



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Work in Progress
Date:
Tracking No.: 131636

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

OPERATOR INFORMATION

Operator Name: SHERIDAN PRODUCTION COMPANY, LLC Operator No.: 775854
Operator Address: 9 GREENWAY PLAZA STE 1300 HOUSTON, TX 77046-0000

WELL INFORMATION

API No.: 42-003-44686 County: ANDREWS
Well No.: 3 RRC District No.: 08
Lease Name: UNIVERSITY 15 SW Field Name: FUHRMAN-MASCHO
RRC Lease No.: 43350 Field No.: 33176001
Location: Section: 15, Block: 10, Survey: UL, Abstract:

Latitude: Longitude:
This well is located 13 miles in a SW
direction from ANDREWS,
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: 11/18/2012
Type of Permit Date Permit No.
Permit to Drill, Plug Back, or Deepen 08/30/2012 746889
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION

Spud date: 09/30/2012 Date of first production after rig released: 11/18/2012
Date plug back, deepening, recompletion, or drilling operation commenced: 09/30/2012 Date plug back, deepening, recompletion, or drilling operation ended: 10/05/2012
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: 84.00 Elevation (ft.): 3212 GL
Total depth TVD (ft.): 4782 Total depth MD (ft.):
Plug back depth TVD (ft.): 4738 Plug back depth MD (ft.):
Was directional survey made other than inclination (Form W-12)? No Rotation time within surface casing (hours): 24.0
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No Multiple completion? No
Type(s) of electric or other log(s) run: Combo of Induction/Neutron/Density
Electric Log Other Description:
Location of well, relative to nearest lease boundaries Off Lease : No
of lease on which this well is located: 589.0 Feet from the North Line and
1171.0 Feet from the East Line of the
UNIVERSITY 15 SW 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.): 1600.0

Date: 08/22/2012

SWR 13 Exception

Depth (ft.):

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 12/07/2012

Production method: Pumping

Number of hours tested: 24

Choke size:

Was swab used during this test? No

Oil produced prior to test:

PRODUCTION DURING TEST PERIOD:

Oil (BBLs): 7.00

Gas (MCF): 22

Gas - Oil Ratio: 3142

Flowing Tubing Pressure:

Water (BBLs): 222

CALCULATED 24-HOUR RATE

Oil (BBLs): 7.0

Gas (MCF): 22

Oil Gravity - API - 60.: 32.2

Casing Pressure:

Water (BBLs): 222

CASING RECORD

Row	Type of Casing	Casing Hole Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Tool Depth (ft.)	Multi - Stage Shoe Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	8 5/8	12 1/4	1731		CLASS C	700	1251.0	0	Circulated to Surface
2	Conventional Production	5 1/2	7 7/8	4782		CLASS C	700	1483.0	0	Circulated to Surface

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
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N/A

TUBING RECORD

Row	Size (in.)	Depth Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	4499	/

PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
1	No	L 4340	4478.0

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

Was hydraulic fracturing treatment performed? No

Is well equipped with a downhole actuation sleeve? No

If yes, actuation pressure (PSIG):

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:

Actual maximum pressure (PSIG) during hydraulic fracturing:

Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)? No

Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Acid	23212# TOTAL PROP; 942 BBLs TOTAL FLUID, 394 BBLs 15% NEFE HCL	4340 4478

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	3685.0		Yes	
LOWER GRAYBURG	Yes	4240.0		Yes	
SAN ANDRES	Yes	4560.0		Yes	
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:**

NEW WELL COMPLETION - FILED THIS IP W-2 TO CORRECT THE IP W-2 THAT SANDRIDGE DID (TRACKING #61336) THAT HAD NO OIL PRODUCTION

