RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 07/06/2016
Tracking No.: 155251

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: Well Record Only
Type of completion: New Well
Well Type: Shut-In Producer **Completion or Recompletion Date:** 12/12/2015

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:** 12/12/2015
Date plug back, deepening, recompletion, or drilling operation commenced: 11/14/2015 **Date plug back, deepening, recompletion, or drilling operation ended:** 12/12/2015
Number of producing wells on this lease in this field (reservoir) including this well: 187 **Distance to nearest well in lease & reservoir (ft.):** 1284.0
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)? Yes **Rotation time within surface casing (hours):** 99.0
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No **Multiple completion?** No
Type(s) of electric or other log(s) run: Gamma Ray (MWD)
Electric Log Other Description:
Location of well, relative to nearest lease boundaries of lease on which this well is located: 7107.0 **Feet from the** North **Line and** 3638.0 **Feet from the** East **Line of the** UNIVERSITY EAST **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 **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: **Production method:**

Number of hours tested: 24 **Choke size:**

Was swab used during this test? No **Oil produced prior to test:**

PRODUCTION DURING TEST PERIOD:

Oil (BBLS): **Gas (MCF):**

Gas - Oil Ratio: 0 **Flowing Tubing Pressure:**

Water (BBLS):

CALCULATED 24-HOUR RATE

Oil (BBLS): **Gas (MCF):**

Oil Gravity - API - 60.: **Casing Pressure:**

Water (BBLS):

CASING RECORD

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Tool 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 Size (ft.)	Packer Depth (ft.)/Type
			/

N/A

PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
		L	

N/A

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

Was hydraulic fracturing treatment performed? No

Is well equipped with a downhole actuation sleeve? No

If yes, actuation pressure (PSIG):

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:

Actual maximum pressure (PSIG) during hydraulic fracturing:

Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)? No

Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)

N/A

FORMATION RECORD

Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
QUEEN	Yes	1180.6	1180.6	Yes	
SAN ANDRES	Yes	1540.3	1541.4	Yes	
LEONARD	Yes	4983.5	4995.6	Yes	
WOLFCAMP	Yes	6215.4	6305.3	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'. THE WELL IS NOT COMPLETED. ONLY THE SURFACE AND PRODUCTION CASING HAS BEEN SET. IT HAS NOT BEEN PERFED OR FRAC'D.

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

TUBING RECORD:

WELL HAS NOT BE PERFED YET.

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:** 05/10/2016

RAILROAD COMMISSION OF TEXAS

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

CEMENTING REPORT

Form W-15
Rev. 08/2014

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'	**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.):** 1031'	**Top of liner (ft.):** / **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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**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

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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**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

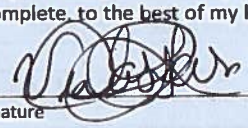
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

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 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_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.

RAILROAD COMMISSION OF TEXAS

1701 N. Congress
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: ☐ Conductor ☐ Surface ☐ Intermediate ☐ Liner ☑ 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? ☒ YES ☐ 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: ☐ 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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**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

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.) Upper: Lower:	**Tapered string depth of drilled hole (ft.)** Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	**Tapered string casing weight(lbs/ft) and grade** Upper: Lower:	**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

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 bbl/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		
Name and title of cementer's representative	Cementing Company	Signature	
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

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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.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

ELECTRIC LOG STATUS REPORT

FORM L-1

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

Sr. Regulatory Analyst
Title

EP ENERGY E&P COMPANY, L.P.
Name (print)

(713) 997-5138
Phone

05/10/2016
Date

-FOR RAILROAD COMMISSION USE ONLY-

RYAN DIRECTIONAL SERVICES, INC.

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/Prov: Texas
Country: USA
Job #: 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
Surface:	1,076 ft	9 5/8"
Intermediate:		

Mud type: Oil Based Mud
Density: 9.1 LBS. / Gallon
Viscosity: 45 SEC. / Quart
Rm: N/A **Rmf:** N/A **Rmc:** N/A

Elevations
KB: 2,880 ft
DF: 27 ft
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							

STATEMENT OF PRODUCTIVITY OF ACREAGE ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 155251

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 40.0 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 05/10/2016 Signature LINDA RENKEN

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

University East Unit, Lease I.D. 17576
Proration Acreage Assignment
43,372 Total Acres
As of May 10, 2016

