



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 01/04/2017
Tracking No.: 161854

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

OPERATOR INFORMATION

Operator Name: OPUS OPERATING II LLC Operator No.: 625171
Operator Address: PO BOX 11403 MIDLAND, TX 79702-0000

WELL INFORMATION

API No.: 42-461-40161 County: UPTON
Well No.: 1 RRC District No.: 7C
Lease Name: UNIVERSITY TAYLOR DRAW 30 Field Name: SHEEP MOUNTAIN (CONSOLIDATED)
RRC Lease No.: 19410 Field No.: 82857300
Location: Section: 30, Block: 4, Survey: UL, Abstract: U66
Latitude: 31.15450 Longitude: -101.78924
This well is located 19.5 miles in a SW direction from BIG LAKE, 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: 08/09/2016
Type of Permit Date Permit No.
Permit to Drill, Plug Back, or Deepen 02/19/2016 808681
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION

Spud date: 05/01/2016 Date of first production after rig released: 08/09/2016
Date plug back, deepening, recompletion, or drilling operation commenced: 04/29/2016 Date plug back, deepening, recompletion, or drilling operation ended: 05/15/2016
Number of producing wells on this lease in this field (reservoir) including this well: 1 Distance to nearest well in lease & reservoir (ft.): 0.0
Total number of acres in lease: 492.10 Elevation (ft.): 2748 GL
Total depth TVD (ft.): 10480 Total depth MD (ft.):
Plug back depth TVD (ft.): 10379 Plug back depth MD (ft.):
Was directional survey made other than inclination (Form W-12)? No Rotation time within surface casing (hours): 4.0
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No Multiple completion? No
Type(s) of electric or other log(s) run: Other
Electric Log Other Description: LITHO DENSITY COMPENSATED NEUTRON LOG
Location of well, relative to nearest lease boundaries Off Lease : No
of lease on which this well is located: 1320.0 Feet from the North Line and
600.0 Feet from the West Line of the
UNIVERSITY TAYLOR DRAW 30 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.):** 700.0 **Date:** 07/24/2015
SWR 13 Exception **Depth (ft.):**

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 08/23/2016 **Production method:** Pumping
Number of hours tested: 24 **Choke size:**
Was swab used during this test? No **Oil produced prior to test:** 3987.51

PRODUCTION DURING TEST PERIOD:

Oil (BBLs): 476.10 **Gas (MCF):** 393
Gas - Oil Ratio: 825 **Flowing Tubing Pressure:**
Water (BBLs): 210

CALCULATED 24-HOUR RATE

Oil (BBLs): 476.1 **Gas (MCF):** 393
Oil Gravity - API - 60.: 40.0 **Casing Pressure:**
Water (BBLs): 210

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 | 828 | | | PREMIUM PLUS | 845 | 1319.0 | 0 | Temperature Survey |
| 2 | Intermediate | 8 5/8 | 11 | 4320 | | | 50/50 PREMIUM PLUS | 2460 | 5704.0 | 0 | Circulated to Surface |
| 3 | Conventional Production | 5 1/2 | 7 7/8 | 10480 | | | 50/50 POZ PREMIUM | 1360 | 2526.6 | 3342 | Cement Evaluation Log |

LINER RECORD

| Row | Liner Size (in.) | Hole Size (in.) | Liner Top (ft.) | Liner Bottom (ft.) | Cement Class | Cement Amount (sacks) | Slurry Volume (cu. ft.) | Top of Cement (ft.) | TOC Determined By |
|-----|------------------|-----------------|-----------------|--------------------|--------------|-----------------------|-------------------------|---------------------|-------------------|
| N/A | | | | | | | | | |

TUBING RECORD

| Row | Size (in.) | Depth Size (ft.) | Packer Depth (ft.)/Type |
|-----|------------|------------------|-------------------------|
| 1 | 2 7/8 | 7694 | / |

PRODUCING/INJECTION/DISPOSAL INTERVAL

| Row | Open hole? | From (ft.) | To (ft.) |
|-----|------------|------------|----------|
| 1 | No | L 7860 | 9555.0 |
| 2 | No | L 9646 | 9785.0 |
| 3 | No | L 10010 | 10080.0 |

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: 6203

Actual maximum pressure (PSIG) during hydraulic fracturing: 6350

Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)? Yes

| <u>Row</u> | <u>Type of Operation</u> | <u>Amount and Kind of Material Used</u> | <u>Depth Interval (ft.)</u> | |
|------------|--------------------------|---|-----------------------------|-------|
| 1 | Fracture | 1,438,840# SAND; 38,587 GALS HC-15 | 7860 | 10080 |

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> |
|-----------------------------|--------------------|------------------------|-----------------------|-------------------------------|----------------|
| YATES | Yes | 1100.0 | | Yes | |
| GRAYBURG | Yes | 1600.0 | | Yes | |
| SAN ANDRES - SALTWATER FLOW | Yes | 2500.0 | | Yes | |
| SPRABERRY | Yes | 6690.0 | | Yes | |
| LOWER SPRABERRY | Yes | 7180.0 | | Yes | |
| DEAN | Yes | 7530.0 | | Yes | |
| WOLFCAMP | Yes | 7670.0 | | Yes | |
| WOLFCAMP B | Yes | 8000.0 | | Yes | |
| WOLFCAMP C | Yes | 8390.0 | | Yes | |
| WOLFCAMP D | Yes | 8750.0 | | Yes | |
| LOWER WOLFCAMP | Yes | 9000.0 | | Yes | |
| STRAWN | Yes | 9318.0 | | Yes | |
| PENN | Yes | 9510.0 | | Yes | |
| TOKEEN MISS | Yes | 9646.0 | | Yes | |
| DEVONIAN | Yes | 10010.0 | | Yes | |
| WOODFORD | Yes | 10023.0 | | Yes | |
| FUSSELMAN | No | | | No | TVD = 10465 |
| ELLENBURGER | No | | | No | TVD = 10465 |

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

SWR10 EXCEPTION APPROVED 11/14/16.

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

TEMPERATURE SURVEY RAN AFTER 4 HRS AFTER PRIMARY SURFACE CEMENTING. TOC DECLARED AT 245'.
TOPPED OUT W/ 130 SACKS CEMENT.

