



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
 Date: 02/16/2017
 Tracking No.: 166205

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION			
Operator	PERMIAN RESOURCES, LLC	Operator	655836
Operator	700 MILAM STE 3100 HOUSTON, TX 77002-0000		

WELL INFORMATION			
API	42-383-39596	County:	REAGAN
Well No.:	0632HE	RRC District	7C
Lease	UNIVERSITY 10 RE	Field	LIN (WOLFCAMP)
RRC Lease	18869	Field No.:	53613750
Location	Section: 6, Block: 10, Survey: UNIVERSITY LANDS, Abstract:		
Latitude		Longitud	
This well is	6.74	miles in a	NORTH
direction from	BIG LAKE,		
which is the nearest town in the			

FILING INFORMATION			
Purpose of	Initial Potential		
Type of	New Well		
Well Type:	Producing	Completion or Recompletion	09/18/2016
Type of Permit		Date	Permit No.
Permit to Drill, Plug Back, or Rule 37 Exception		04/04/2016	814374
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION			
Spud	03/16/2016	Date of first production after rig	09/18/2016
Date plug back, deepening, drilling operation	08/19/2016	Date plug back, deepening, recompletion, drilling operation	08/30/2016
Number of producing wells on this lease this field (reservoir) including this	5	Distance to nearest well in lease & reservoir	283.0
Total number of acres in	630.90	Elevation	2538 GL
Total depth TVD	7943	Total depth MD	18197
Plug back depth TVD	7943	Plug back depth MD	18197
Was directional survey made other inclination (Form W-	Yes	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	190.0 Yes
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	Gamma Ray (MWD)		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	674.0 Feet from the	Off Lease :	No
	1263.0 Feet from the	South Line and	
		East Line of the	
		UNIVERSITY 10 RE Lease.	

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.			
Field & Reservoir	Gas ID or Oil Lease	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** 550.0 **Date** 03/14/2016
SWR 13 Exception **Depth**

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of	09/29/2016	Production	Flowing
Number of hours	24	Choke	64
Was swab used during this	No	Oil produced prior to	9155.00
PRODUCTION DURING TEST PERIOD:			
Oil	1183.00	Gas	918
Gas - Oil	775	Flowing Tubing	0.00
Water	2573		
CALCULATED 24-HOUR RATE			
Oil	1183.0	Gas	918
Oil Gravity - API - 60.:	41.4	Casing	308.00
Water	2573		

CASING RECORD

<u>Ro</u>	<u>Type of Casing</u>	<u>Casing Size (in.)</u>	<u>Hole Size</u>	<u>Setting Depth</u>	<u>Multi - Stage</u>	<u>Multi - Tool Shoe</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined By</u>
1	Surface	13 3/8	17 1/2	723			CLASS C 65/35	900	1444.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	7052			CLASS C 50/50	1270	3142.0	0	Circulated to Surface
3	Conventional Production	5 1/2	8 3/4	18197			CLASS H 50/50	4200	5335.0	1300	Calculation

LINER RECORD

<u>Ro</u>	<u>Liner Size</u>	<u>Hole Size</u>	<u>Liner Top</u>	<u>Liner Bottom</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined</u>
N/A									

TUBING RECORD

<u>Ro</u>	<u>Size (in.)</u>	<u>Depth</u>	<u>Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
1	2 7/8	8246		/

PRODUCING/INJECTION/DISPOSAL INTERVAL

<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L1 8326	18100.0

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

Was hydraulic fracturing treatment Yes

Is well equipped with a downhole sleeve? No **If yes, actuation pressure**

Production casing test pressure (PSIG) hydraulic fracturing 8500 **Actual maximum pressure (PSIG) during fracturin** 8330

Has the hydraulic fracturing fluid disclosure been Yes

<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>
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FORMATION RECORD

