Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1094313

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 # 33596
Name: Unit Petroleum Company
Wellsite Geologist: Tammy Alcorn
Purchaser:

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 #:

9/4/2012	9/20/2012	9/22/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-21878-01-00
Spot Description:
N2 - N2 - NE - NE Sec. 27 Twp. 33 S. R. 5 ☐ East ☑ West
250 Feet from ☑ North / ☐ South Line of Section
660 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: Harper
Lease Name: Cooper 3305 Well #: 1-27H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1282 Kelly Bushing: 1302
Total Vertical Depth: 8518 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 595 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: 10500 ppm Fluid volume: 8400 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Blackrock Services, LLC
Lease Name: (soil farm) License #: 99999
Quarter SE Sec. 19 Twp. 29 S. R. 6 ☐ East ☑ West
County: Grant, OK Permit #: 12-21316

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: 01/02/2013
☑ **Confidential Release Date:** 01/02/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 01/04/2013

1094313

Operator Name: SandRidge Exploration and Production LLC Lease Name: Cooper 3305 Well #: 1-27H

Sec. 27 Twp. 33 S. R. 5 ☐ East ☑ West County: Harper

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 Heeber	3065	
Tonkawa	3398	
Cottage Grove	3694	
oswego Limestone	4038	
Cherokee Group	4170	
Verdigris Limestone	4204	
Mississippi Lime	4435	

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. 12/18/2012

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	Cooper 3305 1-27H
Doc ID	1094313

All Electric Logs Run

Spectral Density Dual Spaced Neutron Gamma Ray Memory Log
Array Induction Gamma Ray Memory Log
Mudlog
Boresight

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Cooper 3305 1-27H
Doc ID	1094313

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8098-8400	1742 bbls water, 192 bbls acid, 192 bbls gelled acid, 2126 TLTR	
5	7723-8025	1766 bbls of water, 192 bbls acid, 192 gelled acid, 4445 TLTR	
5	7348-7650	1745 bbls of water, 192 bbls acid, 192 gelled acid, 6718 TLTR	
5	6903-7205	1741 bbls of water, 192 bbls acid, 192 gelled acid, 8928 TLTR	
5	6073-6375	1327 bbls of water, 192 bbls acid, 192 gelled acid, 10706 TLTR	
5	5698-6000	1321 bbls of water, 192 bbls acid, 192 gelled acid, 12456 TLTR	
5	5323-5625	1315 bbls of water, 192 bbls acid, 192 gelled acid, 14187 TLTR	
5	4930-5248	1285 bbls of water, 192 bbls acid, 192 gelled acid, 15877 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Cooper 3305 1-27H
Doc ID	1094313

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	24	20	75	90	Mid-Continent Conductor 8 sack grout	10	none
Surface	12.25	9.63	36	595	Halliburton Light Standard/ Stage 2 Tail Cement	370	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	4890	50/50 Poz Standard/ Premium	310	.4% Halad(R)-9, 2lbm Kol-Seal, 2% bentonite
Liner	6.12	4.5	11.6	8518	Halliburton Econocem System	500	.4% hALAD(r)-9, 10 LBM kOL-sEAL, 2% bENTONITE, .2% cfr-3, w/o dEFOAMER

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/

September 21, 2012

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

Re: ACO1
API 15-077-21878-01-00
Cooper 3305 1-27H
NE/4 Sec.27-33S-05W
Harper 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
THE POWER OF US

123 Robert S. Kerr Ave.
Oklahoma City, OK 73102

Survey
COOPER 3305 1-27H

Step #1 - Create a Deviation Survey
#2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Step

Wellbores - Step #2

Actual Deviation Survey	Wellbore Name
Cooper 3305 1-27H, Proposed? No	Original Hole

Deviation Surveys - Step #1

Description	Date	VS Dir (°)	Comment
Cooper 3305 1-27H	9/11/2012	179.34	

Tie-in Data

Azimuth North Type	Convergence (°)	Declination (°)	MD Tie In (ftKB)	Azimuth Tie In (°)	Inclination Tie In (°)	TVDTie In (ftKB)	NSTie In (ft)	EWTie In (ft)
Grid	0.00	4.12	0.00	0.00	0.00	0.00	0.00	0.00