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

7860-9555 SHEEP MTN; 9646-9785 TOOKEN MISS; 10010-10080 BLK 4 DEVONIAN.

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

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed Name: Connie Swan

Title:

Telephone No.: (918) 621-6533

Date Certified: 12/09/2016



RAILROAD COMMISSION OF TEXAS

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

Tr# 161854

Form W-15

Rev. 08/2014

CEMENTING REPORT

Cementer: Fill in shaded areas.

Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: Opus Operating II Operator P-5 No.: 625171
Cementer Name: Universal Pressure Pumping Inc. Cementer P-5 No.: 878392

WELL INFORMATION

District No.: 7C County: Upton
Well No.: 1 API No.: 42-461-40161 Drilling Permit No.: 808681
Lease Name: University Taylor Draw 30 Lease No.:
Field Name: SHEEP MOUNTAIN (CONSOLIDATED) Field No.: 82857300

I. CASING CEMENT DATA

Type of casing: Conductor [X] Surface Intermediate [] Liner [] Production []
Drilled hole size (in.): 17 1/2 Depth of drilled hole (ft.): 828 Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.): 13 3/8 Casing weight (lbs/ft) and grade: 48# I-55 No. of centralizers used: 8
Was cement circulated to ground surface (or bottom of cellar) outside casing? [] YES [X] NO
Setting depth shoe (ft.): 827.25 Top of liner (ft.):
Setting depth liner (ft):
Hrs. waiting on cement before drill-out: 19.5 Calculated top of cement (ft.): 245 Cementing date: May 1, 2016

SLURRY

Table with 5 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

II. CASING CEMENT DATA

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

SLURRY

Table with 5 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

III. CASING CEMENT DATA

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

SLURRY

Table with 5 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

| 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 | 5/1/2016 | | | | | | |
| Size of hole or pipe (in.) | 13-3/8 | | | | | | |
| Depth to bottom of tubing or drill pipe (ft.) | 828 | | | | | | |
| Cement retainer setting depth (ft.) | | | | | | | |
| CIBP setting depth (ft.) | | | | | | | |
| Amount of cement on top of CIBP (ft.) | | | | | | | |
| Sacks of cement used | 130 | | | | | | |
| Slurry volume pumped (cu. ft.) | 172.9 | | | | | | |
| Calculated top of plug (ft.) | Surface | | | | | | |
| Measured top of plug, if tagged (ft.) | | | | | | | |
| Slurry weight (lbs/gal) | 14.8 | | | | | | |
| Class/type of cement | Premium Plus | | | | | | |
| Perforate and squeeze (YES/NO) | | | | | | | |

| REMARKS |
|--|
| Temperature Survey was ran 4hrs after primary surface cementing. TOC was declared at 245ft |
| Topped out with 130sx. |

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 Groves - Cementing Services Supervisor Universal Pressure Pumping

| | | |
|---|-----------------------|-----------------------|
| Name and title of cementer's representative | Cementing Company | Signature |
| 4517 W. Industrial Ave | Midland, Texas, 79703 | (432) 699 3271 |
| Address | City, State, Zip Code | Tel. Area Code Number |
| | | Date: Month/Day/Year |

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.

Connie Swan Regulatory Administrator

| | | |
|--|-----------------------|-----------------------|
| Typed or printed name of operator's representative | Title | Signature |
| P.O. Box 35888 | Tulsa OK 74153-0888 | 918 621-6533 |
| Address | City, State, Zip Code | Tel: Area Code Number |
| | | Date: Month/Day/Year |

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 casing. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission. To plug and abandon a well, operators must use only cements approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pls/pub/readtacSext.TacPage?sl=9&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&ri=14), 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, 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 Cement Data box.



RAILROAD COMMISSION OF TEXAS

1701 N. Congress
P.O. Box 12967
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CEMENTING REPORT

Tr# 161854

Form W-15

Rev. 08/2014

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

OPERATOR INFORMATION

Operator Name: Opus Operating II Operator P-5 No.: 625171
Cementor Name: Universal Pressure Pumping Inc. Cementor P-5 No.: 878392

WELL INFORMATION

District No.: 7C County: Upton
Well No.: 1 API No.: 42-461-40161 Drilling Permit No.: 808681
Lease Name: University Taylor Draw 30 Lease No.:
Field Name: SHEEP MOUNTAIN (CONSOLIDATED) Field No.: 82857300

I. CASING CEMENT DATA

Type of casing: [] Conductor [] Surface [X] Intermediate [] Liner [] Production
Drilled hole size (in.): 11 Depth of drilled hole (ft.): 4320 Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.): 8 5/8 Casing weight (lbs/ft) and grade: 32# L-55 No. of centralizers used: 35
Was cement circulated to ground surface (or bottom of cellar) outside casing? [X] YES [] NO
Setting depth shoe (ft.): 4320 Top of liner (ft.):
Setting depth liner (ft):
Hrs. waiting on cement before drill-out: 8 Calculated top of cement (ft.): Surface Cementing date: May 4, 2016

SLURRY

Table with 5 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

II. CASING CEMENT DATA

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

SLURRY

Table with 5 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

III. CASING CEMENT DATA

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

SLURRY

Table with 5 columns: Slurry No., No. of Sacks, Class, Additives, Volume (cu. ft.), Height (ft.)

| 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.

Cody Groves - Cementing Services Supervisor **Universal Pressure Pumping**

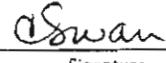
| | | |
|---|-----------------------|----------------------|
| Name and title of cementer's representative | Cementing Company | Signature |
| 4517 W Industrial Ave | Midland, Texas, 79703 | (432) 699 3271 |
| Address | City, State, Zip Code | Tel Area Code Number |
| | | Date: Month/Day/Year |



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.

Connie Swan **Regulatory Administrator**

| | | |
|--|-----------------------|-----------------------|
| Typed or printed name of operator's representative | Title | Signature |
| P.O. Box 35888 | Tulsa OK 74153-0888 | 918 621-6533 |
| Address | City, State, Zip Code | Tel: Area Code Number |
| | | Date: Month/Day/Year |



Instructions for Form W-15, Cementing Report

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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.facPage?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.facPage?si=R&app=9&p_dir=&p_floc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14)). 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, 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 Cement Data box.