<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
GRAYBURG	Yes	2698.0	2698.0	Yes	
QUEEN	Yes	2115.0	2115.0	Yes	
SAN ANDRES - SALTWATER FLOW, POSSIBLY HEAVY CLEARFORK	Yes	2864.0	2864.0	Yes	
	No			No	PINCHED OUT IN THE AREA
SPRABERRY	Yes	5527.0	5527.0	Yes	
WOLFCAMP	Yes	7070.0	7119.0	Yes	
STRAWN	No			No	BELOW TD
FUSSELMAN	No			No	BELOW TD
ELLENBURGER	No			No	BELOW TD

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm

No

Is the completion being downhole commingled

No

REMARKS

KOP FOR THIS WELL IS 7,474

RRC REMARKS**PUBLIC COMMENTS:**

[RRC Staff 2016-12-20 13:31:59.484] EDL=9774 feet, max acres=380, LIN (WOLFCAMP) oil well

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	Rian Hinds	Title:	Regulatory Technician
Telephone	(405) 968-4451	Date	02/16/2017



RAILROAD COMMISSION OF TEXAS

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

Form W-15
Rev. 08/2014

CEMENTING REPORT

Cementer: Fill in shade areas.
Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: American Energy Permian
Operator P-5 No.:
Cementer Name: Crest Pumping Technologies
Cementer P-5 No.: 189898

WELL INFORMATION

District No.: 7C
County: Reagan
Well No.: 0632HE
API No.: 42-383-39596
Drilling Permit No.: 814374
Lease Name: University 10RE
Lease No.:
Field Name: Lin (Wolfcamp)
Field No.:

I. CASING CEMENTING DATA

Type of casing: Conductor [], Surface [X], Intermediate [], Liner [], Production []
Drilled hole size (in.): 17 1/2
Depth of drilled hole (ft.): 723
Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.): 13 3/8
Casing weight (lbs/ft) and grade: 54.5#
No. of centralizers used: 5
Was cement circulated to ground surface (or bottom of cellar) outside casing? [X] YES [] NO
Setting depth shoe (ft.): 723
Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:
Calculated top of cement (ft.):
Cementing date: 3/17/2016

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)
Row 1: 1, 475, Class C 65/35, Remarks 1, 879, 1,265
Row 2: 2, 425, Class C, Remarks 2, 565, 814
Row 3: 3, , , , ,
Row 4: Total, 900, , , 1,444, 2,079

II. CASING CEMENTING DATA

Type of casing: Surface [], Intermediate [], Production [], Tapered production [], Multi-stage cement shoe [], Multiple parallel strings []
Drilled hole size (in.):
Depth of drilled hole (ft.):
Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):
Casing weight (lbs/ft) and grade:
No. of centralizers used:
Tapered string drilled hole size (in.):
Tapered string depth of drilled hole (ft.):
Upper: Lower:
Upper: Lower:
Tapered string size of casing in O.D. (in.):
Tapered string casing weight(lbs/ft) and grade:
Tapered string no. of centralizers used:
Upper: Lower:
Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? [] YES [] NO
Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out:
Calculated top of cement (ft.):
Cementing date:

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)
Row 1: 1, , , , ,
Row 2: 2, , , , ,
Row 3: 3, , , , ,
Row 4: Total, , , , ,

III. CASING CEMENTING DATA

Type of casing: Surface [], Intermediate [], Production [], Tapered production [], Multi-stage cement/DV tool [], Multiple parallel strings []
Drilled hole size (in.):
Depth of drilled hole (ft.):
Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):
Casing weight (lbs/ft) and grade:
No. of centralizers used:
Tapered string drilled hole size (in.):
Tapered string depth of drilled hole (ft.):
Upper: Lower:
Upper: Lower:
Tapered string size of casing in O.D. (in.):
Tapered string casing weight(lbs/ft) and grade:
Tapered string no. of centralizers used:
Upper: Lower:
Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? [] YES [] NO
Setting depth tool (ft.):
Hrs. waiting on cement before drill-out:
Calculated top of cement (ft.):
Cementing date:

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)
Row 1: 1, , , , ,
Row 2: 2, , , , ,
Row 3: 3, , , , ,
Row 4: Total, , , , ,



