



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 10/11/2016
Tracking No.: 162922

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

OPERATOR INFORMATION

Operator Name: EP ENERGY E&P COMPANY, L.P. Operator No.: 253385
Operator Address: ATTN JOSEPH ARAIZA PO BOX 4660 HOUSTON, TX 77210-4660

WELL INFORMATION

API No.: 42-105-42310 County: CROCKETT
Well No.: 4110NH RRC District No.: 7C
Lease Name: UNIVERSITY EAST Field Name: LIN (WOLFCAMP)
RRC Lease No.: 17576 Field No.: 53613750
Location: Section: 10, Block: 41, Survey: UL, Abstract: U330

Latitude: Longitude:
This well is located 7.14 miles in a SOUTHEAST
direction from BARNHART,
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: 07/17/2016

Type of Permit Date Permit No.
Permit to Drill, Plug Back, or Deepen 09/18/2015 810356
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION

Spud date: 11/14/2015 Date of first production after rig released: 07/17/2016
Date plug back, deepening, recompletion, or drilling operation commenced: 05/18/2016 Date plug back, deepening, recompletion, or drilling operation ended: 07/17/2016
Number of producing wells on this lease in this field (reservoir) including this well: 187 Distance to nearest well in lease & reservoir (ft.): 316.0
Total number of acres in lease: 43372.00 Elevation (ft.): 2636 GL
Total depth TVD (ft.): 6245 Total depth MD (ft.): 16690
Plug back depth TVD (ft.): Plug back depth MD (ft.):
Was directional survey made other than inclination (Form W-12)? No Rotation time within surface casing (hours): 99.0
Is Cementing Affidavit (Form W-15) attached? No
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: 7107.0 Feet from the North Line and
3618.0 Feet from the East Line of the
UNIVERSITY EAST 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.): 900.0	Date: 09/15/2015
SWR 13 Exception	Depth (ft.):	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION		
Date of test: 08/03/2016		Production method: Gas Lift
Number of hours tested: 24		Choke size: 64
Was swab used during this test?	No	Oil produced prior to test: 3356.00
PRODUCTION DURING TEST PERIOD:		
Oil (BBLS): 533.00		Gas (MCF): 502
Gas - Oil Ratio: 941		Flowing Tubing Pressure: 182.00
Water (BBLS): 2305		
CALCULATED 24-HOUR RATE		
Oil (BBLS): 533.0		Gas (MCF): 502
Oil Gravity - API - 60.:	39.7	Casing Pressure: 957.00
Water (BBLS): 2305		

CASING RECORD											
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	9 5/8	12 1/4	1031			CLASS C	406	677.0	0	Circulated to Surface
2	Conventional Production	5 1/2	8 3/4	16690			CLASS C & H	2815	4247.0	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			
Row	Size (in.)	Depth (ft.)	Packer Depth (ft.)/Type
1	2 7/8	6151	6133 / AS1-X

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 6670	16600.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed? Yes			
Is well equipped with a downhole actuation sleeve? Yes			
If yes, actuation pressure (PSIG): 9575.0			
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 8000			
Actual maximum pressure (PSIG) during hydraulic fracturing: 8531			
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	ADD PERFS AND FRAC (SEE FRACFOCUS FOR DETAILS)	6670 16600

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>
QUEEN	Yes	1181.0	1181.0	Yes	
SAN ANDRES	Yes	1540.0	1541.0	Yes	
LEONARD	Yes	4984.0	4996.0	Yes	
WOLFCAMP	Yes	6215.0	6305.0	Yes	
CANYON	No			No	NOT PENETRATED
STRAWN	No			No	NOT PENETRATED
DEVONIAN	No			No	NOT PENETRATED
ELLENBURGER	No			No	NOT PENETRATED

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

UNIVERSITY EAST 4110NH. KOP = 5844'. ALL OTHER REQUIRED FORMS OR ATTACHMENTS WERE SUBMITTED WITH WRO W-2 TRACKING # 162922.

