

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Tracking No.: 70041

Status: Submitted

This facsimile W-2 was generated electronically
from data submitted to the RRC.

API No. **42- 003-44976**

7. RRC District No.
08

8. RRC Lease No.

Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat) SHAFTER LAKE, N. (SAN ANDRES)		2. LEASE NAME UNIVERSITY A		9. Well No. 9	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) SANDRIDGE EXPL. AND PROD., LLC			RRC Operator No. 748011		10. County of well site ANDREWS
4. ADDRESS 123 ROBERT S KERR AVE OKLAHOMA CITY, OK 73102-6406					
5. If Operator has changed within last 60 days, name former operator					
6a. Location (Section, Block, and Survey) 17 , 14 , UL , A-U457			6b. Distance and direction to nearest town in this county. 12 MILES NW FROM ANDREWS		
11. Purpose of filing					
Initial Potential <input checked="" type="checkbox"/>					
Retest <input type="checkbox"/>					
Reclass <input type="checkbox"/>					
Well record only (Explain in remarks) <input type="checkbox"/>					
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. FIELD & RESERVOIR N/A				GAS ID or OIL LEASE #	
				Oil-G Gas-G	
				Well #	
13. Type of electric or other log run COMP NEUTRON				14. Completion or recompletion date 03/16/2013	

SECTION I- POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified infield rules.

15. Date of test 03/22/2013		16. No. of hours tested 24		17. Production method (Flowing, Gas Lift, Jetting, Pumping- Size & Type of pump) Pumping		18. Choke size	
19. Production during Test Period		Oil - BBLS 40.0		Gas - MCF 9		Water - BBLS 190	
				Gas - Oil Ratio 225		Flowing Tubing Pressure PSI	
20. Calculated 24-Hour Rate		Oil - BBLS 40.0		Gas - MCF 9		Water - BBLS 190	
				Oil Gravity-API-60° 32.0		Casing Pressure PSI	
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				22. Oil produced prior to test (New & Reworked wells)		23. Injection Gas-Oil Ratio	
REMARKS: N/A							

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTERS CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct and complete, to the best of my knowledge.

SANDRIDGE EXPL. AND PROD., LLC

Type or printed name of operator's representative

(405) 429-6572

03/28/2013

Telephone: Area Code

Number

Month Day Year

Regulatory Tech

Title of Person

Trina Cooper

Signature

SECTION III DATA ON WELL COMPLETION AND LOG (Not Required on Retest)

24. Type of Completion
 New Well Deepening Plug Back Other

25. Permit to Drill, Plug Back or Deepen DATE 12/20/2012 PERMIT NO. 753134
 Rule 37 Exception CASE NO.

26. Notice of Intention to Drill this well was filed in Name of SANDRIDGE EXPL. AND PROD., LLC
 Water Injection Permit PERMIT NO.

27. Number of producing wells on this lease in this field (reservoir) including this well 2
 28. Total number of acres in this lease 165.0
 Salt Water Disposal Permit PERMIT NO.

29. Date Plug Back, Deepening, Workover or Drilling Operations: Commenced 02/15/2013 Completed 02/19/2013 30. Distance to nearest well, Same Lease & Reservoir 991.0
 Other PERMIT NO.

31. Location of well, relative to nearest lease boundaries 1393.0 Feet From South Line and 304.0 Feet from East Line of the UNIVERSITY A Lease

32. Elevation (DF, RKB, RT, GR ETC.) 3171 GL
 33. Was directional survey made other than inclination (Form W-12)? Yes No

34. Top of Pay 4322 MD:4362 35. Total Depth 4723 MD:4763 36. P. B. Depth 4681 MD:4721
 37. Surface Casing Determined by Field Rules Recommendation of T.D.W.R. Dt. of Letter 05/20/2010
 Railroad Commission (Special) Dt. of Letter

38. Is well multiple completion? Yes No

39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. FIELD & RESERVOIR N/A
 GAS ID or OIL LEASE # Oil-G Gas-G Well #

40. Intervals Drilled by: Rotary Tools Cable Tools 41. Name of Drilling Contractor LARIAT
 42. Is Cementing Affidavit Attached? Yes No

43. CASING RECORD (Report All Strings Set in Well)

CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
8 5/8	24.0	1742		C 700	12 1/4	SURF	1225.0
5 1/2	15.5	4763		C 700	7 7/8	SURF	1495.0

