



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 08/15/2017
Tracking No.: 176503

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.: 42-105-42383 County: CROCKETT
Well No.: 5 RRC District No.: 7C
Lease Name: UNIVERSITY "3" Field Name: FARMER (SAN ANDRES)
RRC Lease No.: 09506 Field No.: 30243500
Location: Section: 3, Block: 46, Survey: UL, Abstract: U437

Latitude: Longitude:
This well is located 15 miles in a NORTHWEST
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: 07/08/2017

Type of Permit Date Permit No.
Permit to Drill, Plug Back, or Deepen 04/17/2017 825317
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION

Spud date: 05/22/2017 Date of first production after rig released: 07/08/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 05/22/2017 Date plug back, deepening, recompletion, or drilling operation ended: 05/26/2017
Number of producing wells on this lease in this field (reservoir) including this well: 4 Distance to nearest well in lease & reservoir (ft.): 1357.0
Total number of acres in lease: 363.95 Elevation (ft.): 2652 RKB
Total depth TVD (ft.): 2225 Total depth MD (ft.):
Plug back depth TVD (ft.): 2137 Plug back depth MD (ft.):
Was directional survey made other than inclination (Form W-12)? No Rotation time within surface casing (hours): 33.0
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: 338.0 Feet from the South Line and
1843.0 Feet from the East Line of the
UNIVERSITY 3 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.): 850.0	Date: 04/03/2017
SWR 13 Exception		Depth (ft.):	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION		
Date of test: 07/10/2017		Production method: Pumping
Number of hours tested: 24		Choke size:
Was swab used during this test?	No	Oil produced prior to test: 64.00
PRODUCTION DURING TEST PERIOD:		
Oil (BBLS): 48.00		Gas (MCF): 35
Gas - Oil Ratio: 729		Flowing Tubing Pressure:
Water (BBLS): 40		
CALCULATED 24-HOUR RATE		
Oil (BBLS): 48.0		Gas (MCF): 35
Oil Gravity - API - 60.:	34.2	Casing Pressure: 100.00
Water (BBLS): 40		

CASING RECORD											
Row	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size	Size	Depth	Stage	Tool		Amount	Volume	Cement	Determined
		(in.)	(in.)	(ft.)	Depth (ft.)	Depth (ft.)	Class	(sacks)	(cu. ft.)	(ft.)	By
1	Surface	8 5/8	12 1/4	891			C	760	1079.0	SURF	Circulated to Surface
2	Conventional Production	4 1/2	7 7/8	2182			C	300	452.0	ACE	1160 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 (ft.)	Packer Depth (ft.)/Type
1	2 3/8	1826	/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
1	No	L 1880	1973.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed?		Yes	
Is well equipped with a downhole actuation sleeve?		If yes, actuation pressure (PSIG):	
No			
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		Actual maximum pressure (PSIG) during hydraulic fracturing:	
4250		3791	
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	143340# SAND AND 2837 BBL GEL WATER	1880 1973

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	1519.0		Yes	
SAN ANDRES	Yes	1790.0		Yes	TOP OF GRAYBURG
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)?

Is the completion being downhole commingled (SWR 10)?

No

Yes

REMARKS

RRC REMARKS
<div><div>PUBLIC COMMENTS:</div><div>CASING RECORD :</div><div>TUBING RECORD:</div><div>PRODUCING/INJECTION/DISPOSAL INTERVAL :</div><div>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</div><div>POTENTIAL TEST DATA:</div></div>

OPERATOR'S CERTIFICATION	
Printed Name: Mike Swinson	Title:
Telephone No.: (432) 756-2902	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

CEMENTING REPORT

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

OPERATOR INFORMATION

Operator Name: MWS Producing, INC Operator P-5 No.: 597379
Cementer Name: Powerflex Services Inc. Cementer P-5 No.: 674967

WELL INFORMATION

District No.: 7C County: Crockett
Well No.: 5 API No.: 42-105-42383 Drilling Permit No.: 825317
Lease Name: University 3 Lease No.: 09506
Field Name: FARMER (SAN AMARES) Field No.: 30243500

I. CASING CEMENTING DATA

Type of casing: ☐ Conductor ☒ Surface ☐ Intermediate ☐ Liner ☐ Production
Drilled hole size (in.): 12 1/4 Depth of drilled hole (ft.): 900 Est. % wash-out or hole enlargement: 30
Size of casing in O.D. (in.): 8 5/8 Casing weight (lbs/ft) and grade: 24 No. of centralizers used: 10
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.): 891 Top of liner (ft.):
Setting depth liner (ft.):
Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): Cementing date: 5-23&24-17

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	200	C	4% gel, 2% CC, 1/4# Floccle	340	824
2	250	C	2% CC, 1/4# Floccle	330	800
3	310	C	Neat	409	991
Total	760			1079	2615

II. CASING CEMENTING DATA

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

SLURRY

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

III. CASING CEMENTING DATA

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

SLURRY

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

	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.

