Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1097037

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: Joe Hileman
Purchaser: Atlas (gas) NCRA (oil)

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

9/20/2012	10/9/2012	10/12/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21669-01-00
Spot Description:
SE - SW - SE - SE Sec. 26 Twp. 33 S. R. 17 ☐ East ☑ West
200 Feet from ☐ North / ☑ South Line of Section
810 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Comanche
Lease Name: Schantz 3317 Well #: 1-35H
Field Name:
Producing Formation: Mississippi
Elevation: Ground: 1797 Kelly Bushing: 1817
Total Vertical Depth: 9910 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 742 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 28000 ppm Fluid volume: 1100 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: West OK Disposal
Lease Name: Smith Estate; Well #1 License #: 99999
Quarter SW Sec. 21 Twp. 23 S. R. 21 ☐ East ☑ West
County: Woodward, OK Permit #: 35153206970000

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 01/16/2013
☑ **Confidential Release Date:** 01/16/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 01/16/2013

1097037

Operator Name: SandRidge Exploration and Production LLC Lease Name: Schantz 3317 Well #: 1-35H

Sec. 26 Twp. 33 S. R. 17 ☐ East ☑ West County: Comanche

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Base Heebner Shale marker	4143	
Lansing Ls/Shale Group	4330	
Osewgo Ls Group	4891	
Cherokee Shale Marker	4951	
Miss Unconformity	5029	
Mississippi 'Solid'	5044	

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 11/5/2012

Producing Method: ☐ Flowing ☐ Pumping ☑ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Schantz 3317 1-35H
Doc ID	1097037

All Electric Logs Run

ML 5in Mud Final
Final Boresight Depiction
CML Impusle Shuttle Array Induction Log
CML Impulse Shuttle Compact Photo Density Compensated Neutron Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Schantz 3317 1-35H
Doc ID	1097037

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9440-9814	4351 bbls water, 36 bbls acid, 75M lbs sd, 4387 TLTR	
5	8995-9352	4651 bbls water, 36 bbls acid, 75M lbs sd, 9226 TLTR	
5	8490-8890	4231 bbls water, 36 bbls acid, 75M lbs sd, 13618 TLTR	
5	8044-8404	4234 bbls water, 36 bbls acid, 75M lbs sd, 17987 TLTR	
5	7658-7963	4209 bbls water, 36 bbls acid, 75M lbs sd, 22319 TLTR	
5	7220-7540	4194 bbls water, 36 bbls acid, 75M lbs sd, 26662 TLTR	
5	6710-7138	4187 bbls water, 36 bbls acid, 75M lbs sd, 30943 TLTR	
5	6090-6550	3858 bbls water, 36 bbls acid, 75M lbs sd, 34937 TLTR	
5	5717-5998	4109 bbls water, 36 bbls acid, 75M lbs sd, 39134 TLTR	
5	5278-5532	4244 bbls water, 36 bbls acid, 75M lbs sd, 43427 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Schantz 3317 1-35H
Doc ID	1097037

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	32	20	75	90	Mid-Continent Conductor grout	10	none
Surface	12.25	9.63	36	742	O-Tex Lite Premium Pluc	430	2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5541	50/50 Poz Premium "H"/ Premium "H"	225	4% gel, .4% C12, .1% C37, .5% C41P, 2 lb/sk Phenoseal
Production Liner	6.12	4.5	11.6	8910	50/50 Premium Poz	510	4% gel, .4% C12, .1% C37, .5% C-41P, 2 lb/sk Phenoseal

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

December 26, 2012

Tiffany Golay
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-033-21669-01-00
Schantz 3317 1-35H
SE/4 Sec.26-33S-17W
Comanche County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Tiffany Golay

SandRidge Energy

Comanche County (KS27S)
Sec 26-T33S-R17W
Schantz 3317 1-35H

Wellbore #1

Survey: MWD Surveys

Standard Survey Report

10 October, 2012

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Schantz 3317 1-35H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 26-T33S-R17W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Schantz 3317 1-35H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 2003.21 Single User Db

Design	Wellbore #1			
Audit Notes:				
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.0	0.0	0.0	178.82

