



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1132453  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1132453

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing     Pumping     Gas Lift     Other *(Explain)* \_\_\_\_\_

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Turner 3406 4-7H
Doc ID	1132453

All Electric Logs Run

Boresight
Mud Log
Porosity
Resistivity
Prizm

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Turner 3406 4-7H
Doc ID	1132453

Tops

Name	Top	Datum
Base Heebner	3320	
Tonkawa	3708	
Cottage Grove	3965	
Oswego Limestone	4290	
Cherokee Group	4408	
Verdigris Limestone	4444	
Mississippi Unconformity	4608	
Mississippi Lime	4620	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Turner 3406 4-7H
Doc ID	1132453

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8096-8393	4193 bbls water, 36 bbls acid, 75M lbs sd, 4434 TLTR	
5	7728-8040	4188 bbls water, 36 bbls acid, 75M lbs sd, 8959 TLTR	
5	7353-7653	4182 bbls water, 36 bbls acid, 75M lbs sd, 13328 TLTR	
5	7109-7292	4178 bbls water, 36 bbls acid, 75M lbs sd, 17651 TLTR	
5	6598-6955	4170 bbls water, 36 bbls acid, 75M lbs sd, 21952 TLTR	
5	6263-6550	4165 bbls water, 36 bbls acid, 75M lbs sd, 26233 TLTR	
5	5912-6212	4159 bbls water, 36 bbls acid, 75M lbs sd, 30471 TLTR	
5	5520-5848	153 bbls water, 36 bbls acid, 75M lbs sd, 34848 TLTR	
5	5158-5480	4148 bbls water, 36 bbls acid, 75M lbs sd, 39213 TLTR	
5	4819-5100	4142 bbls water, 36 bbls acid, 75M lbs sd, 43644 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
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Doc ID	1132453

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	20	20	75	90	Mid-Continent Conductor grout	10	none
Surface	12.25	9.63	36	800	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	475	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5011	50/50 Poz Premium/ Premium	300	4% gel, .4% FL-17, .1% C-20, .5% C-41P, 1 lb/sk Phenoseal

Form	ACO1 - Well Completion
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Doc ID	1132453

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	8500	Schlumberger 50/50 PoZ:H	430	D909 47 lb/sk, D035 37 lb/sk, D020 4%, D112 .6%, D065 .1%, D046 .2%, D042 2 lb/sk, D013 .22%, D079 .2%

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



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

April 24, 2013

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

Re: ACO1  
API 15-077-21920-01-00  
Turner 3406 4-7H  
SW/4 Sec.07-34S-06W  
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





Standard Wellpath Report  
Sandridge  
Sec 7 - 34S - 6W, Kansas  
Harper County  
Wellbore: Turner 3406 4-7H (Actual ST)

**Wellbore**

Name	Created	Last Revised
Turner 3406 4-7H (Actual ST)	12-Apr-2013	23-Apr-2013

**Well**

Name	Government ID	Last Revised
Turner 3406 4-7H		18-Mar-2013

**Slot**

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Turner 3406 4-7H	156310.0000	2140345.0000	N37 5 41.8341	W98 1 7.8559	169.99N	4973.82W

**Installation**

Name	Easting	Northing	Coord System Name	North Alignment
Harper County	2145319.0000	156140.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

**Field**

Name	Easting	Northing	Coord System Name	North Alignment
Sec 7 - 34S - 6W	2145319.0000	156140.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

