Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1099674

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 #:

10/11/2012	10/31/2012	11/3/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21676-01-00
Spot Description:
NE - NW - NW - NE Sec. 34 Twp. 33 S. R. 17 ☐ East ☑ West
200 Feet from ☑ North / ☐ South Line of Section
2130 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: Carlisle 3317 Well #: 2-27H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1822 Kelly Bushing: 1841
Total Vertical Depth: 9862 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 365 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: 25000 ppm Fluid volume: 2240 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Guard, Inc
Lease Name: unnamed License #: 99999
Quarter NW Sec. 23 Twp. 22 S. R. 13 ☐ East ☑ West
County: Major, OK Permit #: 342682

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: 02/04/2013
☑ **Confidential Release Date:** 02/04/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 02/05/2013

1099674

Operator Name: SandRidge Exploration and Production LLC Lease Name: Carlisle 3317 Well #: 2-27H

Sec. 34 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	4195	
Lansing Ls/Shale Group	4384	
Oswego Ls Group	4940	
Cherokee Shale Marker	5001	
Miss Unconformity	5081	
Mississippi 'Solid'	5093	

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. 11/23/2012

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	Carlisle 3317 2-27H
Doc ID	1099674

All Electric Logs Run

CML Impulse Shuttle Array Induction Log
ML 5inMD Final
CML Impulse Shuttle Compact Photo Density Compensated Neutron Log
Final Boresight

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Carlisle 3317 2-27H
Doc ID	1099674

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
8	9362-9756	5521 bbls of water, 72 bbls acid, 100M lbs sand, 5521 TLTR	
5	8948-9294	5443 bbls of water, 72 bbls acid, 100M lbs sand, 11105 TLTR	
5	8475-8830	5672 bbls of water, 72 bbls acid, 100M lbs sand, 16874 TLTR	
5	8048-8402	5583 bbls of water, 72 bbls acid, 100M lbs sand, 22595 TLTR	
5	7613-7950	5570 bbls of water, 72 bbls acid, 100M lbs sand, 28293 TLTR	
5	7118-7499	5625 bbls of water, 72 bbls acid, 100M lbs sand, 34022 TLTR	
5	6713-7030	5519 bbls of water, 72 bbls acid, 100M lbs sand, 39592 TLTR	
5	6158-6596	5704 bbls of water, 72 bbls acid, 286M lbs sand, 45332 TLTR	
5	5768-6090	5509 bbls of water, 72 bbls acid, 100M lbs sand, 50861 TLTR	
5	5323-5693	5451 bbls of water, 103 bbls acid, 100M lbs sand, 56356 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Carlisle 3317 2-27H
Doc ID	1099674

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	120	Pro Oilfield Services 8 Sack Grout	14	none
Surface	17.5	13.37	68	365	O-Tex Lite "Class C"/ Class "C"	420	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	12.25	9.63	36	964	O-Tex Lite Premium Plus/ Premium Plus "Class C"	530	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 2	8.75	7	26	5593	50/50 Poz Premium/ Premium	225	4% gel, .4$ C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Carlisle 3317 2-27H
Doc ID	1099674

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Production Liner	6.12	4.5	11.6	9862	50/50 Premium Poz	500	(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/

November 02, 2012

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

Re: ACO1
API 15-033-21676-01-00
Carlisle 3317 2-27H
NE/4 Sec.34-33S-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 34-T33S-R17W
Carlisle 3317 2-27H

Wellbore #1

Survey: MWD Surveys

Standard Survey Report

01 November, 2012

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Carlisle 3317 2-27H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 34-T33S-R17W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Carlisle 3317 2-27H	**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	359.27