Well Name and Number	API Number	Assigned Acreage
UNIVERSITY EAST 4107AH	4210541953	230.0
UNIVERSITY EAST 4107BH	4210541954	230.0
UNIVERSITY EAST 4107CH	4210541955	230.0
UNIVERSITY EAST 4107DH	4210541956	230.0
UNIVERSITY EAST 4107EH	4210541957	230.0
UNIVERSITY EAST 4107FH	4210541958	230.0
UNIVERSITY EAST 4107GH	4210541959	230.0
UNIVERSITY EAST 4108BH	4210541790	230.0
UNIVERSITY EAST 4108CH	4210541791	230.0
UNIVERSITY EAST 4108DH	4210541795	230.0
UNIVERSITY EAST 4108EH	4210541796	230.0
UNIVERSITY EAST 4108FH	4210541797	230.0
UNIVERSITY EAST 4108GH	4210542066	230.0
UNIVERSITY EAST 4108HH	4210542067	230.0
UNIVERSITY EAST 4108IH	4210542068	230.0
UNIVERSITY EAST 4108JH	4210542072	230.0
UNIVERSITY EAST 4108KH	4210542076	230.0
UNIVERSITY EAST 4108LH	4210542070	230.0
UNIVERSITY EAST 4109AH	4210541801	230.0
UNIVERSITY EAST 4109BH	4210541802	230.0
UNIVERSITY EAST 4109CH	4210541803	230.0
UNIVERSITY EAST 4109DH	4210541804	230.0
UNIVERSITY EAST 4109EH	4210541805	230.0
UNIVERSITY EAST 4109FH	4210541806	230.0
UNIVERSITY EAST 4109GH	4210541818	230.0
UNIVERSITY EAST 4109HH	4210541819	230.0
UNIVERSITY EAST 4109IH	4210541820	230.0
UNIVERSITY EAST 4109JH	4210542071	230.0
UNIVERSITY EAST 4109KH	4210542073	230.0
UNIVERSITY EAST 4109LH	4210542075	230.0
UNIVERSITY EAST 4109MH	4210542077	230.0
UNIVERSITY EAST 4109NH	4210542081	230.0
UNIVERSITY EAST 4109OH	4210542078	230.0
UNIVERSITY EAST 4110AH	4210542039	230.0
UNIVERSITY EAST 4110BH	4210542042	230.0
UNIVERSITY EAST 4110CH	4210542040	230.0
UNIVERSITY EAST 4110DH	4210542043	230.0
UNIVERSITY EAST 4110EH	4210542041	230.0

University East Unit, Lease I.D. 17576
Proration Acreage Assignment
43,372 Total Acres
As of May 10, 2016

Well Name and Number	API Number	Assigned Acreage
UNIVERSITY EAST 4110FH	4210542044	230.0
UNIVERSITY EAST 4110GH	4210542112	230.0
UNIVERSITY EAST 4110HH	4210542086	230.0
UNIVERSITY EAST 4110IH	4210542087	230.0
UNIVERSITY EAST 4110JH	4210542088	40.0
UNIVERSITY EAST 4110KH	4210542089	40.0
UNIVERSITY EAST 4110LH	4210542090	40.0
UNIVERSITY EAST 4110MH	4210542309	40.0
UNIVERSITY EAST 4110NH	4210542310	40.0
UNIVERSITY EAST 4110OH	4310542311	40.0
UNIVERSITY EAST 4116AH	4210542223	230.0
UNIVERSITY EAST 4118AH	4210541724	230.0
UNIVERSITY EAST 4118BH	4210541725	230.0
UNIVERSITY EAST 4118CH	4210541725	230.0
UNIVERSITY EAST 4118EH	4210541728	230.0
UNIVERSITY EAST 4118FH	4210541729	230.0
UNIVERSITY EAST 4118GH	4210541730	230.0
UNIVERSITY EAST 4118HH	4210541731	230.0
UNIVERSITY EAST 4316AH	4238337562	230.0
UNIVERSITY EAST 4316BH	4238337567	230.0
UNIVERSITY EAST 4317AH	4238337316	230.0
UNIVERSITY EAST 4317BH	4223534944	230.0
UNIVERSITY EAST 4318AH	4223534785	230.0
UNIVERSITY EAST 4318BH	4223535012	230.0
UNIVERSITY EAST 4319AH	4223534675	230.0
UNIVERSITY EAST 4322BH	4223534607	230.0
UNIVERSITY EAST 4322CH	4223535047	230.0
UNIVERSITY EAST 4322DH	4223535069	230.0
UNIVERSITY EAST 4322EH	4223535068	230.0
UNIVERSITY EAST 4322FH	4223535070	230.0
UNIVERSITY EAST 4322GH	4223535067	230.0
UNIVERSITY EAST 4322HH	4223536049	230.0
UNIVERSITY EAST 4322IH	4223536050	230.0
UNIVERSITY EAST 4322JH	4223536051	230.0
UNIVERSITY EAST 4322KH	4223536051	230.0
UNIVERSITY EAST 4323AH	4223534817	230.0
UNIVERSITY EAST 4323BH	4223534818	230.0
UNIVERSITY EAST 4323CH	4223535034	230.0

