



**RAILROAD COMMISSION OF TEXAS**

**Form W-2**

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

Status: Approved  
Date: 08/10/2017  
Tracking No.: 176334

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

**OPERATOR INFORMATION**

**Operator Name:** MWS PRODUCING, INC. **Operator No.:** 597379  
**Operator Address:** PO BOX 100 STANTON, TX 79782-0000

**WELL INFORMATION**

**API No.:** 42-105-42384 **County:** CROCKETT  
**Well No.:** 1 **RRC District No.:** 7C  
**Lease Name:** UNIVERSITY 22B **Field Name:** FARMER (SAN ANDRES)  
**RRC Lease No.:** 19565 **Field No.:** 30243500  
**Location:** Section: 22, Block: 47, Survey: UL, Abstract: U486  
  
**Latitude:** 31.00144 **Longitude:** -101.35529  
**This well is located** 15 **miles in a** NW **direction from** OZONA, **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:** 06/27/2017  

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen Rule 37 Exception	04/26/2017	825315
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

**COMPLETION INFORMATION**

**Spud date:** 05/29/2017 **Date of first production after rig released:** 06/27/2017  
**Date plug back, deepening, recompletion, or drilling operation commenced:** 05/29/2017 **Date plug back, deepening, recompletion, or drilling operation ended:** 06/01/2017  
**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:** 152.20 **Elevation (ft.):** 2602 RKB  
**Total depth TVD (ft.):** 2350 **Total depth MD (ft.):**  
**Plug back depth TVD (ft.):** 2283 **Plug back depth MD (ft.):**  
**Was directional survey made other than inclination (Form W-12)?** No **Rotation time within surface casing (hours):** 34.0  
**Is Cementing Affidavit (Form W-15) attached?** Yes  
**Recompletion or reclass?** No **Multiple completion?** No  
**Type(s) of electric or other log(s) run:** Acceptable cased hole logs  
**Electric Log Other Description:**  
**Location of well, relative to nearest lease boundaries** **Off Lease :** No  
**of lease on which this well is located:** 368.0 **Feet from the** East **Line and**  
1583.0 **Feet from the** South **Line of the**  
UNIVERSITY 22B **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.):** 800.0      **Date:** 04/03/2017  
**SWR 13 Exception**      **Depth (ft.):**

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

**Date of test:** 07/04/2017      **Production method:** Pumping  
**Number of hours tested:** 24      **Choke size:** NONE  
**Was swab used during this test?** No      **Oil produced prior to test:** 149.00

**PRODUCTION DURING TEST PERIOD:**

**Oil (BBLs):** 41.00      **Gas (MCF):** 39  
**Gas - Oil Ratio:** 951      **Flowing Tubing Pressure:** 30.00  
**Water (BBLs):** 17

**CALCULATED 24-HOUR RATE**

**Oil (BBLs):** 41.0      **Gas (MCF):** 39  
**Oil Gravity - API - 60.:** 34.2      **Casing Pressure:** 100.00  
**Water (BBLs):** 17

**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	8 5/8	12 1/4	804			C	450	680.0	SURF ACE	Circulated to Surface
2	Conventional Production	4 1/2	7 7/8	2325			C	300	452.0	1390	Temperature Survey

**LINER RECORD**

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

**TUBING RECORD**

Row	Size (in.)	Depth (ft.)	Size (ft.)	Packer Depth (ft.)/Type
1	2 3/8	1951		/

**PRODUCING/INJECTION/DISPOSAL INTERVAL**

Row	Open hole?	From (ft.)	To (ft.)
1	No	L 1981	2061.0

**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:** 4000      **Actual maximum pressure (PSIG) during hydraulic fracturing:** 3003

**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		147200# SAND, 3287 BBL GELLED FLUID	1981 2061

**FORMATION RECORD**

<u>Formations</u>	<u>Encountered</u>	<u>Depth TVD (ft.)</u>	<u>Depth MD (ft.)</u>	<u>Is formation isolated?</u>	<u>Remarks</u>
QUEEN	Yes	1510.0		Yes	
SAN ANDRES	Yes	1863.0		Yes	
LEONARD	No			No	NOT PENETRATED
WOLFCAMP	No			No	NOT PENETRATED
CANYON	No			No	NOT PENETRATED
STRAWN	No			No	NOT PENETRATED
DEVONIAN	No			No	NOT PENETRATED
ELLENBURGER	No			No	NOT PENETRATED