Survey Program **Date** 11/01/12

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
1,041.0	9,862.0	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
1,041.0	1.30	69.20	1,040.9	4.2	11.0	4.1	0.12	0.12	0.00
First MWD Survey									
1,231.0	0.90	108.40	1,230.9	4.5	14.5	4.3	0.44	-0.21	20.63
1,517.0	0.70	98.20	1,516.8	3.5	18.3	3.3	0.09	-0.07	-3.57
1,993.0	0.90	63.20	1,992.8	4.8	24.5	4.5	0.11	0.04	-7.35
2,469.0	0.50	333.20	2,468.8	8.3	26.9	8.0	0.22	-0.08	-18.91
2,944.0	0.70	327.20	2,943.8	12.6	24.4	12.3	0.04	0.04	-1.26
3,514.0	0.90	356.40	3,513.7	20.0	22.3	19.7	0.08	0.04	5.12
3,896.0	0.70	5.70	3,895.7	25.3	22.3	25.1	0.06	-0.05	2.43
3,991.0	0.30	343.40	3,990.7	26.2	22.3	25.9	0.46	-0.42	-23.47
4,086.0	0.10	345.40	4,085.7	26.5	22.2	26.2	0.21	-0.21	2.11
4,181.0	0.50	350.00	4,180.7	27.0	22.1	26.7	0.42	0.42	4.84
4,213.0	0.50	342.00	4,212.7	27.2	22.1	26.9	0.22	0.00	-25.00
4,245.0	2.10	2.90	4,244.6	28.0	22.0	27.7	5.13	5.00	65.31
4,277.0	4.70	4.30	4,276.6	29.8	22.2	29.6	8.13	8.13	4.38
4,309.0	6.80	4.00	4,308.4	33.0	22.4	32.8	6.56	6.56	-0.94
4,340.0	8.80	3.20	4,339.1	37.2	22.7	36.9	6.46	6.45	-2.58
4,372.0	10.60	0.80	4,370.7	42.6	22.8	42.3	5.76	5.63	-7.50
4,404.0	12.80	0.50	4,402.0	49.1	22.9	48.8	6.88	6.88	-0.94
4,435.0	15.10	0.80	4,432.1	56.6	23.0	56.3	7.42	7.42	0.97
4,467.0	18.00	2.10	4,462.8	65.7	23.2	65.4	9.14	9.06	4.06
4,499.0	21.00	1.20	4,492.9	76.4	23.5	76.1	9.42	9.38	-2.81
4,531.0	23.30	0.40	4,522.6	88.4	23.7	88.1	7.25	7.19	-2.50
4,562.0	25.40	359.50	4,550.8	101.2	23.7	100.9	6.88	6.77	-2.90
4,594.0	27.40	358.70	4,579.5	115.4	23.5	115.1	6.35	6.25	-2.50
4,626.0	29.50	359.90	4,607.6	130.7	23.3	130.4	6.80	6.56	3.75
4,657.0	31.10	359.70	4,634.4	146.3	23.2	146.0	5.17	5.16	-0.65
4,689.0	32.60	359.00	4,661.5	163.2	23.0	162.9	4.83	4.69	-2.19
4,721.0	34.40	358.80	4,688.2	180.9	22.7	180.6	5.64	5.63	-0.63
4,753.0	35.40	357.00	4,714.5	199.2	22.0	198.9	4.49	3.13	-5.63
4,785.0	37.00	356.20	4,740.3	218.0	20.9	217.7	5.21	5.00	-2.50
4,816.0	39.60	356.70	4,764.6	237.2	19.7	236.9	8.45	8.39	1.61
4,848.0	41.20	358.20	4,789.0	257.9	18.8	257.7	5.85	5.00	4.69
4,880.0	43.10	359.30	4,812.7	279.4	18.3	279.1	6.37	5.94	3.44
4,911.0	44.40	359.80	4,835.1	300.8	18.2	300.6	4.34	4.19	1.61
4,943.0	47.70	0.00	4,857.3	323.9	18.1	323.6	10.32	10.31	0.63
4,975.0	50.20	358.60	4,878.3	348.0	17.8	347.7	8.48	7.81	-4.38
5,007.0	50.70	356.60	4,898.7	372.6	16.8	372.4	5.07	1.56	-6.25