OPERATOR'S CERTIFICATION

Printed Name: Mary Sutton

Title: Regulatory Analyst

Telephone No.: (432) 253-7966

Date Certified: 03/30/2015

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

Form W-15
Cementing Report
Rev. 4/1/83
HLBRTN1096

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1 Operator's Name (As Shown on Form P-5, Organization Report)	2 RRC Operator No	3 RRC District No	4 County of Well Site
SANDRIDGE EXPLORATION & PRODUCTION	748011	08	ANDREWS
5 Field Name (Wildcat or Exactly as Shown on RRC Records)	6 API No	7 Drilling Permit No	
Fuhrman Mascho	42-003-44686	746889	
8 Lease Name	9 Rule 37 Case No	10 Oil Lease/Gas ID No	11 Well Number
UNIVERSITY 15 SW			3

CASING CEMENTING DATA		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date		10/1/2012					
13. *Drilled Hole Size		12 1/4					
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)		8 5/8					
15. Top of Liner (ft)							
16. Setting Depth (ft)		1731					
17. Number of Centralizers Used		10					
18. Hrs. Waiting on Cement Before Drill-Out		12+					
1 st Slurry	19. API Cement Used: No. of Sacks >	500					
	Class >	C					
	Additives >	REMARKS 1					
2 nd Slurry	No. of Sacks >	200					
	Class >	C					
	Additives >	REMARKS 2					
3 rd Slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >	915					
	Height (ft) >	2217					
2nd	Volume (cu.ft.) >	336					
	Height (ft) >	814					
3rd	Volume (cu.ft.) >						
	Height (ft) >						
	Volume (cu.ft.) >	1251					
	Height (ft) >	3031					
21. Was Cement Circulated to Ground Surface (or Bottom of Cella) Outside Casing?		YES					
22. Remarks 1 6% Gel + 3% Salt + 1/8#/Sk Celloflake 2 2% CaCl2							

OVER ➔

42-003-44086

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing Date								
24. Size of Hole or Pipe Plugged (in)								
25. Depth to Bottom of Tubing or Drill Pipe (ft)								
26. Sacks of Cement Used (each plug)								
27. Slurry Volume Pumped (cu ft)								
28. Calculated Top of Plug (ft)								
29. Measured Top of Plug, If Tagged (ft)								
30. Slurry Wt. (lbs/gal)								
31. Type Cement								

CEMENTERS 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.

M. SIGALA SERVICE SUPERVISOR
Name and Title of Cementer's Representative

O-TEX PUMPING SERVICES
Cementing Company

Signature

2611 East I-20
Address

Midland, Texas 79706
City State Zip Code

432-686-8559
Tel. Area Code Number

10/1/2012
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.

Rolando Madrid
Typed or Printed Name of Operator's Representative

Operator Rep.
Title

Rdt MHI
Signature

123 P.S. Kern OKC OK 73102
Address City State Zip Code

405-429-5658
Tel. Area Code Number

10/1/12
Date Mo Day Yr

Instruction to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

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. Form W-15 should be filed with the following:

- * An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- * Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- * Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written applications, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 12 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. 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.

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

Form W-15
Cementing Report
Rev. 4/1/83
HLBRTN1096

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1 Operator's Name (As Shown on Form P-5, Organization Report)	2 RRC Operator No	3 RRC District No	4 County of Well Site
SANDRIDGE EXPLORATION & PRODUCTION	748011	08	ANDREWS
5 Field Name (Wildcat or Exactly as Shown on RRC Records)	6 API No	7 Drilling Permit No	
Fuhrman Mascho	42-003-44686	746889	
8 Lease Name	9 Rule 37 Case No	10 Oil Lease/Gas ID No	11 Well Number
UNIVERSITY 15SW			#3

