



**RAILROAD COMMISSION OF TEXAS**

**Form W-2**

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

Status: Approved  
Date: 06/25/2018  
Tracking No.: 190880

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

**OPERATOR INFORMATION**

**Operator Name:** MEWBOURNE OIL COMPANY      **Operator No.:** 562560  
**Operator Address:** BOX 7698 TYLER, TX 75711-0000

**WELL INFORMATION**

**API No.:** 42-495-33905      **County:** WINKLER  
**Well No.:** W101BO      **RRC District No.:** 08  
**Lease Name:** UNIVERSITY B20 12      **Field Name:** PHANTOM (WOLFCAMP)  
**RRC Lease No.:** 48755      **Field No.:** 71052900  
**Location:** Section: 12, Block: 20, Survey: UL, Abstract: U18  
  
**Latitude:** 31.746035      **Longitude:** -103.286418  
**This well is located**      7.6      **miles in a**      SW  
**direction from**      WINK,  
**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:** 02/12/2018  

<u>Type of Permit</u>	<u>Date</u>	<u>Permit No.</u>
Permit to Drill, Plug Back, or Deepen	08/21/2017	829911
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

**COMPLETION INFORMATION**

**Spud date:** 11/16/2017      **Date of first production after rig released:** 02/12/2018  
**Date plug back, deepening, recompletion, or drilling operation commenced:** 11/16/2017      **Date plug back, deepening, recompletion, or drilling operation ended:** 12/12/2017  
**Number of producing wells on this lease in this field (reservoir) including this well:** 2      **Distance to nearest well in lease & reservoir (ft.):** 1465.0  
**Total number of acres in lease:** 320.70      **Elevation (ft.):** 2820      GL  
**Total depth TVD (ft.):** 12182      **Total depth MD (ft.):** 16890  
**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):** 45.0  
**Recompletion or reclass?** No      **Is Cementing Affidavit (Form W-15) attached?** Yes  
**Type(s) of electric or other log(s) run:** Gamma Ray (MWD)      **Multiple completion?** No  
**Electric Log Other Description:**  
**Location of well, relative to nearest lease boundaries**      **Off Lease :** No  
**of lease on which this well is located:**      385.0 **Feet from the**      North **Line and**  
916.0 **Feet from the**      West **Line of the**  
UNIVERSITY B20 12 **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.):** 325.0                      **Date:** 08/25/2015  
**SWR 13 Exception**    **Depth (ft.):**

**INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION**

**Date of test:** 02/25/2018    **Production method:** Flowing  
**Number of hours tested:** 24    **Choke size:** 27/64  
**Was swab used during this test?** No    **Oil produced prior to test:** 2839.00

**PRODUCTION DURING TEST PERIOD:**

**Oil (BBLs):** 525.00    **Gas (MCF):** 499  
**Gas - Oil Ratio:** 950    **Flowing Tubing Pressure:** 0.00  
**Water (BBLs):** 4012

**CALCULATED 24-HOUR RATE**

**Oil (BBLs):** 525.0    **Gas (MCF):** 499  
**Oil Gravity - API - 60.:** 44.1    **Casing Pressure:** 2525.00  
**Water (BBLs):** 4012

**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	13 3/8	17 1/2	362			C	350	465.0	SURF ACE	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	5011			C	1102	2436.0	0	Circulated to Surface
3	Intermediate	7	8 3/4	12394			C	843	2083.1	3310	Calculation

**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
1	4 1/2	6 1/8	11617	16881	H	325	806.0	11617	Circulated to Surface

**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.)
1	No	L1 12568	16866.0

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

**Was hydraulic fracturing treatment performed?** Yes

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

**Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:** 9000    **Actual maximum pressure (PSIG) during hydraulic fracturing:** 8900