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Carlisle 3317 2-27H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 34-T33S-R17W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Carlisle 3317 2-27H	**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)
5,038.0	50.10	356.20	4,918.5	396.5	15.3	396.2	2.18	-1.94	-1.29
5,070.0	50.10	356.30	4,939.0	421.0	13.7	420.8	0.24	0.00	0.31
5,102.0	49.40	356.00	4,959.7	445.3	12.0	445.1	2.30	-2.19	-0.94
5,134.0	49.80	355.50	4,980.4	469.6	10.2	469.5	1.73	1.25	-1.56
5,165.0	51.30	355.40	5,000.1	493.5	8.3	493.4	4.85	4.84	-0.32
5,197.0	52.50	354.80	5,019.8	518.6	6.2	518.5	4.03	3.75	-1.88
5,229.0	55.40	354.90	5,038.7	544.4	3.9	544.3	9.07	9.06	0.31
5,261.0	57.90	355.80	5,056.3	571.0	1.7	570.9	8.16	7.81	2.81
5,293.0	61.20	357.40	5,072.5	598.5	0.1	598.5	11.18	10.31	5.00
5,324.0	64.60	358.30	5,086.6	626.1	-1.0	626.1	11.27	10.97	2.90
5,356.0	68.00	359.00	5,099.5	655.4	-1.7	655.4	10.81	10.63	2.19
5,388.0	71.90	359.30	5,110.4	685.4	-2.1	685.4	12.22	12.19	0.94
5,419.0	75.00	359.40	5,119.3	715.2	-2.4	715.1	10.00	10.00	0.32
5,451.0	77.30	359.20	5,126.9	746.2	-2.8	746.2	7.21	7.19	-0.63
5,483.0	80.70	357.90	5,133.0	777.6	-3.6	777.6	11.35	10.63	-4.06
5,514.0	83.70	357.80	5,137.2	808.3	-4.8	808.3	9.68	9.68	-0.32
5,546.0	86.80	358.20	5,139.9	840.2	-5.9	840.2	9.77	9.69	1.25
5,614.0	90.70	359.20	5,141.4	908.1	-7.4	908.1	5.92	5.74	1.47
5,674.0	90.90	0.50	5,140.5	968.1	-7.6	968.1	2.19	0.33	2.17
5,765.0	88.50	2.60	5,141.0	1,059.1	-5.1	1,059.0	3.50	-2.64	2.31
5,856.0	86.00	2.40	5,145.4	1,149.9	-1.2	1,149.8	2.76	-2.75	-0.22
5,948.0	85.10	0.00	5,152.5	1,241.6	0.8	1,241.5	2.78	-0.98	-2.61
6,040.0	86.20	357.90	5,159.5	1,333.3	-0.9	1,333.2	2.57	1.20	-2.28
6,132.0	87.60	356.20	5,164.5	1,425.0	-5.6	1,425.0	2.39	1.52	-1.85
6,223.0	88.20	355.90	5,167.8	1,515.7	-11.9	1,515.8	0.74	0.66	-0.33
6,315.0	88.90	354.90	5,170.1	1,607.4	-19.3	1,607.5	1.33	0.76	-1.09
6,407.0	89.90	354.60	5,171.1	1,699.0	-27.7	1,699.2	1.13	1.09	-0.33
6,498.0	92.10	355.90	5,169.5	1,789.7	-35.2	1,790.0	2.81	2.42	1.43
6,591.0	93.90	357.40	5,164.6	1,882.4	-40.7	1,882.8	2.52	1.94	1.61
6,683.0	91.30	359.40	5,160.5	1,974.2	-43.2	1,974.6	3.56	-2.83	2.17
6,775.0	89.00	1.70	5,160.2	2,066.2	-42.3	2,066.6	3.54	-2.50	2.50
6,867.0	88.90	0.70	5,161.9	2,158.2	-40.4	2,158.5	1.09	-0.11	-1.09
6,963.0	89.50	0.70	5,163.2	2,254.2	-39.2	2,254.5	0.63	0.63	0.00
7,058.0	90.20	0.50	5,163.5	2,349.2	-38.3	2,349.5	0.77	0.74	-0.21
7,153.0	89.20	1.10	5,164.0	2,444.2	-36.9	2,444.4	1.23	-1.05	0.63
7,249.0	89.80	1.10	5,164.8	2,540.1	-35.1	2,540.4	0.63	0.63	0.00
7,345.0	88.70	1.80	5,166.1	2,636.1	-32.7	2,636.3	1.36	-1.15	0.73
7,440.0	89.60	1.40	5,167.5	2,731.0	-30.0	2,731.2	1.04	0.95	-0.42
7,536.0	88.70	1.60	5,168.9	2,827.0	-27.5	2,827.1	0.96	-0.94	0.21
7,631.0	88.10	359.50	5,171.6	2,922.0	-26.6	2,922.1	2.30	-0.63	-2.21
7,727.0	88.70	359.10	5,174.3	3,017.9	-27.7	3,018.0	0.75	0.63	-0.42
7,822.0	89.60	358.10	5,175.7	3,112.9	-30.1	3,113.0	1.42	0.95	-1.05
7,918.0	90.20	356.70	5,175.8	3,208.8	-34.4	3,208.9	1.59	0.63	-1.46
8,013.0	90.30	355.90	5,175.4	3,303.6	-40.6	3,303.8	0.85	0.11	-0.84
8,109.0	87.20	353.00	5,177.5	3,399.1	-49.8	3,399.4	4.42	-3.23	-3.02
8,205.0	88.50	356.20	5,181.1	3,494.6	-58.9	3,495.0	3.60	1.35	3.33
8,300.0	89.20	357.20	5,183.0	3,589.4	-64.3	3,589.9	1.28	0.74	1.05
8,396.0	90.20	357.10	5,183.5	3,685.3	-69.1	3,685.8	1.05	1.04	-0.10
8,492.0	90.40	357.10	5,183.0	3,781.1	-74.0	3,781.8	0.21	0.21	0.00
8,587.0	90.80	358.10	5,182.0	3,876.1	-77.9	3,876.7	1.13	0.42	1.05
8,683.0	91.50	0.50	5,180.1	3,972.0	-79.1	3,972.7	2.60	0.73	2.50
8,778.0	93.20	0.60	5,176.2	4,066.9	-78.2	4,067.6	1.79	1.79	0.11
8,874.0	93.10	359.80	5,170.9	4,162.8	-77.9	4,163.4	0.84	-0.10	-0.83
8,970.0	93.10	359.50	5,165.7	4,258.6	-78.4	4,259.3	0.31	0.00	-0.31