RAILROAD COMMISSION OF TEXAS

Form W-15

1701 N. Congress
P.O. Box 12967

Tr# 161854

Rev. 08/2014

Austin, Texas 78701-2967

CEMENTING REPORT

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

| | | | |
|----------------|---------------------------------|-------------------|--------|
| Operator Name: | Opus Operating II | Operator P-5 No.: | 625171 |
| Cementor Name: | Universal Pressure Pumping Inc. | Cementor P-5 No.: | 878392 |

| | | | |
|---------------|-------------------------------|----------------------|--------------|
| District No.: | 7C | County: | Upton |
| Well No.: | 1 | API No.: | 42-461-40161 |
| | | Drilling Permit No.: | 808681 |
| Lease Name: | University Taylor Draw 30 | Lease No.: | |
| Field Name: | SHEEP MOUNTAIN (CONSOLIDATED) | Field No.: | 82857300 |

Type of casing: Conductor Surface Intermediate Liner Production

Drilled hole size (in.): 7 7/8 Depth of drilled hole (ft.): 10480 Est. % wash-out or hole enlargement:

Size of casing in O.D. (in.): 5 1/2 Casing weight (lbs/ft) and grade: 17# L80 No. of centralizers used: 50

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.): 10480 Top of liner (ft.):

Setting depth liner (ft.):

Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): 3342 Cementing date: May 15, 2016

| SLURRY | | | | | |
|------------|--------------|-------------------|---|------------------|--------------|
| Slurry No. | No. of Sacks | Class | Additives | Volume (cu. ft.) | Height (ft.) |
| 1 | 660 | Premium 50/50 Poz | 10%Gel+%salt+2#sk kolseal+0.1%CFI-8+0.1% Cr-1 | 1623.6 | 9368 |
| 2 | 700 | Premium 50/50 Poz | 2%Gel+3%salt+Koiseal+0.35%CFI+0.2% Cr-1 | 903 | 5210 |
| 3 | | | | | |
| Total | 1360 | | | 2526.6 | 14578 |

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 | 0 | | | 0 | 0 |

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 | 0 | | | 0 | 0 |



RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

November 14, 2016

OPUS OPERATING II LLC
ATTN: REGULATORY DEPARTMENT
PO BOX 11403
MIDLAND TX 79702

RE: **APPLICATION FOR EXCEPTION TO SWR 10**
LEASE: UNIVERSITY TAYLOR DRAW 30
WELL NO. 1
UPTON COUNTY, DISTRICT 7C, TEXAS
API NO. 461-40161

| FIELD NAME | FIELD NO. | COMPLETION DEPTHS (FT) |
|-------------------------------|-----------|------------------------|
| SHEEP MOUNTAIN (CONSOLIDATED) | 82857300 | 7860'-9555' |
| BLOCK 4 (DEVONIAN) | 09144200 | 10010'-10080' |
| TOKEEN (MISSISSIPPIAN) | 90358500 | 9646'-9785' |

HYDROGEN SULFIDE RESTRICTION: NO

The Commission has approved your application to down-hole commingle production within the above-referenced wellbore from the SHEEP MOUNTAIN (CONSOLIDATED); BLOCK 4 (DEVONIAN); and TOKEEN (MISSISSIPPIAN) fields in UPTON County, Texas. For allowable and reporting purposes, the well will be assigned to the **SHEEP MOUNTAIN (CONSOLIDATED)** field. It will be necessary to have or obtain Commission authority to complete this well in each of the subject zones (Form W-1 approval). The effective date of this SWR 10 Exception is October 17, 2016. This exception to SWR 10 will expire if not used within two (2) years from the date of this permit. This expiration date is November 15, 2018.

If the commingled well tests as a gas well and the well is not currently on schedule as a multi-completed well or never has been on schedule as a single completion in any of the non-reporting fields listed above, you must file a well-record-only G-1 for the field(s). This completion must be treated as a separate completion. It will not be eligible for allowable status, and will be carried on the proration schedule as a SWR 10 well. The only instances in which the production will be assigned to a field in which the allocation formula has been suspended are when: (1) The allocation formula has been suspended in all of the fields cited in the Rule 10 Exception application, or (2) If the production is less than 200 MCFPD. If the status for any of the fields changes it may be necessary to reassign the production to the prorated field. Contact your proration analyst to inquire as to which forms are necessary to change the reporting field.

Acreage assigned to the referenced well for allocation of allowable shall not be assigned to any other well or wells projected to or completed in the above-referenced fields; such duplicate assignment of acreage is not acceptable, provided, however, that this limitation shall not prevent the reformation of development or proration units so long as no duplicate assignment of acreage occurs, and further, that such reformation does not violate other conservation regulations.

The maximum daily allowable for the combined production will be limited to the top allowable for the reporting field and will become effective upon receipt of Form G-1 or W-2 showing combined completion data and results of a potential test performed after the physical work of down hole commingling has been completed and run in accordance with Statewide Rule 28. Please indicate in "remarks" the reason for filing this report, giving date of Commission approval of this Rule 10 Exception.

Should secondary recovery operations be initiated in either of these reservoirs, it may be necessary to segregate these zones. If surface-commingling authority has been granted, it may be necessary to amend or cancel this authority.

Permit conditions:

The completion of the commingled well must be a reasonable match with the wellbore diagram filed with the application. Variances in completion depths are acceptable provided that these completion depths remain within the designated correlative intervals for the commingled fields. A copy of this wellbore diagram must be filed with the completion report for the commingled well.

Note: The distribution of this document will be by E-MAIL ONLY. E-mail sent to csswan@swanderlandok.com.

If you have any questions, you may contact the engineering unit in the Austin office at 512-463-1126.