**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.)
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## 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>
RUSTLER - POSSIBLE FLOW; POSSIBLE USABLE QUALITY W COLBY-QUEEN	Yes	837.0	837.0	Yes	PINCHED-OUT
YATES	No			No	PINCHED-OUT
QUEEN-SEVEN RIVERS	No			No	PINCHED-OUT
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE HOLT	No			No	PINCHED-OUT
DELAWARE	Yes	5125.0	5125.0	Yes	
GLORIETA	No			No	PINCHED-OUT
CLEARFORK	No			No	PINCHED-OUT
WICHITA ALBANY	No			No	PINCHED-OUT
BRUSHY CANYON	Yes	7475.0	7475.0	Yes	
CHERRY CANYON	Yes	6113.0	6113.0	Yes	
CANYON	No			No	WELL NOT DEEP ENOUGH
BONE SPRINGS	Yes	9043.0	9043.0	Yes	
MONTOYA	No			No	WELL NOT DEEP ENOUGH
WADDELL	No			No	WELL NOT DEEP ENOUGH
WOLFCAMP	Yes	11836.0	11836.0	Yes	
ATOKA	No			No	WELL NOT DEEP ENOUGH
STRAWN	No			No	WELL NOT DEEP ENOUGH
PENNSYLVANIAN	No			No	WELL NOT DEEP ENOUGH
MISSISSIPPIAN	No			No	WELL NOT DEEP ENOUGH
DEVONIAN	No			No	WELL NOT DEEP ENOUGH
SILURIAN	No			No	WELL NOT DEEP ENOUGH
FUSSELMAN	No			No	WELL NOT DEEP ENOUGH
ELLENBURGER	No			No	WELL NOT DEEP ENOUGH

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)?

No

Is the completion being downhole commingled (SWR 10)?

No

## REMARKS

KOP: 11605 TVD

## RRC REMARKS

### PUBLIC COMMENTS:

[RRC Staff 2018-06-22 14:20:51.621] EDL=4250 feet, max acres=640, PHANTOM (WOLFCAMP) oil or gas well;

take points: 12568-16866 feet

### CASING RECORD :

### TUBING RECORD:

6 MONTH EXCEPTION REGARDING THE REQUIRMENT OF TUBING

### PRODUCING/INJECTION/DISPOSAL INTERVAL :

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

### POTENTIAL TEST DATA:

## OPERATOR'S CERTIFICATION

**Printed Name:** Meredith Palmer

**Title:** Production Analyst

**Telephone No.:** (903) 561-2900

**Date Certified:** 04/27/2018



# 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: MEWBORNE OIL CO	Operator P-5 No.: 562560
Cementer Name: BJ Services, LLC	Cementer P-5 No.: 403101

### WELL INFORMATION

District No.: 08	County: WINKLER
Well No.: W10180	API No. 42-495-33905   Drilling Permit No.: 829911
Lease Name: UNIVERSITY B20 12	Lease No.:
Field Name: Phantom (W/O/Stamp)	Field No.: 71052900

### I. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Conductor <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production		
Drilled hole size (in.): 17.5	Depth of drilled hole (ft.): 375	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 13.325	Casing weight (lbs/ft) and grade: 54.5# J55	No. of centralizers used: 4
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.): 362	Top of liner (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.): surface	Setting depth liner (ft.):
Cementing date: 11/17/17		

### SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	380	C	SEE REMARKS	465	670
2					
3					
Total					

### 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.) 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? <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/OV 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.) 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? <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

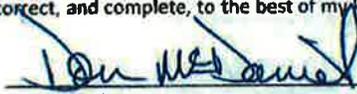
Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

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

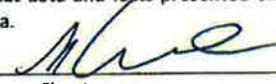
1) C + 1% CA-100

**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.

**DON MCDANIEL SERVICE SUPERVISOR 2** BJ Services, LLC 

Name and title of cementer's representative      Cementing Company      Signature  
 2708 N WEST COUNTY RD, HOBBS, NM, 88240      575-391-0012      11/17/17  
 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.

