

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

1073043

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:

- |  |   |                                     |
|--|---|-------------------------------------|
| <input type="checkbox"/> New Well              | <input type="checkbox"/> Re-Entry                         | <input type="checkbox"/> Workover   |
| <input type="checkbox"/> Oil                   | <input type="checkbox"/> WSW                              | <input type="checkbox"/> SWD        |
| <input type="checkbox"/> Gas                   | <input type="checkbox"/> D&A                              | <input type="checkbox"/> ENHR       |
| <input type="checkbox"/> OG                    | <input type="checkbox"/> GSW                              | <input type="checkbox"/> Temp. Abd. |
| <input type="checkbox"/> CM (Coal Bed Methane) |   |                                     |
| <input type="checkbox"/> Cathodic              | <input type="checkbox"/> Other (Core, Expl., etc.): _____ |                                     |

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

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

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

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- |  |                                       |  |                                       |
|--|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Deepening       | <input type="checkbox"/> Re-perf.     | <input type="checkbox"/> Conv. to ENHR     | <input type="checkbox"/> Conv. to SWD |
| <input type="checkbox"/> Plug Back       | <input type="checkbox"/> Conv. to GSW | <input type="checkbox"/> Conv. to Producer |                                       |
| <input type="checkbox"/> Commingled      | Permit #: _____                       |  |                                       |
| <input type="checkbox"/> Dual Completion | Permit #: _____                       |  |                                       |
| <input type="checkbox"/> SWD             | Permit #: _____                       |  |                                       |
| <input type="checkbox"/> ENHR            | Permit #: _____                       |  |                                       |
| <input type="checkbox"/> 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: \_\_\_\_\_

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

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto: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:					

<div style="text-align: center;"> <b>CASING RECORD</b> <input type="checkbox"/> New    <input type="checkbox"/> Used         </div> <div style="text-align: center;">Report all strings set-conductor, surface, intermediate, production, etc.</div>							
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 (Amount and Kind of Material Used)	Depth

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:			<input type="checkbox"/> Yes	<input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method:						
			<input type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil	Bbbs.	Gas	Mcf	Water	Bbbs.	Gas-Oil Ratio	Gravity	

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented    <input type="checkbox"/> Sold    <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>		<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole    <input type="checkbox"/> Perf.    <input type="checkbox"/> Dually Comp.    <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i></p> <p><input type="checkbox"/> Other <i>(Specify)</i> _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Jennifer 1-34H
Doc ID	1073043

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	10,335-10,337; 10,257-10,259; 10,157-10,159; 10,056-10,058; 9,956-9,958	5331 bbls Slickstr, 36 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 5331 TLTR	
5	9453- 9857	5250 bbls Slickwtr, 36 bbls 15% BeFe HCl, 121M lbs 40/70 sd, 10843 TLTR	
5	8950-9354	5245 bbls Slickwtr, 36 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 16297 TLTR	
5	8447-8852	5266 bbls Slickwtr, 36 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 21746 TLTR	
5	7945-8349	5263 bbls Slickwtr, 36 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 27156 TLTR	
5	7442-7846	5290 bbls Slickwtr, 36 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 32602 TLTR	
5	6939-7343	5261 bbls Slickwtr, 36 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 37973 TLTR	

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#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	6436-6841	5448 bbls Slickwtr, 36 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 43519 TLTR	
5	5934-6338	5299 bbls Slickwtr, 36 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 48902 TLTR	
5	5431-5835	5287 bbls Slickwtr, 36 bbls 15% NeFe HCl, 102M lbs 40/70 sd, 54253 TLTR	
5	4928-5332	5125 bbls Slickwtr, 36 bbls 15% NeFe HCl, 102M lbs 40/70 sd, 59431 TLTR	

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#### 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 8 sack grout	13	none
Surface	12.25	9.63	36	798	O-Tex Lite Standard/Standard	540	2% Calcium Chloride, 1/4 lb/sk Cellflake, .5% C-41P
Intermediate	9.63	7	29	5246	50/50 Poz Premium	220	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2lb/sk Phenoseal
Liner	7.63	4.5	11.6	9999	50/50 Premium Poz	585	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



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

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

February 20, 2012

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

Re: ACO1  
API 15-077-21780-01-00  
Jennifer 1-34H  
SW/4 Sec.34-34S-08W  
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

# Mid-Continent Conductor, LLC

P.O. Box 1570  
Woodward, OK 73802

Phone: (580)254-5400

Fax: (580)254-3242

## Invoice

Date	Invoice #
11/7/2011	1143

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
Jason	Net 60	11/4/2011	Jennifer 1-34H, Harper Cnty, KS	Lariat 45

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 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	13	Furnished 13 yards of grout and trucking to location
Grout Pump	1	Furnished grout pump
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Furnished labor and equipment for dirt removal
Cover Plate	1	Furnished cover plates
Permits	1	Permits
		<b>Subtotal</b> \$20,720.00
		<b>Sales Tax (0.0%)</b> \$0.00
		<b>Total</b> \$20,720.00

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK1082</b>	TICKET DATE <b>12/26/11</b>
COUNTY <b>Harper</b>	State <b>Kansas</b>	COMPANY <b>Sandridge Exp and Production</b>	CUSTOMER REP <b>Felix Ortiz Sr.</b>	
LEASE NAME <b>Jennifer</b>	Well No. <b>1-34H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>Charles Spracklen</b>	

Charles Spracklen					
Robert Burris					
John Hall					
Bryan Douglas					

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

Packer Type \_\_\_\_\_ Set At **0**

Bottom Hole Temp. **80** Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth **800'**