CASING CEMENTING DATA		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date				10/5/2012			
13. *Drilled Hole Size				7 7/8			
*Ext. % Wash or Hole Enlargement							
14. Size of Casing (in. O.D.)				5 1/2			
15. Top of Liner (ft)							
16. Setting Depth (ft)				4782			
17. Number of Centralizers Used				30			
18. Hrs. Waiting on Cement Before Drill-Out				12+			
1st Slurry	19. API Cement Used: No. of Sacks >			500			
	Class >			C			
	Additives >			REMARK 1			
2nd Slurry	No. of Sacks >			200			
	Class >			C			
	Additives >			REMARK 2			
3rd Slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >			1225			
	Height (ft) >			7071			
2nd	Volume (cu.ft.) >			258			
	Height (ft) >			1489			
3rd	Volume (cu.ft.) >						
	Height (ft) >						
	Volume (cu.ft.) >			1483			
	Height (ft) >			8560			
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?				NO			
22. Remarks 1 10%Gel + 3#sk/Kol-Seal + 1/4#sk/Celloflake + 5%Salt 2 2%Gel +5%Salt							

OVER ➔

42-003-44686

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing Date								
24. Size of Hole or Pipe Plugged (in)								
25. Depth to Bottom of Tubing or Drill Pipe (ft)								
26. Sacks of Cement Used (each plug)								
27. Slurry Volume Pumped (cu ft)								
28. Calculated Top of Plug (ft)								
29. Measured Top of Plug, If Tagged (ft)								
30. Slurry Wt. (lbs/gal)								
31. Type Cement								

CEMENTERS 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.

JR GALVAN SERVICE-SUPERVISOR
Name and Title of Cementer's Representative

O-TEX PUMPING SERVICES
Cementing Company

Signature

2611 East I-20
Address City State Zip Code

432-686-8559
Tel. Area Code Number

10/5/2012
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.

Typed or Printed Name of Operators Representative

Title

Signature

123 R.S. Kern OK OK 73102
Address City State Zip Code

405-429-5658
Tel. Area Code Number

11/28/2012
Date: Mo. Day Yr

Instruction to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

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. Form W-15 should be filed with the following:

- * An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- * Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- * Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written applications, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 12 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. 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.

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

Form W- 12
(1-1-71)
FOD12:96

42-003-44086

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report)		
1. FIELD NAME (as per RRC Records or Wildcat) FUHRMAN-MASCHO		2. LEASE NAME UNIVERSITY 15 SW
3. OPERATOR SANDRIDGE EXPL. AND PROD., LLC		6. RRC District 08
4. ADDRESS 123 ROBERT S. KERR AVE. OKLAHOMA CITY, OK 73102		7. RRC Lease Number. (Oil completions only)
5. LOCATION (Section, Block, and Survey) SEC. 15, BLK. 10, UL, A-		8. Well Number 3
		9. RRC Identification Number (Gas completions only)
		10. County ANDREWS

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)
249	2.49	0.53	0.93	2.31	2.31
750	5.01	0.45	0.79	3.95	6.26
1245	4.95	0.41	0.72	3.56	9.82
1729	4.84	0.38	0.66	3.19	13.01
2220	4.91	1.11	1.94	9.52	22.53
2726	5.06	3.85	6.72	34.00	56.53
3481	7.55	2.32	4.05	30.57	87.10
4070	5.89	1.40	2.44	14.37	101.47
4748	6.78	0.89	1.55	10.50	111.97

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 4748 feet = 111.97 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..... 589 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> <p><i>Ross Kirtley</i> _____ Signature of Authorized Representative ROSS KIRTLEY, VP SERVICES Name of Person and Title (type or print) LARIAT SERVICES, INC. Name of Company Telephone: (405) 429-5507 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 here in except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>Zach Green</i> _____ Signature of Authorized Representative ZACH GREEN <i>Reg. Technician</i> Name of Person and Title (type or print) Sandridge Exp. T Prod. Operator Telephone: 405-429-5658 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.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

ELECTRIC LOG
STATUS REPORT

FORM L-1

Tracking No.: 131636

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: SHERIDAN PRODUCTION COMPANY, LLC	District No. 08	Completion Date: 11/18/2012
Field Name FUHRMAN-MASCHO	Drilling Permit No. 746889	
Lease Name UNIVERSITY 15 SW	Lease/ID No. 43350	Well No. 3
County ANDREWS	API No. 42- 003-44686	