**Shane Heinze** ENG 

Typed or printed name of operator's representative      Title      Signature  
 4601 Business Park BLVD      Hobbs NM 88240      575-393-5905      11-17-17  
 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](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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## Form W-15

Rev. 08/2014

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

### CEMENTING REPORT

#### OPERATOR INFORMATION

Operator Name: MEWBOURNE	Operator P-5 No.: 542500
Cementer Name: BJ Services, LLC	Cementer P-5 No.: 403101

#### WELL INFORMATION

District No.: 08	County: WINKLER
Well No.: W101B0	API No.: 42-495-33905
Lease Name: University B20 12	Drilling Permit No.: 829911
Field Name: Phantom (Wolfcamp)	Lease No.:
	Field No.: 71052906

#### I. CASING CEMENTING DATA

Type of casing:  Conductor  Surface  Intermediate  Liner  Production

Drilled hole size (in.): 12 1/4"	Depth of drilled hole (ft.): 5025'	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 9 5/8"	Casing weight (lbs/ft) and grade: 40# N80	No. of centralizers used:
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.): 5011'	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 12	Calculated top of cement (ft.): 0'	Cementing date: 11/21/17

#### SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	801	C	SEE REMARKS 1	2171	6832
2	201	C	SEE REMARKS 2	285	847
3					
Total	1102			2436	

#### 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:
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:
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:  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:
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:
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)							

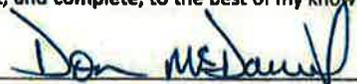
**REMARKS**

1)50:50 poz + 5% ca-200 +.25 lb/sk clc-cpf 2) C + .10% cr-100

**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.

**DON MCDANIEL Service Supervisor 2**

**HOUSTON OIL CENTER TOOLS, LLC**



Name and title of cementer's representative

Cementing Company

Signature

2708 n west county rd Hobbs, NM 88240

575-391-0012

11/21/17

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.

**Levi Jackson**

**Drilling Engineer**



Typed or printed name of operator's representative

Title

Signature

4801 Business Park Blvd

Hobbs NM 88241

575 393-5905

11/22/17

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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- 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?si=R&app=9&p\\_dir=&p\\_floc=&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?si=R&app=9&p_dir=&p_floc=&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  
Austin, Texas 78701-2967

Form W-15

Rev. 08/2014

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

## CEMENTING REPORT

### OPERATOR INFORMATION

Operator Name: Newbourn Oil Company	Operator P-5 No.: 562560
Cementer Name: BJ Services, LLC	Cementer P-5 No.: 403101

### WELL INFORMATION

District No.: 08	County: Winkler	Drilling Permit No.: 829911
Well No.: W101BD	API No.: 42-485-33905	
Lease Name: University B20 12	Lease No.:	
Field Name: Phantom (Wolfcamp)	Field No.: 71652900	

### I. CASING CEMENTING DATA

Type of casing:  Conductor  Surface  Intermediate  Liner  Production

Drilled hole size (in.): 8.75      Depth of drilled hole (ft.): 12,400      Est. % wash-out or hole enlargement: 20%

Size of casing in O.D. (in.): 7"      Casing weight (lbs/ft) and grade: 29# HCP-110      No. of centralizers used: 3

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.): 12,394'      Top of liner (ft.):

Hrs. waiting on cement before drill-out:      Calculated top of cement (ft.): 3,310'      Cementing date: 12/2/2017

### SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	267	C	See Remarks	1,186.5	7,760'
2	176	C	See Remarks	419	2,788.5
3	400	C	See Remarks	497.8	3,310'
Total	843	C	See Remarks	2,083.1	13,858.5

### 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

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:

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					





# RAILROAD COMMISSION OF TEXAS

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

## Form W-15

Rev. 08/2014

### CEMENTING REPORT

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

#### OPERATOR INFORMATION

Operator Name: <b>Mewbourn</b>	Operator P-5 No.: <b>562560</b>
Cementor Name: <b>Par Five Energy Services</b>	Cementor P-5 No.: <b>638840</b>

#### WELL INFORMATION

District No.: <b>09</b>	County: <b>Winkler</b>
Well No.: <b>W101B0</b>	API No.: <b>42-495-33905</b> Drilling Permit No.: <b>829911</b>
Lease Name: <b>University B20 12</b>	Lease No.:
Field Name: <b>Phantom (WOLF CAMP)</b>	Field No.: <b>71052900</b>

#### I. CASING CEMENTING DATA

Type of casing:  Conductor  Surface  Intermediate  Liner  Production

Drilled hole size (in.): **6 1/8** Depth of drilled hole (ft.): **16890** Est. % wash-out or hole enlargement: **20%**

Size of casing in O.D. (in.): **4.5** Casing weight (lbs/ft) and grade: **13.5 P110** No. of centralizers used:

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.): **16881** Top of liner (ft.): **11617**

Setting depth liner (ft.): **16881**

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	325	H	See Remarks	808	8611
2					
3					
<b>Total</b>	<b>325</b>	<b>H</b>		<b>808</b>	<b>8611</b>

#### 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					
<b>Total</b>					

#### 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					
<b>Total</b>					

**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)							

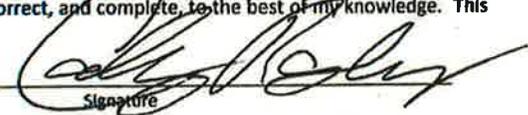
**REMARKS**

50/50 Poz/H + 5% (BWOW) PF44 Ball + 10% PF20 Bentonite + 0.5% PF79 Chemical Extender + 0.35% PF813 Retarder + 0.1% PF153 Antisettling + 3 pps PF42 Kol-Seal + 0.4 pps PF46 Defoamer + 0.125 pps PF20 Cellulose

**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.

**Cody Rasberry Service Supervisor**

**Par-Five Energy Services**



Name and title of cementer's representative

Cementing Company

Signature

11279 Lovington Highway Artesia NM 88210

(575) 748-8610

12-10-17

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.

*Jim Ard*

CONSULTANT



Typed or printed name of operator's representative

Title

Signature

4801 Business PARK Blvd

Hobbs NM 88240

575

343-5905

12 10 17

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.

- 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.
- 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).
- 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&ri=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&ri=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.

CHRISTI CRADDICK, CHAIRMAN  
RYAN SITTON, COMMISSIONER  
WAYNE CHRISTIAN, COMMISSIONER



LORI WROTENBERY  
DIRECTOR, OIL AND GAS DIVISION

D. CRAIG PEARSON  
DISTRICT DIRECTOR

**RAILROAD COMMISSION OF TEXAS**  
**OIL AND GAS DIVISION**

**OPERATOR Name:** MEWBOURNE OIL COMPANY

**RE: Lease:** UNIVERSITY B20 12

**Address1:** BOX 7698

**Well No:** W101BO

**Address2:**

**Sec:** 12                      **Block:** 20

**City:** TYLER

**County:** WINKLER

**State:** TX

**Survey Name:** UL

**SWR13EX Application Number:** 28334

**Drilling Permit No:** 829911

**SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST APPROVED**

An extension to omit the installation of tubing in the above-referenced well is approved for a period of up to 180 days from the date the application was received or the date the well began producing, whichever occurred last.

RRC APPROVAL BY: Wade Goode

DATE: 05/02/2018

D. CRAIG PEARSON  
DISTRICT DIRECTOR

Tracking No.: 190880

*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: MEWBOURNE OIL COMPANY	District No. 08	Completion Date: 02/12/2018
Field Name PHANTOM (WOLFCAMP)	Drilling Permit No. 829911	
Lease Name UNIVERSITY B20 12	Lease/ID No. 48755	Well No. W101BO
County WINKLER	API No. 42- 495-33905	

**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). \_\_\_\_\_

Meredith Palmer  
 \_\_\_\_\_  
 Signature  
 MEWBOURNE OIL COMPANY  
 \_\_\_\_\_  
 Name (print)

Production Analyst  
 \_\_\_\_\_  
 Title  
 (903) 561-2900  
 \_\_\_\_\_  
 Phone  
 04/27/2018  
 \_\_\_\_\_  
 Date

-FOR RAILROAD COMMISSION USE ONLY-



**QES**  
 QES  
 13000 W Hwy 80 E  
 Odessa, TX 79765

**University B20 12W101BO**

**Scale 5":100' - MD**

**12/9/2017 6:39 AM**

**Oper. Company:** Mewbourne Oil  
**Well:** University B20 12W101BO  
**Field:** Wolfcamp  
**Rig:** Patterson 243  
**Well ID:** 42-495-33905  
**Job Number:** WT-171229

**State:** TX  
**County:** Winkler  
**Country:** USA  
**Location:** Winkler Co  
**Start Date:** 11/29/2017 13:30:00  
**End Date:** 12/09/2017 06:30:00