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2016-10-10 16:10:09.187] EDL=9930 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 Name: LINDA RENKEN	Title: Sr. Regulatory Analyst
Telephone No.: (713) 997-5138	Date Certified: 10/10/2016



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 shaded areas.
Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: EP ENERGY E&P COMPANY, LP

Operator P-5 No.: 253385

Cementer Name: VICTOR M ROSAS Baker Hughes

Cementer P-5 No.: 046292

WELL INFORMATION

District No.: 7C

County: CROCKETT

Well No.: 4110NH

API No.: 42105423100000

Drilling Permit No.: 810356

Lease Name: UNIVERSITY EAST

Lease No.: 17576

Field Name: LIN (Wolfcamp)

Field No.: 53613750

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☒ Surface ☐ Intermediate ☐ Liner ☐ Production

Drilled hole size (in.): 12.25

Depth of drilled hole (ft.): ~~1031~~ 1031'

Est. % wash-out or hole enlargement:

Size of casing in O.D. (in.): 9.625

Casing weight (lbs/ft) and grade: 40/J55

No. of centralizers used: 8

Was cement circulated to ground surface (or bottom of cellar) outside casing? ☒ YES ☐ NO If no for surface casing, explain in Remarks.

Setting depth shoe (ft.):

Top of liner (ft.):

1031'

Setting depth liner (ft.):

Hrs. waiting on cement before drill-out: 480

Calculated top of cement (ft.): 0'

Cementing date: 11/14/2015

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	252	C	SEE REMARKS	471	1503
2	154	C	SEE REMARKS	206	857
3					
Total	406	C	SEE REMARKS	677	2160

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

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
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

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

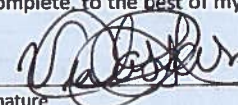
CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS

LEAD SLURRY 35:65:POZ,C,0.005#/SKSF,3%SALT,4%GEL,2.50%SMS,
TAIL SLURRY C,0.005#/SKSF,2.50%CACL, : CIRCULATED : 5 BBLS/ 15 SK

CEMENTER'S CERTIFICATE: I declare under penalties prescribed 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.

VICTOR M ROSAS FIELD SPACIALIST III BAKER HUGHES



Name and title of cementer's representative

Cementing Company

Signature

2929 ALLEN PARKWAY SUIT 2100 HOUSTON TX 77019

(713) 739 8600

11-14-15

Address

City,

State, Zip Code

Tel: Area Code

Number

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.

Linda Renken

Sr. Regulatory Analyst

Typed or printed name of operator's representative

Title

Signature

P.O. Box 4660, Houston, TX 77210-4660

(713) 997-5138

May 10, 2016

Address

City,

State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

- 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.
The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form 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. **How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.rrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).
- C. **Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
To plug and abandon a well, operators must use only cements approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). 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.
- D. **Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. **Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. **Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. **Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



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P.O. Box 12967
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Form W-15

Rev. 08/2014

CEMENTING REPORT

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

OPERATOR INFORMATION

Operator Name: EP Energy E&P Company, L.P.	Operator P-5 No.: 253385
Cementer Name: Rey Rodriguez Baker Hughes	Cementer P-5 No.: 246292

WELL INFORMATION

District No.: 7C	County: Crockett	
Well No.: 4110NH	API No.: 42105423100000	Drilling Permit No.: 810356
Lease Name: University East	Lease No.: 17576	
Field Name: xxx Lin (Wolfcamp)	Field No.: 53613750	

I. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input checked="" type="checkbox"/> Production					
Drilled hole size (in.): 8.75		Depth of drilled hole (ft.): 16690		Est. % wash-out or hole enlargement:	
Size of casing in O.D. (in.): 5-1/2"		Casing weight (lbs/ft) and grade: 17 P-110		No. of centralizers used: 89	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.		Setting depth shoe (ft.): 16690		Top of liner (ft.):	
				Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.): 0'		Cementing date: 12/12/2015	

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	610	C	REMARKS#1	1500	5933
2	2205	H	REMARKS#2	2747	10778
3					
Total	2815			4247	16711

II. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> 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:	Lower:	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:	Upper:	Upper:
Lower:	Lower:	Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO		Setting depth shoe (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

III. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> 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? <input type="checkbox"/> YES <input type="checkbox"/> NO			Setting depth tool (ft.):
Hrs. waiting on cement before drill-out:		Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

REMARKS
REMARKS#1 60/40/C+10#BA90+.65%R3+.3%CD32+1%SMS+.5%BA10A+.005#SF+.005gpsFP13L REMARKS#2 50/50/H+3%SALT+1.2%FL25+2%GEL+.5%SMS+.35%R21+.005#SF+.005gpsFP13L Circulated 21 bb/48 sks of Cement to Surface

CEMENTER'S CERTIFICATE: I declare under penalties prescribed 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.

Rey Rodriguez Field Specialist II

Baker Hughes Inc


Signature

Name and title of cementer's representative

Cementing Company

2929 Allen Pkwy Suite 2100

Houston TX 77019

(713)439-8600

12/12/2015

Address

City,

State, Zip Code

Tel: Area Code

Number

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.

Linda Renken

Sr. Regulatory Analyst

Typed or printed name of operator's representative

Title

Signature

P.O. Box 4660

Houston, TX 77210-4660

(713) 997-5138

May 10, 2016

Address

City,

State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

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The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form 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.
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- Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). 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.
- Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- Multi-stage cement:** An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

Tracking No.: 155251

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: EP ENERGY E&P COMPANY, L.P.	District No. 7C	Completion Date: 12/12/2015
Field Name LIN (WOLFCAMP)	Drilling Permit No. 810356	
Lease Name UNIVERSITY EAST	Lease/ID No. 17576	Well No. 4110NH
County CROCKETT	API No. 42- 105-42310	

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: (ONLY A GAMMA RAY LOG RUN)

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). _____

LINDA RENKEN

Signature

EP ENERGY E&P COMPANY, L.P.

Name (print)

Sr. Regulatory Analyst

Title

(713) 997-5138

Phone

05/10/2016

Date

-FOR RAILROAD COMMISSION USE ONLY-



GAMMA LOG

MD
1":100'

Company: EP Energy E&P Company, L.P.
Well Name: University East 4110 NH
API: 42-105-42310-0000
County/Parish: Reagan
State/Prov: Texas
Country: USA
Job #: 9359

Company: EP Energy E&P Company, L.P.
Well Name: University East 4110 NH
API: 42-105-42310-0000
County/Parish: Reagan
State or Prov: Texas
Country: USA
Job number: 9359
Field: Wolfcamp (B1)
Rig Identification: Nabors 888
Survey Company: Ryan Directional Services
MWD Operator 1: Scott Lane
MWD Operator 2:
Geologist: John Mooney
Drilling Engineer: Derek Motley
Coordinates: 31.025092 N / 101.156161 W

Lease ID 17576

Log measurements: DIR, GAMMA, ROP
Depth measured from: Drill Floor- 27 ft
Maximum temperature: 194 F

Depth	Date
Start: 1.076 ft	12/5/2015
End: 16.690 ft	12/10/2015

Casing	Depth	Size	Mud type: Oil Based Mud	Elevations
Surface:	1,076 ft	9 5/8"	Density: 9.1 LBS. / Gallon	KB: 2,880 ft
Intermediate:			Viscosity: 45 SEC. / Quart	DF: 27 ft
			Rm: N/A Rmf: N/A Rmc: N/A	GL: 2,853 ft

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	8 3/4"	49.00 ft	47.00 ft	1.076 ft	5.844 ft	12/5/2015	12/6/2015
2	8 3/4"	49.00 ft	48.00 ft	5.844 ft	6.501 ft	12/6/2015	12/7/2015
3	8 3/4"	48.00 ft	47.00 ft	6.501 ft	11.032 ft	12/7/2015	12/8/2015
4	8 3/4"	48.00 ft	47.00 ft	11.032 ft	16.690 ft	12/9/2015	12/10/2015
5							
6							
7							
8							
9							
10							

Ryan Directional Services uses its best efforts to provide its customers with accurate information and interpretations in

STATEMENT OF PRODUCTIVITY OF ACREAGE
ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 162922

