RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 08/03/2018
Tracking No.: 192486

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.: 42-495-33990 **County:** WINKLER
Well No.: W101PA **RRC District No.:** 08
Lease Name: UNIVERSITY B21 5 **Field Name:** PHANTOM (WOLFCAMP)
RRC Lease No.: 47510 **Field No.:** 71052900
Location: Section: 5, Block: 21, Survey: UL, Abstract: U45

Latitude: 31 **Longitude:** -103
This well is located 5.5 **miles in a** NW **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:** 04/02/2018

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen	11/20/2017	833161
Rule 37 Exception		
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 01/27/2018 **Date of first production after rig released:** 04/02/2018
Date plug back, deepening, recompletion, or drilling operation commenced: 01/27/2018 **Date plug back, deepening, recompletion, or drilling operation ended:** 02/24/2018
Number of producing wells on this lease in this field (reservoir) including this well: 4 **Distance to nearest well in lease & reservoir (ft.):** 719.0
Total number of acres in lease: 641.30 **Elevation (ft.):** 2856 GL
Total depth TVD (ft.): 12150 **Total depth MD (ft.):** 16970
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):** 67.0
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: 180.0 **Feet from the** South **Line and** 1500.0 **Feet from the** East **Line of the** UNIVERSITY B21 5 **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.):** 400.0 **Date:** 11/09/2017

SWR 13 Exception **Depth (ft.):**

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 04/05/2018 **Production method:** Flowing

Number of hours tested: 24 **Choke size:** 20/64"

Was swab used during this test? No **Oil produced prior to test:** 663.00

PRODUCTION DURING TEST PERIOD:

Oil (BBLS): 760.00 **Gas (MCF):** 658

Gas - Oil Ratio: 865 **Flowing Tubing Pressure:** 0.00

Water (BBLS): 3265

CALCULATED 24-HOUR RATE

Oil (BBLS): 760.0 **Gas (MCF):** 658

Oil Gravity - API - 60.: 42.7 **Casing Pressure:** 3300.00

Water (BBLS): 3265

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	13 3/8	17 1/2	403			C	450	603.0	SURFACE	Circulated to Surface
2	Intermediate	9 5/8	12 1 /4	5109			50/50 POZ C/C	1200	2734.0	0	Circulated to Surface
3	Intermediate	7	8 3/4	12116			PVL/POZ/ H/H	775	1708.2	1099	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	11595	16964	50/50 POZ	325	804.0	11595	Calculation

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 12133	16949.0

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: 8980

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	FRACED WITH 13282030 GALS SLICKWATER CARRYING 13319090# LOCAL PERMIAN 100 MESH SAND	12133	16949

FORMATION RECORD

Formations	Encountered	Depth TVD (ft.)	Depth MD (ft.)	Is formation isolated?	Remarks
RUSTLER - POSSIBLE FLOW; POSSIBLE USABLE QUALITY W	Yes	889.0	889.0	Yes	
COLBY-QUEEN	No			No	PINCHED-OUT
YATES	No			No	PINCHED-OUT
QUEEN-SEVEN RIVERS	No			No	PINCHED-OUT
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE	No			No	PINCHED-OUT
HOLT	No			No	PINCHED-OUT
DELAWARE	Yes	5230.0	5230.0	Yes	
GLORIETA	No			No	PINCHED-OUT
CLEARFORK	No			No	PINCHED-OUT
WICHITA ALBANY	No			No	PINCHED-OUT
BRUSHY CANYON	Yes	7574.0	7574.0	Yes	
CHERRY CANYON	Yes	6270.0	6270.0	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	11873.0	11873.0	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 11545 TVD

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2018-08-03 10:35:41.488] EDL=4800 feet, max acres=704, PHANTOM (WOLFCAMP) oil or gas well;

take points: 12133-16949 feet

CASING RECORD :

TUBING RECORD:

6 MONTH EXCEPTION REGARDING THE REQUIREMENT 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:** 05/24/2018

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: MEWBOURNE OIL	Operator P-5 No.: 562560
Cementer Name: Par Five Energy Services	Cementer P-5 No.: 638840

WELL INFORMATION

District No.: 08	County: WINKLER
Well No.: W101PA	API No.: 42-495-33840 Drilling Permit No.: 833161
Lease Name: UNIVERSITY 821 5	Lease No.: [redacted]
Field Name: Phantom (Wolfcamp)	Field No.: 71052900

I. CASING CEMENTING DATA

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

Drilled hole size (in.): 17.5"	Depth of drilled hole (ft.): 420	Est. % wash-out or hole enlargement: 20%
Size of casing in O.D. (in.): 13.375"	Casing weight (lbs/ft) and grade: 54.5# J55	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.): 403'	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 12	Calculated top of cement (ft.): 0'	Cementing date: 1-27-18

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	450	C	2% CALCIUM	603	3837.8
2					
3					
Total	450	c	2% calcium	603	3837.8

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

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.

TRAVIS KELSEY (SERVICE SUPERVISOR) — Name and title of cementer's representative
Par-Five Energy Services — Cementing Company
Signature
11279 Lovington Highway Artesia NM 88210 — Address: City, State, Zip Code
(575) 748-8610 — Tel: Area Code Number
1/27/2018 — 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 — Typed or printed name of operator's representative
Engineer — Title
Signature
4801 Business Park Blvd — Address
Hobbs NM 88240 — City, State, Zip Code
575-393-5905 — Tel: Area Code Number
1-27-18 — 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
Austin, Texas 78701-2967

CEMENTING REPORT

Form W-15
Rev. 08/2011

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

OPERATOR INFORMATION

Operator Name: Westbourne Oil Company — Operator P-5 No.: 562560
Cementer Name: Par Five Energy Services — Cementer P-5 No.: 638640

WELL INFORMATION

District No.: 08 — County: Winkler
Well No.: W201PA — API No.: 42-495-33990 — Drilling Permit No.: 833161
Lease Name: University B215 — Lease No.:
Field Name: PHANTOM (WOLFCAMP) — Field No.: 71052900

CASING CEMENTING DATA

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

Drilled hole size (in.): 12 1/4 — Depth of drilled hole (ft.): 5125 — 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: 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.): 5109 — Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: 8 — Calculated top of cement (ft.): SURFACE -0' — Cementing date: 2/2018

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1000	50/50 POZ		2470	4332
2	200	C		264	777
3					
Total	1200			2734	5109

CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement shoe ☐ Multiple parallel strings

Drilled hole size (in.):
Size of casing in O.D. (in.):
Depth of drilled hole (ft.):
Casing weight (lbs/ft) and grade:
Est. % wash-out or hole enlargement:
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					

CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement/DV tool ☐ Multiple parallel strings

Drilled hole size (in.):
Size of casing in O.D. (in.):
Depth of drilled hole (ft.):
Casing weight (lbs/ft) and grade:
Est. % wash-out or hole enlargement:
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

"50/50 Poz/C + 5% (BWOW) PF44 Salt + 10% PF 20 Bentonite + 3 pps PF42 Kool-Seal + 0.4 pps PF 45 Defoamer + 0.125 pps PF29 Cellophane"

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.

JASON AHLIN, SERVICE SUPERVISOR — Name and title of cementer's representative

Par-Five Energy Services — Cementing Company

Signature

11279 Lovington Highway Artesia NM 88210 — Address: City, State, Zip Code

(575) 748-8610 — Tel: Area Code Number

2/2/2018 — 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 — Typed or printed name of operator's representative

Consultant — Title

Signature

4801 Business Park Blvd — Address

Hobbs, NM 88240 — City, State, Zip Code

575-393-5905 — Tel: Area Code Number

2-2-18 — 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-3A (Application for Multiple Completion), any time cement is pumped in a wellbore.