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form W-12
(1-1-71)
FOD1296

Tr# 161854 API# 42-461-40161

| | | |
|---|---|--|
| INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report) | | 6. RRC District 7C |
| | | 7. RRC Lease Number (Oil completions only) |
| 1. FIELD NAME (as per RRC Records or Wildcat) SHEEP MOUNTAIN (CONSOLIDATED) | 2. LEASE NAME University Taylor Draw 30 | 8. Well Number I |
| 3. OPERATOR Opus Operating II, LLC | | 9. RRC Identification Number (Gas completions only) |
| 4. ADDRESS P.O. Box 35888 Tulsa, OK 74153-0888 | | 10. County Upton |
| 5. LOCATION (Section, Block, and Survey) Section 30, Block 4, Abstract U66, Survey UL | | |

RECORD OF INCLINATION

| *11. Measured Depth (feet) | 12. Course Length (Hundreds of feet) | *13. Angle of Inclination (Degrees) | 14. Displacement per Hundred Feet (Sine of Angle x 100) | 15. Course Displacement (feet) | 16. Accumulative Displacement (feet) |
|----------------------------|--------------------------------------|-------------------------------------|---|--------------------------------|--------------------------------------|
| 241 | 241 | 0.50 | 0.87 | 2.10 | 2.10 |
| 476 | 235 | 0.50 | 0.87 | 2.05 | 4.15 |
| 765 | 289 | 0.60 | 1.05 | 3.03 | 7.18 |
| 920 | 155 | 0.60 | 1.05 | 1.62 | 8.80 |
| 1014 | 94 | 0.70 | 1.22 | 1.15 | 9.95 |
| 1172 | 158 | 0.50 | 0.87 | 1.38 | 11.33 |
| 1266 | 94 | 0.60 | 1.05 | 0.98 | 12.31 |
| 1425 | 159 | 0.70 | 1.22 | 1.94 | 14.26 |
| 2083 | 658 | 0.70 | 1.22 | 8.04 | 22.30 |
| 2263 | 180 | 0.40 | 0.70 | 1.26 | 23.55 |
| 2462 | 199 | 0.70 | 1.22 | 2.43 | 25.98 |
| 2746 | 284 | 0.70 | 1.22 | 3.47 | 29.45 |
| 3029 | 283 | 0.60 | 1.05 | 2.96 | 32.42 |
| 3218 | 189 | 0.50 | 0.87 | 1.65 | 34.07 |
| 3316 | 98 | 0.50 | 0.87 | 0.86 | 34.92 |

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? yes no
18. Accumulative total displacement of well here at total depth of 10465 feet = 208.44 feet.
- *19. Inclination measurements were made in - Tubing Casing Open hole Drill Pipe
20. Distance from surface location of well to the nearest lease line 660 feet.
21. Minimum distance to lease line as prescribed by field rules 467 feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? NO

(If the answer to the above question is "yes," attach written explanation of the circumstances.)

| | |
|---|---|
| <p>INCLINATION DATA CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts presented on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>[Signature]</i> Signature of Authorized Representative Kirk Cleere, President Name of Person and Title (type or print) Sendero Drilling Company, LLC Name of Company Telephone <u>325-655-7641</u> Area Code</p> | <p>OPERATOR CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>[Signature]</i> Signature of Authorized Representative Connie Swan, Regulatory Administrator Name of Person and Title (type or print) Opus Operating II, LLC Operator Telephone <u>918 621-6533</u> Area Code</p> |
|---|---|

Railroad Commission Use Only.

Approved By: _____ Title: _____ Date: _____

* Designates items certified by company that conducted the inclination surveys.

RECORD OF INCLINATION (Continued from reverse side)

| 11. Measured Depth (feet) | 12. Course Length (Hundreds of feet) | 13. Angle of Inclination (Degrees) | 14. Displacement per Hundred Feet (Size of Angle x100) | 15. Course Displacement (feet) | 16. Accumulative Displacement (feet) |
|---------------------------|--------------------------------------|------------------------------------|--|--------------------------------|--------------------------------------|
| 3412 | 96 | 0.60 | 1.05 | 1.01 | 35.93 |
| 3507 | 95 | 0.70 | 1.22 | 1.16 | 37.09 |
| 3602 | 95 | 0.70 | 1.22 | 1.16 | 38.25 |
| 3695 | 93 | 0.70 | 1.22 | 1.14 | 39.38 |
| 3790 | 95 | 0.70 | 1.22 | 1.16 | 40.54 |
| 4261 | 471 | 0.70 | 1.22 | 5.75 | 46.30 |
| 4439 | 178 | 0.40 | 0.70 | 1.24 | 47.54 |
| 4598 | 159 | 0.20 | 0.35 | 0.56 | 48.10 |
| 4671 | 73 | 0.30 | 0.52 | 0.38 | 48.48 |
| 4861 | 190 | 0.40 | 0.70 | 1.33 | 49.81 |
| 5019 | 158 | 0.50 | 0.87 | 1.38 | 51.18 |
| 5172 | 153 | 0.70 | 1.22 | 1.87 | 53.05 |
| 5329 | 157 | 0.70 | 1.22 | 1.92 | 54.97 |
| 5387 | 58 | 0.70 | 1.22 | 0.71 | 55.68 |
| 5675 | 288 | 0.60 | 1.05 | 3.02 | 58.70 |
| 5866 | 191 | 1.40 | 2.44 | 4.67 | 63.36 |
| 5977 | 111 | 1.40 | 2.44 | 2.71 | 66.07 |
| 6040 | 63 | 1.70 | 2.97 | 1.87 | 67.94 |
| 6177 | 137 | 1.40 | 2.44 | 3.35 | 71.29 |
| 6292 | 115 | 1.20 | 2.09 | 2.41 | 73.70 |
| 6302 | 10 | 1.20 | 2.09 | 0.21 | 73.91 |
| 6428 | 126 | 1.00 | 1.75 | 2.20 | 76.11 |
| 6555 | 127 | 0.30 | 0.52 | 0.66 | 76.77 |
| 6808 | 253 | 0.10 | 0.17 | 0.44 | 77.21 |
| 7113 | 305 | 2.10 | 3.66 | 11.18 | 88.39 |
| 7217 | 104 | 2.20 | 3.84 | 3.99 | 92.38 |
| 7332 | 115 | 2.10 | 3.66 | 4.21 | 96.60 |
| 7396 | 64 | 2.20 | 3.84 | 2.46 | 99.05 |
| 7405 | 9 | 2.20 | 3.84 | 0.35 | 99.40 |
| 7467 | 62 | 2.20 | 3.84 | 2.38 | 101.78 |
| 7530 | 63 | 2.10 | 3.66 | 2.31 | 104.09 |
| 7593 | 63 | 2.00 | 3.49 | 2.20 | 106.29 |
| 7657 | 64 | 1.80 | 3.14 | 2.01 | 108.30 |
| 7720 | 63 | 1.80 | 3.14 | 1.98 | 110.28 |
| 8151 | 431 | 1.50 | 2.62 | 11.28 | 121.56 |
| 8404 | 253 | 1.40 | 2.44 | 6.18 | 127.74 |
| 8531 | 127 | 1.80 | 3.14 | 3.99 | 131.73 |