**Created By**

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**Comments**

FINAL Surveys MD 8500 is a projection to bit @ TD
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Standard Wellpath Report  
 Sandridge  
 Sec 7 - 34S - 6W, Kansas  
 Harper County  
 Wellbore: Turner 3406 4-7H (Actual ST)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	2140345.00	156310.00
1053.00	1.00	217.000	1052.95	7.34S	5.53W	0.09	-7.42	2140339.47	156302.66
1420.00	0.80	288.800	1419.91	9.07S	9.88W	0.29	-9.22	2140335.12	156300.93
1895.00	0.40	194.200	1894.89	9.61S	13.43W	0.19	-9.81	2140331.57	156300.39
2369.00	0.40	187.700	2368.88	12.85S	14.06W	==>	-13.07	2140330.94	156297.15
2844.00	0.40	71.600	2843.88	13.97S	12.71W	0.14	-14.17	2140332.29	156296.03
3129.00	0.90	100.100	3128.86	14.05S	9.56W	0.20	-14.20	2140335.44	156295.95
3224.00	0.90	103.600	3223.84	14.36S	8.10W	0.06	-14.48	2140336.90	156295.64
3319.00	0.70	69.200	3318.84	14.33S	6.83W	0.54	-14.43	2140338.17	156295.67
3414.00	0.80	80.500	3413.83	14.01S	5.63W	0.19	-14.10	2140339.37	156295.99
3509.00	0.20	358.400	3508.82	13.74S	4.98W	0.84	-13.81	2140340.02	156296.26
3603.00	2.00	131.000	3602.81	14.65S	3.75W	2.28	-14.70	2140341.25	156295.35
3667.00	1.80	134.300	3666.77	16.08S	2.19W	0.36	-16.11	2140342.81	156293.92
3699.00	1.80	117.900	3698.76	16.67S	1.38W	1.60	-16.69	2140343.62	156293.33
3730.00	2.30	63.400	3729.74	16.62S	0.40W	6.22	-16.62	2140344.60	156293.38
3762.00	4.40	35.100	3761.68	15.33S	0.88E	8.17	-15.31	2140345.88	156294.67
3794.00	6.40	24.700	3793.54	12.70S	2.33E	6.93	-12.66	2140347.33	156297.30
3825.00	7.90	19.400	3824.30	9.12S	3.76E	5.28	-9.06	2140348.76	156300.88
3857.00	9.30	22.400	3855.94	4.66S	5.48E	4.59	-4.57	2140350.48	156305.34
3889.00	10.80	26.400	3887.45	0.42N	7.80E	5.17	0.54	2140352.80	156310.42
3920.00	12.70	24.600	3917.80	6.12N	10.51E	6.24	6.28	2140355.51	156316.12
3952.00	14.50	21.600	3948.90	13.04N	13.45E	6.04	13.25	2140358.45	156323.04
3984.00	16.40	21.900	3979.74	20.96N	16.61E	5.94	21.21	2140361.61	156330.96
4015.00	19.00	21.400	4009.27	29.72N	20.08E	8.40	30.03	2140365.08	156339.72
4047.00	21.10	19.300	4039.33	40.01N	23.89E	6.94	40.37	2140368.89	156350.01
4079.00	24.00	17.100	4068.88	51.67N	27.70E	9.44	52.09	2140372.71	156361.67
4110.00	26.70	14.200	4096.89	64.45N	31.27E	9.58	64.92	2140376.27	156374.45
4142.00	29.50	12.600	4125.12	79.11N	34.75E	9.06	79.63	2140379.75	156389.11
4173.00	31.10	12.300	4151.88	94.38N	38.12E	5.18	94.96	2140383.12	156404.38
4205.00	32.80	13.200	4179.04	110.90N	41.86E	5.52	111.53	2140386.86	156420.90
4237.00	35.80	14.200	4205.47	128.41N	46.14E	9.54	129.11	2140391.14	156438.42
4268.00	38.00	14.900	4230.26	146.43N	50.82E	7.23	147.19	2140395.82	156456.43
4300.00	39.60	16.400	4255.20	165.73N	56.23E	5.80	166.57	2140401.23	156475.74
4332.00	41.10	16.900	4279.58	185.58N	62.17E	4.80	186.51	2140407.17	156495.59