A. **What to file:** An operator should file on or prior 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 the 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 the 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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CEMENTING REPORT

Form W-15
Rev. 08/2014

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

OPERATOR INFORMATION

Operator Name: MEWBOURNE OIL COMPANY	**Operator P-5 No.:** 562560
Cementer Name: Par Five Energy Services	**Cementer P-5 No.:** 638840

WELL INFORMATION

District No.: 08	**County:** WINKLER	
Well No.: W101PA	**API No.:** 42-495-33990	**Drilling Permit No.:** 833161
Lease Name: UNIVERSITY B21 5	**Lease No.:**	
Field Name: Phantom (Wolfcamp)	**Field No.:** 71052900	

I. CASING CEMENTING DATA

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

Drilled hole size (in.): 8 3/4	**Depth of drilled hole (ft.):** 12130	**Est. % wash-out or hole enlargement:** 20%
Size of casing in O.D. (in.): 7	**Casing weight (lbs/ft) and grade:** 29, P110	**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.):** 12116'	**Top of liner (ft.):**
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:	**Calculated top of cement (ft.):** 1099	**Cementing date:** 2/14/2018

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	200	PVL	REMARKS	804	5127
2	176	POZ/H	REMARKS	432.25	2835
3	400	H	2%VF13 RETARDER+ 3%VF606 FLUIDLOSS	472	3089
Total	776			1708.25	11031

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

BLEND1:PVL+1 [illegible]

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.

DANIEL MORENO,SERVICE SUPERVISOR | Par-Five Energy Services | [signature]

Name and title of cementer's representative | Cementing Company | Signature

11279 Lovington Highway Artesia NM 88210 | (575) 748-8610 | 2/14/2018

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 | Engineer | [signature]

Typed or printed name of operator's representative | Title | Signature

4501 Business Park Blvd | Hobbs | NM | 88240 | 575-393-5905 | 2-15-18

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
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: Newbourne Oil	Operator P-5 No.: 562560
Cementer Name: Par Five Energy Services	Cementer P-5 No.: 638840

WELL INFORMATION

District No.: 08	County: Winkler	
Well No.: W101PA	API No.: 42-495-33990	Drilling Permit No.: 833161
Lease Name: University 8-21 S	Lease No.:	
Field Name: Phantom (Wolfcamp)	Field No.: 71052900	

I. CASING CEMENTING DATA

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

Drilled hole size (in.): 6.125"	Depth of drilled hole (ft.): 16,970	Est. % wash-out or hole enlargement: 20%	
Size of casing in O.D. (in.): 4.5"	Casing weight (lbs/ft) and grade: 13.5# HCP110	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.): 16964'	Top of liner (ft.): 11595'	
		Setting depth liner (ft.): 16964'	
Hrs. waiting on cement before drill-out: 24	Calculated top of cement (ft.): 11595'	Cementing date: 2-23-18	

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	325	50/50 POZ	SEE REMARKS	804	8571
2					
3					
Total					

II. CASING CEMENTING DATA

Type of casing: ☐ Surface ☐ Intermediate ☐ Production ☐ Tapered production ☐ Multi-stage cement shoe ☐ Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) 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

50/50 Poz/H + 5% (BWOW) PF44 Salt + 10% PF20 Bentonite + 0.5% PF79 Chemical Extender + 0.4% PF813 Retarder + 0.1% PF153 Antisettling Agent + 3 pps PF42 Kol-Seal + 0.4 pps PF45 Defoamer + 0.125 pps PF29 Cellophane

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.

IVAN GARCIA SERVICE SUPERVISOR | Par-Five Energy Services | [signature]

Name and title of cementer's representative | Cementing Company | Signature

11279 Lovington Highway Artesia NM 88210 | (575) 748-8610 | FEB 23 2018

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 Heintz | Engineer | [signature]

Typed or printed name of operator's representative | Title | Signature

4801 Business Park Blvd | Hobbs NM 88240 | 575-393-5905 | FEB 23 2018

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.