If additional space is needed, attach separate sheet and check here.

REMARKS:

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re-entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

Tracking No.: 161854

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: OPUS OPERATING II LLC | District No. 7C | Completion Date: 08/09/2016 |
| Field Name SHEEP MOUNTAIN (CONSOLIDATED) | Drilling Permit No. 808681 | |
| Lease Name UNIVERSITY TAYLOR DRAW 30 | Lease/ID No. 19410 | Well No. 1 |
| County UPTON | API No. 42- 461-40161 | |

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). _____

 Signature

 Name (print)

 Title
 (918) 621-6533 _____
 Phone Date
 09/14/2016

-FOR RAILROAD COMMISSION USE ONLY-



Litho Density Compensated Neutron Log

| | | | |
|--|-------------------------------------|-----------------------|----------------|
| Company Opus Operating II LLC Well University Taylor Draw 30-1 Field Sheep Mountain (Consolidated) County Upton State Texas | Company Opus Operating II LLC | | |
| | Well University Taylor Draw 30-1 | | |
| | Field Sheep Mountain (Consolidated) | | |
| | County Upton State Texas | | |
| Location: | | API #: 42-461-40161 | Other Services |
| 1320' FNL & 660' FWL Section: 30 Block: 4 Survey: UL A-U66 | | | DLL, MSFL |
| Permanent Datum G.L. | | Elevation ft. | Elevation |
| Log Measured From K.B. | | ft. above perm. datum | K.B. 2768 ft. |
| Drilling Measured From Kelly Bushing | | | D.F. 2767 ft. |
| | | | G.L. 2748 ft. |

| | | | |
|------------------------------|---------------------|---|---|
| Date | 13-May-2016 | | |
| Run Number | One | | |
| Depth Driller | 10479' | | |
| Depth Logger | 10426' | | |
| Bottom Logged Interval | 10386' | | |
| Top Log Interval | 170' | | |
| Casing Driller | 8.625" @ 4323' | @ | @ |
| Casing Logger | 4315' | | |
| Bit Size | 7.875" | @ | @ |
| Type Fluid in Hole | Water Based Mud | | |
| Density / Viscosity | 8.9 / 40 | | |
| pH / Fluid Loss | 11 / 9 | | |
| Source of Sample | Circulation Tank | | |
| Rm @ Meas. Temp | 0.14 @ 73 degF | @ | @ |
| Rmf @ Meas. Temp | 0.11 @ 73 degF | @ | @ |
| Rmc @ Meas. Temp | 0.17 @ 73 degF | @ | @ |
| Source of Rmf / Rmc | Calculated | | |
| Rm @ BHT | 0.06 @ 173 degF | @ | @ |
| Time Circulation Stopped | 13-May-2016 @ 03:30 | | |
| Time Logger on Bottom | 13-May-2016 @ 13:00 | | |
| Maximum Recorded Temperature | 173 degF | | |
| Equipment Number | 10002 | | |
| Location | Midland, TX | | |
| Recorded By | M. Gustin | | |
| Witnessed By | A. Villa | | |

Equipment and Log Data
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| | | | |
|--|-------------------------------------|------------------------------|----------------|
| Company Opus Operating II LLC Well University Taylor Draw 30-1 Field Sheep Mountain (Consolidated) County Upton State Texas | Company Opus Operating II LLC | | |
| | Well University Taylor Draw 30-1 | | |
| | Field Sheep Mountain (Consolidated) | | |
| | County Upton State Texas | | |
| Location: | | API #: 42-461-40161 | Other Services |
| 1320' FNL & 660' FWL | | | LDT, CNL |
| Section: 30 Block: 4 | | | DLL, MSFL |
| Survey: UL A-U66 | | | SGR |
| Permanent Datum | | G.L. Elevation ft. | Elevation |
| Log Measured From | | K.B. , ft. above perm. datum | K.B. 2768 ft. |
| Drilling Measured From | | Kelly Bushing | D.F. 2767 ft. |
| | | | G.L. 2748 ft. |
| Date | 13-May-2016 | | |
| Run Number | One | | |
| Depth Driller | 10479' | | |
| Depth Logger | 10426' | | |
| Bottom Logged Interval | 10387' | | |
| Top Log Interval | 4315' | | |
| Casing Driller | 8.625" @ 4323' | @ | @ |
| Casing Logger | 4315' | | |
| Bit Size | 7.875" | @ | @ |
| Type Fluid in Hole | Water Based Mud | | |
| Density / Viscosity | 8.9 / 40 | | |
| pH / Fluid Loss | 11 / 9 | | |
| Source of Sample | Circulation Tank | | |
| Rm @ Meas. Temp | 0.14 @ 73 degF | @ | @ |
| Rmf @ Meas. Temp | 0.11 @ 73 degF | @ | @ |
| Rmc @ Meas. Temp | 0.17 @ 73 degF | @ | @ |
| Source of Rmf / Rmc | Calculated | | |
| Rm @ BHT | 0.06 @ 173 degF | @ | @ |
| Time Circulation Stopped | 13-May-2016 @ 03:30 | | |
| Time Logger on Bottom | 13-May-2016 @ 13:00 | | |
| Maximum Recorded Temperature | 173 degF | | |
| Equipment Number | 10002 | | |
| Location | Midland, TX | | |
| Recorded By | M. Gustin | | |
| Witnessed By | A. Villa | | |