4363.00	43.10	17.300	4302.58	205.44N	68.28E	6.51	206.47	2140413.28	156515.45
4395.00	45.00	16.700	4325.58	226.72N	74.78E	6.08	227.84	2140419.78	156536.73
4427.00	47.20	17.600	4347.77	248.75N	81.58E	7.17	249.97	2140426.59	156558.76
4458.00	47.20	17.700	4368.83	270.42N	88.48E	0.24	271.75	2140433.48	156580.43
4553.00	46.60	17.500	4433.74	336.54N	109.45E	0.65	338.18	2140454.46	156646.55
4648.00	43.90	16.100	4500.62	401.11N	128.97E	3.03	403.05	2140473.97	156711.13
4680.00	45.00	15.600	4523.46	422.67N	135.09E	3.61	424.70	2140480.09	156732.69
4711.00	47.70	15.500	4544.86	444.28N	141.10E	8.71	446.39	2140486.11	156754.30
4742.00	49.00	17.700	4565.46	466.47N	147.72E	6.76	468.69	2140492.73	156776.49
4774.00	51.60	19.100	4585.90	489.83N	155.50E	8.79	492.16	2140500.50	156799.85
4806.00	56.10	19.000	4604.77	514.25N	163.93E	14.06	516.71	2140508.94	156828.27
4837.00	60.60	19.700	4621.04	539.14N	172.67E	14.64	541.73	2140517.68	156849.16
4869.00	64.90	20.100	4635.68	565.88N	182.36E	13.48	568.62	2140527.36	156875.90
4900.00	68.48	20.390	4647.95	592.59N	192.21E	11.59	595.47	2140537.22	156902.61
4997.00	76.30	28.400	4677.31	676.58N	230.46E	11.26	680.05	2140575.46	156986.61
5060.00	80.10	12.300	4690.27	734.21N	251.77E	25.72	737.99	2140596.77	157044.24
5092.00	80.40	12.800	4695.69	764.99N	258.62E	1.80	768.88	2140603.63	157075.02
5124.00	81.40	12.500	4700.75	795.82N	265.54E	3.26	799.81	2140610.55	157105.85
5155.00	85.30	11.600	4704.34	825.93N	271.96E	12.91	830.01	2140616.97	157135.96
5187.00	88.60	12.000	4706.05	857.20N	278.50E	10.39	861.38	2140623.51	157167.24
5218.00	90.60	12.500	4706.26	887.50N	285.07E	6.65	891.77	2140630.08	157197.53
5250.00	91.90	13.400	4705.56	918.67N	292.24E	4.94	923.06	2140637.25	157228.71
5282.00	92.70	12.100	4704.28	949.86N	299.30E	4.77	954.35	2140644.31	157259.89
5313.00	93.10	10.400	4702.71	980.22N	305.34E	5.63	984.80	2140650.35	157290.26
5345.00	92.80	8.200	4701.06	1011.76N	310.50E	6.93	1016.41	2140655.52	157321.80
5377.00	91.60	5.900	4699.84	1043.49N	314.43E	8.10	1048.20	2140659.44	157353.53
5408.00	91.60	4.400	4698.97	1074.35N	317.21E	4.84	1079.10	2140662.22	157384.39
5440.00	93.10	2.200	4697.66	1106.27N	319.05E	8.32	1111.04	2140664.06	157416.31
5472.00	94.50	0.700	4695.54	1138.19N	319.86E	6.40	1142.97	2140664.87	157448.23
5503.00	94.80	359.200	4693.02	1169.08N	319.83E	4.92	1173.86	2140664.84	157479.13
5535.00	94.70	358.300	4690.37	1200.97N	319.14E	2.82	1205.73	2140664.15	157511.01
5567.00	94.80	356.600	4687.72	1232.82N	317.72E	5.30	1237.56	2140662.73	157542.87
5598.00	94.90	354.800	4685.10	1263.62N	315.40E	5.79	1268.32	2140660.41	157573.67
5630.00	94.80	353.900	4682.40	1295.36N	312.26E	2.82	1300.00	2140657.27	157605.40
5662.00	95.10	353.700	4679.64	1327.05N	308.82E	1.13	1331.64	2140653.83	157637.10
5693.00	95.40	353.400	4676.80	1357.72N	305.35E	1.37	1362.26	2140650.36	157667.77