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
Address1: BOX 7698
Address2:
City: TYLER
State: TX

RE: Lease: UNIVERSITY B21 5
Well No: W101PA
Sec: 5 **Block:** 21
County: WINKLER
Survey Name: UL

SWR13EX Application Number: 29831

Drilling Permit No: 833161

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: Erik Hanson

DATE: 05/22/2018

D. CRAIG PEARSON
DISTRICT DIRECTOR

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

ELECTRIC LOG STATUS REPORT

FORM L-1

Tracking No.: 192486

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: 04/02/2018
Field Name PHANTOM (WOLFCAMP)	Drilling Permit No. 833161	
Lease Name UNIVERSITY B21 5	Lease/ID No. 47510	Well No. W101PA
County WINKLER	API No. **42-** 495-33990	

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	Production Analyst Title
MEWBOURNE OIL COMPANY Name (print)	(903) 561-2900 Phone 05/16/2018 Date

-FOR RAILROAD COMMISSION USE ONLY-

QES

QES
13000 W Hwy 80 E
Odessa, TX 79765

University B21 5W101PA
Scale 5":100' - MD
2/21/2018 3:08 AM

Oper. Company: Mewbourne Oil
Well: University B21 5W101PA
Field: Wolfcamp
Rig: Patterson 243
Well ID: 42-495-33990
Job Number: WT-180106

State: TX
County: Winkler
Country: USA
Location: Winkler Co.
Start Date: 02/11/2018 12:00:00
End Date: 02/21/2018 03:00:00

Latitude: 31° 45' 23.230 N
Longitude: 103° 15' 12.530 W

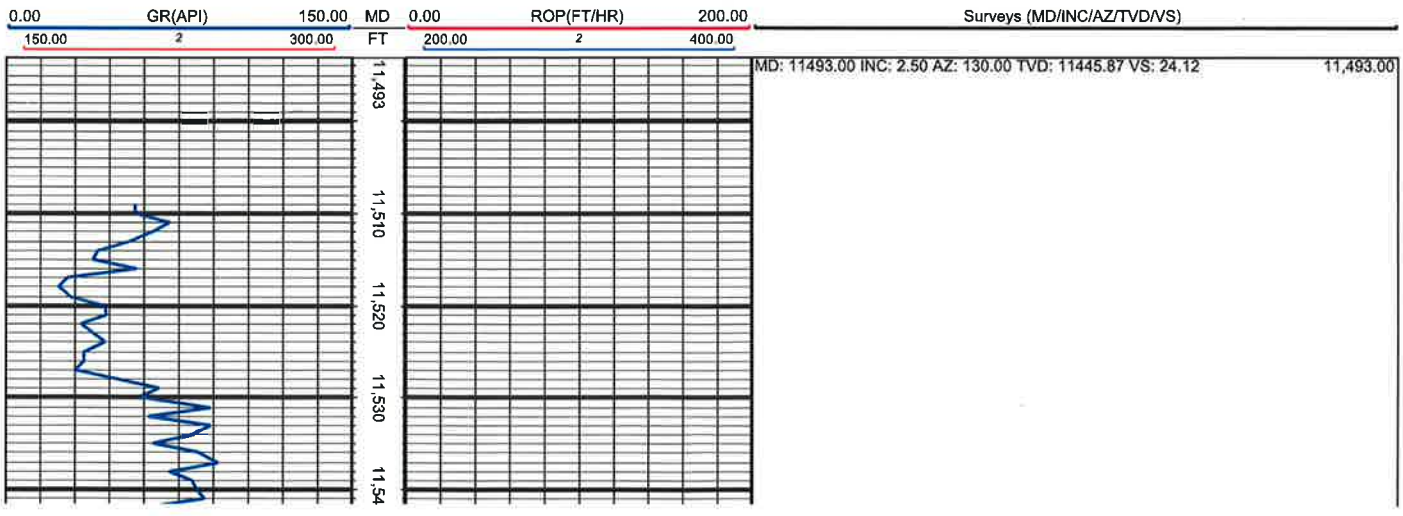
Elev GL: 2856
Elev DF: 2885
Elev KB: 2885