Equipment and Log Data

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| | | | |
|--|--|--|---|
| Company Opus Operating II LLC Well University Taylor Draw 30-1 Field Sheep Mountain (Consolidated) County Upton State Texas | Company Opus Operating II LLC Well University Taylor Draw 30-1 Field Sheep Mountain (Consolidated) County Upton State Texas | | |
| | Location: 1320' FNL & 660' FWL Section: 30 Block: 4 Survey: UL A-U66 | | API #: 42-461-40161 Other Services LDT, CNL |
| | Permanent Datum G.L. Elevation ft. Log Measured From K.B. ft. above perm. datum Drilling Measured From Kelly Bushing | Elevation K.B. 2768 ft. D.F. 2767 ft. G.L. 2748 ft. | |
| | Date | 13-May-2016 | |
| Run Number | One | | |
| Depth Driller | 10479' | | |
| Depth Logger | 10426' | | |
| Bottom Logged Interval | 10424' | | |
| Top Log Interval | 4315' | | |
| Casing Driller | 8.625" @ 4323' | @ | @ |
| Casing Logger | 4315' | | |
| Bit Size | 7.875" | @ | @ |
| Type Fluid in Hole | Water Based Mud | | |
| Density / Viscosity | 8.9 / 40 | | |
| pH / Fluid Loss | 11 / 9 | | |
| Source of Sample | Circulation Tank | | |
| Rm @ Meas. Temp | 0.14 @ 73 degF | @ | @ |
| Rmf @ Meas. Temp | 0.11 @ 73 degF | @ | @ |
| Rmc @ Meas. Temp | 0.17 @ 73 degF | @ | @ |
| Source of Rmf / Rmc | Calculated | | |
| Rm @ BHT | 0.06 @ 173 degF | @ | @ |
| Time Circulation Stopped | 13-May-2016 @ 03:30 | | |
| Time Logger on Bottom | 13-May-2016 @ 13:00 | | |
| Maximum Recorded Temperature | 173 degF | | |
| Equipment Number | 10002 | | |
| Location | Midland, TX | | |
| Recorded By | M. Gustin | | |
| Witnessed By | A. Villa | | |

Equipment and Log Data

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Railroad Commission of Texas
 Oil And Gas Division
 Request for Clearance of Storage Tanks

Form P-8

Reference No. 35544

Prior to Potential Test

| | | |
|---|---|--|
| 1. Operator's Name and Address (Exactly as shown on Form P-5 Organization Report) OPUS OPERATING II LLC PO BOX 11403 MIDLAND, TX 79702-0000 2. RRC Operator Number: <u>625171</u> | | 3. RRC District No. 7C 4. County of Well Site UPTON 5. API No. 42-461-40161 |
| 6. Field Name (Wildcat or exactly as shown on RRC records) SHEEP MOUNTAIN (CONSOLIDATED) | 7. Drilling Permit No. 808681 | 8. Rule 37 Case No. |
| 9. Lease Name UNIVERSITY TAYLOR DRAW 30 | 10. Oil lease No. | 11. Well No. 1 |
| 12. Drilling completed on <u>05/12/2016</u> | 13. Completion report--Form W-2 or G-1--will be filed on <u>10/15/2016</u> | |
| 14. Oil or condensate gatherer's name and address SUNOCO PTNRS. MKTG.&TERMINALS LP 3807 WEST CHESTER PIKE NEWTOWN SQ, PA 19073-2304 (215) 977-6164 | 15. Authorization to transport oil or condensate (mark one) <input checked="" type="checkbox"/> Form P-4 attached <input checked="" type="checkbox"/> Form P-4 Filed on <u>08/08/2016</u> | |
| 16. This request is for <u>50000</u> barrels of <input checked="" type="checkbox"/> crude oil OR <input type="checkbox"/> condensate | 17. Amount of oil/condensate in tanks <u>1114</u> barrels on <u>09/27/2016</u> | |
| 18. Storage capacity in bbls. Tank battery <u>1400</u> Test tanks <u>0</u> Total <u>1400</u> | | |
| 19. Previous request for clearance. Amount <u>20000</u> barrels granted on <u>08/08/2016</u> | | |
| 20. Reason for current request for clearance (explain briefly) Clear storage tanks for safety purposes in advance of production allowable assignment. | | |
| Connie Swan _____ Name of operator's representative | REGULATORY ADMINISTRATOR _____ Title of person | |
| (918) 621-6533 _____ Telephone | 09/28/2016 _____ Date | |
| RRC District Office Action | | |
| Status: Approved | Barrels recommended <u>50000</u> | RRC Staff _____ 09/28/2016 _____ Date |

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date: 24 July 2015

GAU Number:

12160

Attention: OPUS OPERATING II LLC

PO BOX 11403

MIDLAND, TX 79702

P-5#: 625171

API Number:

County:

UPTON

Lease Name:

UNIVERSITY TAYLOR DRAW 30

RRC Lease Number:

Well Number:

1

Total Vertical Depth:

10500

Latitude:

31.154500

Longitude:

-101.789236

Datum:

NAD27

Purpose: New Drill

Location: Survey-UL; Abstract-U66; Block-4; Section-30

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 700 feet must be protected.