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
823	0.2	181.91	Baker Hughes INTEQ	MWD	823	1	-1.36	-0.05	0.02
915	0.1	328.14	Baker Hughes INTEQ	MWD	915	1	-1.44	-0.10	0.31
1,374	0.3	163.15	Baker Hughes INTEQ	MWD	1,374	2	-2.33	0.05	0.10
1,834	0.2	275.99	Baker Hughes INTEQ	MWD	1,834	4	-3.51	-0.44	0.10
2,310	0.4	275.95	Baker Hughes INTEQ	MWD	2,310	3	-3.26	-2.80	0.03
2,404	0.5	167.49	Baker Hughes INTEQ	MWD	2,404	4	-3.65	-2.99	0.76
2,499	0.4	359.94	Baker Hughes INTEQ	MWD	2,499	4	-3.70	-2.90	1.00
2,594	0.1	12.74	Baker Hughes INTEQ	MWD	2,594	3	-3.27	-2.88	0.37
2,689	0.7	310.72	Baker Hughes INTEQ	MWD	2,689	3	-2.82	-3.30	0.69
2,784	0.2	87.30	Baker Hughes INTEQ	MWD	2,784	2	-2.44	-3.61	0.85
2,878	0.4	252.75	Baker Hughes INTEQ	MWD	2,878	2	-2.53	-3.79	0.57
2,973	0.7	250.59	Baker Hughes INTEQ	MWD	2,973	3	-2.83	-4.66	0.35
3,068	0.4	100.91	Baker Hughes INTEQ	MWD	3,068	3	-3.09	-4.87	1.18
3,163	0.2	216.50	Baker Hughes INTEQ	MWD	3,163	3	-3.29	-4.60	0.58
3,258	0.3	121.26	Baker Hughes INTEQ	MWD	3,258	3	-3.53	-4.51	0.35
3,448	0.3	284.92	Baker Hughes INTEQ	MWD	3,448	4	-3.62	-4.62	0.29
3,511	0.3	214.44	Baker Hughes INTEQ	MWD	3,511	4	-3.70	-4.86	0.52
3,574	3.5	184.13	Baker Hughes INTEQ	MWD	3,574	6	-5.73	-5.08	5.19
3,605	6.7	181.59	Baker Hughes INTEQ	MWD	3,605	8	-8.47	-5.20	10.28
3,637	9.1	181.11	Baker Hughes INTEQ	MWD	3,636	13	-12.86	-5.30	7.60
3,668	11.8	181.95	Baker Hughes INTEQ	MWD	3,667	18	-18.48	-5.46	8.79
3,700	13.5	181.36	Baker Hughes INTEQ	MWD	3,698	25	-25.50	-5.66	5.30
3,731	14.7	178.44	Baker Hughes INTEQ	MWD	3,728	33	-33.06	-5.63	4.58
3,762	17.8	175.72	Baker Hughes INTEQ	MWD	3,758	42	-41.73	-5.17	10.14
3,794	20.9	174.81	Baker Hughes INTEQ	MWD	3,788	52	-52.30	-4.29	9.86
3,825	24.3	174.75	Baker Hughes INTEQ	MWD	3,817	64	-64.17	-3.21	10.90
3,857	24.7	175.37	Baker Hughes INTEQ	MWD	3,846	77	-77.40	-2.06	1.57
3,889	24.7	175.39	Baker Hughes INTEQ	MWD	3,875	91	-90.74	-0.99	0.13
3,920	25.2	175.75	Baker Hughes INTEQ	MWD	3,903	104	-103.78	0.02	1.75
3,952	26.7	175.93	Baker Hughes INTEQ	MWD	3,932	118	-117.74	1.04	4.48
3,984	27.7	176.02	Baker Hughes INTEQ	MWD	3,960	132	-132.33	2.07	3.41
4,015	28.2	175.89	Baker Hughes INTEQ	MWD	3,988	147	-146.82	3.09	1.37
4,047	29.2	175.63	Baker Hughes INTEQ	MWD	4,016	162	-162.15	4.23	3.40
4,079	30.8	175.98	Baker Hughes INTEQ	MWD	4,044	178	-178.11	5.40	4.84
4,111	32.8	176.49	Baker Hughes INTEQ	MWD	4,071	195	-194.93	6.50	6.43
4,142	34.3	176.18	Baker Hughes INTEQ	MWD	4,097	212	-212.03	7.60	4.74
4,174	36.5	175.54	Baker Hughes INTEQ	MWD	4,123	231	-230.51	8.94	6.94
4,206	39.1	174.87	Baker Hughes INTEQ	MWD	4,148	250	-250.03	10.58	8.19
4,237	42.1	174.63	Baker Hughes INTEQ	MWD	4,171	270	-270.12	12.43	9.92
4,269	43.7	174.40	Baker Hughes INTEQ	MWD	4,195	292	-291.80	14.51	4.78
4,300	45.5	174.99	Baker Hughes INTEQ	MWD	4,217	314	-313.46	16.52	6.18
4,332	48.5	176.34	Baker Hughes INTEQ	MWD	4,239	337	-336.80	18.28	9.81
4,364	50.5	177.50	Baker Hughes INTEQ	MWD	4,260	361	-361.09	19.58	6.74
4,395	51.0	178.14	Baker Hughes INTEQ	MWD	4,279	385	-385.07	20.50	2.27
4,427	51.3	177.73	Baker Hughes INTEQ	MWD	4,299	410	-409.97	21.39	1.39

