



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Submitted
Date: 01/19/2015
Tracking No.: 125674

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.: 42-235-35939 County: IRION
Well No.: 8H RRC District No.: 7C
Lease Name: UNIVERSITY 43-13 Field Name: LIN (WOLFCAMP)
RRC Lease No.: 17745 Field No.: 53613750
Location: Section: 13, Block: 43, Survey: UNIVERSITY LANDS, Abstract: U34
Latitude: 31.10449 Longitude: -101.25283
This well is located 27.91 miles in a SW direction from MERTZON, which is the nearest town in the county.

FILING INFORMATION
Purpose of filing: Initial Potential
Type of completion: New Well
Well Type: Producing Completion or Recompletion Date: 11/17/2014
Type of Permit Date Permit No.
Permit to Drill, Plug Back, or Deepen 08/27/2014 793321
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION
Spud date: 08/29/2014 Date of first production after rig released: 11/17/2014
Date plug back, deepening, recompletion, or drilling operation commenced: 08/29/2014 Date plug back, deepening, recompletion, or drilling operation ended: 09/21/2014
Number of producing wells on this lease in this field (reservoir) including this well: 8 Distance to nearest well in lease & reservoir (ft.): 10.0
Total number of acres in lease: 1010.15 Elevation (ft.): 2629 GL
Total depth TVD (ft.): 6676 Total depth MD (ft.): 13826
Plug back depth TVD (ft.): 6676 Plug back depth MD (ft.): 13758
Was directional survey made other than inclination (Form W-12)? Yes Rotation time within surface casing (hours): 57.3
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 of lease on which this well is located: 500.0 Feet from the South Line and 1270.0 Feet from the East Line of the UNIVERSITY 43-13 Lease. Off Lease : No

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
SWR 13 Exception

Depth (ft.): 750.0
Depth (ft.):

Date: 08/01/2014

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 11/28/2014
Number of hours tested: 24
Was swab used during this test? No
Production method: Gas Lift
Choke size: 64/64
Oil produced prior to test: 2511.00

PRODUCTION DURING TEST PERIOD:

Oil (BBLs): 368.00
Gas - Oil Ratio: 864
Water (BBLs): 669
Gas (MCF): 318
Flowing Tubing Pressure: 200.00

CALCULATED 24-HOUR RATE

Oil (BBLs): 368.0
Oil Gravity - API - 60.: 39.0
Water (BBLs): 669
Gas (MCF): 318
Casing Pressure: 975.00

CASING RECORD

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	9 5/8	12 1/4	924		CLASS C	415	726.0	0	Circulated to Surface
2	Conventional Production	5 1/2	8 3/4	13809		CLASS H	2505	4014.0	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
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N/A

TUBING RECORD

Row	Size (in.)	Depth (ft.)	Packer Depth (ft.)/Type
1	2 7/8	6747	/

PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 6838	13710.0

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

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation sleeve? No
If yes, actuation pressure (PSIG):

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 6700
Actual maximum pressure (PSIG) during hydraulic fracturing: 8410

Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)? Yes

Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Fracture	FRAC WITH 163,945 BBL. SLICKWATEER + 6,664,845 LBS. SAND	6838 13710

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>
GRAYBURG	Yes	1700.0	1700.0	Yes	ESTIMATE
SAN ANDRES	Yes	2000.0	2000.0	Yes	ESTIMATE
CLEARFORK	Yes	4000.0	4000.0	Yes	ESTIMATE
SPRABERRY	Yes	5372.0	5397.0	Yes	
DEAN	Yes	6151.0	6183.0	Yes	
WOLFCAMP	Yes	6276.0	6315.0	Yes	
CANYON	No			No	DID NOT DRILL TO CANYON FORMATION
FUSSELMAN	No			No	DID NOT DRILL TO FUSSELMAN FORMATION

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

KOP IS @ 5,502'. DISTANCE TO THE NEAREST WELL HAS CHANGED FROM 38' TO 10'.

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

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

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed Name: Annette Raines **Title:** Regulatory Specialist
Telephone No.: (405) 228-8217 **Date Certified:** 01/19/2015

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 # 125674

1. Operator's Name (As shown on Form P-5, Organization Report) DEVON ENERGY PROD Co.	2. RRC Operator No. 216378	3. RRC District No. 7C	4. County of Well Site IRION
5. Field Name (Wildcat or exactly as shown on RRC Records) L.P. LIN (Wolfcamp)	6. API No. 42-235-35939	7. Drilling Permit No. 793321	
8. Lease Name UNIVERSITY 43-13	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 17745	11. Well No. 8H

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		8/30/2014					
13. • Drilled Hole Size		12 1/4"					
• Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)		9 5/8"					
15. Top of liner (ft.)							
16. Setting depth (ft.)		924'					
17. Number of centralizers used		8					
18. Hrs. Waiting on cement before drill-out		8+					
1 st Slurry	19. API cement used: No. of sacks ▶	415					
	Class ▶	"C"					
	Additives ▶	#22					
2 nd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
3 rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶	726					
	Height (ft.) ▶	2318					
2nd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶	726					
	Height (ft.) ▶	2318					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing ?		YES					
Remark: SLURRY- CLASS C + 4%GEL + 2%CaCl2 + 0.125PPS CELLOFLAKE + 0.01%STATIC FREE, CIRCULATED 50 BBLs/160 SACKS CEMENT TO SURFACE							

TR. # 125674

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.