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Rev. 08/2014

Cementer: Fill in shade areas.
Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: Permian Resources Operator P-5 No.: 655836
Cementer Name: Crest Pumping Technologies Cementer P-5 No.: 189898

WELL INFORMATION

District No.: 7C County: Reagan
Well No.: 0632HE API No.: 42-383-39596 Drilling Permit No.: 814374
Lease Name: University 10 RE Lease No.: 18869
Field Name: Lin (Wolfcamp) Field No.: 53613750

I. CASING CEMENTING DATA

Type of casing: Conductor Surface Intermediate (checked) Liner Production
Drilled hole size (in.): 12 1/4 Depth of drilled hole (ft.): 7,067 Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.): 9 5/8 Casing weight (lbs/ft) and grade: 40# J-55, L-80 No. of centralizers used: 56
Was cement circulated to ground surface (or bottom of cellar) outside casing? (checked) YES () NO
Setting depth shoe (ft.): 7,052 Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): 0 Cementing date: 5/20/2016

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.). Rows include slurry 1, 2, 3, and Total.

II. CASING CEMENTING DATA

Type of casing: Surface Intermediate Production Tapered production Multi-stage cement shoe Multiple parallel strings
Drilled hole size (in.): Depth of drilled hole (ft.): Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.): Casing weight (lbs/ft) and grade: No. of centralizers used:
Tapered string drilled hole size (in.): Tapered string depth of drilled hole (ft.):
Upper: Lower: Upper: Lower:
Tapered string size of casing in O.D. (in.): Tapered string casing weight(lbs/ft) and grade: Tapered string no. of centralizers used
Upper: Lower: Upper: Lower: Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? () YES () NO
Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): Cementing date:

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.). Rows include slurry 1, 2, 3, and Total.

III. CASING CEMENTING DATA

Type of casing: Surface Intermediate Production Tapered production Multi-stage cement/DV tool Multiple parallel strings
Drilled hole size (in.): Depth of drilled hole (ft.): Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.): Casing weight (lbs/ft) and grade: No. of centralizers used:
Tapered string drilled hole size (in.): Tapered string depth of drilled hole (ft.):
Upper: Lower: Upper: Lower:
Tapered string size of casing in O.D. (in.): Tapered string casing weight(lbs/ft) and grade: Tapered string no. of centralizers used
Upper: Lower: Upper: Lower: Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? () YES () NO
Setting depth tool (ft.):
Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): Cementing date:

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.). Rows include slurry 1, 2, 3, and Total.



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Rev. 08/2014

CEMENTING REPORT

Cementer: Fill in shade areas.
Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: Permian Resources
Operator P-5 No.: 655836
Cementer Name: Crest Pumping Technologies
Cementer P-5 No.: 189898

WELL INFORMATION

District No.: 7C
County: Reagan
Well No.: 0632HE
API No.: 42-383-39596
Drilling Permit No.: 814374
Lease Name: University 10 RE
Lease No.: 18869
Field Name: Lin (Wolfcamp)
Field No.: 53613750

I. CASING CEMENTING DATA

Type of casing: Conductor Surface Intermediate Liner Production
Drilled hole size (in.): 8 3/4
Depth of drilled hole (ft.): 18,197
Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 5 1/2
Casing weight (lbs/ft) and grade: 17#
No. of centralizers used: 160
Was cement circulated to ground surface (or bottom of cellar) outside casing? YES NO
Setting depth shoe (ft.): 18,197
Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:
Calculated top of cement (ft.): 1,300
Cementing date: 6/3/2016

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

II. CASING CEMENTING DATA

Type of casing: Surface Intermediate Production Tapered production Multi-stage cement shoe Multiple parallel strings
Drilled hole size (in.):
Depth of drilled hole (ft.):
Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):
Casing weight (lbs/ft) and grade:
No. of centralizers used:
Tapered string drilled hole size (in.):
Tapered string depth of drilled hole (ft.):
Upper: Lower:
Tapered string size of casing in O.D. (in.):
Tapered string casing weight(lbs/ft) and grade:
Tapered string no. of centralizers used:
Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? YES NO
Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out:
Calculated top of cement (ft.):
Cementing date:

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

III. CASING CEMENTING DATA

Type of casing: Surface Intermediate Production Tapered production Multi-stage cement/DV tool Multiple parallel strings
Drilled hole size (in.):
Depth of drilled hole (ft.):
Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):
Casing weight (lbs/ft) and grade:
No. of centralizers used:
Tapered string drilled hole size (in.):
Tapered string depth of drilled hole (ft.):
Upper: Lower:
Tapered string size of casing in O.D. (in.):
Tapered string casing weight(lbs/ft) and grade:
Tapered string no. of centralizers used:
Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? YES NO
Setting depth tool (ft.):
Hrs. waiting on cement before drill-out:
Calculated top of cement (ft.):
Cementing date:

SLURRY

Table with 6 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

Tracking No.: 166205

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: PERMIAN RESOURCES, LLC	District No. 7C	Completion Date: 09/18/2016
Field Name LIN (WOLFCAMP)	Drilling Permit No. 814374	
Lease Name UNIVERSITY 10 RE	Lease/ID No. 18869	Well No. 0632HE
County REAGAN	API No. 42- 383-39596	

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). _____

Rian Hinds
Signature
PERMIAN RESOURCES, LLC
Name (print)

Regulatory Technician
Title
(405) 968-4451
Phone
12/12/2016
Date

-FOR RAILROAD COMMISSION USE ONLY-



Gamma Ray Build and Lateral

Job #: 168073 Well ID: 814374
 Scale: 5" = 100 ft Type: MD

Well Site Information

Oil Company	Cathedral Energy Services
Surface Location	University Lands Block 10, Sec. 6
Well Name	University 10 RE 0632HE
API	42-383-39596
Field	Lin (Wolfcamp)
State	TX
Country	USA

Surface Coordinates

Well Type	Horizontal
Latitude	32° 17' 20 N
Longitude	-101° 28' 13 W
N / S Coordinates	591,818.98 ft
E / W Coordinates	1,644,859.60 ft
Azimuth Reference	True North
Grid Convergence	0.59°

MWD Engineers

Lead Hand	A. Evans
Second Hand	A. Clark

Perm Datum	Mean Sea Level	Elevation	2,538.00 ft
Log depth measured from KB is	21.00 ft	above perm datum.	KB = 2,559.00 ft
Total Depth	18,328.00 ft	Spud Date	May/13/2016
(MD) Log Interval	Start Depth	End Date	Jun/01/2016
	6,850.00 ft	End Depth	18,197.16 ft

Hole Size	From	To
12.25 in	727.00 ft	7,067.00 ft
8.75 in	7,067.00 ft	18,197.00 ft

Type	Size	WGT	From	To
Surface	13.38 in	54.5	0.00 ft	723.00 ft
Intermediate	9.63 in	40	723.00 ft	7,054.00 ft

CERTIFICATE OF POOLING AUTHORITY

P-12

Revised 05/2001

1. Field Name(s) Lin (Wolfcamp)	2. Lease/ID Number (if assigned)	3. RRC District Number 7C
4. Operator Name American Energy-Perm Basin, LLC	5. Operator P-5 Number 017996	6. Well Number 0632HE
7. Pooled Unit Name University 10 RE	8. API Number 42-383-39596	9. Purpose of Filing <input checked="" type="checkbox"/> Drilling Permit (W-1) <input type="checkbox"/> Completion Report
10. County Reagan	11. Total acres in pooled unit 630.90	

DESCRIPTION OF INDIVIDUAL TRACTS CONTAINED WITHIN THE POOLED UNIT

TRACT/PLAT IDENTIFIER	TRACT NAME	ACRES IN TRACT <i>(See inst. #7 below)</i>	INDICATE UNDIVIDED INTERESTS	
			UNLEASED	NON-POOLED
1	University Lands	313.100	<input type="checkbox"/>	<input type="checkbox"/>
2	University Lands	317.800	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

CERTIFICATION:

I declare under penalties prescribed pursuant to the Sec. 91.143, Texas Natural Resources Code, that I am authorized to make the foregoing statements and that the information provided by me or under my direction on this Certificate of Pooling Authority is true, correct, and complete to the best of my knowledge.