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 EP ENERGY E&P COMPANY, L.P. ,

OPERATOR

UNIVERSITY EAST

LEASE

No. 4110NH

WELL

; that such well is

completed in the LIN (WOLFCAMP) Field, CROCKETT 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 _____

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

Date 10/06/2016 Signature LINDA RENKEN

Telephone (713) 997-5138 Title Sr. Regulatory Analyst
AREA CODE

EP ENERGY E&P COMPANY, L.P. (253385)
UNIVERSITY EAST LEASE - I.D. 17576
CROCKETT, REAGAN, AND IRION COUNTIES
LIN (WOLFCAMP) FIELD #53613750
PRORATION ACREAGE ASSIGNMENT
43,372 TOTAL ACRES
AS OF SEPTEMBER 2, 2016

Well Name and Number	API Number	Horizontal Assigned Acreage
UNIVERSITY EAST 4107AH	4210541953	200.0
UNIVERSITY EAST 4107BH	4210541954	200.0
UNIVERSITY EAST 4107CH	4210541955	200.0
UNIVERSITY EAST 4107DH	4210541956	200.0
UNIVERSITY EAST 4107EH	4210541957	200.0
UNIVERSITY EAST 4107FH	4210541958	200.0
UNIVERSITY EAST 4107GH	4210541959	200.0
UNIVERSITY EAST 4108AH	4210541789	200.0
UNIVERSITY EAST 4108BH	4210541790	200.0
UNIVERSITY EAST 4108CH	4210541791	200.0
UNIVERSITY EAST 4108DH	4210541795	200.0
UNIVERSITY EAST 4108EH	4210541796	200.0
UNIVERSITY EAST 4108FH	4210541797	200.0
UNIVERSITY EAST 4108GH	4210542066	200.0
UNIVERSITY EAST 4108HH	4210542067	200.0
UNIVERSITY EAST 4108IH	4210542068	200.0
UNIVERSITY EAST 4108JH	4210542072	200.0
UNIVERSITY EAST 4108KH	4210542076	200.0
UNIVERSITY EAST 4108LH	4210542070	200.0
UNIVERSITY EAST 4109AH	4210541801	200.0
UNIVERSITY EAST 4109BH	4210541802	200.0
UNIVERSITY EAST 4109CH	4210541803	200.0
UNIVERSITY EAST 4109DH	4210541804	200.0
UNIVERSITY EAST 4109EH	4210541805	200.0
UNIVERSITY EAST 4109FH	4210541806	200.0
UNIVERSITY EAST 4109GH	4210541818	200.0
UNIVERSITY EAST 4109HH	4210541819	200.0
UNIVERSITY EAST 4109IH	4210541820	200.0
UNIVERSITY EAST 4109JH	4210542071	200.0
UNIVERSITY EAST 4109KH	4210542073	200.0
UNIVERSITY EAST 4109LH	4210542075	200.0
UNIVERSITY EAST 4109MH	4210542077	200.0
UNIVERSITY EAST 4109NH	4210542081	200.0
UNIVERSITY EAST 4109OH	4210542078	200.0
UNIVERSITY EAST 4109PH	4210542080	200.0

EP ENERGY E&P COMPANY, L.P. (253385)
UNIVERSITY EAST LEASE - I.D. 17576
CROCKETT, REAGAN, AND IRION COUNTIES
LIN (WOLFCAMP) FIELD #53613750
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43,372 TOTAL ACRES
AS OF SEPTEMBER 2, 2016