Survey Program **Date** 2012/10/10

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
768.0	9,910.0	MWD Surveys (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
768.0	0.10	249.60	768.0	-0.2	-0.6	0.2	0.01	0.01	0.00
First MWD Survey									
952.0	0.50	258.80	952.0	-0.4	-1.6	0.4	0.22	0.22	5.00
1,427.0	0.90	304.50	1,427.0	1.3	-6.7	-1.4	0.14	0.08	9.62
1,903.0	0.20	285.00	1,902.9	3.6	-10.6	-3.8	0.15	-0.15	-4.10
2,379.0	0.60	312.30	2,378.9	5.5	-13.2	-5.8	0.09	0.08	5.74
2,856.0	0.40	329.30	2,855.9	8.6	-15.9	-8.9	0.05	-0.04	3.56
3,330.0	0.60	320.90	3,329.9	12.0	-18.3	-12.3	0.04	0.04	-1.77
3,807.0	0.40	335.20	3,806.9	15.4	-20.6	-15.8	0.05	-0.04	3.00
3,902.0	0.50	274.00	3,901.9	15.7	-21.1	-16.2	0.49	0.11	-64.42
3,997.0	0.30	222.10	3,996.9	15.6	-21.7	-16.0	0.41	-0.21	-54.63
4,092.0	0.40	213.00	4,091.9	15.1	-22.1	-15.6	0.12	0.11	-9.58
4,156.0	0.50	184.10	4,155.9	14.6	-22.2	-15.1	0.38	0.16	-45.16
4,188.0	0.60	131.00	4,187.9	14.4	-22.1	-14.8	1.56	0.31	-165.94
4,220.0	1.70	169.20	4,219.9	13.8	-21.9	-14.3	4.01	3.44	119.38
4,252.0	4.30	177.30	4,251.8	12.2	-21.7	-12.6	8.21	8.13	25.31
4,283.0	6.30	180.00	4,282.7	9.3	-21.7	-9.7	6.50	6.45	8.71
4,315.0	8.30	180.40	4,314.4	5.2	-21.7	-5.7	6.25	6.25	1.25
4,347.0	10.60	178.50	4,346.0	0.0	-21.6	-0.4	7.25	7.19	-5.94
4,379.0	13.10	175.10	4,377.3	-6.6	-21.2	6.1	8.11	7.81	-10.63
4,411.0	15.50	173.80	4,408.3	-14.4	-20.5	14.0	7.57	7.50	-4.06
4,442.0	18.10	174.60	4,438.0	-23.4	-19.6	23.0	8.42	8.39	2.58
4,474.0	20.60	175.20	4,468.2	-33.9	-18.6	33.5	7.84	7.81	1.88
4,506.0	23.10	176.30	4,497.9	-45.8	-17.8	45.4	7.92	7.81	3.44
4,537.0	25.20	177.70	4,526.1	-58.5	-17.1	58.1	7.02	6.77	4.52
4,569.0	26.90	179.20	4,554.9	-72.5	-16.7	72.1	5.70	5.31	4.69
4,601.0	28.60	180.60	4,583.2	-87.4	-16.7	87.0	5.69	5.31	4.38
4,633.0	30.40	181.00	4,611.1	-103.2	-16.9	102.8	5.66	5.63	1.25
4,664.0	32.50	182.10	4,637.5	-119.3	-17.4	118.9	7.02	6.77	3.55
4,696.0	34.80	183.00	4,664.1	-137.0	-18.2	136.6	7.35	7.19	2.81
4,728.0	37.10	181.80	4,690.1	-155.8	-18.9	155.4	7.52	7.19	-3.75
4,760.0	39.30	180.40	4,715.2	-175.6	-19.3	175.2	7.39	6.88	-4.38
4,791.0	41.20	178.40	4,738.9	-195.6	-19.1	195.2	7.41	6.13	-6.45
4,823.0	43.40	177.80	4,762.5	-217.1	-18.4	216.7	6.99	6.88	-1.88
4,855.0	45.50	178.40	4,785.4	-239.5	-17.6	239.1	6.69	6.56	1.88
4,887.0	48.10	177.00	4,807.3	-262.8	-16.7	262.4	8.73	8.13	-4.38
4,918.0	49.80	176.90	4,827.6	-286.2	-15.5	285.8	5.49	5.48	-0.32
4,950.0	50.70	175.90	4,848.1	-310.7	-13.9	310.4	3.70	2.81	-3.13