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Carlisle 3317 2-27H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 34-T33S-R17W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Carlisle 3317 2-27H	**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)
9,065.0	93.00	359.80	5,160.7	4,353.5	-79.0	4,354.2	0.33	-0.11	0.32
9,161.0	91.00	356.50	5,157.3	4,449.4	-82.1	4,450.1	4.02	-2.08	-3.44
9,256.0	89.90	353.60	5,156.6	4,544.0	-90.3	4,544.8	3.26	-1.16	-3.05
9,351.0	89.10	352.80	5,157.4	4,638.3	-101.6	4,639.3	1.19	-0.84	-0.84
9,447.0	86.40	352.00	5,161.2	4,733.4	-114.3	4,734.5	2.93	-2.81	-0.83
9,543.0	89.30	351.30	5,164.8	4,828.3	-128.2	4,829.6	3.11	3.02	-0.73
9,639.0	93.80	351.30	5,162.2	4,923.2	-142.7	4,924.6	4.69	4.69	0.00
9,734.0	92.90	353.60	5,156.6	5,017.2	-155.2	5,018.7	2.60	-0.95	2.42
9,812.0	92.30	355.40	5,153.1	5,094.7	-162.6	5,096.4	2.43	-0.77	2.31
Last MWD Survey									
9,854.1	92.30	355.40	5,151.4	5,136.7	-166.0	5,138.4	0.00	0.00	0.00
Carlisle 3317 2-27H PBHL									
9,862.0	92.30	355.40	5,151.1	5,144.5	-166.6	5,146.2	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
1,041.0	1,040.9	4.2	11.0	First MWD Survey
9,812.0	5,153.1	5,094.7	-162.6	Last MWD Survey
9,862.0	5,151.1	5,144.5	-166.6	Proj to TD

Checked By: _____ Approved By: _____ Date: _____

JW 11601.