UNIVERSITY EAST 4109QH	4210542079	200.0
UNIVERSITY EAST 4109RH	4210542082	200.0
UNIVERSITY EAST 4110AH	4210542039	200.0
UNIVERSITY EAST 4110BH	4210542042	200.0
UNIVERSITY EAST 4110CH	4210542040	200.0
UNIVERSITY EAST 4110DH	4210542043	200.0
UNIVERSITY EAST 4110EH	4210542041	200.0
UNIVERSITY EAST 4110FH	4210542044	200.0
UNIVERSITY EAST 4110GH	4210542112	200.0
UNIVERSITY EAST 4110HH	4210542086	200.0
UNIVERSITY EAST 4110IH	4210542087	200.0
UNIVERSITY EAST 4110JH	4210542088	200.0
UNIVERSITY EAST 4110KH	4210542089	200.0
UNIVERSITY EAST 4110LH	4210542090	200.0
UNIVERSITY EAST 4110MH	4210542309	200.0
UNIVERSITY EAST 4110NH	4210542310	200.0
UNIVERSITY EAST 4110OH	4310542311	200.0
UNIVERSITY EAST 4116AH	4210542223	200.0
UNIVERSITY EAST 4118AH	4210541724	200.0
UNIVERSITY EAST 4118BH	4210541725	200.0
UNIVERSITY EAST 4118CH	4210541725	200.0
UNIVERSITY EAST 4118DH	4210541727	200.0
UNIVERSITY EAST 4118EH	4210541728	200.0
UNIVERSITY EAST 4118FH	4210541729	200.0
UNIVERSITY EAST 4118GH	4210541730	200.0
UNIVERSITY EAST 4118HH	4210541731	200.0
UNIVERSITY EAST 4316AH	4238337562	200.0
UNIVERSITY EAST 4316BH	4238337567	200.0
UNIVERSITY EAST 4317AH	4238337316	200.0
UNIVERSITY EAST 4317BH	4223534944	200.0
UNIVERSITY EAST 4318AH	4223534785	200.0
UNIVERSITY EAST 4318BH	4223535012	200.0
UNIVERSITY EAST 4319AH	4223534675	200.0
UNIVERSITY EAST 4322AH	4223534607	200.0
UNIVERSITY EAST 4322CH	4223535047	200.0
UNIVERSITY EAST 4322DH	4223535069	200.0
UNIVERSITY EAST 4322EH	4223535068	200.0

EP ENERGY E&P COMPANY, L.P. (253385)
UNIVERSITY EAST LEASE - I.D. 17576
CROCKETT, REAGAN, AND IRION COUNTIES
LIN (WOLFCAMP) FIELD #53613750
PRORATION ACREAGE ASSIGNMENT
43,372 TOTAL ACRES
AS OF SEPTEMBER 2, 2016

UNIVERSITY EAST 4322FH	4223535070	200.0
UNIVERSITY EAST 4322GH	4223535067	200.0
UNIVERSITY EAST 4322HH	4223536049	200.0
UNIVERSITY EAST 4322IH	4223536050	200.0
UNIVERSITY EAST 4322JH	4223536051	200.0
UNIVERSITY EAST 4322KH	4223536051	200.0
UNIVERSITY EAST 4323AH	4223534817	200.0
UNIVERSITY EAST 4323BH	4223534818	200.0
UNIVERSITY EAST 4323CH	4223535034	200.0
UNIVERSITY EAST 4323DH	4223535035	200.0
UNIVERSITY EAST 4323EH	4323535925	200.0
UNIVERSITY EAST 4323FH	4223535929	200.0
UNIVERSITY EAST 4323GH	4223535968	200.0
UNIVERSITY EAST 4323HH	4223536084	200.0
UNIVERSITY EAST 4323IH	4223536085	200.0
UNIVERSITY EAST 4323JH	4223536086	200.0
UNIVERSITY EAST 4323KH	4223536087	200.0
UNIVERSITY EAST 4324AH	4238337406	200.0
UNIVERSITY EAST 4324BH	4223535026	200.0
UNIVERSITY EAST 4324CH	4223535024	200.0
UNIVERSITY EAST 4324DH	4238339085	200.0
UNIVERSITY EAST 4324EH	4238339086	200.0
UNIVERSITY EAST 4324FH	4238339087	200.0
UNIVERSITY EAST 4324GH	4238339088	200.0
UNIVERSITY EAST 4324HH	4238339089	200.0
UNIVERSITY EAST 4324IH	4238339090	200.0
UNIVERSITY EAST 4324JH	4223535922	200.0
UNIVERSITY EAST 4324KH	4223535923	200.0
UNIVERSITY EAST 4324LH	4223535924	200.0
UNIVERSITY EAST 4325AH	4238337936	200.0
UNIVERSITY EAST 4325BH	4238338362	200.0
UNIVERSITY EAST 4325CH	4238338364	200.0
UNIVERSITY EAST 4325DH	4238338374	200.0
UNIVERSITY EAST 4325EH	4238339366	200.0
UNIVERSITY EAST 4325FH	4238339337	200.0
UNIVERSITY EAST 4411AH	4210541624	200.0
UNIVERSITY EAST 4411BH	4210541626	200.0