This determination is based on information provided when the application was submitted on 07/22/2015. 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

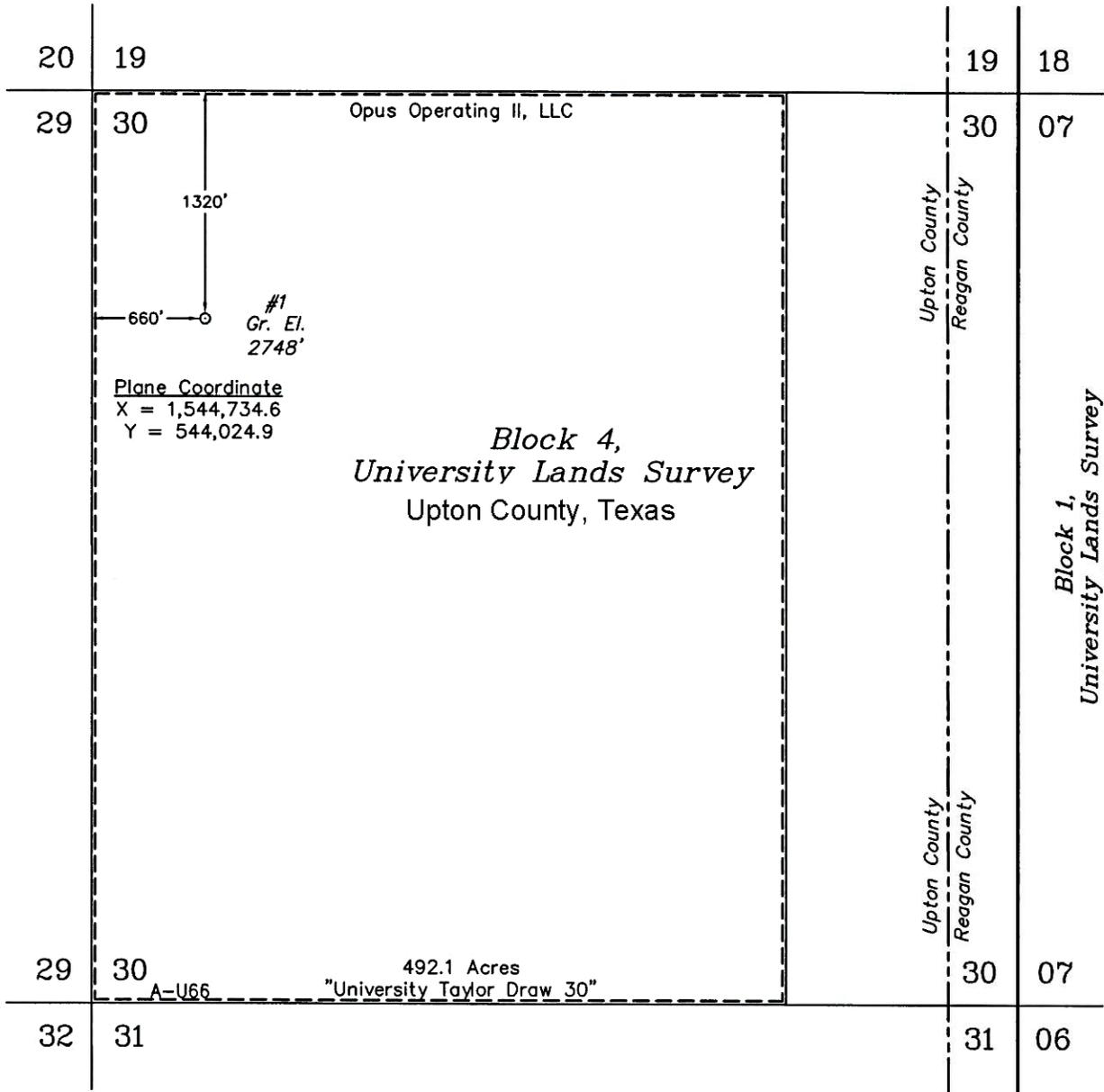
Form GW-2

P.O. Box 12967 Austin, Texas 78771-2967

512-463- 2741

Rev. 02/2014

Internet address: www.rrc.texas.gov



**Block 4,
University Lands Survey
Upton County, Texas**

**Block 1,
University Lands Survey
Reagan County, Texas**

Plane Coordinate
X = 1,544,734.6
Y = 544,024.9

492.1 Acres
"University Taylor Draw 30"

LEGEND

Date Surveyed: July 9, 2015
Weather: Hot and Breezy

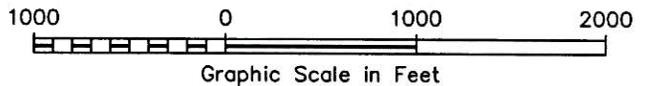
- - Denotes Proposed Well Location
- - Denotes Lease Line
- - Denotes County Line (Approx.)

The University Taylor Draw 30-1 is located approximately 19.5 miles Southwest of Big Lake, Texas.

NOTE:

- 1) Plane Coordinates and Bearings shown hereon are Lambert Grid and Conform to the "Texas Coordinate System", Texas Central Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.
- 2) Geodetic Coordinate shown hereon references the North American Datum of 1983, (Clarke Spheroid of 1866). Reference Stations - "LUBBOCK RRP2" - CORS (DF5391), "JAYTON" - CORS (AF9637) and "SAN ANGELO RRP" - CORS (DF7477).
- 3) This plat is provided for Railroad Commission filing purposes only and should not be constructed as a boundary survey

Geodetic Coordinate
Latitude = 31°09'16.20" N
Longitude = 101°47'21.25" W



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION.