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)? Yes  
 Is the completion being downhole commingled (SWR 10)? No

**REMARKS**

**RRC REMARKS**

**PUBLIC COMMENTS:**

**CASING RECORD :**

**TUBING RECORD:**

**PRODUCING/INJECTION/DISPOSAL INTERVAL :**

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

**POTENTIAL TEST DATA:**

**OPERATOR'S CERTIFICATION**

**Printed Name:** Mike Swinson  
**Telephone No.:** (432) 756-2902

**Title:**  
**Date Certified:** 07/13/2017



# RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

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

## CEMENTING REPORT

### OPERATOR INFORMATION

Operator Name: <b>MWS PRODUCING, INC.</b>	Operator P-5 No.: <b>597379</b>
Cementer Name: <b>Powerflex Services Inc.</b>	Cementer P-5 No.: <b>674967</b>

### WELL INFORMATION

District No.: <b>7C</b>	County: <b>CROCKETT</b>
Well No.: <b>1</b>	API No.: <b>42-105-42384</b> Drilling Permit No.: <b>825315</b>
Lease Name: <b>22B</b>	Lease No.: <b>N/A</b>
Field Name: <b>FARMER SAN ANDRES</b>	Field No.: <b>30243500</b>

### I. CASING CEMENTING DATA

Type of casing:  Conductor  Surface  Intermediate  Liner  Production

Drilled hole size (in.): <b>12 1/4</b>	Depth of drilled hole (ft.): <b>825</b>	Est. % wash-out or hole enlargement: <b>30</b>
Size of casing in O.D. (in.): <b>8 5/8</b>	Casing weight (lbs/ft) and grade: <b>32# J55</b>	No. of centralizers used: <b>10</b>
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): <b>804</b>	Top of liner (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date: <b>8-30-17</b>

#### SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	225	C	4% Gel 2% CC 1/4# Floccle	383	928
2	225	C	2% CC 1/4# Floccle	297	720
3					
<b>Total</b>	<b>450</b>	<b>C</b>		<b>680</b>	<b>1648</b>

### II. CASING CEMENTING DATA

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

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight (lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth shoe (ft.):	
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

#### SLURRY

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

### III. CASING CEMENTING DATA

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

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight (lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth tool (ft.):	
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

#### SLURRY

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

	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.

Elmer Buckelew/Cementer

Powerflex Services Inc.

*Elmer Buckelew*

Name and title of cementer's representative

Cementing Company

Signature

PO Box 666

Winters, TX 79567

325-754-2000

5-30-17

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

**OPERATOR'S CERTIFICATE:** I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

MICHAEL W. SWINSON

PRESIDENT

*Michael Swinson*

Typed or printed name of operator's representative

Title

Signature

PO Box 100

STANTON TX

79787

432 756-2902

7/11/17

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

**Instructions for Form W-15, Cementing Report**

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

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



# RAILROAD COMMISSION OF TEXAS

1701 N. Congress  
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Form W-15

Rev. 08/2014

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

## CEMENTING REPORT

### OPERATOR INFORMATION

Operator Name: MWS Producing, INC	Operator P-5 No.: 597379
Cementer Name: Powerflex Services Inc.	Cementer P-5 No.: 674987

### WELL INFORMATION

District No.: 7C	County: Crockett
Well No.: 1	API No.: 42-105-42384 Drilling Permit No.: 025315
Lease Name: University 22 B	Lease No.: N/A
Field Name: FARMER SAN ANDRES	Field No.: 20243500

### I. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input checked="" type="checkbox"/> Production		
Drilled hole size (in.): 7 7/8	Depth of drilled hole (ft.): 2350	Est. % wash-out or hole enlargement: 30
Size of casing in O.D. (in.): 4 1/2	Casing weight (lbs/ft) and grade: 11.6 JS5	No. of centralizers used: 15
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): 2325	Top of liner (ft.):
		Setting depth liner (ft.):
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date: 6-1-17

#### SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	100	C	6% Gel, 1% CC, 1/4 # Floccle	188	825
2	200	C	3# Salt, 1/4# Floccle	264	1158
3					
Total	300			452	1984