PRO OILFIELD SERVICES, LLC

P.O. BOX 3660
HOUMA, LA 70361-3660

Customer : SAN400

BILL TO : SANDRIDGE ENERGY
123 ROBERT S KERR AVENUE
OKLAHOMA CITY, OK 73102-6406
PHONE: (405) 753-5500 FAX: ()

Division : 0701
Delivery Ticket : 2916
Delivery Date : 10/16/2012
Office : 12/1/1901

Ordered By :
Lease/Well : CARLISLE 3317 #2-27H
Rig Name/Number : LARIATE 38
AFE Number :
Site Contact :

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	CARLISLE 3317 #2-27H	$26,600.00	$0.00	$26,600.00	10/13/2012 10/13/2012	$26,600.00
120	DRILLED 30" CONDUCTOR HOLE	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
120	20" CONDUCTOR PIPE (.250 WALL)	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
75	DRILLED 20" MOUSE HOLE (PER FOOT)	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
75	16" CONDUCTOR PIPE (.375 WALL)	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
1	WELDING SERVICES FOR PIPE & LIDS	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
1	PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
1	PROVIDED PERSONAL TO FACILITATE DIGGTESS (ONE CALL)	$0.00	$0.00	$0.00	10/13/2012 10/13/2012	
	Sub Total:	$26,600.00	$0.00			$26,600.00

AFE Number: DC.12498
Well Name: Carlisle 3317 2-27H
Code: 850.010 850.010
Amount: $26,600.00
Co. Man: Laurence Rogers
Co. Man Sig:
Notes:

Print Name

Signature

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2002	10/17/12

COUNTY	State	COMPANY	CUSTOMER REP
COMANCHE	KANSAS	dridge Exploration & Produc	ROGER BARBER

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
CARLISLE	2-27H	Surface	Daniel Wells

EMP NAME		EMP NAME		EMP NAME		EMP NAME	
Daniel Wells		Johnny Breeze					
Scott Woods							
Flo Helkena							
Gale Womack							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 375

	Called Out	On Location	Job Started	Job Completed
Date	10/17/2012	10/17/2012	10/18/2012	10/18/2012
Time	1300	1800	0300	0430

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		68#	13 3/8	Surface	369	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			17 1/2"	Surface	375	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
10/17	6.0
10/18	4.0
Total	10.0

Operating Hours

Date	Hours
10/17	4.0
Total	4.0

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 100

Average Rates in BPM

MAX 6 BPM AVG 4

Cement Left in Pipe

Feet 44 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	270	D-TEX Lite "Class C" 65/3	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	150	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	20	Calc.Disp Bbl 49
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 49.00
Average		Bump Plug PSI:	620	Final Circ.	PSI:	140	Disp:Bbl 49.00
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry:	BBl	124.0	
				Total Volume	BBl	183.00	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2004	10/17/12

COUNTY	State	COMPANY	CUSTOMER REP
COMANCHE	KANSAS	dridge Exploration & Produc	ROGER BARBER

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
CARLISLE	1317 2-27	Surface	Matt Wilson

EMP NAME

Matt Wilson		Dustin Odum					
Jared Green							
Emmit Brock							
0.00							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 1000'

	Called Out	On Location	Job Started	Job Completed
Date	10/18/2012	10/18/2012	10/19/2012	10/19/2012
Time	3:00 pm	11:30 pm	3:28 am	5:00 am

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		36#	9 5/8"	Surface		1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	1,000'	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
10/18	2.0
10/19	5.0
Total	7.0

Operating Hours

Date	Hours
10/19	4.0
Total	4.0

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 200

Average Rates in BPM

MAX 6 BPM AVG 5

Cement Left in Pipe

Feet 47 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	270	TEX Lite Premium Plus 65	(6% Gel) 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	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

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	50	Calc.Disp Bbl 71
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 71.00
Average		Bump Plug PSI:		Final Circ.	PSI:	375	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	151.0	
				Total Volume	BBl	232.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK2027	10/24/12

COUNTY	State	COMPANY	CUSTOMER REP
COMANCHE	KANSAS	Sandridge Exploration & Production	ROGER BARBER

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
CARLISLE	1317 2-27I	Intermediate	Larry Kirchner Jr.