SANDRIDGE
THE POWER OF US

123 Robert S. Kerr Ave.
Oklahoma City, OK 73102

Survey
COOPER 3305 1-27H

Step #1 - Create a Deviation Survey

Step #2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
4,459	51.7	178.06	Baker Hughes INTEQ	MWD	4,319	435	-434.98	22.31	1.49
4,522	53.7	178.32	Baker Hughes INTEQ	MWD	4,357	485	-485.08	23.90	3.29
4,554	56.9	178.87	Baker Hughes INTEQ	MWD	4,376	512	-511.38	24.54	9.94
4,586	60.0	180.16	Baker Hughes INTEQ	MWD	4,392	539	-538.65	24.76	10.43
4,617	63.4	181.06	Baker Hughes INTEQ	MWD	4,407	566	-565.94	24.47	11.14
4,649	66.8	181.51	Baker Hughes INTEQ	MWD	4,420	595	-594.96	23.82	10.79
4,681	70.0	181.55	Baker Hughes INTEQ	MWD	4,432	625	-624.71	23.02	10.00
4,712	73.7	181.39	Baker Hughes INTEQ	MWD	4,442	654	-654.15	22.27	11.72
4,744	77.0	181.02	Baker Hughes INTEQ	MWD	4,450	685	-685.09	21.62	10.34
4,776	80.0	180.34	Baker Hughes INTEQ	MWD	4,456	717	-716.44	21.25	9.76
4,807	82.5	180.64	Baker Hughes INTEQ	MWD	4,461	747	-747.07	20.98	8.06
4,839	85.0	181.21	Baker Hughes INTEQ	MWD	4,465	779	-778.88	20.47	8.10
4,871	87.5	181.76	Baker Hughes INTEQ	MWD	4,467	811	-810.79	19.64	7.91
4,938	88.9	182.23	Baker Hughes INTEQ	MWD	4,469	878	-877.72	17.31	2.29
4,970	87.9	182.35	Baker Hughes INTEQ	MWD	4,470	910	-909.68	16.03	3.24
5,033	87.6	182.88	Baker Hughes INTEQ	MWD	4,472	973	-972.57	13.16	0.95
5,128	90.8	182.37	Baker Hughes INTEQ	MWD	4,473	1,067	-1,067.45	8.81	3.41
5,192	87.9	182.12	Baker Hughes INTEQ	MWD	4,474	1,131	-1,131.39	6.30	4.59
5,255	88.6	182.17	Baker Hughes INTEQ	MWD	4,476	1,194	-1,194.31	3.95	1.08
5,318	88.8	182.04	Baker Hughes INTEQ	MWD	4,477	1,257	-1,257.25	1.63	0.41
5,381	89.4	181.90	Baker Hughes INTEQ	MWD	4,479	1,320	-1,320.21	-0.53	0.90
5,444	89.9	181.93	Baker Hughes INTEQ	MWD	4,479	1,383	-1,383.17	-2.64	0.80
5,507	89.8	181.63	Baker Hughes INTEQ	MWD	4,479	1,446	-1,446.14	-4.59	0.50
5,570	89.4	181.02	Baker Hughes INTEQ	MWD	4,480	1,509	-1,509.12	-6.05	1.16
5,634	86.4	180.64	Baker Hughes INTEQ	MWD	4,482	1,573	-1,573.06	-6.98	4.71