Operator 1: Bradley Reed

Operator 2: Beau Shelton

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	2433				
Bit Size	6 1/8				
Cal Factor	1.6				
Survey Offset	55.00				
Gamma Offset	43.00				
Resistivity Offset	0.00				
Start Depth	11584.00				
StartDate	2/11/2018				
StartTime	12:00				
EndDepth	16970.00				
EndDate	2/21/2018				
EndTime	03:00				
Mud Type	OBM				
Mud Weight	14.1				
Funnel Viscosity	84				
Temperature	190				

Hole Data			Casing Data		
Size	From	To	Size	From	To
6 1/8	0.00	16970.00	7	0.00	12130.00



RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
PO Box 12967
Austin TX 78711-2967
www.rrc.texas.gov

CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

P-4

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.: 192486

1. Field name exactly as shown on proration schedule	2. Lease name as shown on proration schedule			
PHANTOM (WOLFCAMP)	UNIVERSITY B21 5			
3. Current operator name exactly as shown on P-5 Organization Report	4. Operator P-5 no.	5. Oil Lse/Gas ID no	6. County	7. RRC district
MEWBOURNE OIL COMPANY	562560	47510	WINKLER	08
8. Operator address including city, state, and zip code	9. Well no(s) *(see instruction E)*			
BOX 7698 TYLER, TX 75711	W101PA			
	10. Classification ☒ Oil ☐ Gas ☐ Other *(see instruction A)*		11. Effective Date	04/02/2018

12. Purpose of Filing. (Complete section a or b below.) *(See instructions B and G)*

a. Change of: ☐ operator ☐ oil or condensate gatherer ☐ gas gatherer ☐ gas purchaser ☐ gas purchaser system code
☐ field name from _____
☐ lease name from _____

OR

b. New RRC Number for: ☒ oil lease ☐ gas well ☐ other well (specify) _____ **Due to:** ☒ new completion or recompletion ☐ reclass oil to gas ☐ reclass gas to oil ☐ 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 *(Attach an additional sheet in same format if more space is needed)*	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 *(Attach an additional sheet in same format if more space is needed)*	Percent of Take
PLAINS PIPELINE L.P.(667884)	34.0
EASTEX CRUDE COMPANY(239232)	33.0
SHELL TRADING (US) COMPANY(774715)	33.0

RRC USE ONLY: Reviewer's initials: RRC Staff Approval date: 08/03/2018

15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. 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)

☐ **Authorized Employee of previous operator**

☐ **Authorized agent of previous operator** *(see instruction G)*

Title

Date

Phone with area code

16. CURRENT OPERATOR CERTIFICATION. 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
Name (print)

Meredith Palmer
Signature

Production Analyst
Title

☒ **Authorized Employee of current operator**

☐ **Authorized agent of current operator** *(see instruction G)*

mpalmer@mewbourne.com
E-mail Address (optional)

05/16/2018
Date

(903) 561-2900
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

Acreage 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	**County:** WINKLER	**Purpose of Filing:**
Well No.: W101PA	**API No.:** 42-495-33990	☐ Drilling Permit Application (Form W-1)
Total Lease Acres: 641.3	**Drilling Permit No.:** 833161	■ Completion Report (Form G-1/W-2)
Lease Name: UNIVERSITY B21 5	**Lease No.:**	
Field Name: PHANTOM (WOLFCAMP)	**Field No.:** 71052900	

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. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