44. LINER RECORD

Size	Top	Bottom	Sacks Cement	Screen
N/A				

45. TUBING RECORD

Size	Depth Set	Packer Set	From	To
2 7/8	4450		4362	4584
			From	To
			From	To

46. Producing Interval (this completion) Indicate depth of perforation or open hole

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Depth Interval	Amount and Kind of Material Used
4362.0 - 4584.0	222964# TOTAL PROP; 2000 GALS 7.5% ACID; 180 BBLS TOTAL FLUID

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Formations	Depth	Formations	Depth
QUEEN	3700.0 MD: 3770.0		
LOWER GRAYBURG	4400.0 MD: 4405.0		
SAN ANDRES	4500.0 MD: 4530.0		
REMARKS: N/A			

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

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report) <i>Sandridge Expl + Prod</i>	2. RRC Operator No. <i>748011</i>	3. RRC District No. <i>08</i>	4. County of Well Site <i>Andrews</i>
5. Field Name (Wildcat or exactly as shown on RRC Records) <i>Shafter Lake, N (San Andres)</i>		6. API No. <i>42.003.44976</i>	7. Drilling Permit No. <i>753134</i>
8. Lease Name <i>University A</i>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. <i>#9</i>

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		02.16.2013					
13. • Drilled Hole Size		12 1/4					
• Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)		8 5/8					
15. Top of liner (ft.)							
16. Setting depth (ft.)		<i>1742</i>					
17. Number of centralizers used		<i>10</i>					
18. Hrs. Waiting on cement before drill-out		<i>12+</i>					
1 st Slurry	19. API cement used: No. of sacks ▶	500					
	Class ▶	C					
	Additives ▶	See Remarks					
2 nd Slurry	No. of sacks ▶	200					
	Class ▶	C					
	Additives ▶	See Remarks					
3 rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1 st	20. Slurry pumped: Volume (cu. ft.) ▶	955					
	Height (ft.) ▶	2312					
2 nd	Volume (cu. ft.) ▶	270					
	Height (ft.) ▶	654					
3 rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶	1225					
	Height (ft.) ▶	2966					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing ?		YES					

(22). Remarks #1: Slurry Additives: 65/35 C 5% Salt, 3% Kol Seal, 10% Gel, .2% Flo-1, .13% CelloFlake
Remarks #2: Slurry Additives: 50/50 C .2% Flo-1, 5% Salt, 2% Gel
Circ. 97sks 33bbls To Surface

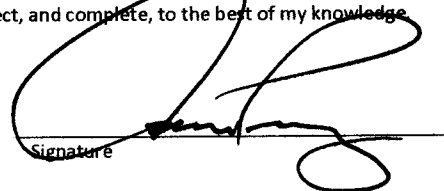
42 003 44976

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. (lb/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties 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.

Aaron Perez Service Supervisor
Name and title of cementer's representative

TRICAN WELL SERVICE
Cementing Company


Signature

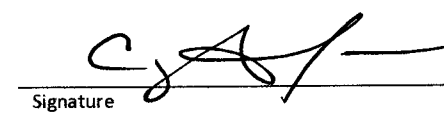
8200 E I-20 Odessa, TX 79765 423.488.3800 02.16.2013
Address City, State, Zip Code Tel: Area Code Number Date: mo. Day yr.

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.

Cory Aleman
Typed or printed name of operator's representative

Co-man
Title


Signature

123 Robert S. Kerr Ave., OKC, OK 73102 405 429 6572 2.16.13
Address City, State, Zip Code Tel.: Area Code Number Date: mo. day yr.

Instructions 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 rates;
 - 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 Form 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 Committee.
- 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 Non-deviated 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 application, 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 13 (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 foot 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 1,000 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.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report) <i>Sandridge Expl + Prod.</i>	2. RRC Operator No. <i>748011</i>	3. RRC District No. <i>08</i>	4. County of Well Site <i>Andrews</i>
5. Field Name (Wildcat or exactly as shown on RRC Records) <i>Shafter Lake, N (San Andres)</i>		6. API No. <i>42-003-44976</i>	7. Drilling Permit No. <i>753134</i>
8. Lease Name <i>University A</i>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. <i>#9</i>