5,697	88.8	180.16	Baker Hughes INTEQ	MWD	4,485	1,636	-1,636.00	-7.42	3.98
5,760	89.4	180.44	Baker Hughes INTEQ	MWD	4,486	1,699	-1,698.99	-7.75	1.08
5,792	90.2	178.92	Baker Hughes INTEQ	MWD	4,486	1,731	-1,730.99	-7.57	5.26
5,855	90.7	178.63	Baker Hughes INTEQ	MWD	4,485	1,794	-1,793.97	-6.22	1.03
5,918	91.3	178.54	Baker Hughes INTEQ	MWD	4,484	1,857	-1,856.94	-4.66	0.90
5,981	91.3	178.04	Baker Hughes INTEQ	MWD	4,483	1,920	-1,919.90	-2.79	0.79
6,045	89.3	177.55	Baker Hughes INTEQ	MWD	4,482	1,984	-1,983.85	-0.32	3.20
6,108	89.1	178.40	Baker Hughes INTEQ	MWD	4,483	2,047	-2,046.80	1.90	1.39
6,171	90.3	176.89	Baker Hughes INTEQ	MWD	4,483	2,110	-2,109.74	4.49	3.04
6,235	90.6	177.45	Baker Hughes INTEQ	MWD	4,483	2,174	-2,173.66	7.65	0.98
6,266	90.9	177.31	Baker Hughes INTEQ	MWD	4,483	2,205	-2,204.63	9.07	1.04
6,361	90.8	178.78	Baker Hughes INTEQ	MWD	4,481	2,300	-2,299.56	12.31	1.55
6,455	91.7	178.36	Baker Hughes INTEQ	MWD	4,479	2,394	-2,393.51	14.65	1.10
6,550	91.2	178.06	Baker Hughes INTEQ	MWD	4,477	2,488	-2,488.43	17.62	0.66
6,645	88.7	177.15	Baker Hughes INTEQ	MWD	4,477	2,583	-2,583.34	21.59	2.74
6,740	89.2	177.71	Baker Hughes INTEQ	MWD	4,479	2,678	-2,678.23	25.85	0.79
6,835	89.1	177.91	Baker Hughes INTEQ	MWD	4,480	2,773	-2,773.15	29.48	0.25
6,930	88.3	177.10	Baker Hughes INTEQ	MWD	4,482	2,868	-2,868.03	33.61	1.23
7,024	88.7	177.12	Baker Hughes INTEQ	MWD	4,485	2,962	-2,961.88	38.35	0.43
7,119	89.0	176.12	Baker Hughes INTEQ	MWD	4,487	3,057	-3,056.69	43.95	1.10
7,214	89.8	177.25	Baker Hughes INTEQ	MWD	4,488	3,152	-3,151.53	49.44	1.49
7,309	89.4	177.45	Baker Hughes INTEQ	MWD	4,488	3,247	-3,246.42	53.84	0.54
7,404	90.3	178.62	Baker Hughes INTEQ	MWD	4,489	3,342	-3,341.36	57.09	1.61
7,499	89.7	179.50	Baker Hughes INTEQ	MWD	4,488	3,437	-3,436.35	58.65	1.13
7,594	89.0	177.80	Baker Hughes INTEQ	MWD	4,490	3,532	-3,531.31	60.89	1.95
7,689	92.1	179.76	Baker Hughes INTEQ	MWD	4,489	3,627	-3,626.27	62.91	3.88
7,784	91.0	180.23	Baker Hughes INTEQ	MWD	4,486	3,722	-3,721.23	62.92	1.24