University East Unit, Lease I.D. 17576
Proration Acreage Assignment
43,372 Total Acres
As of May 10, 2016

Well Name and Number	API Number	Assigned Acreage
UNIVERSITY EAST 4323DH	4223535035	230.0
UNIVERSITY EAST 4323EH	4323535925	230.0
UNIVERSITY EAST 4323FH	4223535929	230.0
UNIVERSITY EAST 4323GH	4223535968	230.0
UNIVERSITY EAST 4324AH	4238337406	230.0
UNIVERSITY EAST 4324BH	4223535026	230.0
UNIVERSITY EAST 4324CH	4223535024	230.0
UNIVERSITY EAST 4324DH	4238339085	230.0
UNIVERSITY EAST 4324EH	4238339086	230.0
UNIVERSITY EAST 4324FH	4238339087	230.0
UNIVERSITY EAST 4324GH	4238339088	230.0
UNIVERSITY EAST 4324HH	4238339089	230.0
UNIVERSITY EAST 4324IH	4238339090	230.0
UNIVERSITY EAST 4324JH	4223535922	230.0
UNIVERSITY EAST 4324KH	4223535923	230.0
UNIVERSITY EAST 4324LH	4223535924	230.0
UNIVERSITY EAST 4325AH	4238337936	230.0
UNIVERSITY EAST 4325BH	4238338362	230.0
UNIVERSITY EAST 4325CH	4238338364	230.0
UNIVERSITY EAST 4325DH	4238338374	230.0
UNIVERSITY EAST 4325EH	4238339366	230.0
UNIVERSITY EAST 4325FH	4238339337	230.0
UNIVERSITY EAST 4411AH	4210541624	230.0
UNIVERSITY EAST 4411BH	4210541626	230.0
UNIVERSITY EAST 4411CH	4210541643	230.0
UNIVERSITY EAST 4411DH	4210541623	230.0
UNIVERSITY EAST 4411EH	4210541625	230.0
UNIVERSITY EAST 4411FH	4210541637	230.0
UNIVERSITY EAST 4411GH	4210542006	230.0
UNIVERSITY EAST 4411HH	4210542007	230.0
UNIVERSITY EAST 4411IH	4210542008	230.0
UNIVERSITY EAST 4411JH	4210542009	230.0
UNIVERSITY EAST 4411KH	4210542010	230.0
UNIVERSITY EAST 4411LH	4210542011	230.0
UNIVERSITY EAST 4411MH	4210542028	230.0
UNIVERSITY EAST 4411NH	4210542038	230.0
UNIVERSITY EAST 4412AH	4210541627	230.0
UNIVERSITY EAST 4412BH	4210541628	230.0

University East Unit, Lease I.D. 17576
Proration Acreage Assignment
43,372 Total Acres
As of May 10, 2016