All data is in Feet unless otherwise stated  
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Turner 3406 4-7H 0.00ft above Mean Sea Level)  
 Vertical Section is from 0.00N 0.00E on azimuth 0.880 degrees  
 Bottom hole distance is 4156.27 Feet on azimuth 1.85 degrees from Wellhead  
 Calculation method uses Minimum Curvature method  
 Prepared by  
 Date Printed: 23-Apr-2013



Standard Wellpath Report  
 Sandridge  
 Sec 7 - 34S - 6W, Kansas  
 Harper County  
 Wellbore: Turner 3406 4-7H (Actual ST)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
5725.00	96.10	354.100	4673.59	1389.37N	301.89E	3.09	1393.85	2140646.90	157699.42
5757.00	94.70	352.600	4670.58	1421.02N	298.20E	6.40	1425.43	2140643.21	157731.07
5788.00	93.30	353.100	4668.42	1451.70N	294.35E	4.79	1456.05	2140639.36	157761.75
5820.00	93.00	353.800	4666.66	1483.44N	290.70E	2.38	1487.73	2140635.71	157793.49
5852.00	93.00	352.700	4664.99	1515.18N	286.95E	3.43	1519.41	2140631.96	157825.23
5883.00	93.30	353.100	4663.28	1545.89N	283.12E	1.61	1550.06	2140628.13	157855.95
5915.00	93.40	352.300	4661.41	1577.58N	279.06E	2.52	1581.68	2140624.07	157887.63
5947.00	93.60	352.800	4659.46	1609.25N	274.92E	1.68	1613.28	2140619.93	157919.31
5978.00	93.80	353.100	4657.46	1639.95N	271.12E	1.16	1643.92	2140616.13	157950.01
6010.00	94.00	352.600	4655.28	1671.63N	267.15E	1.68	1675.53	2140612.16	157981.69
6042.00	94.30	351.200	4652.97	1703.22N	262.65E	4.46	1707.06	2140607.66	158013.29
6073.00	94.50	351.800	4650.59	1733.79N	258.08E	2.03	1737.55	2140603.09	158043.86
6105.00	93.40	353.000	4648.38	1765.43N	253.86E	5.08	1769.13	2140598.87	158075.50
6136.00	93.10	350.000	4646.63	1796.04N	249.29E	9.71	1799.66	2140594.30	158106.11
6168.00	93.00	350.200	4644.92	1827.52N	243.79E	0.70	1831.05	2140588.80	158137.59
6200.00	93.20	353.800	4643.19	1859.16N	239.35E	11.25	1862.62	2140584.36	158169.22
6263.00	91.60	355.500	4640.55	1921.82N	233.48E	3.70	1925.18	2140578.49	158231.89
6295.00	90.30	356.600	4640.02	1953.74N	231.28E	5.32	1957.07	2140576.28	158263.81
6326.00	90.20	358.200	4639.89	1984.71N	229.87E	5.17	1988.01	2140574.88	158294.78
6389.00	90.50	357.400	4639.50	2047.66N	227.45E	1.36	2050.91	2140572.46	158357.73
6421.00	90.50	358.500	4639.22	2079.64N	226.31E	3.44	2082.87	2140571.31	158389.71
6453.00	90.30	357.600	4639.00	2111.62N	225.22E	2.88	2114.83	2140570.23	158421.70
6484.00	89.50	356.100	4639.05	2142.57N	223.51E	5.48	2145.75	2140568.52	158452.65
6516.00	89.70	357.800	4639.28	2174.52N	221.81E	5.35	2177.68	2140566.82	158484.60
6548.00	90.10	355.900	4639.33	2206.47N	220.05E	6.07	2209.59	2140565.06	158516.55
6579.00	90.30	356.100	4639.22	2237.40N	217.89E	0.91	2240.48	2140562.90	158547.48
6611.00	90.40	355.000	4639.03	2269.30N	215.41E	3.45	2272.34	2140560.42	158579.38
6642.00	90.30	355.700	4638.84	2300.20N	212.89E	2.28	2303.20	2140557.90	158610.28
6674.00	90.20	355.900	4638.70	2332.11N	210.55E	0.70	2335.07	2140555.56	158642.20
6737.00	90.30	354.300	4638.43	2394.88N	205.17E	2.54	2397.75	2140550.18	158704.96
6832.00	90.30	353.800	4637.93	2489.36N	195.32E	0.53	2492.07	2140540.33	158799.45
6927.00	89.30	352.300	4638.26	2583.66N	183.83E	1.90	2586.18	2140528.83	158893.76
7022.00	92.90	354.500	4636.44	2677.99N	172.91E	4.44	2680.33	2140517.92	158988.09
7117.00	93.70	356.300	4630.97	2772.53N	165.31E	2.07	2774.74	2140510.31	159082.63
7174.00	94.30	356.300	4626.99	2829.27N	161.64E	1.05	2831.42	2140506.64	159139.37
7237.00	93.20	355.900	4622.87	2891.99N	157.36E	1.86	2894.06	2140502.37	159202.09
7332.00	91.40	358.600	4619.06	2986.79N	152.81E	3.41	2988.78	2140497.81	159296.90
7395.00	89.40	359.000	4618.62	3049.77N	151.49E	3.24	3051.74	2140496.49	159359.88
7427.00	89.10	359.100	4619.04	3081.76N	150.96E	0.99	3083.72	2140495.96	159391.87
7522.00	86.90	1.000	4622.35	3176.69N	151.04E	3.06	3178.64	2140496.05	159486.81
7617.00	89.40	0.700	4625.42	3271.63N	152.45E	2.65	3273.58	2140497.45	159581.75
7712.00	90.10	0.200	4625.83	3366.62N	153.19E	0.91	3368.58	2140498.20	159676.74
7807.00	90.10	359.600	4625.67	3461.62N	153.03E	0.63	3463.56	2140498.03	159771.75
7902.00	90.60	0.400	4625.09	3556.62N	153.03E	0.99	3558.55	2140498.03	159866.75
7997.00	91.10	359.300	4623.68	3651.61N	152.78E	1.27	3653.52	2140497.79	159961.74
8092.00	91.80	358.900	4621.27	3746.56N	151.29E	0.85	3748.45	2140496.29	160056.70
8187.00	91.40	357.900	4618.62	3841.49N	148.64E	1.13	3843.32	2140493.64	160151.63
8282.00	91.10	357.300	4616.55	3936.38N	144.66E	0.71	3938.14	2140489.67	160246.52
8377.00	91.00	357.400	4614.81	4031.26N	140.27E	0.15	4032.94	2140485.27	160341.41
8453.00	90.60	357.100	4613.75	4107.17N	136.62E	0.66	4108.78	2140481.63	160417.32
8500.00	90.60	357.100	4613.25	4154.11N	134.24E	==>	4155.68	2140479.25	160464.26