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Schantz 3317 1-35H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 26-T33S-R17W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Schantz 3317 1-35H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,982.0	50.40	175.80	4,868.4	-335.4	-12.1	335.1	0.97	-0.94	-0.31
5,014.0	50.00	176.20	4,888.9	-359.9	-10.4	359.6	1.58	-1.25	1.25
5,045.0	49.90	176.00	4,908.9	-383.6	-8.8	383.3	0.59	-0.32	-0.65
5,077.0	49.80	175.20	4,929.5	-408.0	-6.9	407.7	1.94	-0.31	-2.50
5,109.0	49.90	175.90	4,950.1	-432.4	-5.0	432.2	1.70	0.31	2.19
5,140.0	52.00	176.20	4,969.7	-456.4	-3.4	456.2	6.82	6.77	0.97
5,172.0	54.90	177.20	4,988.7	-482.0	-1.9	481.9	9.40	9.06	3.13
5,204.0	58.30	177.10	5,006.3	-508.7	-0.6	508.6	10.63	10.63	-0.31
5,236.0	61.20	178.00	5,022.4	-536.3	0.6	536.2	9.38	9.06	2.81
5,267.0	63.90	176.80	5,036.7	-563.8	1.9	563.7	9.36	8.71	-3.87
5,299.0	66.60	176.20	5,050.1	-592.8	3.7	592.8	8.61	8.44	-1.88
5,331.0	69.20	177.40	5,062.2	-622.4	5.3	622.4	8.84	8.13	3.75
5,363.0	71.80	177.50	5,072.8	-652.5	6.6	652.5	8.13	8.13	0.31
5,394.0	74.50	177.20	5,081.8	-682.2	8.0	682.2	8.76	8.71	-0.97
5,426.0	77.10	178.40	5,089.7	-713.2	9.2	713.2	8.90	8.13	3.75
5,458.0	79.50	178.70	5,096.2	-744.5	10.0	744.5	7.56	7.50	0.94
5,490.0	82.10	177.90	5,101.3	-776.1	10.9	776.1	8.49	8.13	-2.50
5,585.0	85.50	179.80	5,111.5	-870.5	12.8	870.5	4.09	3.58	2.00
5,676.0	89.10	177.90	5,115.8	-961.3	14.7	961.4	4.47	3.96	-2.09
5,768.0	89.60	177.70	5,116.9	-1,053.3	18.2	1,053.4	0.59	0.54	-0.22
5,860.0	88.30	176.60	5,118.6	-1,145.1	22.8	1,145.3	1.85	-1.41	-1.20
5,952.0	92.20	179.20	5,118.2	-1,237.0	26.1	1,237.3	5.09	4.24	2.83
6,044.0	88.20	174.50	5,117.8	-1,328.9	31.2	1,329.2	6.71	-4.35	-5.11
6,136.0	88.60	175.80	5,120.4	-1,420.5	39.0	1,421.0	1.48	0.43	1.41
6,228.0	91.80	176.60	5,120.1	-1,512.3	45.1	1,512.9	3.59	3.48	0.87
6,320.0	92.70	175.40	5,116.5	-1,604.0	51.5	1,604.7	1.63	0.98	-1.30