Well Name and Number	API Number	Assigned Acreage
UNIVERSITY EAST 4412CH	4210541629	230.0
UNIVERSITY EAST 4412DH	4210541661	230.0
UNIVERSITY EAST 4412EH	4210541660	230.0
UNIVERSITY EAST 4412FH	4210541659	230.0
UNIVERSITY EAST 4412GH	4210541632	230.0
UNIVERSITY EAST 4412HH	4210541634	230.0
UNIVERSITY EAST 4412IH	4210541635	230.0
UNIVERSITY EAST 4412JH	4210541875	230.0
UNIVERSITY EAST 4412KH	4210541876	230.0
UNIVERSITY EAST 4412NH	4210541879	230.0
UNIVERSITY EAST 4412OH	4210541880	230.0
UNIVERSITY EAST 4412SH	4210541869	230.0
UNIVERSITY EAST 4412VH	4210541873	230.0
UNIVERSITY EAST 4412WH	4210541874	230.0
UNIVERSITY EAST 4413AH	4210541664	230.0
UNIVERSITY EAST 4413BH	4210541663	230.0
UNIVERSITY EAST 4413CH	4210541662	230.0
UNIVERSITY EAST 4413DH	4210541638	230.0
UNIVERSITY EAST 4413EH	4210541639	230.0
UNIVERSITY EAST 4413FH	4210541640	230.0
UNIVERSITY EAST 4413GH	4210541665	230.0
UNIVERSITY EAST 4413HH	4210552906	230.0
UNIVERSITY EAST 4413JH	4210541897	230.0
UNIVERSITY EAST 4413KH	4210541898	230.0
UNIVERSITY EAST 4413LH	4210541899	230.0
UNIVERSITY EAST 4413MH	4210541904	230.0
UNIVERSITY EAST 4414AH	4210541900	230.0
UNIVERSITY EAST 4414BH	4210542136	230.0
UNIVERSITY EAST 4414CH	4210542131	230.0
UNIVERSITY EAST 4416AH	4210541948	230.0
UNIVERSITY EAST 4416BH	4210541949	230.0
UNIVERSITY EAST 4416CH	4210541950	230.0
UNIVERSITY EAST 4416DH	4210541951	230.0
UNIVERSITY EAST 4416EH	4210541952	230.0
UNIVERSITY EAST 4417AH	4210541671	230.0
UNIVERSITY EAST 4417BH	4210541672	230.0
UNIVERSITY EAST 4417CH	4210541673	230.0
UNIVERSITY EAST 4417DH	4210541677	230.0

University East Unit, Lease I.D. 17576
Proration Acreage Assignment
43,372 Total Acres
As of May 10, 2016

Well Name and Number	API Number	Assigned Acreage
UNIVERSITY EAST 4417EH	4210541678	230.0
UNIVERSITY EAST 4417FH	4210541681	230.0
UNIVERSITY EAST 4417GH	4210541670	230.0
UNIVERSITY EAST 4417HH	4210541837	230.0
UNIVERSITY EAST 4417IH	4210541839	230.0
UNIVERSITY EAST 4417JH	4210541838	230.0
UNIVERSITY EAST 4417KH	4210541848	230.0
UNIVERSITY EAST 4417LH	4210541849	230.0
UNIVERSITY EAST 4417LH	4210541849	230.0
UNIVERSITY EAST 4417MH	4210541850	230.0
UNIVERSITY EAST 4417PH	4210541868	230.0
UNIVERSITY EAST 4425AH	4210541715	230.0
UNIVERSITY EAST 4425BH	4210541716	230.0
UNIVERSITY EAST 4425CH	4210541717	230.0
UNIVERSITY EAST 4425DH	4210541718	230.0
UNIVERSITY EAST 4425EH	4210541719	230.0
UNIVERSITY EAST 4425FH	4210541720	230.0
UNIVERSITY EAST 4716AH	4210541592	230.0
UNIVERSITY EAST 4716BH	4210541594	230.0
UNIVERSITY EAST 4716CH	4210541606	230.0
UNIVERSITY EAST 4716DH	4210541613	230.0
UNIVERSITY EAST 4716EH	4210541618	230.0
UNIVERSITY EAST 4716GH	4210541604	230.0
UNIVERSITY EAST 4716HH	4210541916	230.0
UNIVERSITY EAST 4716IH	4210541917	230.0
UNIVERSITY EAST 4716JH	4210541918	230.0
UNIVERSITY EAST 4716KH	4210541919	230.0
UNIVERSITY EAST 4716LH	4210541920	230.0
UNIVERSITY EAST 4716MH	4210541921	230.0
UNIVERSITY EAST 4717AH	4210541922	230.0
UNIVERSITY EAST 4717BH	4210541923	230.0
UNIVERSITY EAST 4717CH	4210541924	230.0
UNIVERSITY EAST 4717DH	4210541925	230.0
UNIVERSITY EAST 4717EH	4210541926	230.0
UNIVERSITY EAST 4717FH	4210541927	230.0
UNIVERSITY EAST 4718AH	4210541250	230.0
UNIVERSITY EAST 4718BH	4210541580	230.0
UNIVERSITY EAST 4719AH	4210541558	230.0

University East Unit, Lease I.D. 17576
Proration Acreage Assignment
43,372 Total Acres
As of May 10, 2016

Well Name and Number	API Number	Assigned Acreage
	Total Allocated Acres:	42560.0

Total Acres Remaining: **812.000**

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	**API Number:**	
		County:	CROCKETT
		Lease Name:	University East
		Lease Number:	17576
Operator No.:	253385	**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