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				<i>2/19/13</i>			
13. • Drilled Hole Size				<i>7 7/8</i>			
• Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)				<i>5 1/2</i>			
15. Top of liner (ft.)							
16. Setting depth (ft.)				<i>4763</i>			
17. Number of centralizers used				<i>30</i>			
18. Hrs. Waiting on cement before drill-out				<i>12+</i>			
1 st Slurry	19. API cement used: No. of sacks ▶			500			
	Class ▶			C			
	Additives ▶			Remarks			
2 nd Slurry	No. of sacks ▶			200			
	Class ▶			C			
	Additives ▶			Remarks			
3 rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1 st	20. Slurry pumped: Volume (cu. ft.) ▶			1235			
	Height (ft.) ▶			7128			
2 nd	Volume (cu. ft.) ▶			260			
	Height (ft.) ▶			1501			
3 rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶			1495			
	Height (ft.) ▶			8629			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing ?				Yes			

(22). Remarks #1: Slurry Additives: 50/50 C Blend, 0.2% FLO-1, 5% Salt, 0.13% Celloflake, 3% Kol-Seal, 10% Bentonite
Remarks #2: Slurry Additives: 50/50 C Blend, 2% Bentonite, 0.2% FLO-1, 5% Salt

Circulated 77 sls cement to surface

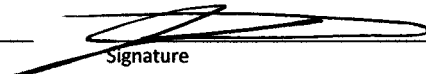
42 003 44976

CEMENTING TO PLUG AND ABANDON	Squeeze #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. (lb/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties 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.

John Sanders Service Supervisor
Name and title of cementer's representative

TRICAN WELL SERVICE
Cementing Company


Signature

8200 E I-20

Odessa, TX 79765
City, State, Zip Code

423.488.3800
Tel: Area Code Number

Feb 19, 2013
Date: mo. Day yr.

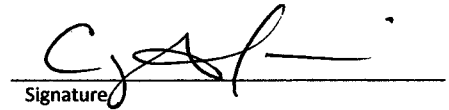
Address

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.

Cory Aleman
Typed or printed name of operator's representative

C. man
Title


Signature

123 Robert S. Kerr Ave., OKC, OK 73102

Address City, State, Zip Code

405 429 6572
Tel.: Area Code Number

2.19.13
Date: mo. day yr.

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

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

42 003 44976

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report)		6. RRC District 08
1. FIELD NAME (as per RRC Records or Wildcat) SHAFTER LAKE, N. (SAN ANDRES)	2. LEASE NAME UNIVERSITY A	7. RRC Lease Number. (Oil completions only)
3. OPERATOR SANDRIDGE EXPL. AND PROD., LLC		8. Well Number 9
4. ADDRESS 123 ROBERT S. KERR AVE. OKLAHOMA CITY, OK 73102		9. RRC Identification Number (Gas completions only)
5. LOCATION (Section, Block, and Survey) SEC. 17, BLK. 14, UL, A-U457		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)
234	2.34	0.50	0.87	2.03	2.03
734	5.00	0.50	0.87	4.35	6.38
1244	5.10	0.90	1.57	8.00	14.38
1817	5.73	0.57	0.99	5.67	20.05
2329	5.12	2.20	3.84	19.66	39.71
2833	5.04	2.51	4.38	22.07	61.78
3580	7.47	2.15	3.75	28.01	89.79
3958	3.78	1.98	3.46	13.07	102.86
4336	3.78	1.54	2.69	10.16	113.02
4672	3.36	0.66	1.15	3.86	116.88

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 4672 feet = 116.88 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..... 304 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? **YES, PERMITTED AS DIRECTIONAL**
(If the answer to the above question is "yes," attach written explanation of the circumstances.)

INCLINATION DATA CERTIFICATION

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.

G. Dykes
Signature of Authorized Representative
GREG DYKES SR., VP- SERVICES
Name of Person and Title (type or print)
LARIAT SERVICES, INC.
Name of Company
Telephone: (405) 429-5506
Area Code

OPERATOR CERTIFICATION

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.

Trina Cooper
Signature of Authorized Representative
Trina Cooper
Name of Person and Title (type or print)
SandRidge Expl. and Prod., LLC
Operator
Telephone: 405 429 6572
Area Code

Railroad Commission Use Only:
Approved By: _____ Title: _____ Date: _____
* Designates items certified by company that conducted the inclination surveys.