**Latitude:** 31° 44' 45.261N  
**Longitude:** 103° 17' 9.490W

**Elev GL:** 2820  
**Elev DF:** 2849  
**Elev KB:** 2849

**Operator 1:** Bradley Reed

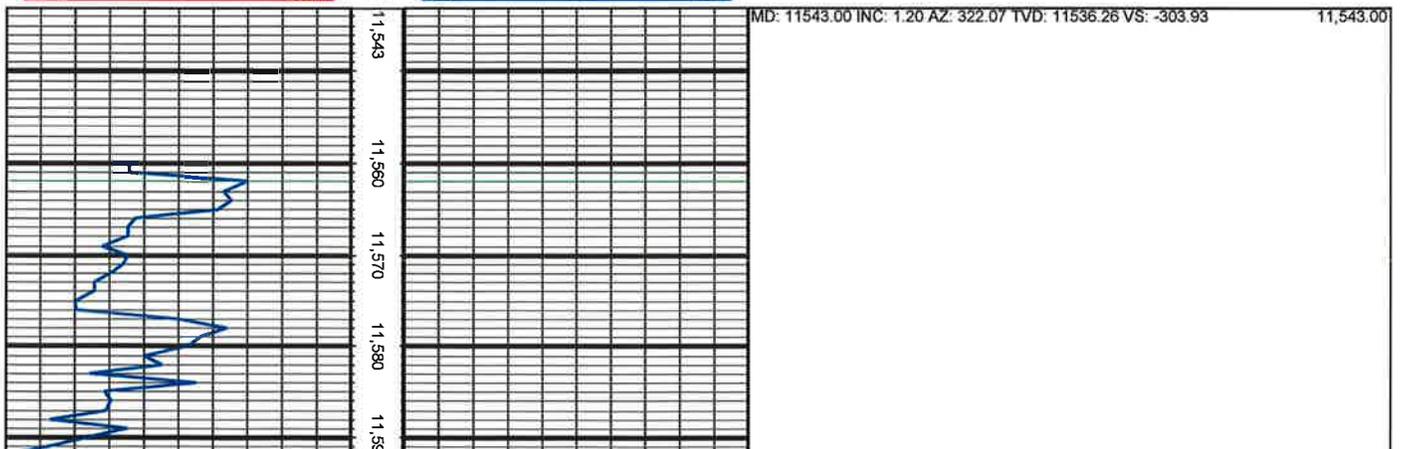
**Operator 2:** Charles Secoy

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	971CBG	2563			
Bit Size	8 3/4	6 1/8			
Cal Factor	3.94	2.31			
Survey Offset	50.00	55.00			
Gamma Offset	38.00	43.00			
Resistivity Offset	0.00	0.00			
Start Depth	11598.00	12400.00			
StartDate	11/29/2017	12/3/2017			
StartTime	13:33	17:00			
EndDepth	12400.00	16890.00			
EndDate	12/1/2017	12/9/2017			
EndTime	18:30	06:30			
Mud Type	WBM	OBM			
Mud Weight	9.5	14.7			
Funnel Viscosity	27	80			
Temperature	145	190			

Hole Data			Casing Data		
Size	From	To	Size	From	To
6 1/8	0.00	16890.00	9.625	0.00	5025.00

*All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.*

0.00 GR(API) 150.00 MD 0.00 ROP(FT/HR) 200.00 Surveys (MD/INC/AZ/TVD/VS)  
 150.00 2 300.00 FT 200.00 2 400.00



**CERTIFICATE OF COMPLIANCE  
 AND TRANSPORTATION AUTHORITY**

This facsimile P-4 was generated electronically from data submitted to the RRC.  
 A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 190880