Rena Carter

 Signature

Rena Carter

 Print Name

Sr. Regulatory Specialist **rena.carter@aep-lp.com**

 Title E-mail (if available)

03/11/2016

 Date

(405) 607-5559

 Phone

INSTRUCTIONS — Reference: Statewide Rules 31, 38 and 40

1. When two or more tracts are pooled to form a unit to obtain a drilling permit, file completion paperwork, or reform a pooled unit pursuant to Rule 38(d)(3) the operator must file an original Certificate of Pooling Authority and certified plat.
2. The certified plat shall designate each tract with an outline and a tract identifier. The tract identifier on the plat shall correspond to the tract identifier and associated information listed on the Certificate.
3. If within an individual tract, a non-pooled and/or unleased interest exists, indicate by checking the appropriate box.
4. If the Purpose of Filing is to obtain a drilling permit, in box #1 list all applicable fields separately or enter "All Fields" if the Certificate pertains to all fields requested on Form W-1.
5. If the Purpose of Filing is to file completion paperwork, enter the applicable field name in box #1 for the completion.
6. Identify the drill site tract with an * to the left of the tract identifier.
7. The total number of acres in the pooled unit in #11 should equal the total of all acres in the individual tracts listed.

Clear Form

STATEMENT OF PRODUCTIVITY OF ACREAGE
ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 166205

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 PERMIAN RESOURCES, LLC ,

UNIVERSITY 10 RE , No. 0632HE ; that such well is
LEASE OPERATOR WELL

completed in the LIN (WOLFCAMP) Field, REAGAN 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 _____

157.725 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, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge,

Date 12/13/2016 Signature Rian Hinds

Telephone (405) 968-4451 Title Regulatory Technician
AREA CODE



Railroad Commission of Texas
1701 N. Congress
Austin, TX 78701

RE: 30 Day IP Exception Letter
Cope 82-81 07HA

Dear Ms. Frischen,

Permian Resources, LLC (655836) respectfully requests an exception to the 30 day provision in regards to SWR 3.51, Oil Potential Test Forms Required, for this well.

If you have any questions or concerns about the above subject matter, please let us know.

Thank you,

Rian Hinds
Rian.hinds@permianresources.com
405.968.4451

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 14 March 2016**GAU Number:** 152286

Attention: AMERICAN ENERGY-PERM
 PO BOX 13710
 OKLAHOMA CITY, OK 73113

API Number:
County: REAGAN
Lease Name: University 10 RE

Operator No.: 017996

Lease Number:
Well Number: 0620HD
Total Vertical Depth: 13000
Latitude: 31.288955
Longitude: -101.470382
Datum: NAD27

Purpose: New Drill**Location:** Survey-UL; Block-10; Section-6

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 a depth of 550 feet must be protected.

This recommendation is applicable to all wells within a radius of 500 feet of this location.

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 03/14/2016. 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

NAD 27, Central Zone 4203
 Surface Hole Location (SEC. 6)
 Latitude: 31.288954° N
 Longitude: 101.470317° W
 X=1644859.80
 Y=591818.98
 Elev.=2538'
 674' FSL & 1263' FEL

Point of Penetration (SEC. 6)
 Latitude: 31.287219° N
 Longitude: 101.470387° W
 X=1644831.59
 Y=591187.91
 42' FSL & 1317' FEL

First Take Point (SEC. 6)
 Latitude: 31.289022° N
 Longitude: 101.470416° W
 X=1644829.34
 Y=591843.59
 698' FSL & 1283' FEL

Last Take Point (SEC. 32)
 Latitude: 31.315877° N
 Longitude: 101.470302° W
 X=1644964.57
 Y=6011610.33
 147' FNL & 1299' FEL