Johnny Stout/Cementer

Powerflex Services Inc.

Name and title of cementer's representative

Cementing Company

Signature

PO Box 666

Winters, TX 79567

325-754-2000

5-23&24-17

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

Typed or printed name of operator's representative

Title

Signature

PO BOX 100 STANTON TX 79782

432

756 2402

7/13/2017

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

Instructions for Form W-15, Cementing Report

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

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



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Form W-15

Rev. 08/2014

CEMENTING REPORT

Cementor: Fill in shaded areas.

Operator: Fill in other items.

OPERATOR INFORMATION

Operator Name: MWS Producing, LLC	Operator P-5 No.: 597379
Cementor Name: Powerflex Services Inc.	Cementor P-5 No.: 674967

WELL INFORMATION

District No.: 7C	County: Crockett	
Well No.: 5	API No.: 42-105-42383	Drilling Permit No.: 025317
Lease Name: University 3	Lease No.: 09506	
Field Name: FARMER (SAN ANDRES)	Field No.: 30243500	

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.): 2225	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	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.): 2182	Top of liner (ft.):
	Setting depth liner (ft.):	
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date: 5-26-17

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	100	C	6% gel, 1% CC, 1/4# Floccs	188	825
2	200	C	3# Salt, 1/4# Floccs	264	1150
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.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight (lbs/ft) and grade Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Setting depth shoe (ft.):	
Hrs. waiting on cement before drill-out:	Calculated top of cement (ft.):	Cementing date:

SLURRY

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

III. CASING CEMENTING DATA

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

SLURRY

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

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
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Size of hole or pipe (in.)							
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CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
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Johnny Stout/Cementer

Powerflex Services Inc.

Signature

Name and title of cementer's representative

Cementing Company

PO Box 666

Winters, TX 79567

325-754-2000

5-26-17

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

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MICHAEL W. SWINSON

PRESIDENT

Signature

Typed or printed name of operator's representative

Title

POB 100

STANTON TX 79782

432

756-2902

7/13/2017

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

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- Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

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

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

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report)		6. RRC District 7C
1. FIELD NAME (as per RRC Records or Wildcat) Farmer (San Andres)		7. RRC Lease Number. (Oil completions only) 09506
2. LEASE NAME University 3		8. Well Number 5
3. OPERATOR MWS Producing, Inc.		9. RRC Identification Number (Gas completions only)
4. ADDRESS PO Box 100 Stanton, TX 79782		10. County CROCKETT
5. LOCATION (Section, Block, and Survey) 15 miles NW direction form Ozona		

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)
497	497	0.50	0.87	4.34	4.34
834	337	0.50	0.87	2.94	7.28
1320	486	0.75	1.31	6.36	13.64
1862	542	0.75	1.31	7.09	20.73
2173	311	0.75	1.31	4.07	24.80

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 2173 feet = 24.80 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 338 feet.
21. Minimum distance to lease line as prescribed by field rules 330 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 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> <div style="border-top: 1px solid black; margin-top: 10px;"> </div> <div style="border-top: 1px solid black; margin-top: 5px;"> Signature of Authorized Representative James R. Phillips, Member Name of Person and Title (type or print) Blue Line Drilling Co., LLC Name of Company Telephone: (325) 653-1891 Area Code </div>	<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> <div style="border-top: 1px solid black; margin-top: 10px;"> </div> <div style="border-top: 1px solid black; margin-top: 5px;"> Signature of Authorized Representative MICHAEL W. SWINSON Name of Person and Title (type or print) MWS PRODUCING INC Operator Telephone: 432 756 2902 Area Code </div>
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Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

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

Tracking No.: 176503

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: 07/08/2017
Field Name FARMER (SAN ANDRES)	Drilling Permit No. 825317	
Lease Name UNIVERSITY "3"	Lease/ID No. 09506	Well No. 5
County CROCKETT	API No. 42- 105-42383	