EP ENERGY E&P COMPANY, L.P. (253385)
UNIVERSITY EAST LEASE - I.D. 17576
CROCKETT, REAGAN, AND IRION COUNTIES
LIN (WOLFCAMP) FIELD #53613750
PRORATION ACREAGE ASSIGNMENT
43,372 TOTAL ACRES
AS OF SEPTEMBER 2, 2016

UNIVERSITY EAST 4411CH	4210541643	200.0
UNIVERSITY EAST 4411DH	4210541623	200.0
UNIVERSITY EAST 4411EH	4210541625	200.0
UNIVERSITY EAST 4411FH	4210541637	200.0
UNIVERSITY EAST 4411GH	4210542006	200.0
UNIVERSITY EAST 4411HH	4210542007	200.0
UNIVERSITY EAST 4411IH	4210542008	200.0
UNIVERSITY EAST 4411JH	4210542009	200.0
UNIVERSITY EAST 4411KH	4210542010	200.0
UNIVERSITY EAST 4411LH	4210542011	200.0
UNIVERSITY EAST 4411MH	4210542028	200.0
UNIVERSITY EAST 4411NH	4210542038	200.0
UNIVERSITY EAST 4412AH	4210541627	200.0
UNIVERSITY EAST 4412BH	4210541628	200.0
UNIVERSITY EAST 4412CH	4210541629	200.0
UNIVERSITY EAST 4412DH	4210541661	200.0
UNIVERSITY EAST 4412EH	4210541660	200.0
UNIVERSITY EAST 4412FH	4210541659	200.0
UNIVERSITY EAST 4412GH	4210541632	200.0
UNIVERSITY EAST 4412HH	4210541634	200.0
UNIVERSITY EAST 4412IH	4210541635	200.0
UNIVERSITY EAST 4412JH	4210541875	200.0
UNIVERSITY EAST 4412KH	4210541876	200.0
UNIVERSITY EAST 4412NH	4210541879	200.0
UNIVERSITY EAST 4412OH	4210541880	200.0
UNIVERSITY EAST 4412RH	4210541884	200.0
UNIVERSITY EAST 4412SH	4210541869	200.0
UNIVERSITY EAST 4412VH	4210541873	200.0
UNIVERSITY EAST 4412WH	4210541874	200.0
UNIVERSITY EAST 4413AH	4210541664	200.0
UNIVERSITY EAST 4413BH	4210541663	200.0
UNIVERSITY EAST 4413CH	4210541662	200.0
UNIVERSITY EAST 4413DH	4210541638	200.0
UNIVERSITY EAST 4413EH	4210541639	200.0
UNIVERSITY EAST 4413FH	4210541640	200.0
UNIVERSITY EAST 4413GH	4210541665	200.0
UNIVERSITY EAST 4413HH	4210552906	200.0

**EP ENERGY E&P COMPANY, L.P. (253385)
UNIVERSITY EAST LEASE - I.D. 17576
CROCKETT, REAGAN, AND IRION COUNTIES
LIN (WOLFCAMP) FIELD #53613750
PRORATION ACREAGE ASSIGNMENT
43,372 TOTAL ACRES
AS OF SEPTEMBER 2, 2016**