SANDRIDGE
THE POWER OF US
123 Robert S. Kerr Ave.
Oklahoma City, OK 73102

Survey
COOPER 3305 1-27H

Step #1 - Create a Deviation Survey

Step #2 - Attach the survey "Description" to the Wellbore - Deviation Survey

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
7,878	88.9	180.08	Baker Hughes INTEQ	MWD	4,486	3,816	-3,815.23	62.67	2.27
7,972	89.0	179.70	Baker Hughes INTEQ	MWD	4,488	3,910	-3,909.21	62.85	0.42
8,068	88.8	179.42	Baker Hughes INTEQ	MWD	4,490	4,006	-4,005.19	63.58	0.39
8,162	89.0	180.20	Baker Hughes INTEQ	MWD	4,492	4,100	-4,099.17	63.90	0.88
8,258	90.8	180.19	Baker Hughes INTEQ	MWD	4,492	4,196	-4,195.17	63.57	1.83
8,352	90.4	180.70	Baker Hughes INTEQ	MWD	4,491	4,290	-4,289.16	62.84	0.71
8,448	89.9	181.09	Baker Hughes INTEQ	MWD	4,491	4,386	-4,385.14	61.34	0.68
8,518	89.9	181.09	Baker Hughes INTEQ	MWD	4,491	4,456	-4,455.13	60.01	0.00

Mid-Continent Conductor, LLC

Invoice

P.O. Box 1570
Woodward, OK 73802

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

Date	Invoice #
9/4/2012	1468

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
Joe Turner	Net 45	9/4/2012	Cooper 3305 1-27H, Harper Cnty., KS	Unit 310

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 6x6 cellar hole.
6' X 6' Tinhorn	1	Furnished and set 6x6 tinhorn.
Mud and Water	1	Furnished mud and water.
Mud, Water, & Trucking	1	Transport mud and water to location.
Grout & Trucking	10	Furnished 10 yards of grout and trucking to location.
Grout Pump	1	Furnished grout pump.
Welder & Materials	1	Furnished welder and materials.
Dirt Removal	1	Labor & Equip. for dirt removal.
Cover Plate	1	Furnished cover plates.
Permits	1	Permits

AFE Number: DC 12804
Well Name: Cooper 3305 1-27H
Code: 850.010
Amount: $17,800.00
Co. Man: Antonio Leija PR
Co. Man Sig.:
Notes:

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

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 2950564	**Quote #:**	**Sales Order #:** 9804994
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Webster, John	
Well Name: Cooper 3305	**Well #:** 1-27H		**API/UWI #:**
Field:	**City (SAP):** ANTHONY	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 27 Township 33W Range 05W			
Contractor: Unit Drilling *	**Rig/Platform Name/Num:** 310		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: NGUYEN, VINH	**Srvc Supervisor:** GILREATH, JAMES	**MBU ID Emp #:** 493907	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
COE, KYLE E	6	518980	DAVIS, TROY Robert	6	498798	GILREATH, JAMES P	6	493907

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	Top		Bottom		
Form Type		BHST			
Job depth MD	1952.1 m	Job Depth TVD	1952.1 m		
Water Depth		Wk Ht Above Floor	16.4 m		
Perforation Depth (MD)	From		To		

Job Times

	Date	Time	Time Zone
Called Out	09 - Sep - 2012	23:00	CST
On Location	10 - Sep - 2012	05:00	CST
Job Started	10 - Sep - 2012	08:27	CST
Job Completed	10 - Sep - 2012	09:11	CST
Departed Loc	10 - Sep - 2012	11:00	CST

Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
12.25" Open Hole-				12.25				.	600.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	600.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9.625	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	HES
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%	
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty		

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/ tonne	Rate m3/min	Total Mix Fluid m3/ tonne

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/ tonne	Rate m3/min	Total Mix Fluid m3/ tonne
1	Fresh Water		20.00	bbl	8.33	.0	.0	.0	
2	Halliburton Light Standard	EXTENDACEM (TM) SYSTEM (452981)	170.0	sacks	12.4	2.12	11.68		11.68
3 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
0.25 lbm		POLY-E-FLAKE (101216940)							
11.676 Gal		FRESH WATER							
3	Stage 2 Tail Cement Premium	SWIFTCEM (TM) SYSTEM (452990)	200.0	sacks	15.6	1.2	5.32		5.32
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
0.125 lbm		POLY-E-FLAKE (101216940)							
5.319 Gal		FRESH WATER							
4	Displacement		43.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	43	Shut In: Instant		Lost Returns		Cement Slurry	107	Pad	
Top Of Cement	0	5 Min		Cement Returns	40	Actual Displacement	43	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	