6,412.0	92.30	176.40	5,112.5	-1,695.6	58.0	1,696.5	1.17	-0.43	1.09
6,504.0	92.00	175.70	5,109.0	-1,787.4	64.4	1,788.3	0.83	-0.33	-0.76
6,596.0	91.80	175.80	5,106.0	-1,879.1	71.2	1,880.1	0.24	-0.22	0.11
6,688.0	91.60	175.50	5,103.2	-1,970.8	78.2	1,971.9	0.39	-0.22	-0.33
6,780.0	91.60	173.80	5,100.7	-2,062.3	86.7	2,063.7	1.85	0.00	-1.85
6,872.0	91.60	175.00	5,098.1	-2,153.8	95.7	2,155.4	1.30	0.00	1.30
6,964.0	89.80	175.40	5,097.0	-2,245.5	103.4	2,247.2	2.00	-1.96	0.43
7,060.0	89.10	177.50	5,097.9	-2,341.3	109.3	2,343.1	2.31	-0.73	2.19
7,155.0	86.70	177.00	5,101.4	-2,436.1	113.9	2,438.0	2.58	-2.53	-0.53
7,251.0	88.90	178.60	5,105.1	-2,532.0	117.6	2,533.9	2.83	2.29	1.67
7,347.0	89.30	179.20	5,106.6	-2,627.9	119.4	2,629.9	0.75	0.42	0.63
7,442.0	90.90	180.60	5,106.4	-2,722.9	119.6	2,724.8	2.24	1.68	1.47
7,538.0	89.40	179.30	5,106.1	-2,818.9	119.7	2,820.8	2.07	-1.56	-1.35
7,633.0	91.40	180.40	5,105.5	-2,913.9	119.9	2,915.8	2.40	2.11	1.16
7,729.0	90.60	179.40	5,103.8	-3,009.9	120.1	3,011.7	1.33	-0.83	-1.04
7,824.0	91.70	178.60	5,101.9	-3,104.9	121.7	3,106.7	1.43	1.16	-0.84
7,920.0	91.60	177.60	5,099.1	-3,200.8	124.9	3,202.7	1.05	-0.10	-1.04
8,015.0	91.00	178.40	5,097.0	-3,295.7	128.2	3,297.6	1.05	-0.63	0.84
8,111.0	90.50	179.90	5,095.7	-3,391.7	129.7	3,393.6	1.65	-0.52	1.56
8,207.0	90.20	181.10	5,095.1	-3,487.7	128.8	3,489.6	1.29	-0.31	1.25
8,303.0	90.60	180.60	5,094.5	-3,583.7	127.4	3,585.5	0.67	0.42	-0.52
8,398.0	91.70	183.50	5,092.6	-3,678.6	124.0	3,680.3	3.26	1.16	3.05
8,494.0	90.70	182.90	5,090.5	-3,774.4	118.7	3,776.0	1.21	-1.04	-0.63
8,589.0	89.70	181.90	5,090.2	-3,869.3	114.7	3,870.8	1.49	-1.05	-1.05
8,685.0	89.20	181.60	5,091.1	-3,965.3	111.7	3,966.7	0.61	-0.52	-0.31
8,781.0	89.10	181.80	5,092.6	-4,061.2	108.9	4,062.6	0.23	-0.10	0.21
8,877.0	88.20	180.60	5,094.8	-4,157.2	106.9	4,158.5	1.56	-0.94	-1.25
8,972.0	89.90	181.40	5,096.4	-4,252.1	105.2	4,253.4	1.98	1.79	0.84