### II. CASING CEMENTING DATA

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

#### SLURRY

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

### III. CASING CEMENTING DATA

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

#### SLURRY

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



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

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

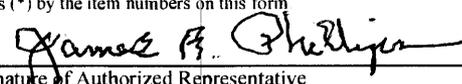
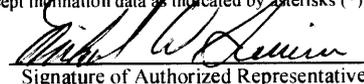
<b>INCLINATION REPORT</b> (One Copy Must Be Filed With Each Completion Report)		6. RRC District <b>7C</b>
		7. RRC Lease Number. (Oil completions only) <b>NOT ASSIGNED</b>
1. FIELD NAME (as per RRC Records or Wildcat) <b>FARMER SAN ANAPOS</b>	2. LEASE NAME <b>University 22B</b>	8. Well Number <b>1</b>
3. OPERATOR <b>MWS Producing, Inc.</b>		9. RRC Identification Number (Gas completions only)
4. ADDRESS <b>P. O. Box 100 Stanton, TX 79782</b>		10. County <b>CROCKETT</b>
5. LOCATION (Section, Block, and Survey) <b>15 miles NW direction from Ozona</b>		

**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 x100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
444	444	.50	.87	3.87	3.87
914	470	1.00	1.75	8.20	12.08
1227	313	1.00	1.75	5.46	17.54
1541	314	1.00	1.75	5.48	23.02
1763	222	1.00	1.75	3.87	26.89
2014	251	.25	.44	1.10	27.99
2350	336	.25	.44	1.47	29.46

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 bore at total depth of 2350 feet = 29.46 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 ..... feet.
21. Minimum distance to lease line as prescribed by field rules ..... 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><b>INCLINATION DATA CERTIFICATION</b></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 placed 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 align="center"></p> <p>Signature of Authorized Representative <b>James R. Phillips, Member</b> Name of Person and Title (type or print) <b>Blue Line Drilling Co., LLC</b> Name of Company Telephone: <b>(325) 653-1891</b> Area Code</p>	<p><b>OPERATOR CERTIFICATION</b></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 align="center"></p> <p>Signature of Authorized Representative <b>MICHAEL W. SWINSON</b> Name of Person and Title (type or print) <b>MWS PRODUCING, INC</b> Operator Telephone: <b>432 756 2902</b> Area Code</p>
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Railroad Commission Use Only:

Approved By: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

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

Tracking No.: 176334

*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: MWS PRODUCING, INC.	District No. 7C	Completion Date: 06/27/2017
Field Name FARMER (SAN ANDRES)	Drilling Permit No. 825315	
Lease Name UNIVERSITY 22B	Lease/ID No. 19565	Well No. 1
County CROCKETT	API No. 42- 105-42384	

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

Mike Swinson

Signature

MWS PRODUCING, INC.

Name (print)