Tracking No.: 70041

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: SANDRIDGE EXPL. AND PROD., LLC	District No. 08	Completion Date: 03/16/2013
Field Name SHAFTER LAKE, N. (SAN ANDRES)	Drilling Permit No. 753134	
Lease Name UNIVERSITY A	Lease/ID No.	Well No. 9
County ANDREWS	API No. 42- 003-44976	

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). _____

Trina Cooper _____ Signature SANDRIDGE EXPL. AND PROD., LLC _____ Name (print)	Regulatory Tech _____ Title (405) 429-6572 _____ Phone 03/28/2013 _____ Date
---	--

-FOR RAILROAD COMMISSION USE ONLY-



Texas Commission
on Environmental Quality
Surface Casing Program

DEPTH OF USABLE-QUALITY GROUND WATER TO BE PROTECTED

Date May 20, 2010

TCEQ File No. SC-13500

API Number 00300887

Attention: ED HOLLOWAY

RRC Lease No. 000000

SO_616981_00300887_000000_13500.pdf

OK ARENA OPERATING CO
6555 S LEWIS AVE
TULSA OK 74136

--Measured--
2173 ft FRL
2173 ft FNL
MRI: SURVEY

Digital Map Location	
X-coord/Long	102.65784
Y-coord/Lat	32.41957
Datum	27 Zone

P-# 616981

County ANDREWS

Lease & Well No. UNIVERSITY H #16ALL

Purpose H15

Location SUR-UL, BLK-14, SEC-17, --(TD=5000), [RRC 8],

To protect usable-quality ground water at this location, the Texas Commission on Environmental Quality recommends:

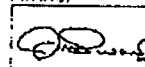
The interval from the land surface to a depth of 300 feet
and the ZONE from 1200 feet to 1625 feet must be protected.

This recommendation is applicable to all wells drilled in this SECTION 17.

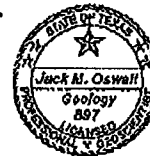
Note: unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Approval of the well completion methods for protection of this groundwater falls under the jurisdiction of the Railroad Commission of Texas. This recommendation is intended for non-petroleum drilling, production, and plugging operations only. It does not apply to a reactor disposal operation into a non-productive zone (RRC Form W-14).

If you have any questions, please contact us at 512-239-0515, rc@tceq.state.tx.us, or by mail MC-151.

Sincerely,


Digitally signed by Jack M. Oswalt
DN: cn=Jack M. Oswalt,
o=TCEQ, ou=Surface Casing Team,
email=Jack.M.Oswalt@tceq.state.tx.us,
c=US

GEOLOGIST SEAL



Jack M. Oswalt, P.G.

Geologist, Surface Casing Team
Waste Permits Division

The seal appearing on this document was authorized by Jack M. Oswalt on 5/20/2010.
Note: Alteration of this electronic document will invalidate the digital signature.