EMP NAME

Larry Kirchner Jr.		Kevin Johnson					
John Hall							
Wallace Berry							
Vontray Watkins							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5587

	Called Out	On Location	Job Started	Job Completed
Date	10/24/2012	10/24/2012	10/24/2012	10/24/2012
Time	2:30PM	6:30PM	9:54PM	11:30PM

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	26#	7"	Surface	5,593'	5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 3/4"	Surface	5,607'	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.	20		8.33
Spacer type	Caustic	BBL.	10		8.40
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
10/24	5.0
Total	5.0

Operating Hours

Date	Hours
10/24	2.0
Total	2.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG 375

Average Rates in BPM

MAX 8 BPM AVG 5

Cement Left in Pipe

Feet 79.93' Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	125	50/50 POZ PREMIUM	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	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	10	Type:	Caustic	Preflush:	BBl	20.00	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 211
		Actual TOC		Calc. TOC:		3,611'	Actual Disp. 210.50
Average		Bump Plug PSI:		Final Circ.	PSI:	700	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	53.0	
				Total Volume	BBl	283.50	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2066	11/02/12

COUNTY	State	COMPANY	CUSTOMER REP
COMANCHE	KANSAS	dridge Exploration & Produc	FELIX ORTIZ

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
CARLISLE	317 2-27	Liner	MattWilson

EMP NAME						
Matt Wilson		0.00				
Jared Green						
Emmit Brock						
Jessie McClain						

Form. Name _____ Type: _____

Packer Type _____ Set At 5,593

Bottom Hole Temp. 150 Pressure _____

Retainer Depth _____ Total Depth 9862

	Called Out	On Location	Job Started	Job Completed
Date	11/2/2012	11/2/2012	11/2/2012	11/2/2012
Time	6:00 am	2:00 pm	3:00 pm	5:00 pm

Tools and Accessories

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

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		11.6	4 1/2	5136	9,862	
Liner Tool						
HWDP				3,761	5,136	
Drill Pipe			3 1/2"	surface	3,761	
Drill Collars						
Open Hole			6 1/8"	Surface	9,862	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9.1	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	BBL. 20		8.33
Spacer type	Caustic	BBL. 10		8.40
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
11/2	3.0
Total	3.0