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Schantz 3317 1-35H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 26-T33S-R17W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Schantz 3317 1-35H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 2003.21 Single User Db

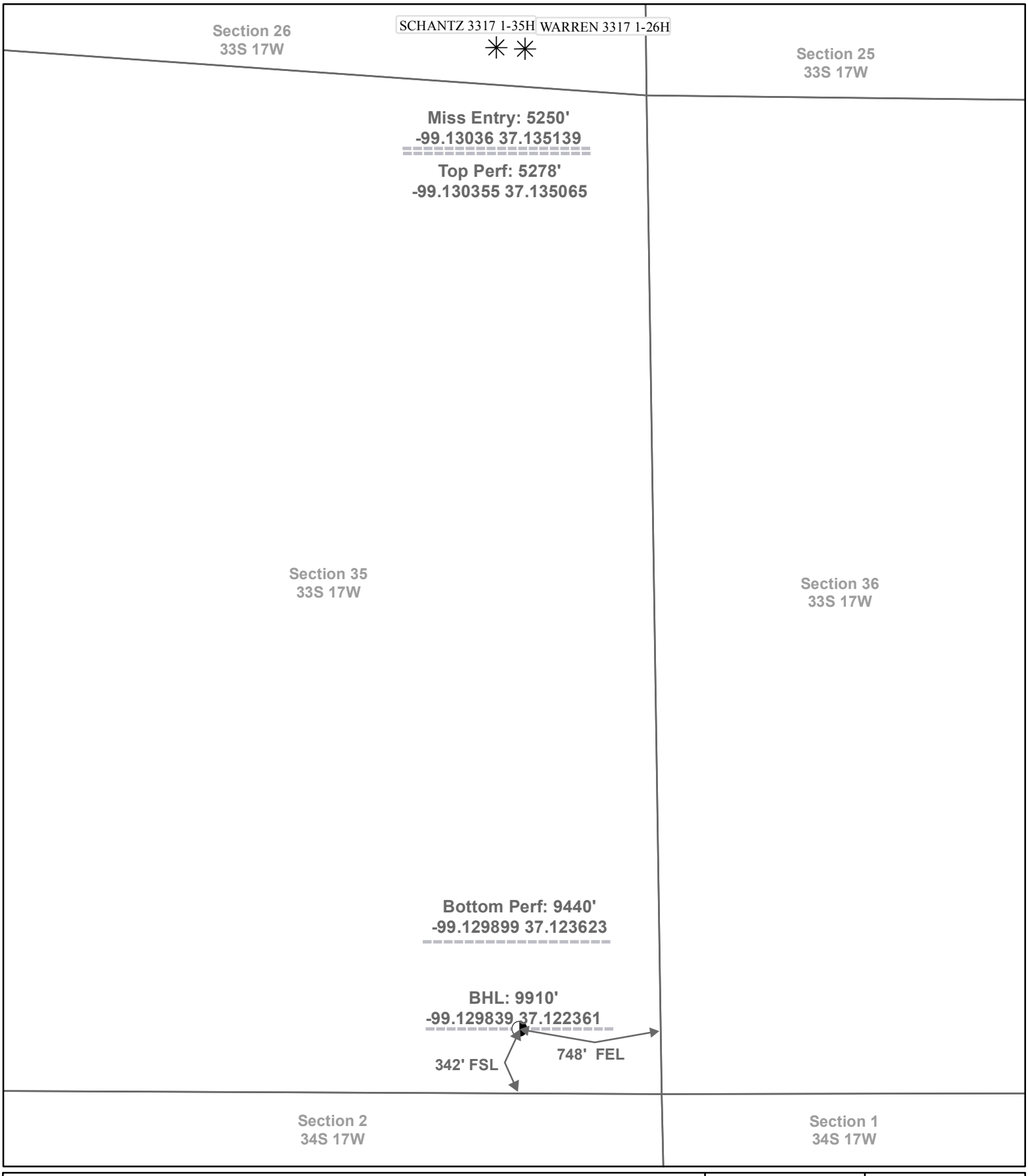
Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,068.0	90.20	179.80	5,096.3	-4,348.1	104.2	4,349.3	1.70	0.31	-1.67
9,163.0	89.10	180.00	5,096.9	-4,443.1	104.4	4,444.3	1.18	-1.16	0.21
9,259.0	88.80	179.70	5,098.7	-4,539.1	104.6	4,540.3	0.44	-0.31	-0.31
9,355.0	89.20	179.20	5,100.3	-4,635.1	105.6	4,636.3	0.67	0.42	-0.52
9,450.0	89.50	179.50	5,101.4	-4,730.1	106.6	4,731.3	0.45	0.32	0.32
9,546.0	90.10	179.80	5,101.7	-4,826.1	107.2	4,827.2	0.70	0.63	0.31
9,642.0	90.20	179.60	5,101.5	-4,922.1	107.7	4,923.2	0.23	0.10	-0.21
9,737.0	91.00	176.80	5,100.5	-5,017.0	110.7	5,018.2	3.07	0.84	-2.95
9,833.0	90.90	176.60	5,098.9	-5,112.8	116.2	5,114.1	0.23	-0.10	-0.21
9,860.0	90.80	176.50	5,098.5	-5,139.8	117.9	5,141.1	0.52	-0.37	-0.37
Last MWD Survey									
9,909.4	90.80	176.50	5,097.8	-5,189.1	120.9	5,190.5	0.00	0.00	0.00
Schantz 3317 1-35H PBHL									
9,910.0	90.80	176.50	5,097.8	-5,189.7	120.9	5,191.1	0.00	0.00	0.00
Proj to TD									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
768.0	768.0	-0.2	-0.6	First MWD Survey
9,860.0	5,098.5	-5,139.8	117.9	Last MWD Survey
9,910.0	5,097.8	-5,189.7	120.9	Proj to TD

Checked By: _____ Approved By: _____ Date: _____



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Schantz 3317 1-35H
Comanche County, Kansas
T&R: 33S 17W
Section: 35, 748' FEL & 342' FSL
Long/Lat: -99.129839 37.122361

