  
UNIVERSITY 10 Lease.

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.

Field & Reservoir Gas ID or Oil Lease No. Well No. Prior Service Type

PACKET: N/A

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination		Depth (ft.): 750.0	Date: 02/12/2013
SWR 13 Exception		Depth (ft.):	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION	
Date of test:	Production method:
Number of hours tested: 24	Choke size:
Was swab used during this test? No	Oil produced prior to test:
PRODUCTION DURING TEST PERIOD:	
Oil (BBLs):	Gas (MCF):
Gas - Oil Ratio: 0	Flowing Tubing Pressure:
Water (BBLs):	
CALCULATED 24-HOUR RATE	
Oil (BBLs):	Gas (MCF):
Oil Gravity - API - 60.:	Casing Pressure:
Water (BBLs):	

CASING RECORD											
Row	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size	Size	Depth	Stage	Stage		Amount	Volume	Cement	Determined
		(in.)	(in.)	(ft.)	Depth (ft.)	Depth (ft.)	Class	(sacks)	(cu. ft.)	(ft.)	By
1	Surface	13 3/8	17 1/2	855			CLASS C	870	1523.0	0	Circulated to Surface

LINER RECORD									
Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
N/A									

TUBING RECORD			
<u>Row</u>	<u>Size (in.)</u>	<u>Depth Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
			/
N/A			

PRODUCING/INJECTION/DISPOSAL INTERVAL			
<u>Row</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
		L	
N/A			

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed?		No	
Is well equipped with a downhole actuation sleeve?		No	
		If yes, actuation pressure (PSIG):	
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		Actual maximum pressure (PSIG) during hydraulic fracturing:	
Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)?		No	
Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
N/A			

## FORMATION RECORD

<u>Formations</u>	<u>Encountered</u>	<u>Depth TVD (ft.)</u>	<u>Depth MD (ft.)</u>	<u>Is formation isolated?</u>	<u>Remarks</u>
N/A					
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)?					No
Is the completion being downhole commingled (SWR 10)?					No

REMARKS

WRO W-2 FILED AT THE REQUEST OF RRC - WELL HAS NOT BEEN DRILLED AND COMPLETED - ONLY THE SURFACE CASING HAS BEEN SET.

## RRC REMARKS

**PUBLIC COMMENTS:**

**CASING RECORD :**

TUBING RECORD:

WELL HAS NOT BEEN DRILLED & COMPLETED - ONLY SURFACE CASING HAS BEEN SET.

**PRODUCING/INJECTION/DISPOSAL INTERVAL :**

**ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :**

**POTENTIAL TEST DATA:**

## OPERATOR'S CERTIFICATION

<b>Printed Name:</b> Annette Raines	<b>Title:</b> Regulatory Advisor
-------------------------------------	----------------------------------

<b>Printed Name:</b> Annette Raines	<b>Title:</b> Regulatory Advisor
-------------------------------------	----------------------------------

**Telephone No.:** (405) 228-8217 **Date Certified:** 09/15/2014

**Telephone No.:** (405) 228-8217 **Date Certified:** 09/15/2014

L [ Cementer: Fill in shaded areas.

Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS  
Oil and Gas Division

Form W-15  
Cementing Report  
Rev. 4/1/83  
483-045

TR. # 115307

1. Operator's Name (As shown on Form P-5, Organization Report) <b>Devon Energy Production Co., L.P.</b>	2. RRC Operator No. <b>216378</b>	3. RRC District No. <b>7C</b>	4. County of Well Site <b>Reagan</b>
5. Field Name (Wildcat or exactly as shown on RRC Records) <b>LIN (Wolfcamp)</b>	6. API No. <b>42-382-38225</b>	7. Drilling Permit No. <b>756394</b>	
8. Lease Name <b>University 10</b>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <b>17844</b>	11. Well No. <b>#2703H</b>

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		9-21-13					
13. • Drilled Hole Size		17 1/2"					
• Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)		13 3/8					
15. Top of liner (ft.)							
16. Setting depth (ft.)		855'					
17. Number of centralizers used		10					
18. Hrs. Waiting on cement before drill-out		8 +					
1 <sup>st</sup> Slurry	19. API cement used: No. of sacks ▶	870					
	Class ▶	"C"					
	Additives ▶	#22					
2 <sup>nd</sup> Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
3 <sup>rd</sup> Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶	1523					
	Height (ft.) ▶	2193					
2nd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶	1523					
	Height (ft.) ▶	2193					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing ?		YES					
Remark: SLURRY: C+ 2% CaCl2+ 0.125 #/sk Cello Flake+ 4% Bentonite+ 0.01% Static Free. Well Did circulate cement to the surface 137bbls of Class C 13.5ppg Yield 1.75 or 438 sacks. No temp survey was ordered							

Tr. # 115307

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lb/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this Certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my Supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

GREGG L UNDERWOOD SERV. SUP.