Title

(432) 756-2902

Phone

07/11/2017

Date

-FOR RAILROAD COMMISSION USE ONLY-



**RAILROAD COMMISSION OF TEXAS  
OIL AND GAS DIVISION  
CERTIFICATE OF COMPLIANCE STATEWIDE RULE 36**

FORM H-9  
12/12/77

FILE WITH  
DISTRICT OFFICE  
IN TRIPLICATE

1. Operator MWS PRODUCING, INC.		2. Operator Number (See Instruction 13) 597379		3. RRC Dist. 7C	
4. Street or P. O. Box No. POB 100		5. City STANTON		6. State TX	7. Zip Code 79782
8. Name of Lease, Facility or Operation UNIVERSITY 22B			9. Field or Area Name FARMER (SAN ANDRES)		10. County CROCKETT
11. General Operation Type - Circle One: <input checked="" type="radio"/> A - Oil Field Production <input type="radio"/> B - Gas Field Production <input type="radio"/> C - Pipeline or Gathering Sys. <input type="radio"/> D - Gasoline Plant <input type="radio"/> E - Drilling or Workover <input type="radio"/> F - Sweetening Unit <input type="radio"/> G - Combination (explain) <input type="radio"/> H - Other (explain)				Other Explanation	
12. RRC ID# of Operation(s) to be Covered by This Certificate		Type ID Code (See Instruction 12)	Indicate if Filing for Storage Facility Only YES    NO		13. Hydrogen Sulfide Concentration 5461 PPM
NEW WELL/ LEASE		1	<input checked="" type="checkbox"/>		14. Maximum Escape Volume 10 MCF/Day
				15. 100 PPM Radius of Exposure (ROE) 45 Ft.	
				16. 500 PPM Radius of Exposure (ROE) 14 Ft.	
				17. Operation is Existing <input type="checkbox"/> New <input checked="" type="checkbox"/>	
				18. Modification Resulting in Certificate Change <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
				19. Workover or Drilling Well with 100 PPM ROE Greater than 3000' feet on Rule 36 Certified Well/Lease <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
				20. Previous Certificate Number if Available (For Amended Certificates)	
				21. The 100 PPM ROE includes any part of a public area except a public road <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
				22. The 500 PPM ROE includes any part of a public road <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
				23. Injection of fluid containing Hydrogen Sulfide (See Instruction 14) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
				24. Date (or Depth) of Compliance with all applicable provisions of Rule 36 <u>07, 11, 2017</u> Mo Day Year Depth of Compliance for Drilling Operation _____ Ft. from Surface	
25. Contingency Plan Location of Plan (See Instruction 15)				Has been prepared <input type="checkbox"/> Yes <input type="checkbox"/> No	
26. Location of data used to prepare this certificate (See Instruction 15) MWS PRODUCING, INC. 1910 W. BUSINESS 20, STANTON, TX 79782					
<b>CERTIFICATE</b>					
I declare under penalties prescribed in Section 91.143, Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision, and that I am qualified to make this certification by virtue of my training and experience, and by my analysis of the operation being certified, or by the analysis of qualified person working under my supervision, and that the data and facts stated therein are true, correct, and complete, to the best of my knowledge.					
		PRESIDENT		432 7562902 7/11/17	
Representative of Company		Title		Phone No.    Date	

**RAILROAD COMMISSION USE ONLY**

This operation and the equipment used therein is approved on the basis of the above certification and is subject to further Commission audit for compliance with the required provisions of Statewide Rule 36. This approval may be cancelled if investigation determines that the operation does not comply with the provisions of Statewide Rule 36.

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

REMARKS: \_\_\_\_\_ CERTIFICATION NUMBER: \_\_\_\_\_





## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

**Date Issued:** 03 April 2017      **GAU Number:** 168986

<b>Attention:</b>	MWS PRODUCING, INC. PO BOX 100 STANTON, TX 79782	<b>API Number:</b>	
<b>Operator No.:</b>	597379	<b>County:</b>	CROCKETT
		<b>Lease Name:</b>	UNIVERSITY 22B
		<b>Lease Number:</b>	
		<b>Well Number:</b>	1
		<b>Total Vertical Depth:</b>	2500
		<b>Latitude:</b>	31.001440
		<b>Longitude:</b>	-101.355291
		<b>Datum:</b>	NAD27

**Purpose:** New Drill  
**Location:** Survey-UL; Block-47; Section-22

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 Santa Rosa, which is estimated to occur at a depth between 750 and 800 feet, must be protected.