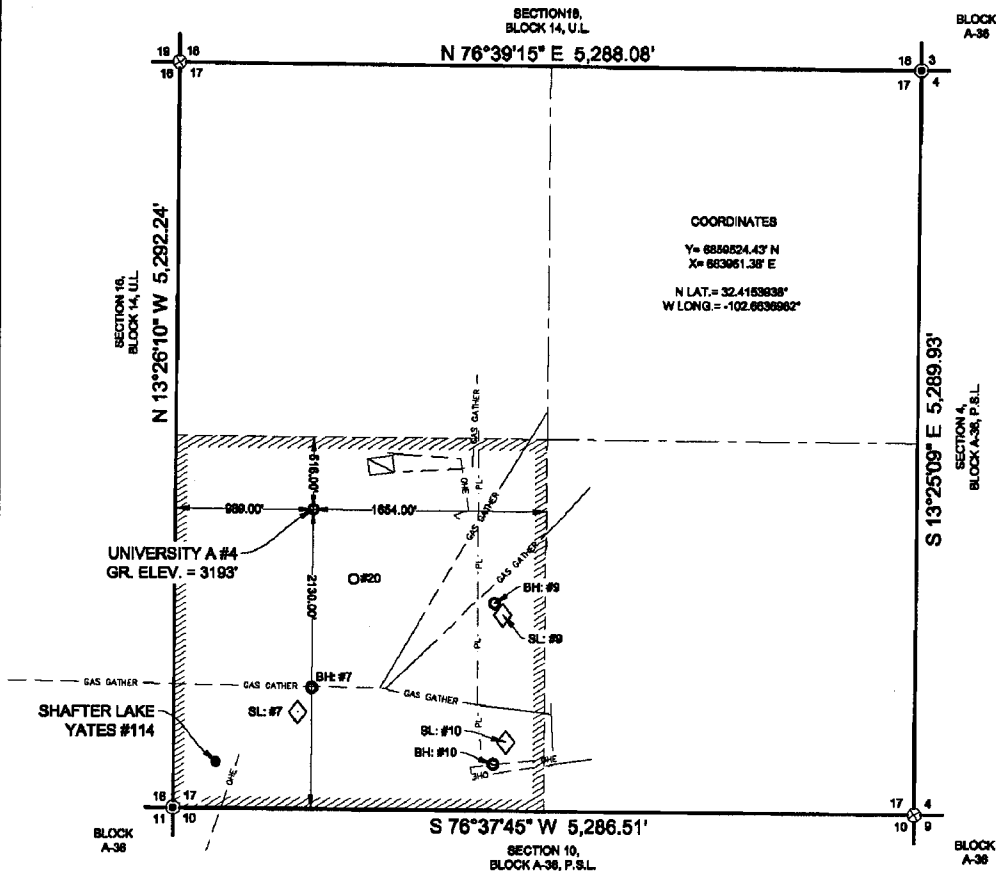
TCEQ Form 00151R
Rev. 12/2008

P.O. Box 13097 Austin, Texas 78711 3037

512 239 1000

Internet address: www.tceq.state.tx.us

SECTION 17, BLOCK 14, U.L.
ANDREWS COUNTY, TEXAS



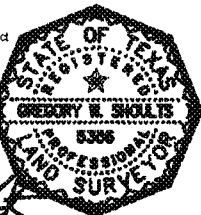
ADJACENT WELLS/ FEATURES

NAME	DISTANCE	NAME	DISTANCE
BH: UNIVERSITY A #7	1270.00'	UNIVERSITY A #20	589.00'
SL: UNIVERSITY A #7	1447.00'	SHAFTER LAKE YATES #114	1924.00'
BH: UNIVERSITY A #9	1447.00'	NEAREST POWERLINE	860.00'
SL: UNIVERSITY A #9	1539.00'	NEAREST PIPELINE	690.00'
BH: UNIVERSITY A #10	2215.00'	TANK BATTERY	469.00'
SL: UNIVERSITY A #10	2146.00'		

NOTES:

- THIS LOCATION IS APPROXIMATELY 12.0 MILES WEST/NORTHWEST OF ANDREWS, TEXAS.
- SEE DOCUMENTS FILED FOR RECORD IN THIS OFFICE, WHICH DESCRIBE THE RECONSTRUCTION OF THIS SECTION.
- BEARINGS, DISTANCES AND COORDINATES ARE RELATIVE TO THE LAMBERT CONICAL PROJECTION OF TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE, 1983 NORTH AMERICAN DATUM.
- LEASE = SW¼. TOTAL ACRES: 165.00 CALLED.
- NAMES TAKEN FROM FIELD SIGNAGE.

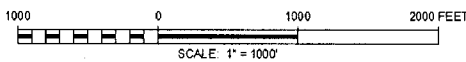
I, the undersigned, do hereby certify that the survey information found on this permit plat was derived from field notes or electronic data of an actual on-the-ground survey made by me or under my supervision and is true and correct to the best of my knowledge and belief. No warranty is made or intended for the location of any or all easements that may exist within the bounds of this survey. The information presented hereon is for Texas Railroad Commission permitting only, and does not constitute or represent a complete boundary survey as defined by the T.B.P.L.S., "Professional Land Surveying Practices Act."



Gregory W. Shoultz, RPLS, No. 5356

December 20, 2012

- LEGEND
- DENOTES PROPOSED/ PERMITTED WELL LOCATION
 - DENOTES EXISTING WELL
 - ⊙ DENOTES FOUND SECTION CORNER
 - ⊗ DENOTES CALCULATED CORNER
 - ▨ DENOTES LEASE AREA
 - DENOTES 1/2 SECTION LINE
 - ⊞ DENOTES TANK BATTERY
 - ◇ DENOTES DIRECTIONAL WELL SURFACE LOCATION



WEST TEXAS CONSULTANTS, INC.
ENGINEERS PLANNERS SURVEYORS
405 S.W. 1st STREET
ANDREWS, TEXAS 79714
(432) 523-2181
TEXAS REGISTERED ENGINEERING FIRM F-2746
TEXAS REGISTERED SURVEYOR FIRM #100792-00

SandRidge

SandRidge Exploration And Production, LLC

UNIVERSITY A #4
LOCATED 2,130 FEET FROM THE SOUTH LINE AND 989 FEET
FROM THE WEST LINE OF SECTION 17, BLOCK 14, U.L.,
ANDREWS COUNTY, TEXAS.

SURVEY DATE: 12/19/2012 JOB No.: WTC48832 DRAWN BY: JUG SHEET 1 OF 3