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

07/13/2017

Date

-FOR RAILROAD COMMISSION USE ONLY-



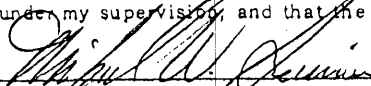
Gamma Ray / CCL Cement Bond Log

Company MWS Producing, Inc. Well University 3-5 Field Farmer (San Andres) County Crockett State Texas	Company MWS Producing, Inc.			
	Well University 3-5			
	Field Farmer (San Andres)			
	County Crockett State Texas			
	Location:		API #: 42-105-42383	
		338' FSL & 1843' FEL University Lands Survey SEC 22 BLK ABS		
		Elevation 2640'		Other Service
		Permanent Datum Ground Level		Elevation
		Log Measured From Kelly Bushing		K.B. 2652'
		Drilling Measured From Kelly Bushing		D.F. 2640'
Date		June 05, 2017		
Run Number		One		
Depth Driller		2214'		
Depth Logger		2137'		
Bottom Logged Interval		2137'		
Top Log Interval		1000'		
Open Hole Size		7.875"		
Type Fluid		KCL		
Density / Viscosity				
Max. Recorded Temp.				
Estimated Cement Top		1160'		
Time Well Ready		11:00		
Time Logger on Bottom		11:30		
Equipment Number		49		
Location		San Angelo		
Recorded By		Wesley Carrell		
Witnessed By		Mike Swinson		
Borehole Record				Tubing Record
Run Number	Bit	From	To	Size
				Weight
				From
				To
Casing Record		Size	Wgt/Ft	Top
Surface String				Bottom
Prot. String				
Production String		4.5"	11.60	Surface
Liner				2214'

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. P.O. Box 1404			5. City Stanton		6. State TX	
7. Zip Code 79782						
8. Name of Lease, Facility or Operation Univerity 3			9. Field or Area Name Farmer (SanAndreas)		10. County Crockett	
11. General Operation Type - Circle One: (A) Oil Field Production B - Gas Field Production C - Pipeline or Gathering Sys. D - Gasoline Plant E - Drilling or Workover F - Sweetening Unit G - Combination (explain) H - Other (explain)			Other Explanation			
12. RRC ID# of Operation(s) to be Covered by This Certificate 09506			Type ID Code (See Instruction 12) 1		Indicate if Filing for Storage Facility Only YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
13. Hydrogen Sulfide Concentration 2667 PPM			14. Maximum Escape Volume less than 2 MCF/Day			
15. 100 PPM Radius of Exposure (ROE) 4 Ft.			16. 500 PPM Radius of Exposure (ROE) 2 Ft.			
17. Operation is Existing <input checked="" type="checkbox"/> New <input type="checkbox"/>			18. Modification Resulting in Certificate Change Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
19. Workover or Drilling Well with 100 PPM ROE Greater than 3000' feet on Rule 36 Certified Well/Lease			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
20. Previous Certificate Number if Available (For Amended Certificates) N/A						
21. The 100 PPM ROE includes any part of a public area except a public road			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
22. The 500 PPM ROE includes any part of a public road			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
23. Injection of fluid containing Hydrogen Sulfide (See Instruction 14)			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
24. Date (or Depth) of Compliance with all applicable provisions of Rule 36 05 / 20 / 19 99 Mo Day Year						
25. Contingency Plan Location of Plan (See Instruction 15)			Has been prepared Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
26. Location of data used to prepare this certificate (See Instruction 15) MWS Producing, Inc. 3154 W. FM 3113 Stanton, TX 79782						
CERTIFICATE						
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.						
Representative of Company 			Title President		Phone No. (915) 756-2902	
					Date 5/20/99	

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: _____

MWS PRODUCING, INC.		Mike Swinson	
Name (print)		Signature	
		<input checked="checked" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator <i>(see instruction G)</i>	
Title		Date	
mwsprod@msn.com		07/13/2017	
E-mail Address (optional)		Phone with area code	
		(432) 756-2902	

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 03 April 2017**GAU Number:** 168987**Attention:** MWS PRODUCING, INC.
PO BOX 100
STANTON, TX 79782**Operator No.:** 597379**API Number:****County:** CROCKETT**Lease Name:** University 3**Lease Number:****Well Number:** 5**Total Vertical Depth:** 2500**Latitude:** 30.984379**Longitude:** -101.341475**Datum:** NAD27**Purpose:** New Drill**Location:** Survey-UL; Block-46; Section-3

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 800 and 850 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