All data is in Feet unless otherwise stated  
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Turner 3406 4-7H 0.00ft above Mean Sea Level)  
 Vertical Section is from 0.00N 0.00E on azimuth 0.880 degrees  
 Bottom hole distance is 4156.27 Feet on azimuth 1.85 degrees from Wellhead  
 Calculation method uses Minimum Curvature method  
 Prepared by  
 Date Printed: 23-Apr-2013



Standard Wellpath Report  
Sandridge  
Sec 7 - 34S - 6W, Kansas  
Harper County  
Wellbore: Turner 3406 4-7H (Actual ST)

**Comments**

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
8500.00	4613.25	4154.11N	134.24E	Projection to bit @ TD

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Turner 3406 4-7H 0.00ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 0.880 degrees  
Bottom hole distance is 4156.27 Feet on azimuth 1.85 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by  
Date Printed: 23-Apr-2013

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/16/2013
Job End Date:	5/17/2013
State:	Kansas
County:	Harper
API Number:	15-077-21920-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Turner 3406 4-7H
Longitude:	-98.01880000
Latitude:	37.09490000
Datum:	NAD27
Federal/Tribal Well:	NO
Total Base Water Volume (gal):	1,795,250
Total Base Non Water Volume:	



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
C102	Bosque Disposal Systems, LLC	Oxidizer					
			Chlorine Dioxide	10049-04-4	15.00000	100.00000	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant, Acid, Iron Control Agent, Propping Agent					
			Crystalline silica	14808-60-7	96.40948		
			Water (Including Mix Water Supplied by Client)*	NA			
			Distillates (petroleum), hydrotreated light	64742-47-8	0.28251		
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00674		
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.01212		
			Ethanol	64-17-5	0.00028		
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.23542		
			Methanol	67-56-1	0.01128		
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00467		
			Ammonium chloride	12125-02-9	0.13537		

		Alcohols, C12-C14, ethoxylated	68439-50-9	0.01212	
		Glutaraldehyde	111-30-8	0.01326	
		Sorbitan monooleate	1338-43-8	0.02060	
		Sorbitol Tetraoleate	61723-83-9	0.01471	
		Alkenes, C>10 a-	64743-02-8	0.00139	
		Ethoxylated oleic acid	9004-96-0	0.02354	
		Sodium erythorbate	6381-77-7	0.02116	
		Prop-2-yn-1-ol	107-19-7	0.00209	
		Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00313	
		Potassium hydroxide	1310-58-3	0.00021	
		Ethane-1,2-diol	107-21-1	0.00739	
		Fatty acids, tall-oil	61790-12-3	0.00819	
		Polyethylene glycol monoethyl ether	31726-34-8	0.10662	
		Alkyl(c12-16) dimethylbenzyl ammonium chloride	68424-85-1	0.00237	
		C14 alpha olefin ethoxylate	84133-50-6	0.00647	
		Hydrogen chloride	7647-01-0	2.65158	
		Alcohols, C12-C16, ethoxylated	68551-12-2	0.01224	
		Propan-2-ol	67-63-0	0.00093	
		2-Propenoic acid, ammonium salt	10604-69-0	0.00589	
		Trisodium ortho phosphate	7601-54-9	0.02595	

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

Section 1  
34S 7W

Section 6  
34S 6W

Section 12  
34S 7W

Section 7  
34S 6W

Harper County

Section 13  
34S 7W

Section 18  
34S 6W

867' FNL

612' FWL

BHL: 8500'

-98.01865 37.106385

Bottom Perf: 8096'

-98.018599 37.105266

Top Perf: 4819'

-98.018581 37.096457

Miss Entry: 4812'

-98.018613 37.096389

TURNER 3406 4-7H

TURNER 3406 3-7H

TURNER 3406 5-7H



Actual Bottom-Hole Location of Turner 3406 4-7H

T&R: 34S 6W

Section: 7, 612' FWL & 867' FNL

-98.01865 37.106385

1 in = 703 ft

● Actual BH Location

\* SandRidge Wells

--- Perf

□ Sections

0 500 1,000 2,000 Feet



Draftsman:

Aaron Birk

Draft Date: 7/2/2013

Drawing Name/Number:

Addendum\_Turner 3406 4-7H.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

# Mid-Continent Conductor, LLC

## Invoice

P.O. Box 1570  
Woodward, OK 73802  
Phone: (580)254-5400  
Fax: (580)254-3242

Date	Invoice #
3/15/2013	1768

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
Ricky Beene	Net 45	3/15/2013	Turner 3406, 4-7H, Harper Cnty, KS	Lariat 39