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

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)
47510	W101MD	H	UNIVERSITY B21 5	42-495-33589	160.5	N	
47510	W101NC	H	UNIVERSITY B21 5	42-495-33703	160.5	N	
PENDING	W101OB	H	UNIVERSITY B21 5	42-495-33966	160.3	N	
PENDING	W101PA	H	UNIVERSITY B21 5	42-495-33990	160	N	

Total Well Count >	4	641.3	**< A. Total Assigned Horiz. Acreage**	641.3	**< C. Total Assigned Acreage**
		0	**< Total Remaining Horiz. Acreage**	0	**< Total Remaining Acreage**
		0	**< B. Total Assigned Vert./Dir. Acreage**		
		0	**< Total Remaining Vert./Dir. Acreage**		

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

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	Name and title (type or print)	Email (include email address *only* if you affirmatively consent to its public release)
Meredith Palmer	Meredith Palmer-Production Analyst	

Address	City,	State,	Zip Code	Tel: Area Code	Number	Date: mo. day yr.
Box 7698	Tyler	TX	75711	903	561-2900	05/24/2018

GROU...WATER PROTECTION DETERMINATIO.

Form GW-2

Groundwater Advisory Unit

Date Issued:	09 November 2017	**GAU Number:**	183417

Attention:	MEWBOURNE OIL COMPANY BOX 7698 TYLER, TX 75711	**API Number:**	49533966
		County:	WINKLER
		Lease Name:	UNIVERSITY B21 5
		Lease Number:	
Operator No.:	562560	**Well Number:**	W101OB
		Total Vertical Depth:	12300
		Latitude:	31.756410
		Longitude:	-103.253633
		Datum:	NAD27

Purpose: New Drill

Location: Survey-UL; Abstract-U45; Block-21; Section-5

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

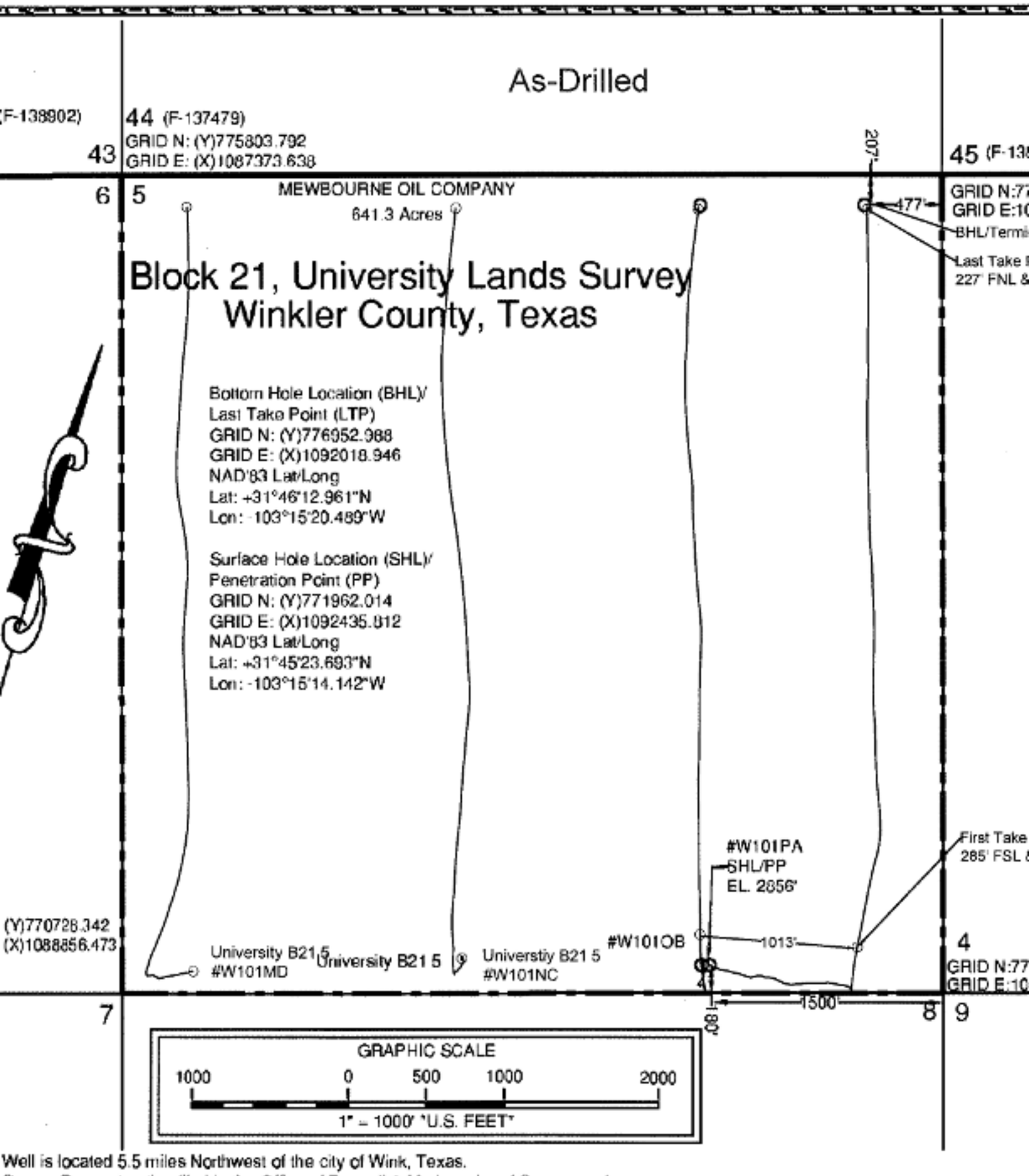
The interval from the land surface to the base of the Alluvium, which is estimated to occur at a depth of 400 feet, must be protected.