Rates							
Circulating		Mixing		Displacement		Avg. Job	

Cement Left In Pipe	Amount	44.96 ft	Reason	Shoe Joint

Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID	

The Information Stated Herein Is Correct	Customer Representative Signature

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 2950564	**Quote #:**	**Sales Order #:** 9818379
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Webster, John	
Well Name: Cooper 3305	**Well #:** 1-27H		**API/UWI #:**
Field:	**City (SAP):** ANTHONY	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 27 Township 33W Range 05W			
Contractor: Unit Drilling *	**Rig/Platform Name/Num:** Unit 310		
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well	**Job Type:** Cement Intermediate Casing		
Sales Person: NGUYEN, VINH	**Srvc Supervisor:** HECKENBACH, AUGUST	**MBU ID Emp #:** 511867	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEETZ, DONALD E	7.5	389855	GILMORE, DONALD Zackry	7.5	493055	HAHN, DAVID Jay	7.5	521042
HECKENBACH, AUGUST Abbott	7.5	511867	HECKENBACH, AUGUST Abbott	7.5	511867			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10679726	70 mile	10857010	70 mile	11027043	70 mile	11706681	70 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9/16/12								
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	4920. ft	**Job Depth TVD**			
Water Depth		**Wk Ht Above Floor**	8. ft		
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out	15 - Sep - 2012	11:00	CST
On Location	15 - Sep - 2012	18:30	CST
Job Started	16 - Sep - 2012	00:20	CST
Job Completed	16 - Sep - 2012	01:25	CST
Departed Loc	16 - Sep - 2012	03:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				600.	4892.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	4892.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	600.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	1	HES
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		10.00	bbl	8.33	.0	.0	.0	
2	50/50 Poz - Standard	ECONOCEM (TM) SYSTEM (452992)	120.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Premium	HALCEM (TM) SYSTEM (452986)	190.0	sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement		181.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	180	Shut In: Instant		Lost Returns		Cement Slurry	44	Pad	
Top Of Cement	2195.5	5 Min		Cement Returns		Actual Displacement	181	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	

Rates

Circulating		Mixing	5.5	Displacement	6	Avg. Job	5.75

Cement Left In Pipe	Amount	91.68 ft	Reason	Shoe Joint

Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID	

The Information Stated Herein Is Correct	Customer Representative Signature

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 2950564	**Quote #:**	**Sales Order #:** 9830737
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Webster, John	
Well Name: Cooper 3305	**Well #:** 1-27H		**API/UWI #:**
Field:	**City (SAP):** ANTHONY	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 27 Township 33W Range 05W			
Contractor: UNIT	**Rig/Platform Name/Num:** 310		
Job Purpose: Cement Production Liner			
Well Type: Development Well	**Job Type:** Cement Production Liner		
Sales Person: NGUYEN, VINH	**Srvc Supervisor:** WOODROW, JOHN	**MBU ID Emp #:** 105848	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
MCLAIN, MARSHALL Shelby	5	514528	OTTO, STEVEN Byron	5	505532	SMITH, THOMAS Miles	12	493032
WOODROW, JOHN Phillip	12	105848						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9/21/12	7.5	3						
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**		135 degF	
Job depth MD	10040. ft	**Job Depth TVD**		4900. ft	
Water Depth		**Wk Ht Above Floor**		6. ft	
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out	21 - Sep - 2012	03:47	CST
On Location	21 - Sep - 2012	11:00	CST
Job Started	21 - Sep - 2012	13:54	CST
Job Completed	21 - Sep - 2012	16:00	CST
Departed Loc	21 - Sep - 2012	17:30	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6.125" Open Hole				6.125				4892.	8798.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	N-80	4497.	8798.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	4892.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4497.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		30.00	bbl	8.5	.0	.0	.0	
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	500.0	sacks	13.6	1.59	6.96		6.96
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	10 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	0.2 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	6.955 Gal	FRESH WATER							
3	Displacement		102.00	bbl	8.33	.0	.0	.0	