J. FRANK NEWMAN
LINDSAY GYGAX



TEXAS R.R.E.S. No. 5011
TEXAS R.P.L.S. No. 6434

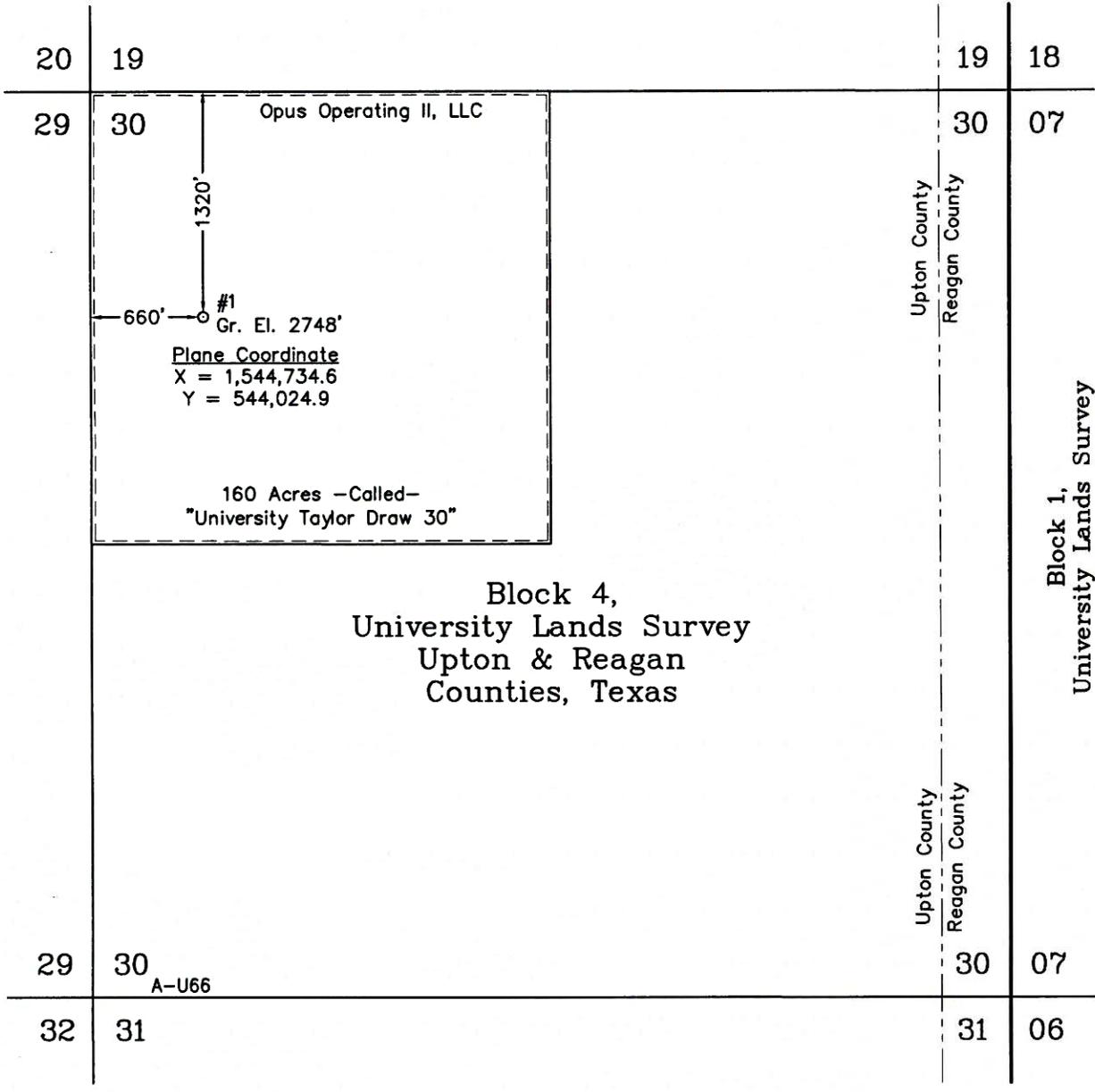
SURVEYORS - ENGINEERS - PLANNERS
FIRM REGISTRATION NUMBER: 100682-00
110 W. LOUISIANA AVE., SUITE 110
MIDLAND, TEXAS 79701
(432) 687-0865 - FAX (432) 687-0868



OPUS OPERATING II, LLC

**Location of the
UNIVERSITY TAYLOR DRAW 30-1
1320' FNL & 660' FWL
Section 30, Block 4,
University Lands Survey
Upton County, Texas**

| | |
|------------------------|-----------------------|
| Drawn By: LRG | Date: July 20, 2015 |
| Scale: 1" = 1000' | Field Book: 619/39-44 |
| Revision Date: 7/23/15 | Quadrangle: |
| W.O. No: 2015-0502 | Dwg. No.: 2015-0502-A |



Block 4,
University Lands Survey
Upton & Reagan
Counties, Texas

Block 1,
University Lands Survey
Reagan County, Texas

LEGEND

- - Denotes Proposed Well Location
- - Denotes Lease Line
- - Denotes County Line (Approx.)

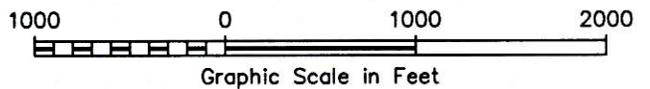
Date Surveyed: July 9, 2015
Weather: Hot and Breezy

The University Taylor Draw 30-1 is located approximately 19.5 miles Southwest of Big Lake, Texas.

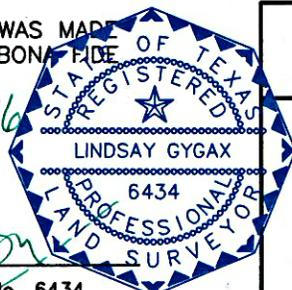
NOTE:

- 1) Plane Coordinates and Bearings shown hereon are Lambert Grid and conform to the "Texas Coordinate System", Texas Central Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.
- 2) Geodetic Coordinates shown hereon references the North American Datum of 1983, (Clarke Spheroid of 1866). Reference Stations - "LUBBOCK RRP2" - CORS (DF5391), "JAYTON" - CORS (AF9637) and "SAN ANGELO RRP" - CORS (DF7477).
- 3) This plat is provided for Railroad Commission filing purposes only and should not be construed as a boundary survey.

Geodetic Coordinate
Latitude = 31°09'16.20" N
Longitude = 101°47'21.25" W



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION.



Lindsay Gygax
11-01-16
LINDSAY GYGAX
TEXAS R.P.L.S. No. 6434

| | |
|---|-------------------------|
| OPUS OPERATING II, LLC | |
| Sketch of the UNIVERSITY TAYLOR DRAW 30-1 PRORATION UNIT Located in Section 30, Block 4, University Lands Survey Upton County, Texas | |
| Drawn By: LRG/ SC | Date: October 28, 2016 |
| Scale: 1" = 1000' | Field Book: 619/39-44 |
| Revision Date: | Quadrangle: |
| W.O. No: 2015-0502-1 | Dwg. No.: 2015-0502-1-A |



SURVEYORS - ENGINEERS - PLANNERS
FIRM REGISTRATION NUMBER: 100682-00
110 W. LOUISIANA AVE., SUITE 110
MIDLAND, TEXAS 79701
(432) 687-0865 - FAX (432) 687-0868