UNIVERSITY EAST 4413IH	4210541896	200.0
UNIVERSITY EAST 4413JH	4210541897	200.0
UNIVERSITY EAST 4413KH	4210541898	200.0
UNIVERSITY EAST 4413LH	4210541899	200.0
UNIVERSITY EAST 4413MH	4210541904	200.0
UNIVERSITY EAST 4413NH	4210542171	200.0
UNIVERSITY EAST 4413OH	4210542167	200.0
UNIVERSITY EAST 4414AH	4210541900	200.0
UNIVERSITY EAST 4414BH	4210542136	200.0
UNIVERSITY EAST 4414CH	4210542131	200.0
UNIVERSITY EAST 4416AH	4210541948	200.0
UNIVERSITY EAST 4416BH	4210541949	200.0
UNIVERSITY EAST 4416CH	4210541950	200.0
UNIVERSITY EAST 4416DH	4210541951	200.0
UNIVERSITY EAST 4416EH	4210541952	200.0
UNIVERSITY EAST 4417AH	4210541671	200.0
UNIVERSITY EAST 4417BH	4210541672	200.0
UNIVERSITY EAST 4417CH	4210541673	200.0
UNIVERSITY EAST 4417DH	4210541677	200.0
UNIVERSITY EAST 4417EH	4210541678	200.0
UNIVERSITY EAST 4417FH	4210541681	200.0
UNIVERSITY EAST 4417GH	4210541670	200.0
UNIVERSITY EAST 4417HH	4210541837	200.0
UNIVERSITY EAST 4417IH	4210541839	200.0
UNIVERSITY EAST 4417JH	4210541838	200.0
UNIVERSITY EAST 4417KH	4210541848	200.0
UNIVERSITY EAST 4417LH	4210541849	200.0
UNIVERSITY EAST 4417LH	4210541849	200.0
UNIVERSITY EAST 4417MH	4210541850	200.0
UNIVERSITY EAST 4417OH	4210541867	200.0
UNIVERSITY EAST 4417PH	4210541868	200.0
UNIVERSITY EAST 4425AH	4210541715	200.0
UNIVERSITY EAST 4425BH	4210541716	200.0
UNIVERSITY EAST 4425CH	4210541717	200.0
UNIVERSITY EAST 4425DH	4210541718	200.0
UNIVERSITY EAST 4425EH	4210541719	200.0
UNIVERSITY EAST 4425FH	4210541720	200.0

**EP ENERGY E&P COMPANY, L.P. (253385)
UNIVERSITY EAST LEASE - I.D. 17576
CROCKETT, REAGAN, AND IRION COUNTIES
LIN (WOLFCAMP) FIELD #53613750
PRORATION ACREAGE ASSIGNMENT
43,372 TOTAL ACRES
AS OF SEPTEMBER 2, 2016**

UNIVERSITY EAST 4716AH	4210541592	200.0
UNIVERSITY EAST 4716BH	4210541594	200.0
UNIVERSITY EAST 4716CH	4210541606	200.0
UNIVERSITY EAST 4716DH	4210541613	200.0
UNIVERSITY EAST 4716EH	4210541618	200.0
UNIVERSITY EAST 4716GH	4210541604	200.0
UNIVERSITY EAST 4716HH	4210541916	200.0
UNIVERSITY EAST 4716IH	4210541917	200.0
UNIVERSITY EAST 4716JH	4210541918	200.0
UNIVERSITY EAST 4716KH	4210541919	200.0
UNIVERSITY EAST 4716LH	4210541920	200.0
UNIVERSITY EAST 4716MH	4210541921	200.0
UNIVERSITY EAST 4717AH	4210541922	200.0
UNIVERSITY EAST 4717BH	4210541923	200.0
UNIVERSITY EAST 4717CH	4210541924	200.0
UNIVERSITY EAST 4717DH	4210541925	200.0
UNIVERSITY EAST 4717EH	4210541926	200.0
UNIVERSITY EAST 4717FH	4210541927	200.0
UNIVERSITY EAST 4718AH	4210541250	200.0
UNIVERSITY EAST 4718BH	4210541580	200.0
UNIVERSITY EAST 4719AH	4210541558	200.0
	Total Allocated Acres:	40800.0

Total Acres Remaining:

2572.000

October 7, 2016

The Railroad Commission of Texas
P.O. Box 12967
Austin, TX 78711-2967

Re: Request for Waiver of the 10-Day Well Test Back-Date Rule
For the University East 4110OH, 4110NH, and 4110MH
Lease I.D. 17576, Crockett County, District 7C

To Whom It May Concern:

Due to the filing date of this initial potential completion package, EP Energy E&P Company, L.P., requests the rule restricting a well test to be back-dated no more than 10 days from the date of the test be waived, and the allowable be assigned from the date of the initial well test.