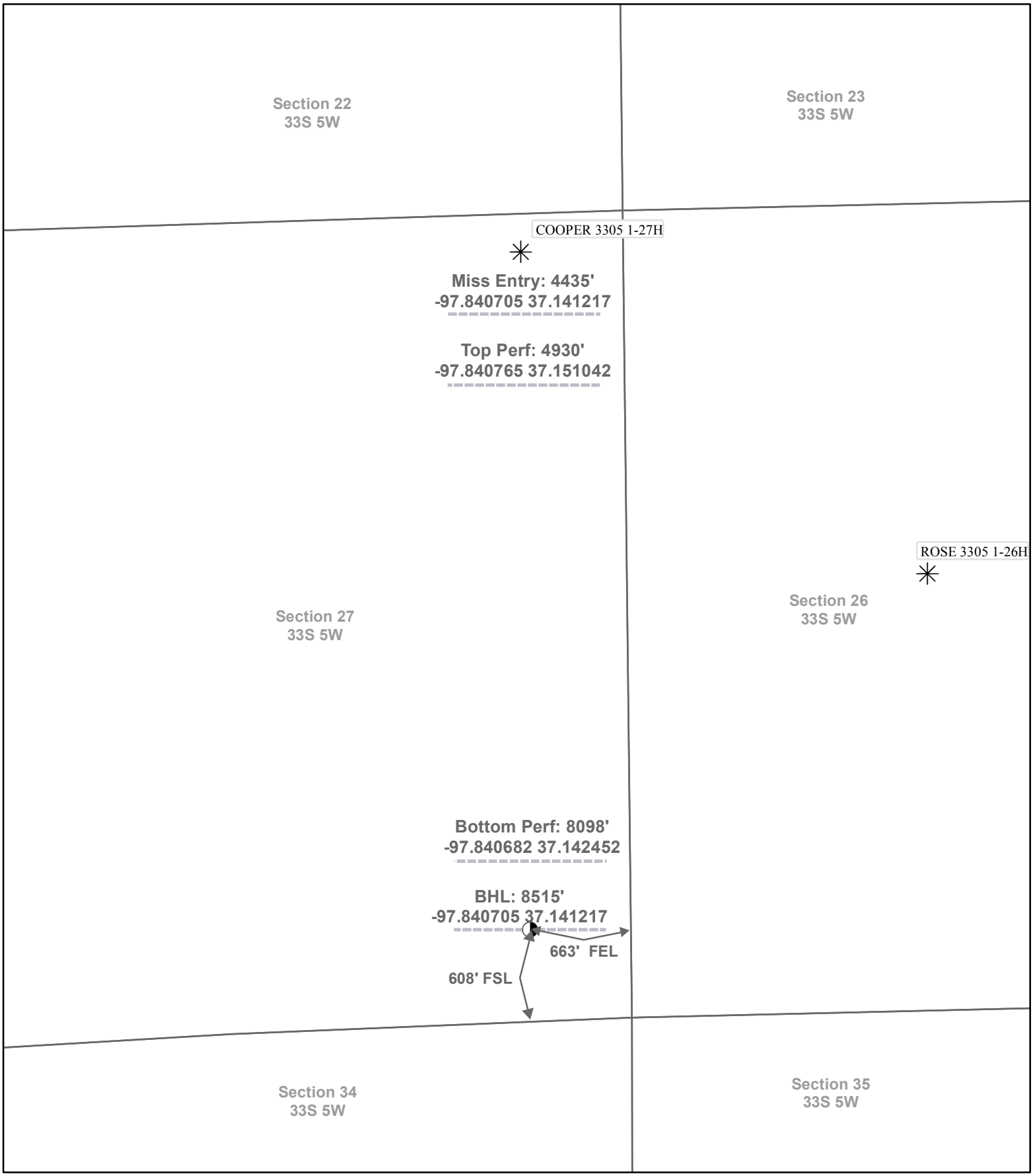
Calculated Values		Pressures		Volumes					
Displacement	101	Shut In: Instant		Lost Returns	0	Cement Slurry	142	Pad	
Top Of Cement	4516	5 Min		Cement Returns	0	Actual Displacement	98	Treatment	
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job	

Rates							
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5

Cement Left In Pipe	Amount	84 ft	Reason	Shoe Joint

Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID	

The Information Stated Herein Is Correct	Customer Representative Signature



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Cooper 3305 1-27H
Harper County, Kansas
T&R: 33S 5W
Section: 27, 663' FEL & 608' FSL
Long/Lat: -97.840705 37.141217

1 in = 833 ft

0 625 1,250 2,500 Feet

N

Draftsman: Aaron Birk	Draft Date: 12/28/2012
Drawing Name/Number: Addendum_Cooper_1-27H .mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	