Bottom Hole Location (SEC. 32)
 Latitude: 31.316144° N
 Longitude: 101.470300° W
 X=1644956.17
 Y=601707.31
 50' FNL & 1299' FEL

Tract	Lease	Called Acreage	% of Total
1	University Lands	313.1000 Acres	49.6275
2	University Lands	317.8000 Acres	50.3725
Total		630.9000 Acres	100.0000

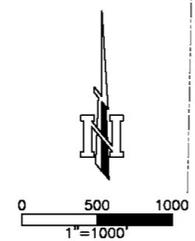
G. C. & S. F. RR CO Survey
 Section 1, A-163
 X=1646265.93
 Y=601732.22

Unit Boundary Distances	
SHL	674' FSL & 1263' FEL
PP	42' FSL & 1281' FEL
FTP	698' FSL & 1293' FEL
LTP	147' FNL & 1289' FEL
BHL	50' FNL & 1299' FEL

University Lands
 Block 58, Sec. 31

University Lands
 Block 10, Sec. 5

University Lands
 Block 10, Sec. 6



Well Name
 University 10 RE 0632HE
 Drilling Field
 LIN (WOLFCAMP) FIELD
 Nearest Town
 6.74 MILES NORTH OF BIG LAKE, TEXAS

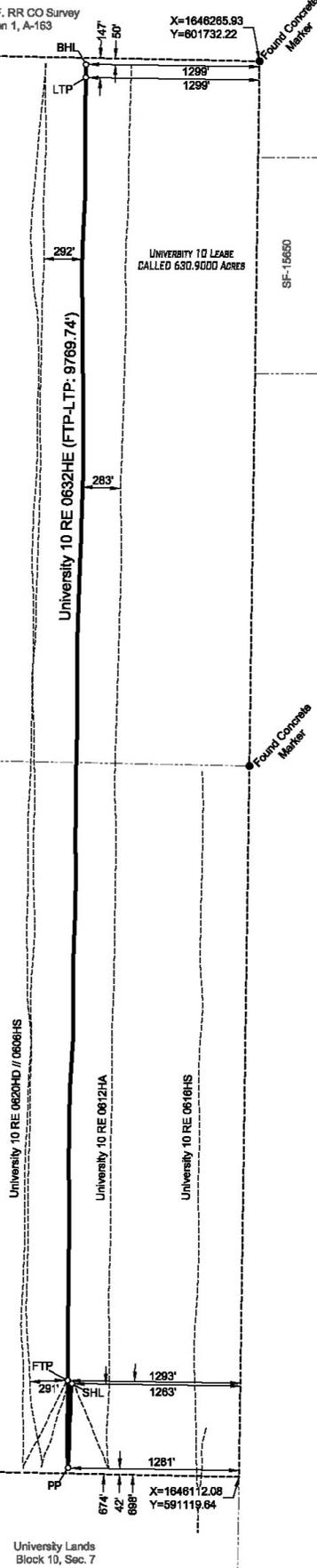


NOTE: This Plat does not, in anyway represent a "Boundary Survey", and does not comply with the current T.B.P.L.S. Minimum Standards of Procedures for Boundary Survey. Shown Acreages were furnished by others. The information contained on this plat is intended for the sole use of PERMIAN RESOURCES, LLC.

NOTE: Bearings and coordinates refer to the Texas Coordinate System of 1927, Central Zone (4203), as observed by GPS observations

I, Damian M. Jagers do hereby certify that the above described well location was surveyed on the ground under my supervision, as shown.

Damian M. Jagers 11/14/2016
 Damian M. Jagers
 REGISTERED PROFESSIONAL LAND SURVEYOR
 TEXAS REGISTRATION NO. 6269



As-Drilled Plat
 for
 Permian Resources, LLC

University 10 RE 0632HE
 University Lands Block 10, Section 6
 University Lands Block 58, Section 32
 Reagan County, Texas