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
Transport Truck - Conductor	1	Furnished transport truck to displace cement down center of conductor hole
Fence Panels	4	Furnished safety netting around conductor holes
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

AFE Number: DC 12692  
 Well Name: Turner 3406 4-7H  
 Code: 850-010  
 Amount: 19,340  
 Co. Man: Jenny Hannis  
 Co. Man Sig.: Jenny Hannis  
 Notes: \_\_\_\_\_

<b>Subtotal</b>	\$19,340.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total</b>	<b>\$19,340.00</b>



<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2541</b>	TICKET DATE <b>03/24/13</b>
COUNTY <b>Harper</b>	State <b>Kansas</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>David Montoya</b>	
LEASE NAME <b>Turner 3406</b>	Well No. <b>4-7H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>John Hall</b>	

EMP NAME <b>John Hall</b>					
<b>Bryan Douglas</b>					
<b>Joseph Klemm</b>					
<b>Cheryl Newton</b>					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **0**  
 Bottom Hole Temp. **80** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **800**

Date	Called Out	On Location	Job Started	Job Completed
	<b>3/24/2013</b>	<b>3/24/2013</b>	<b>3/24/2013</b>	<b>3/24/2013</b>
Time	<b>100</b>	<b>500</b>	<b>830</b>	<b>1200</b>

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

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9 5/8"		Surface	800	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	800	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	Density	<b>8.33</b>
Spacer type	resh Wate	BBL.	<b>10</b>
Spacer type	BBL.		<b>8.33</b>
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	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
3/24	7.0	3/24	2.0	Surface
Total	7.0	Total	2.0	

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_

Pressures		
MAX	1,500 PSI	AVG
Average Rates in BPM		
MAX	6 BPM	AVG
Cement Left in Pipe		
Feet	41	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	275	EX Lite Premium Plus 65 (6% Gel)	2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	100	Premium Plus (Class C)	2% 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 Breakdown	<b>10</b>	Type: _____	Preflush: BBI	<b>10.00</b>	Type: Fresh Water
		MAXIMUM	Load & Bkdn: Gal - BBI	<b>N/A</b>	Pad:Bbl -Gal <b>N/A</b>
		Lost Returns-N	Excess /Return BBI	<b>40</b>	Calc.Disp Bbl <b>60</b>
		Actual TOC	Calc. TOC:	<b>SURFACE</b>	Actual Disp. <b>60.00</b>
Average		Bump Plug PSI:	Final Circ. PSI:		Disp:Bbl <b>60.00</b>
5 Min.		10 Min	Cement Slurry: BBI	<b>113.5</b>	
		15 Min	Total Volume BBI	<b>183.50</b>	

CUSTOMER REPRESENTATIVE \_\_\_\_\_ *Harold Rollo* \_\_\_\_\_  
 SIGNATURE

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2569</b>	TICKET DATE <b>04/02/13</b>
COUNTY <b>Harper</b>	State <b>Kansas</b>	COMPANY <b>Sandridge Exploration &amp; Production</b>	CUSTOMER REP <b>Harold Roller</b>	
LEASE NAME <b>Turner 3406</b>	Well No. <b>4-7H</b>	JOB TYPE <b>Intermediate</b>	EMPLOYEE NAME <b>John Hall</b>	

EMP NAME	<b>John Hall</b>	<b>0</b>					
	<b>Bryan Douglas</b>						
	<b>Joseph Klemm</b>						
	<b>0.00</b>						

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At **3,713'**

Bottom Hole Temp. **155** Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth **5,011'**

Date	Called Out <b>4/2/2013</b>	On Location <b>4/2/2013</b>	Job Started <b>4/2/2013</b>	Job Completed <b>4/2/2013</b>
Time	<b>300</b>	<b>500</b>	<b>800</b>	<b>1000</b>

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	<b>0</b>	<b>IR</b>
Insert Float Val	<b>0</b>	<b>IR</b>
Centralizers	<b>0</b>	<b>IR</b>
Top Plug	<b>0</b>	<b>IR</b>
HEAD	<b>0</b>	<b>IR</b>
Limit clamp	<b>0</b>	<b>IR</b>
Weid-A	<b>0</b>	<b>IR</b>
Texas Pattern Guide Shoe	<b>0</b>	<b>IR</b>
Cement Basket	<b>0</b>	<b>IR</b>