Name and title of cementer's representative

BAKER HUGHES CO.

Cementing Company

Signature

P.O. Box 1135

Address

Eldorado

City,

Texas

State,

76936

Zip Code

(325) 853-2553

Tel: Area Code

Number

9 / 21 / 2013

Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form Are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Annette Raines

Typed or printed name of operator's representative

SR. Reg. Specialist

Title

Annette Raines

Signature

333 W. Sheridan Ave.

Address

OKC

City,

OK

State,

73102

Zip Code

405-228-8217

Tel.: Area Code

Number

9/15/14

Date: mo. day yr.

## Instructions to Form W-15, Cementing Report

**IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).**

- A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following.
- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rates;
  - Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
  - Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- B. Where to file. The appropriate Commission District Office for the county in which the well is located.
- C. Surface Casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Committee.
- D. Centralizers. Surface Casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In Non-deviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.
- E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.
- F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (3) and (4).
- G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three foot below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug

To plug and abandon a well, operators must use only cements approved by the Director of Field Operations, Cementing companies, service companies or operators can qualify as approved cements by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Groundwater  
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date February 12, 2013

GAU File No.: SC- 11286

\*\*\*\*\* EXPEDITED APPLICATION \*\*\*\*\*

API Number 38338225

Attention: ANNETTE RAINES

RRC Lease No. 000000

SC\_216378\_38338225\_000000\_11286.pdf

DEVON ENERGY PRODUCTION CO LP  
333 W SHERIDAN AVE  
OKLAHOMA CITY OK 73102

--Measured--

2630 ft FEL

2235 ft FSL

MRL:SECTION

P-5# 216378

Digital Map Location:

X-coord/Long 101.52614

Y-coord/Lat 31.23525

Datum 83 Zone

County REAGAN

Lease & Well No. UNIVERSITY 10 #2703H&PAD

Purpose ND

Location SUR-UL,BLK-10,SEC-27,--[TD=6800],[RRC 7C],

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

The interval from the land surface to a depth of 750 feet must be protected.

This recommendation is applicable to all wells drilled on this PAD.

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

If you have any questions, please contact us at 512-463-2741, [gau@rrc.state.tx.us](mailto:gau@rrc.state.tx.us), or by mail.

Sincerely,



Digitally signed by Jack Oswalt  
DN: c=US, st=TEXAS, ln=Austin,  
o=Railroad Commission of Texas,  
cn=Jack Oswalt,  
email=jack.oswalt@rrc.state.tx.us  
Date: 2013.02.12 13:16:04 -06'00'