Operating Hours

Date	Hours
11/2	6.0
Total	6.0

Description of Job

Liner

Pressures

MAX 3,500 PSI AVG. 800

Average Rates in BPM

MAX 6 BPM AVG 4

Cement Left in Pipe

Feet 88 Reason SHOE JOINT

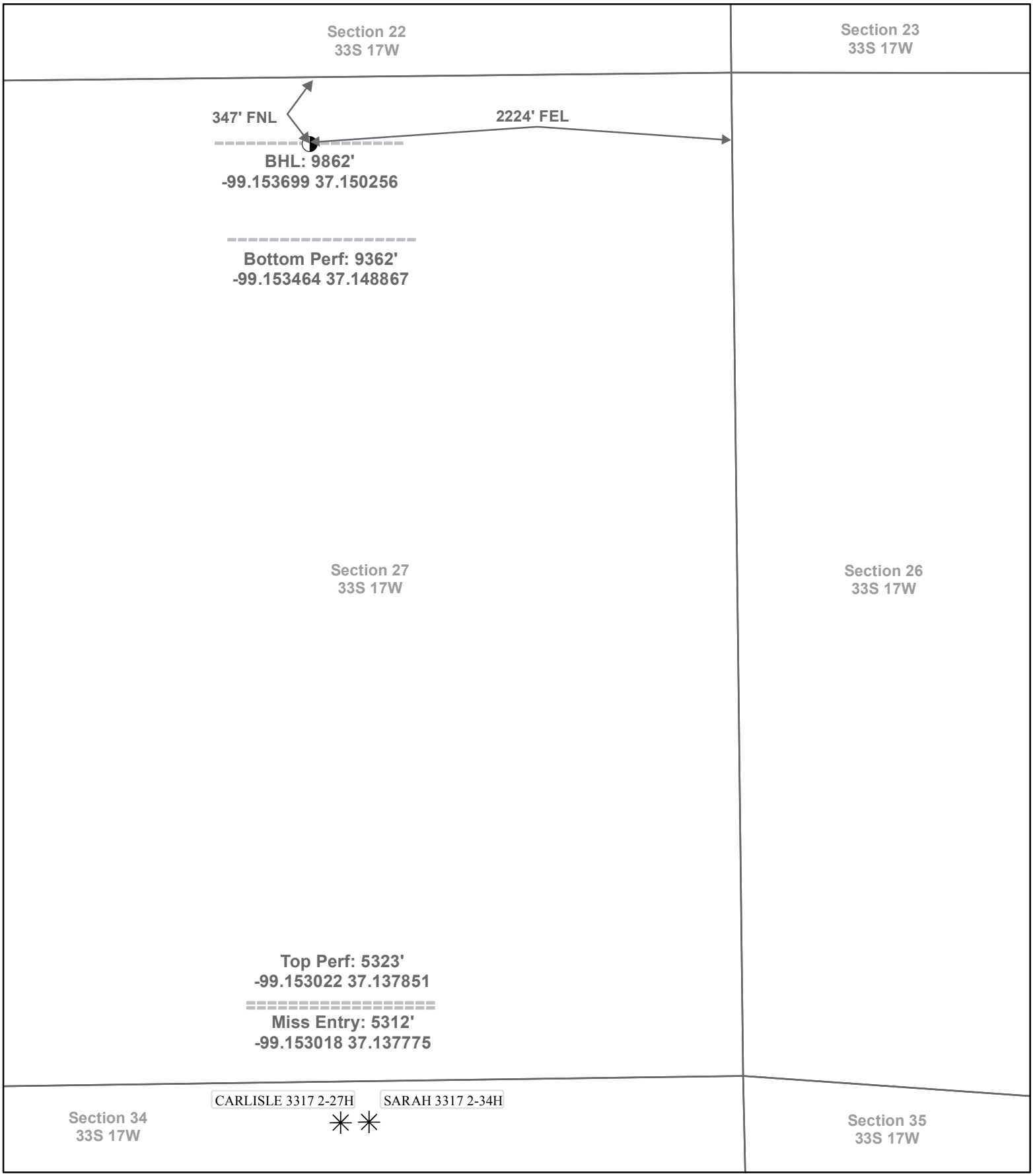
Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	500	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal	6.77	1.44	13.60
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10-	Type:	Caustic	Preflush:	BBl	20.00	Type: 8.59#/SPACER
Breakdown		MAXIMUM	3,500 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 103
		Actual TOC	4,697'	Calc. TOC:		4,697'	Actual Disp. 103.00
Average		Bump Plug PSI:		Final Circ.	PSI:	1,050	Disp:Bbl
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry:	BBl	128.0	
				Total Volume	BBl	251.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE



SANDRIDGE THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Carlisle 3317 2-27H
Comanche County, Kansas
T&R: 33S 17W
Section: 27, 2224' FEL & 347' FNL
Long/Lat:-99.153699 37.150256

1 in = 667 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 1/30/2013
Drawing Name/Number: Addendum_Carlisle_2-27H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Tiffany Golay 02/01/013 09:37 am	Additional Fluid Mgmt Info: 1680 bbls hauled to West OK Disposal, Smith Estate; Well #1, 21-23N-2W, Woodward, OK
Tiffany Golay 01/28/013 11:33 am	Frac Disclosure has been uploaded to Frac Focus
Tiffany Golay 01/21/013 09:08 am	Conductor weight= 94 lbs/ft