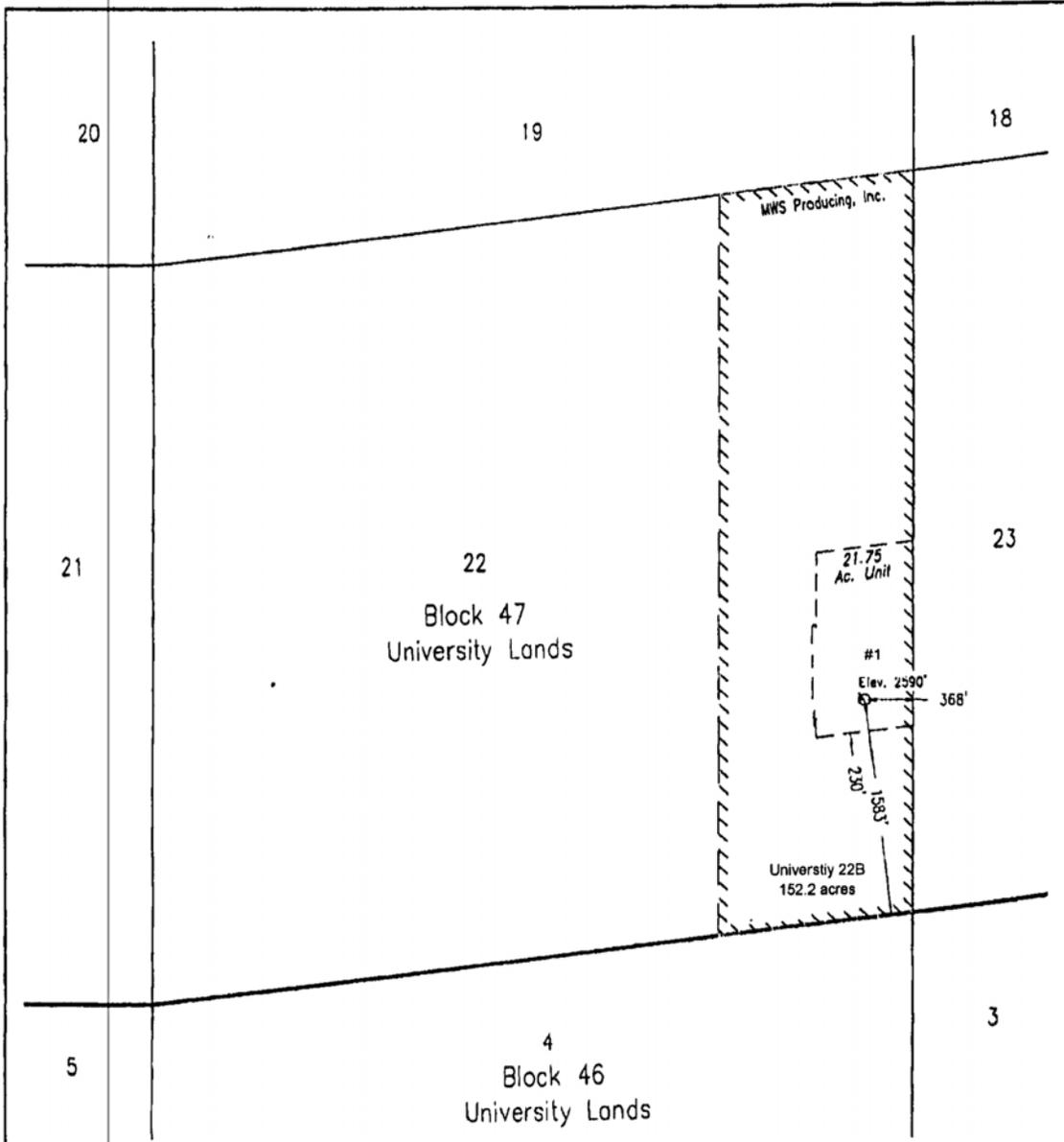
This recommendation is applicable to all wells within a radius of 1500 feet of this location.

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 03/21/2017. 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

Form GW-2      P.O. Box 12967      Austin, Texas      78771-2967      512-463-2741      Internet address: www.rrc.texas.gov  
Rev. 02/2014



*Michael L. Stanford*



This plot is for Texas Railroad Commission Permit Purposes Only and is NOT a boundary survey and is NOT to be used to convey or establish interests in real property.

BASIS OF BEARINGS is the Texas State Plane Coordinate System Central Zone NAD 27.

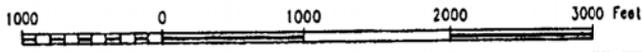
Application for Well No. 2  
14.5 Miles Southeast of Big Lake, Texas.

Date Well Location Staked April 29, 2015

NAD 27 X = 1679827'  
NAD 27 Y = 486906'

EMERGENCY RESPONSE LOCATOR

NAD 27 Lat. = 31°00'05.18" / 31.001440  
NAD 27 Long. = -101°21'19.05" / -101.355292



MWS Producing, Inc.  
University 22B #1 - 1583' FSL & 368' FEL  
Section 22, Block 47, University Lands Survey  
Crockett County, Texas

**STANFORD SURVEYING COMPANY**  
P.O. BOX 8490  
MIDLAND, TEXAS 79708-8490  
TBPLS Firm No. 10128400 432-699-5708

DRAWN BY Daniel Blair Rev. 05-04-2015 ACP DATE 05-01-2015 SCALE 1" = 1000' FILE NAME A-10195