Michael Bogner, Field Specialist

Name and title of cementer's representative

Baker Hughes Oilfield Operations Inc.

Cementing Company

Signature



P.O. Box 1135

Address

Eldorado
City,

Texas
State,

76936
Zip Code

(325) 853-2553
Tel: Area Code Number

8/30/2014
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 OK 73102
City, State, Zip Code

405-228-8217
Tel: Area Code Number

1/19/2015
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 cementers approved by the Director of Field Operations, Cementing companies, service companies or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

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. # 125674

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
Devon Energy Production Co., L.P.	216378	7C	IRION
5. Field Name (Wildcat or exactly as shown on RRC Records)	6. API No.	7. Drilling Permit No.	
LIN (Wolfcamp)	42-235-35939	793321	
8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No.
UNIVERSITY 43-13		17745	8H

CASING CEMENTING DATA:		Surface Casing	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				9/20/14			
13. • Drilled Hole Size				8 3/4"			
• Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)				5 1/2"			
15. Top of liner (ft.)							
16. Setting depth (ft.)				13,809			
17. Number of centralizers used				208			
18. Hrs. Waiting on cement before drill-out				8+			
1st Slurry	19. API cement used: No. of sacks ▶			715			
	Class ▶			"H"			
	Additives ▶			#22			
2nd Slurry	No. of sacks ▶			1790			
	Class ▶			"H"			
	Additives ▶			#22			
3rd Slurry	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶			1723			
	Height (ft.) ▶			6821			
2nd	Volume (cu. ft.) ▶			2291			
	Height (ft.) ▶			9069			
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶			4014			
	Height (ft.) ▶			15890			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing ?				YES			
Remarks: 1 st SLURRY CLASS "H" 50/50 POZ+10%GEL+0.8%FL-52+0.8%ASA-301+0.7%SMS+3#KOLSEAL+0.25#CELLOFLAKE+.01%STATIC FREE+2% SALT{bwow} 2 nd CLASS H 50/50 POZ+0.5%FL-52+0.5%FL-25+0.3%CD-32+0.6%SMS+0.15%R-21+.01%STATIC FREE+5%SALT{bwow} CIRCULATED 150 BBLS AT 11.8 PPG 349 SKS							

TR-# 125674

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.

JESUS LOPEZ, Service Supervisor

Name and title of cementer's representative

: Baker Hughes Oilfield Operations Inc.

Cementing Company

Signature

P.O. Box 1135

Address

Eldorado Texas 76936
City, State, Zip Code

(325) 853-2553
Tel: Area Code Number

9/20/14
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

Sp. Reg. Specialist
Title

Annette Raines
Signature

333 W. Sheridan Ave. OKC OK 73102 405-228-8217 11/19/2015
Address City, State, Zip Code Tel.: Area Code Number 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 cementers approved by the Director of Field Operations, Cementing companies, service companies or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Tracking No.: 125674

This facsimile L-1 was generated electronically from data submitted to the RRC.

Instructions

When to File Form L-1:

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

When is Form L-1 NOT required:

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to File Form L-1:

- with the appropriate Commission district office

Filling out Form L-1:

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required:

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SECTION I. IDENTIFICATION

Operator Name: DEVON ENERGY PRODUCTION CO, L.P.	District No. 7C	Completion Date: 11/17/2014
Field Name: LIN (WOLFCAMP)	Drilling Permit No. 793321	
Lease Name: UNIVERSITY 43-13	Lease/ID No. 17745	Well No. 8H
County: IRION	API No. 42- 235-35939	

SECTION II. LOG STATUS (Complete either A or B)

A. BASIC ELECTRIC LOG NOT RUN

B. BASIC ELECTRIC LOG RUN. (Select one)

- 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
- 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
- 4. Log attached to (select one):
 - (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: _____
Check here if attached log is being submitted after being held confidential.
 - (b) Form P-7, Application for Discovery Allowable and New Field Designation.
 - (c) Form W-4, Application for Multiple Completion:
Lease or ID No(s). _____
Well No(s). _____

Annette Raines
Signature
DEVON ENERGY PRODUCTION CO, L.P.
Name (print)

Regulatory Specialist
Title
(405) 228-8217 01/19/2015
Phone Date

-FOR RAILROAD COMMISSION USE ONLY-

STATEMENT OF PRODUCTIVITY OF ACREAGE
ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 125674

This facsimile P-15 was generated electronically
from data submitted to the RRC.