1 in = 668 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 1/10/2013
Drawing Name/Number: Addendum_Schantz_1-35H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Mid-Continent Conductor, LLC

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400
Fax: (580)254-3242

Invoice

Date	Invoice #
9/20/2012	1493

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
Carl Miller	Net 45	9/20/2012	Schantz 3317 1-35H, Comanche Cnty,...	Lariat 38

Item	Quantity	Description
Conductor Hole	90	Drilled 90 ft. conductor hole
20" Pipe	90	Furnished 90 ft. of 20 inch conductor pipe
Mouse Hole	80	Drilled 80 ft. mouse hole
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe
Cellar Hole	1	Drilled 6' X 6' cellar hole
6' X 6' Tinhorn	1	Furnished and set 6' X 6' tinhorn
Mud and Water	1	Furnished mud and water
Transport Truck - Conductor	1	Transport mud and water to location
Grout & Trucking	10	Furnished grout and trucking to location
Grout Pump	1	Furnished grout pump
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Furnished labor and equipment for dirt removal
Cover Plate	1	Furnished cover plates
Permits	1	Permits

Subtotal	$17,800.00
Sales Tax (0.0%)	$0.00
Total	$17,800.00

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1936	09/29/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	Felix Ortiz Jr.

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Schantz 3317	1-35H	Surface	Larry Kirchner Jr.

EMP NAME		EMP NAME		EMP NAME		EMP NAME	
Larry Kirchner Jr.		Wesley					
John Hall							
Wallace Berry							
James Keen							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 750

	Called Out	On Location	Job Started	Job Completed
Date	9/29/2012	9/29/2012	9/29/2012	9/29/2012
Time	9:00AM	12:00PM	3:07PM	4:15PM

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing	New	36#	9 5/8"	Surface	742	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	742'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9		Lb/Gal
Disp. Fluid	Fresh Water	Density 8.33		Lb/Gal
Spacer type	resh Wate	BBL. 10		8.33
Spacer type		BBL.		
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	
Perfpac Balls		Qty.		
Other				
Other				
Other				
Other				
Other				

Hours On Location

Date	Hours
9/29	4.2
Total	4.2

Operating Hours

Date	Hours
9/29	2.0
Total	2.0

Description of Job

Surface

Pressures

MAX	1,500 PSI	AVG.	115

Average Rates in BPM

MAX	6 BPM	AVG	5

Cement Left in Pipe

Feet	46	Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	290	-TEX Lite Premium Plus "	((65/35/6) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	160	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:		Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	54	Calc.Disp Bbl 54
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 54.00
Average		Bump Plug PSI:		Final Circ.	PSI:	250	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	133.0	
				Total Volume	BBl	197.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 1955	10/04/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Roger Barber

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Schantz 3317	1-35H	Intermediate	Robert Burris

EMP NAME		EMP NAME		EMP NAME		EMP NAME	
Robert Burris		Frank James					
Robert Burris							
Jessie McClain							
Rocky Anthis							

Form. Name _____ Type: _____

Packer Type _____ Set At 4,209

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 6545

	Called Out	On Location	Job Started	Job Completed
Date	10/4/2012	10/4/2012	10/4/2012	10/4/2012
Time	04:30	08:15	09:35	10:40

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface	5,546	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,545	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	Gel	BBL. 30		8.59
Spacer type		BBL.		
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
10/4	3.0
Total	3.0

Operating Hours

Date	Hours
10/4	1.0
Total	1.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 650

Average Rates in BPM

MAX 8 BPM AVG 4.5

Cement Left in Pipe

Feet 91 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	125	50/50 POZ PREMIUM "H"	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	100	Premium "H"	0.4% C-12 - 0.1% C-37	5.20	1.18	15.60
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:		Preflush:	BBl	30.00	Type: WEIGHTED SP.
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 209
		Actual TOC	3,982	Calc. TOC:		3,982	Actual Disp. 208.00
Average		Bump Plug PSI:	1,699	Final Circ.	PSI:	1,050	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	53.0	
				Total Volume	BBl	291.00	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

API No.
15-033-21669-01-00
OTC/OCC Operator No.
34192

CEMENTING REPORT
To Accompany Completion Report

Form 1002C
Rev. 1996

OKLAHOMA CORPORATION COMMISSION
Oil & Gas Conservation Division
Post Office Box 52000-2000
Oklahoma City, Oklahoma 73152-2000
OAC 165:10-3-4(h)

All operators must include this form when submitting the Completion Report, (Form 1002A). The signature on this statement must be that of qualified employees of the cementing company and operator to demonstrate compliance with OAC 165:10-3-4(h). It may be advisable to take a copy of this form to location when cementing work is performed.