This recommendation is applicable to all wells within a radius of 1000 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 11/07/2017. 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



Well is located 5.5 miles Northwest of the city of Wink, Texas.
Survey Reconstruction filed in the Office of Pennell & Marlowe Land Surveyors, Inc.
Coordinates shown herein are on The Texas Coordinate System of 1927, Central Zone.
Bearings and distances are based on The Texas Coordinate System of 1927, Central Zone.
Example: (S-99999) indicates General Land Office file number.

Revised 10/04/2017 - SPM
USGS Quadrangle Sheet: Cheyenne Draw S
Railroad Commission Permit Plat

PENNELL & MARLOWE
RESIDENTIAL, OILFIELD & LAND SURVEYORS, INC.
ALL TYPES OF SURVEYS

STATE OF TEXAS
REGISTERED
STEPHEN P. MARLOWE
5715
PROFESSIONAL
LAND SURVEYOR

Stephen P. Marlowe
ERED PROFESSIONAL LAND SURVEYOR NO. 5715

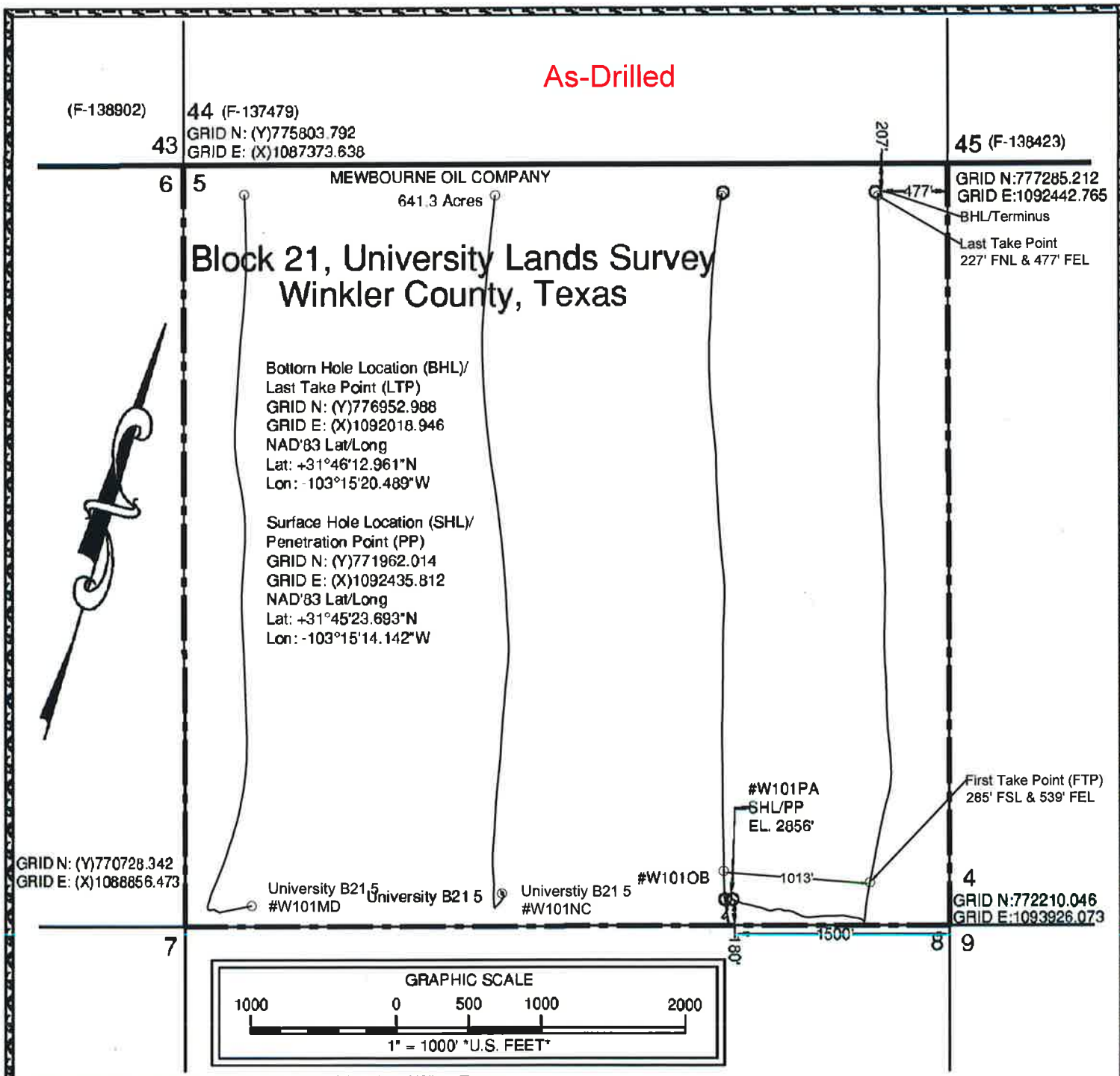
August 23, 2017
170823JR1-BCL

x 51887, Midland, Texas, 79710 (432) 262-0901 Fax (432) 262-0679

MEWBOURNE OIL COMPANY
University B21 5 #W101PA
180' FROM SOUTH LINE
1500' FROM EAST LINE
University B21 5 Lease
641.3 Acres being all of
Section 5, Block 21
Public School Land Survey
Winkler County, Texas

Scale: 1" = 1000'

As-Drilled



Note: Well is located 5.5 miles Northwest of the city of Wink, Texas.
Note: Survey Reconstruction filed in the Office of Pennell & Marlowe Land Surveyors, Inc.
Note: Coordinates shown herein are on The Texas Coordinate System of 1927, Central Zone.
Note: Bearings and distances are based on The Texas Coordinate System of 1927, Central Zone.
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Revised 10/04/2017 - SPM
USGS Quadrangle Sheet: Cheyenne Draw SE, Tex.

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