The undersigned states that he is authorized to make this statement; that he has knowledge of the facts concerning the DEVON ENERGY PRODUCTION CO, L.P. ,

UNIVERSITY 43-13 OPERATOR , No. 8H ; that such well is
LEASE WELL

completed in the LIN (WOLFCAMP) Field, IRION County,

Texas and that the acreage claimed, and assigned to such well for proration purposes as authorized by special rule and as shown on the attached certified plat embraces _____

100.0 acres which can reasonably be considered to be productive of hydrocarbons.

- CERTIFICATE

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction,

Date 01/19/2015 Signature Annette Raines

Telephone (405) 228-8217 Title Regulatory Specialist
AREA CODE

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Date August 1, 2014

GAU File No.: 7270

***** EXPEDITED APPLICATION *****

API Number 23500000

Attention: ANNETTE RAINES

RRC Lease No. 000000

SC_216378_23500000_000000_7270.pdf

--Measured--

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

1230 ft FEL

500 ft FSL

MRL:SECTION

Digital Map Location:	
X-coord/Long	101.25283
Y-coord/Lat	31.10449
Datum	83
Zone	

P-5# 216378

County IRION

Lease & Well No. UNIVERSITY 43-13 #7H&RAD

Purpose ND

Location SUR-UL, A-U34, BLK-43, SEC-13, -- [TD=6900], [RRC 7C],

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 the base of the SANTA ROSA, which is estimated to occur at a depth of 750 feet, must be protected.

This recommendation is applicable to all wells within a radius of 200 feet of this location.

University 43-13 #8H

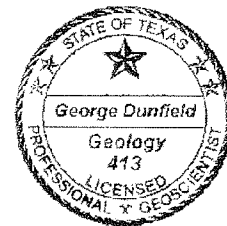
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form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

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,

Digitally signed by George Dunfield
DN: c=US, st=TEXAS, l=Austin, o=Railroad
Commission of Texas, cn=George Dunfield,
email=george.dunfield@rrc.state.tx.us
Date: 2014.08.01 17:52:47 -05'00'

GEOLOGIST SEAL



George Dunfield, P.G.

Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by George Dunfield on 8/1/2014
Note: Alteration of this electronic document will invalidate the digital signature.

I hereby certify that this plat is true and correct to the best of my belief and knowledge

Annette Raines
Annette Raines

SECTION 8
BLOCK 43
UNIVERSITY LAND SURVEY

SECTION 7
BLOCK 43
UNIVERSITY LAND SURVEY

SECTION 9
BLOCK 43
UNIVERSITY LAND SURVEY

SECTION 14
BLOCK 43
UNIVERSITY LAND SURVEY

SECTION 13
BLOCK 43
UNIVERSITY LAND SURVEY

SECTION 12
BLOCK 43
UNIVERSITY LAND SURVEY

8H - SHL
Lat: 31.10449
Lon: -101.25283
Elev: 2629
NAD 83, Central TX.

Nearest Well
10

6H SHL

5H & 4H
SHL

3H & 2H
SHL

1H SHL

SECTION 17
BLOCK 43
UNIVERSITY LAND SURVEY

SECTION 18
BLOCK 43
UNIVERSITY LAND SURVEY

SECTION 19
BLOCK 43
UNIVERSITY LAND SURVEY

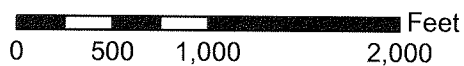
Legend

- 8H - SHL
- 8H - PP
- 8H - 1TP
- 8H - LTP
- ⊗ 8H - BHL
- 8H - WELLPATH
- ➔ 8H - DIMS
- Additional_Wells
- Survey_Lines
- Lease_Boundary



Well Location is 27.90 miles W of the Courthouse in Mertzon, Irion County, Texas.

Total Depth: 6676' (Elev 2629)
Surface Hole Location:
500' FSL & 1270' FEL of the University Land Survey
500' FSL & 1270' FEL of the lease.
Penetration Point:
551' FSL & 1847' FEL of the University Land Survey
551' FSL & 1847' FEL of the lease.
First Take Point:
908' FSL & 1846' FEL of the University Land Survey
908' FSL & 1846' FEL of the lease.
Last Take Point:
2449' FSL & 1881' FEL of the University Land Survey
218' FNL & 1881' FEL of the lease.
Bottom Hole location:
2482' FSL & 1888' FEL of the University Land Survey
186' FNL & 1888' FEL of the lease.



SCALE 1"=1000'

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

University 43-13 #8H
1010.15 Acres in Lease
Lin (Wolfcamp) Field
University Land Survey
Irion County, Texas

DATE: 01/15/2015
by AC