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		<b>26#</b>	<b>7"</b>		<b>Surface</b>		<b>5,000</b>
Liner							
Liner							
Tubing			<b>0</b>				
Drill Pipe							
Open Hole			<b>8 3/4"</b>		<b>Surface</b>	<b>5,035'</b>	<b>Shots/Ft.</b>
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	<b>WBM</b>	Density	<b>9</b> Lb/Gal
Disp. Fluid	<b>Fresh Water</b>	Density	<b>8.33</b> Lb/Gal
Spacer type	<b>fresh Water</b>	BBL.	<b>20</b> 8.33
Spacer type	<b>Caustic</b>	BBL.	<b>10</b> 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	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
<b>4/2</b>	<b>6.0</b>	<b>4/2</b>	<b>2.0</b>	<b>Intermediate</b>
<b>Total</b>	<b>6.0</b>	<b>Total</b>	<b>2.0</b>	

Perpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

Other \_\_\_\_\_

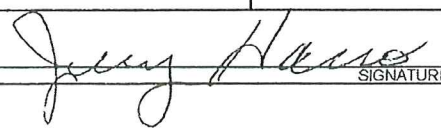
Other \_\_\_\_\_

Other \_\_\_\_\_

Pressures	
MAX	<b>5,000 PSI</b>
AVG	
Average Rates in BPM	
MAX	<b>8 BPM</b>
AVG	
Cement Left in Pipe	
Feet	<b>92</b>
Reason	<b>SHOE JOINT</b>

Cement Data							
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal	
<b>1</b>	<b>200</b>	<b>50/50 POZ PREMIUM</b>	<b>4% Gel - 0.4% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.5% C-41P - 1 lb/sk Phenos</b>	<b>6.77</b>	<b>1.44</b>	<b>13.60</b>	
<b>2</b>	<b>100</b>	<b>Premium</b>	<b>0.4% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P</b>	<b>5.20</b>	<b>1.18</b>	<b>15.60</b>	
<b>3</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0.00</b>	<b>0.00</b>	

Summary								
Preflush	<b>10</b>	Type:	<b>Caustic</b>	Preflush:	<b>BBI</b>	<b>30.00</b>	Type:	<b>Fresh Water</b>
Breakdown		<b>MAXIMUM</b>	<b>5,000 PSI</b>	Load & Bkdn:	<b>Gal - BBI</b>	<b>N/A</b>	Pad:Bbl -Gal	<b>N/A</b>
		<b>Lost Returns-N</b>	<b>NO/FULL</b>	Excess /Return	<b>BBI</b>	<b>N/A</b>	Calc. Disp Bbl	<b>188</b>
		<b>Actual TOC</b>	<b>3,320</b>	Calc. TOC:		<b>3,320</b>	Actual Disp.	<b>188.40</b>
Average		<b>Bump Plug PSI:</b>	<b>800</b>	Final Circ. PSI:			Disp:Bbl	<b>188.40</b>
isip	<b>5 Min</b>	<b>10 Min</b>	<b>15 Min</b>	Cement Slurry:	<b>BBI</b>	<b>12.2</b>		
				Total Volume	<b>BBI</b>	<b>290.60</b>		