1. Field name exactly as shown on proration schedule <b>PHANTOM (WOLFCAMP)</b>		2. Lease name as shown on proration schedule <b>UNIVERSITY B20 12</b>					
3. Current operator name exactly as shown on P-5 Organization Report <b>MEWBOURNE OIL COMPANY</b>		4. Operator P-5 no. <b>562560</b>	5. Oil Lse/Gas ID no <b>48755</b>	6. County <b>WINKLER</b>	7. RRC district <b>08</b>		
8. Operator address including city, state, and zip code <b>BOX 7698                  TYLER, TX 75711</b>		9. Well no(s) (see instruction E) <b>W101BO</b>			11. Effective Date <b>02/12/2018</b>		
10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)							
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G) <b>a. Change of:</b> <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from _____ <input type="checkbox"/> lease name from _____ ----- <b>OR</b> <b>b. New RRC Number for:</b> <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____ <b>Due to:</b> <input checked="" type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)							
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).							
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left <i>(Attach an additional sheet in same format if more space is needed)</i>			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	TARGA DELAWARE LLC(836022)			0001	100.0	
14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).							
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First <i>(Attach an additional sheet in same format if more space is needed)</i>						Percent of Take	
PLAINS PIPELINE L.P.(667884)						34.0	
EASTEX CRUDE COMPANY(239232)						33.0	
SHELL TRADING (US) COMPANY(774715)						33.0	
<b>RRC USE ONLY:</b> Reviewer's initials: <u>RRC Staff</u> Approval date: <u>06/25/2018</u>							
<b>15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING.</b> Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.							
Name of Previous Operator				Signature			
Name (print)				<input type="checkbox"/> <b>Authorized Employee of previous operator</b>		<input type="checkbox"/> <b>Authorized agent of previous operator (see instruction G)</b>	
Title				Date		Phone with area code	
<b>16. CURRENT OPERATOR CERTIFICATION.</b> By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.							
MEWBOURNE OIL COMPANY				Meredith Palmer			
Name (print)				Signature			
Production Analyst				<input checked="" type="checkbox"/> <b>Authorized Employee of current operator</b>		<input type="checkbox"/> <b>Authorized agent of current operator (see instruction G)</b>	
Title				Date		Phone with area code	
mpalmer@mewbourne.com				04/27/2018		(903) 561-2900	
E-mail Address (optional)				Date		Phone with area code	



RAILROAD COMMISSION OF TEXAS

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

Form P-16

Page 1

Rev. 01/2016

Acreege Designation

SECTION I. OPERATOR INFORMATION

Operator Name: MEWBOURNE OIL COMPANY
Operator P-5 No.: 562560
Operator Address: BOX 7698, TYLER, TX 75711

SECTION II. WELL INFORMATION

District No.: 08
Well No.: W101BO
Total Lease Acres: 320.7
Lease Name: UNIVERSITY B20 12
Field Name: PHANTOM (WOLFCAMP)
County: WINKLER
API No.: 42-495-33905
Drilling Permit No.: 829911
Lease No.:
Field No.: 71052900
Purpose of Filing:
[ ] Drilling Permit Application (Form W-1)
[ ] Completion Report (Form G-1/W-2)

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below.

SECTION III. LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREEGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER

Table with 8 columns: RRC ID No. or Lease No., Well No., H-Horizontal D-Directional V-Vertical, Lease Name, API No., Acres Assigned, SWR 38 Except. (Y/N), Operator Name and Operator No. (if different from filing operator). Contains 2 rows of well data.

Summary table for Section III: Total Well Count > 2, 320.7, 0, 0, 0. A. Total Assigned Horiz. Acreege 320.7, C. Total Assigned Acreege. B. Total Assigned Vert./Dir. Acreege 0, Total Remaining Acreege.

SECTION IV. REMARKS / PURPOSE OF FILING (see instructions)

Empty box for Remarks / Purpose of Filing.

Attach Additional Pages As Needed. [ ] No additional pages [ ] Additional Pages: \_\_\_\_ (No. of additional pages)

CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that this report was prepared by me or under my supervision or direction, that I am authorized to make this report, and that the information contained in this report is true, correct, and complete to the best of my knowledge.