TYPE OR USE BLACK INK ONLY

*Field Name	Shimmer South					OCC District	
*Operator	Sandridge Exploration & Production					OCC/OTC Operator No	34192
*Well Name/No.	Schantz 3317 1-35H					County	Comanche
*Location	1/4	1/4	1/4	1/4	Sec 26	Twp 33S	Rge 17W

Cement Casing Data	Conductor Casing	Surface Casing	Alternative Casing	Intermediate Casing	Production String	Liner
Cementing Date						10/11/2012
*Size of Drill Bit (Inches)						6.125"
*Estimated % wash or hole enlargement used in calculations						40%
*Size of Casing (inches O.D.)						4.5"
*Top of Liner (if liner used) (ft.)						5095
*Setting Depth of Casing (ft.) from ground level						4828
Type of Cement (API Class) In first (lead) or only slurry						50/50 Premium Poz
In second slurry						N/A
In third slurry						N/A
Sacks of Cement Used In first (lead) or only slurry						510
In second slurry						N/A
In third slurry						N/A
Vol of slurry pumped (Cu ft)(14.X15.) in first (lead) or only slurry						734.4
In second slurry						N/A
In third slurry						N/A
Calculated Annular Height of Cement behind Pipe (ft)						4678
Cement left in pipe (ft)						88

*Amount of Surface Casing Required (from Form 1000) ft.

*Was cement circulated to Ground Surface?	☐ Yes	☑ No	*Was Cement Staging Tool (DV Tool) used?	☐ Yes	☑ No
*Was Cement Bond Log run?	☐ Yes	☑ No (If so, Attach Copy)	*If Yes, at what depth?	ft	

CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE OF FORM

* Designates items to be completed by Operator.
Items **not** so designated shall be completed by the Cementing Company.

Remarks

Cement #1: 50/50 Premium Poz : (4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal * Cement # 2: 0: 0 * Cement #3: 0: 0 * Cement #4: : * Cement #5: :

*Remarks

CEMENTING COMPANY

I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that the cementing of casing 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.

Signature of Cementer or Authorized Representative

OPERATOR

I declare under applicable Corporation Commission rule, 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 and information presented herein.

Signature of Operator or Authorized Representative

Name & Title Printed or Typed	
Robert Burris	
O-TEX Pumping LLC	
Address: **7303 N. Hwy 81**	
City: **Duncan**	
State: **OK**	Zip: **73533**
Telephone (AC) Number: **580-251-9919**	
Date: **October 11, 2012**	

*Name & Title Printed or Typed	
*Operator	
*Address	
*City	
*State	*Zip
*Telephone (AC) Number	
*Date	

INSTRUCTIONS

1. A) This form shall be filed by the operator, at the O.C.C. office in Oklahoma City, as an attachment to the Completion Report (Form 1002A) for a producing well or a dry hole.
   B) An original of this form shall be filed as an attachment to the Completion Report, (Form 1002A), for each cementing company used on a well.
   C) The cementing of different casing strings on a well by one cementing company may be consolidated on one form.
2. Cementing Company and Operator shall comply with the applicable portions of OAC 165:10-3-4(h).
3. Set surface casing 50 feet below depth of treatable water to be protected and cement from casing shoe to ground surface or as allowed by OAC 165:10-3-4(h).
4. **IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, BE SURE TO FOLLOW CORPORATION COMMISSION RULES.**

Tiffany Golay 01/16/013 07:34 am	Conductor weight= 94 lbs/ft
Tiffany Golay 01/10/013 10:06 am	Additional Fluid Mgmt Information: 920 bbls hauled to Gray Mud Disposal, SW/4 15-24N-7W, Garfield, OK, 323003 and 680 bbls hauled to Guard, Inc. 23-22N-13W, Major, OK, 342682.