CUSTOMER REPRESENTATIVE  SIGNATURE



### Service Order for i-District Job 966391

<b>Customer Name:</b> SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING O		<b>Person Taking Call:</b>		<b>Location:</b> El Reno, OK WS		<b>Order Date:</b> 02-Apr-13 13:03		<b>Job Number:</b> 966391	
<b>Service Order Number:</b>		<b>Service Line:</b> Cementing El Reno		<b>Supervisor:</b>		<b>Legal Location:</b> SEC 7-34S-6W			
<b>Well Name and Number:</b> TURNER -3406-, 4-7 H		<b>Pad/Platform:</b>		<b>Field:</b>		<b>County:</b> Harper		<b>State/Prov:</b> Kansas	
<b>Well Master Number:</b> 0631455287		<b>API/UWI:</b> 15077219200100		<b>Rig Name:</b> LARIAT SERVICES/ODE #39		<b>Well Age:</b> New		<b>Sales Engineer:</b>	
<b>Job Type:</b> Cementing El Reno – Liner		<b>Time Well Ready:</b>		<b>Deviation:</b>		<b>Hole Size:</b> 6.125 in		<b>Well MD:</b> 8500 ft	
<b>Well TVD:</b> 5000 ft		<b>BHP:</b>		<b>BHST:</b> 140 °F		<b>BHCT:</b> 140 °F		<b>Treat Down:</b> Casing	
<b>Min/Max Density:</b> 13.4 ppg -13.8 ppg				<b>Job Stage Description:</b> 4 ½" Liner		<b>FTL Ticket/Quote Number :</b> CDL7-00167			
<b>Casing/Tubing</b>						<b>Service Instructions:</b> Provide equipment, materials, services and personnel to safely cement 4 1/2" Liner per client specifications.  Pump 30 bbl gel water @9ppg, 430 sks Single System slurry @13.6ppg, drop dart and dispalce per client request.			
<b>String Type</b>	<b>Depth</b>	<b>Size</b>	<b>Weight</b>	<b>Grade</b>	<b>Thread</b>				
Casing	8500 ft	4.5 in	11.6 lb/ft	N-80	LTC				
Tubing	4667 ft	3.5 in	15.5 lb/ft	E-75	MIJ				
<b>Client Contact</b>									
<b>Name</b>	<b>Voice</b>	<b>Fax</b>	<b>Email</b>	<b>Title</b>	<b>Company</b>	<b>Notes</b>			
Rig phone	620 391 8451								
<b>Notes:</b> TOC: 3851' -- volumes based on 6.125" + 40% XS  Equipment: 1 pump, 2 ABTs, wash up hoses, water hoses, air hoses and mud hoses (contingency), D047, D110, B306  Check numbers with Co rep  GET FIELD TICKET STAMPED if applicable									
<b>Directions:</b> **ANTHONY JCT OF HWYS 179/44 (MAIN ST); TS ON HWY179 (S JENNINGS AVE) 1.89 MI; TL ON SE 20 RD .06 MI; TL AT SE 90 RD TO STAY ON SE 20 RD .5 MI; TR ON SE 10 AVE 2 MI; TL ON SE 40 RD  Head east on Sunset Dr toward S Choctaw Ave 39 ft Take the 1st left onto US-81 N/S Choctaw Ave Continue to follow US-81 N 11.1 mi Keep left at the fork, follow signs for OK-3 E/US-81 N and merge onto OK-3 W/US-81 N Continue to follow US-81 N 50.2 mi Turn left onto US-412 W/US-60 W/W Owen K Garriott Rd Continue to follow US-412 W/US-60 W 7.0 mi Turn right onto OK-132 N 19.1 mi Turn left onto OK-132 N/US-64 W 2.0 mi Turn right onto OK-132 N/California Ave Continue to follow OK-132 N 23.9 mi OK-132 N turns slightly left and becomes KS-179 N Entering Kansas 7.3 mi Turn right onto SE 40 Rd Destination will be on the left 1.1 mi									

Materials			
Name	Description	Quantity	Density
Gel Water	30 bbls gel water	30.00 bbl	9.00 lb/gal
Single System Slurry	430 sks 50:50 Poz:H + adds	623.5 ft3	13.60 lb/gal

**Fluid Systems:**

Gel Water				
<b>30 bbls gel water</b>				
<i>Final Fluid Density:</i>		9.00	lb/gal	
<i>Volume:</i>		30.00	bbl	
Code	Conc	Design	Total by design	Load out with excess
B306	0.200 gal/bbl	BVOWashVO	6.00 gal	6.00 gal

Single System Slurry				
<b>430 sks 50:50 Poz:H + adds</b>				
<i>Sacks Of:</i>	Blend		<i>Total Blend/Cem:</i>	36,120.00 lb
<i>Sack Weight:</i>	84.00 lb		<i>Sacks Blend/Cem:</i>	430.00 sks
<i>Yield:</i>	1.45 ft3/sk		<i>Final Fluid Density:</i>	13.60 lb/gal
<i>Mix Water:</i>	6.87 gal/sk			
Code	Conc	Design	Total by design	Load out with excess
D909	47.000 lb/sk	WTSK	20,120.00 lb	20,120.00 lb
D035	37.000 lb/sk	WTSK	15,910.00 lb	15,910.00 lb
D020	4.000 %	BWOB	1,444.80 lb	1,444.80 lb
D112	0.600 %	BWOB	216.72 lb	216.72 lb
D065	0.100 %	BWOB	36.12 lb	36.12 lb
D046	0.200 %	BWOB	72.24 lb	72.24 lb
D042	2.000 lb/sk	WTSK	860.00 lb	860.00 lb
D013	0.220 %	BWOB	79.46 lb	79.46 lb
D079	0.200 %	BWOB	72.24 lb	72.24 lb

## Remarks

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Tiffany  
Golay  
07/09/013  
06:28 am

Conductor weight= 106.5 lbs/ft

Tiffany  
Golay  
04/24/013  
02:08 pm

The original Turner 3406 4-7H wellbore had to be sidetracked. The Turner 3406 4-7H drilled to a TD of 9018 without incident, was logged, and 4.5" liner was run. At 6690' MD the liner got stuck and attempts were made to free the liner. Fishing operations to retrieve the 4.5" liner were unsuccessful and it was necessary to sidetrack the original hole.