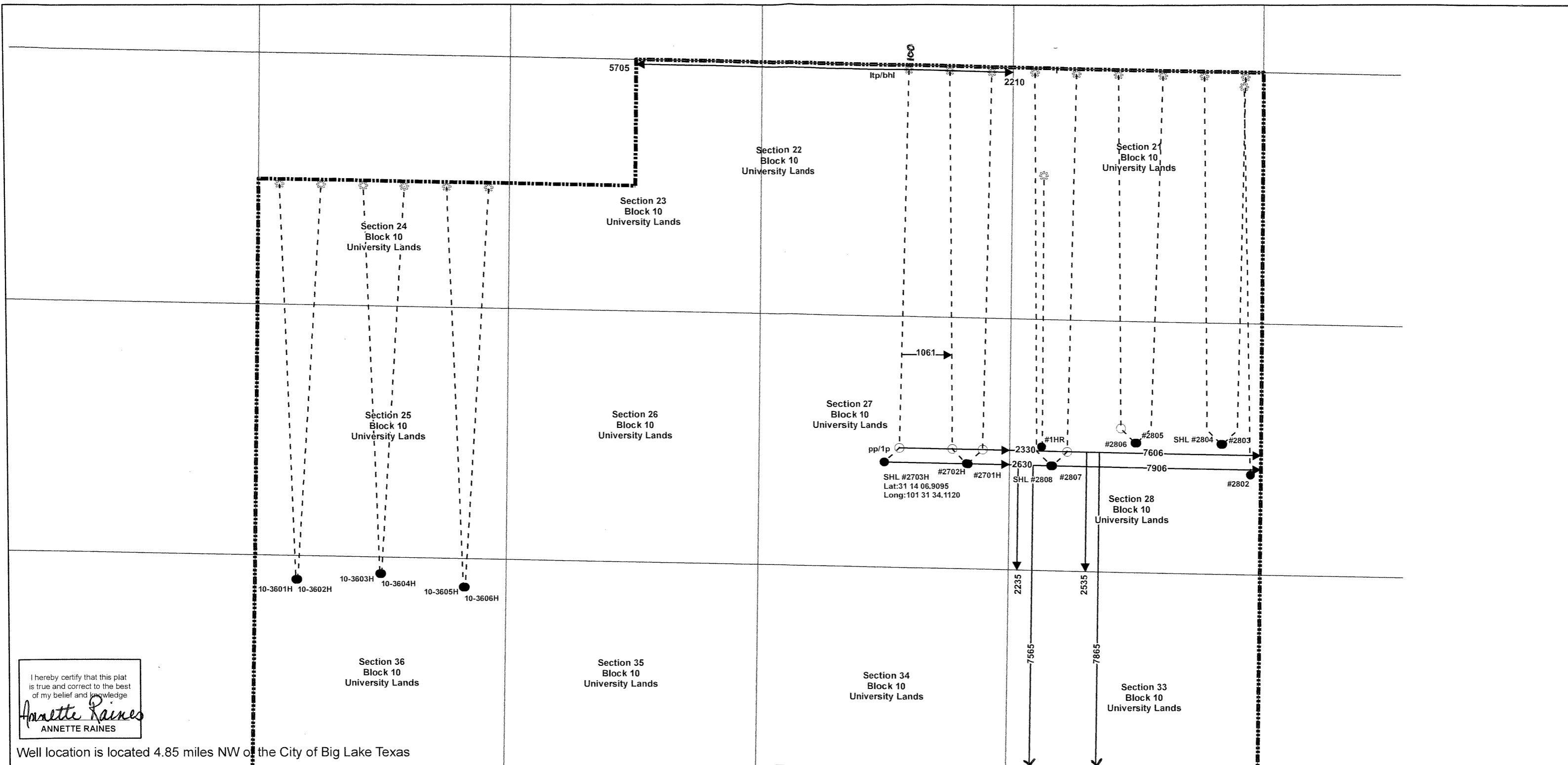
Jack M. Oswalt, P.G.

Geologist, Groundwater Advisory Unit  
Oil & Gas Division

GEOLOGIST SEAL



The seal appearing on this document was authorized by Jack M. Oswalt on 2/12/2013  
Note: Alteration of this electronic document will invalidate the digital signature.



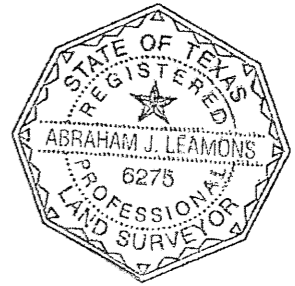
Total Depth: 9000' (Elev 2720)  
Surface Location:  
2235' FSL & 2630' FEL of the University Land Survey.  
7565' FSL & 7906' FEL of the lease.  
Penetration Point & 1st Take Point:  
2535' FSL & 2330' FEL of the University Land Survey.  
7865' FSL & 7606' FEL of the lease  
Last Take Point & Bottom Hole Location:  
100' FNL & 2210' FEL of the University Land Survey.  
100' FNL & 5705' FWL of the lease.

Block 10, University Land Survey  
Reagan County, Texas

Devon Energy Production Company L.P.  
333 W Sheridan - Oklahoma City 73102

University 10-2703H  
7906.26 Acres in Lease  
Sections 27 Block 10  
University Land Survey  
Reagan County, Texas  
Field: Lin(Wolfcamp)

DATE: 2-7-2013  
by EM



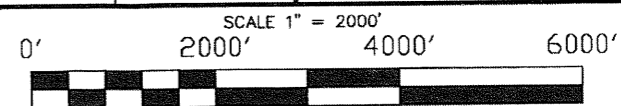

SHL: 7565' FSL & 7906' FEL  
BHL: 100' FNL & 5705' FWL  
REAGAN COUNTY, TEXAS

## SLD

  
REGISTERED PROFESSIONAL LAND SURVEYOR

1-17-2013  
DATE

UNLEASHED AREA



SECTION 4  
BLOCK 11  
UNIVERSITY LANDS

R.C.D.R. REAGAN COUNTY DEED RECORDS