Signature: Meredith Palmer
Name and title: Meredith Palmer-Production Analyst
Email: (include email address only if you affirmatively consent to its public release)
Address: Box 7698, Tyler, TX 75711
Tel: 903 561-2900
Date: 05/01/2018

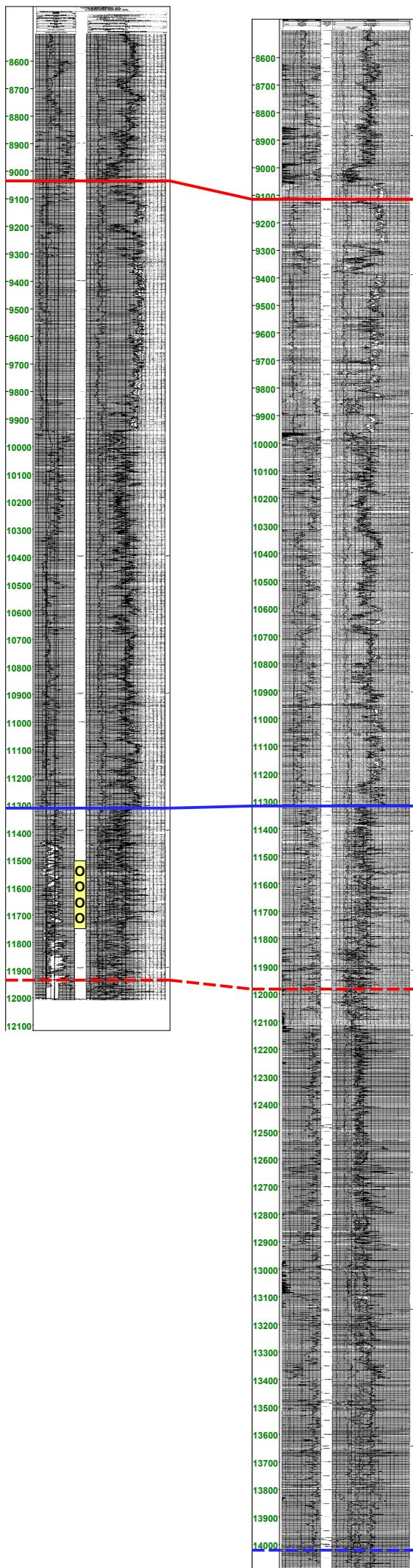
Mewbourne Oil Company  
University B20 12 #W101BO  
Top Perf Point

C

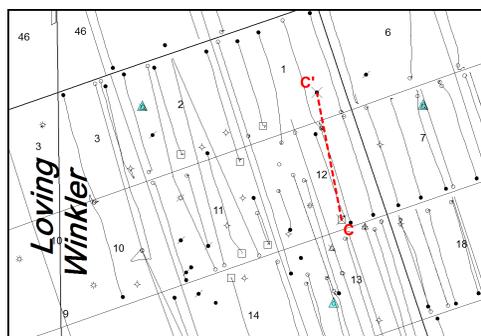
424953323900 6162 ft 424953285900  
CIMAREX ENERGY CO  
CIMAREX UNIVERSITY 1H  
467 FS/2174 FE  
Survey: UNIVERSITY LANDS - Abs: U013 - Blk: 20 - Section: 12  
Ground=2812.00  
Reference=KB  
Datum=2837.00  
TD=12120.00

BROWN H L OPERATING LLC  
UNIVERSITY 20-1 1  
1320 FS/1320 FE  
Survey: UNIVERSITY LANDS - Abs: - Blk: 20 - Section: 1  
Ground=2823.00  
Reference=KB  
Datum=2849.00  
TD=14100.00

C'



**Top of Two Georges Field**



**Top of Phantom Field**

**Base of Two Georges Field**

**Mewbourne Oil Co  
University B20 12 #W101BO  
Top Perf Point**

**Base of Phantom Field**

**GROUNDWATER PROTECTION DETERMINATION**

Form GW-2



**Groundwater Advisory Unit**

**Date Issued:** 25 August 2015

**GAU Number:** 14058

**Attention:** MEWBOURNE OIL COMPANY  
 BOX 7698  
 TYLER, TX 75711

**API Number:**  
**County:** WINKLER  
**Lease Name:** University B20 12

**Operator No.:** 562560

**Lease Number:**  
**Well Number:** W101AP  
**Total Vertical Depth:** 12500  
**Latitude:** 31.747493  
**Longitude:** -103.282321  
**Datum:** NAD27

**Purpose:** New Drill

**Location:** Survey-UL; Abstract-U13; Block-20; Section-12

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 325 feet must be protected.

This recommendation is applicable for all wells drilled in this Section 12 on this Lease.

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 08/25/2015. 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