Thank you for your assistance in this matter.

Sincerely,

Linda Renken
Sr. Regulatory Analyst
713.997.5138
linda.renken@epenergy.com

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 15 September 2015**GAU Number:** 15141**Attention:** EP ENERGY E&P COMPANY,
ATTN CHELSEA CHAPMAN
HOUSTON, TX 77210**Operator No.:** 253385**API Number:**
County: CROCKETT
Lease Name: University East
Lease Number: 17576
Well Number: 4110MH
Total Vertical Depth: 8999
Latitude: 31.025092
Longitude: -101.156161
Datum: NAD27**Purpose:** New Drill**Location:** Survey-UL; Abstract-U330; Block-41; Section-10

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 900 feet must be protected.

This recommendation is applicable to all wells within a radius of 200 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 09/15/2015. 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

NAD 83, Central Zone 4203

Surface Hole Location (SHL Sec. 10)
Latitude: 31.025257° N
Longitude: 101.156486° W
X=2038762.71
Y=10337568.72
Elev.=2636'
1670' FNL & 1670' FWL

NAD 27, Central Zone 4203

Surface Hole Location (SHL Sec. 10)
Latitude: 31.025092° N
Longitude: 101.156097° W
X=1742295.58
Y=494990.28
Elev.=2636'
1670' FNL & 1670' FWL

Point of Penetration (PP Sec. 10)
Latitude: 31.024823° N
Longitude: 101.156163° W
X=1742274.00
Y=494892.64
1731' FNL & 1488' FWL

First Take Point (FTP Sec. 10)
Latitude: 31.022891° N
Longitude: 101.156641° W
X=1742118.99
Y=494191.29
2146' FNL & 1489' FWL

Last Take Point (LTP Sec. 22)
Latitude: 31.000061° N
Longitude: 101.156542° W
X=1742088.76
Y=485887.95
1195' FNL & 1510' FWL

Bottom Hole Location (BHL Sec. 22)
Latitude: 30.999786° N
Longitude: 101.156541° W
X=1742088.40
Y=485787.95
1285' FNL & 1516' FWL

Unit Boundary Distance

SHL	7107' FNL & 3618' FEL
PP	7169' FNL & 3799' FEL
FTP	7584' FNL & 3798' FEL
LTP	17507' FNL & 3783' FEL
BHL	17596' FNL & 3777' FEL

X=1738893.89
Y=502616.59

X=1746184.17
Y=502589.84

EP ENERGY
E&P COMPANY, L.P.
43,372.00 Acres (Called)
"University East Unit"

X=1740631.65
Y=496663.68

X=1745918.45
Y=496651.67

Found Concrete Marker

S89° 52' 11.49"E 5286.81' 5286.81

2146'
1731'
1670'

1670'
1488'
1489'

1670'
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EP ENERGY

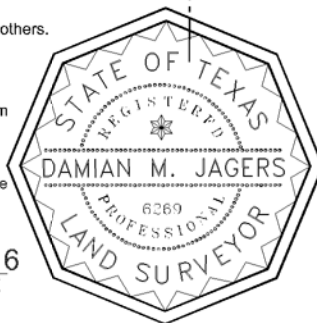
Well Name
UNIVERSITY EAST 4110NH
Drilling Field
LIN (WOLFCAMP) FIELD
Nearest Town
7.14 MILES SOUTHEAST OF BARNHART, TEXAS

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 EP ENERGY E&P COMPANY, L.P.

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 9/30/2016
Damian M. Jagers
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 6269



0 1000 2000
1"=2000'



As-Drilled Well Plat
For
EP Energy E&P Company, L.P.

University East 4110NH
Block 41, Section 10
Block 41, Section 15
Block 41, Section 22
Crockett County, Texas