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). _____

Mary Sutton

Signature

SHERIDAN PRODUCTION COMPANY, LLC

Name (print)

Regulatory Analyst

Title

(432) 253-7966

Phone

03/30/2015

Date

-FOR RAILROAD COMMISSION USE ONLY-



COMPANY SANDRIDGE		WELL UNIVERSITY #15 SW		FIELD FUHRMAN MASCHO		CNTY ANDREWS STATE TX	
COUNTY ANDREWS		STATE TEXAS		LOCATION: 761' FSL & 1540' FWL SEC.15, BLK 10, UL SURVEY SEC. 15 TWP.N/A RGEN/A		OTHER SERVICES: API # 42-003-44686	
PERM. DATUM GROUND LEVEL				ELEV. 3212		ELEV.:K.B. 3225	
LOG MEASURED FROM K.B. 13 FT. ABOVE PERMANENT DATUM						D.F. 3224	
DRILLING MEASURED FROM KELLY BUSHING						G.L. 3212	
DATE	10/9/2012						
RUN NO.	ONE						
DEPTH DRILLER	N/A						
DEPTH LOGGER	4738						
BTM. LOG INTERVAL	4738						
TOP LOG INTERVAL	2500						
OPEN HOLE SIZE	7.875						
TYPE FLUID	WATER						
DENS.	N/A			N/A			
MAX. REC. TEMP.	N/A						
EST. CEMENT TOP	N/A						
TIME WELL READY	ON ARRIVAL						
TIME LOGGER ON BTM.	SEE LOG						
EQUIP. NO.	14069						
LOCATION	HOBBS, NM						
RECORDED BY	J. FOREMAN						
WITNESSED BY	RANDY MABRY						
BOREHOLE RECORD				TUBING RECORD			
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
CASING RECORD	SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM	
SURFACE STRING	8.625				SURF.	N/A	
PROT. STRING							
PROD. STRING	5.5	15.5			SURF.	T.D.	
LINER							

All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from any interpretation or recommendation made by any of our employees or agents.

[illegible]

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date August 22, 2012

GAU File No.: SC- 15376

***** EXPEDITED APPLICATION *****

API Number C0300000

Attention: DANA ALANIZ

RRC Lease No. 000000

SC_748011_C0300000_000000_15376.pdf

SANDRIDGE E&P LLC 123 ROBERT S KERR OKLAHOMA CITY OK 73102	--Measured--	Digital Map Location:	
	1540 ft FWL	X-coord/Long	<u>6747755</u>
	761 ft FSL	Y-coord/Lat	<u>6768669</u>
	MRI:SECTION	Datum <u>27</u>	Zone <u>NC</u>
P-5# 748011			

County ANDREWS

Lease & Well No. UNIVERSITY 15 SW #3 & ALL

Purpose ND

Location SUR-UL, BLK-10, SEC-15, -- [TD-5200], [RRC 8],

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

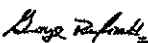
The interval from the land surface to a depth of 275 feet and the ZONE from 1100 feet to 1600 feet must be protected.

This recommendation is applicable to all wells drilled in this LEASE IN SECTION 15.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to a streamer disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-463-2741, gsu@rrc.state.tx.us, or by mail.

Sincerely,


Digitally signed by George Dunfield
DN: cn=Dunfield, o=Texas Railroad Commission, ou=Groundwater Advisory Unit, email=gsu@rrc.state.tx.us, c=US
Date: 2012.08.22 11:15:40 -0700

George Dunfield, P.G.

Geologist, Groundwater Advisory Unit
Oil & Gas Division

GEOLOGIST SEAL



The seal appearing on this document was authorized by George Dunfield on 8/22/2012
Note: Alteration of this electronic document will invalidate the digital signature.

9051R Transition Form Rev. 01/2011 P.O. Box 12867 Austin, Texas 78711-2967 512-463-2741 Internet address: www.rrc.state.tx.us