Tools and Accessories			Well Data				
Type and Size	Qty	Make	New/Used	Weight	Size	Grade	From To
Auto Fill Tube	0	IR		36.0	9 5/8		Surface 801
Insert Float Val	0	IR					
Centralizers	0	IR					
Top Plug	0	IR			0		
HEAD	0	IR					
Limit clamp	0	IR					
Weld-A	0	IR					
Texas Pattern Guide Shoe	0	IR					
Cement Basket	0	IR					

Materials				Hours On Location		Operating Hours		Description of Job
Mud Type	WBM	Density	Lb/Gal	Date	Hours	Date	Hours	
Disp. Fluid	Fresh Water	8.33		12/26		12/26		Surface
Spacer type	Fresh Water 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.			Total	0.0	Total	0.0	

Pressures			
MAX	1,500 PSI	AVG	180
Average Rates in BPM			
MAX	6	AVG	4
Cement Left in Pipe			
Feet	43	Reason	SHOE JOINT

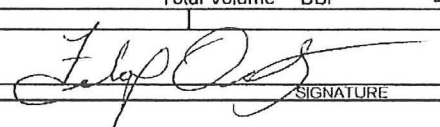
Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	280	O-Tex Lite Standard	(6%Gel) 2% Calcium Chloride - 1/4 lb/sk Cellflake - 0.5% C-41P	10.88	1.84	12.70
2	160	Standard	2% Calcium Chloride - 1/4 lb/sk Celloflake	5.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on the side	5.20	1.18	15.60

Summary							
Preflush		Type:		Preflush:	BBI	10.00	Type: FRESH WATER
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI		Calc. Disp Bbl 79
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 78.50
Average		Bump Plug PSI:		Final Circ.	PSI:		Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBI	125.4	
				Total Volume	BBI	213.86	

CUSTOMER REPRESENTATIVE \_\_\_\_\_

SIGNATURE \_\_\_\_\_



<b>JOB SUMMARY</b>				PROJECT NUMBER <b>SOK1096</b>		TICKET DATE <b>01/01/12</b>																																																																																							
COUNTY <b>Harper</b>		State <b>Kansas</b>		COMPANY <b>Sandridge Exp and Prod</b>		CUSTOMER REP <b>Felix Ortiz Sr.</b>																																																																																							
LEASE NAME <b>Jennifer</b>		Well No. <b>1-34H</b>		JOB TYPE <b>Intermediate</b>		EMPLOYEE NAME <b>L.Arney</b>																																																																																							
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Packer Type _____ Set At <b>0</b> Bottom Hole Temp. <b>0</b> Pressure _____ Retainer Depth _____ Total Depth <b>5236</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="6">Well Data</th> </tr> <tr> <th></th> <th>New/Used</th> <th>Weight</th> <th>Size</th> <th>Grade</th> <th>From</th> <th>To</th> <th>Max. Allow</th> </tr> <tr> <td>Casing</td> <td></td> <td><b>26.0</b></td> <td><b>7</b></td> <td></td> <td>Surface</td> <td></td> <td></td> </tr> <tr> <td>Liner</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Liner</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tubing</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Drill Pipe</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Open Hole</td> <td></td> <td></td> <td><b>8 3/4</b></td> <td></td> <td>Surface</td> <td><b>5,236</b></td> <td>Shots/Ft.</td> </tr> <tr> <td>Perforations</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Perforations</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Perforations</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Well Data							New/Used	Weight	Size	Grade	From	To	Max. Allow	Casing		<b>26.0</b>	<b>7</b>		Surface			Liner								Liner								Tubing								Drill Pipe								Open Hole			<b>8 3/4</b>		Surface	<b>5,236</b>	Shots/Ft.	Perforations								Perforations								Perforations							
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<b>JOB SUMMARY</b>				PROJECT NUMBER <b>SOK1128</b>		TICKET DATE <b>01/12/12</b>	
COUNTY <b>Harper</b>		State <b>Kansas</b>		COMPANY <b>Landridge Exp and Productio</b>		CUSTOMER REP <b>Claude Hallmark</b>	
LEASE NAME <b>Jennifer</b>		Well No. <b>1-34H</b>		JOB TYPE <b>Liner</b>		EMPLOYEE NAME <b>Charles Spracklen</b>	
EMP NAME							
<b>Charles Spracklen</b>							
<b>Robert Burris</b>							
<b>John Hall</b>							
<b>Bryan Douglas</b>							
Form. Name _____ Type: _____							
Packer Type _____		Set At <b>5,246'</b>					
Bottom Hole Temp. <b>150</b>		Pressure _____					
Retainer Depth _____		Total Depth <b>10,471'</b>					
Tools and Accessories							
Type and Size		Qty	Make				
Auto Fill Tube		0	<b>Weatherford</b>				
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					
Materials							
Mud Type	WBM	Density	<b>8.4</b>	Lb/Gal			
Disp. Fluid	Fresh Water	Density	<b>8.33</b>	Lb/Gal			
Spacer type	Fresh Water BBL	<b>20</b>		<b>8</b>			
Spacer type	Caustic BBL	<b>10</b>		<b>8</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				
Perfpac Balls _____		Qty. _____					
Other _____							
Other _____							
Other _____							
Other _____							
Other _____							
Cement Data							
Stage	Sacks	Cement	Additives		W/Rq.	Yield	Lbs/Gal
1	585	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P -		2 Lb/Sk Pheno	6.77	1.44
2	0	0			0	0.00	0.00
3	0	0			0	0.00	0.00
Summary							
Preflush Breakdown	<b>10</b>	Type: <b>CAUSTIC</b>	Preflush: BBI	<b>20.00</b>	Type: <b>Fresh Water</b>		
		<b>MAXIMUM</b>	Load & Bkdn: Gal - BBI	<b>N/A</b>	Pad:Bbl -Gal	<b>N/A</b>	
		<b>Lost Returns-N</b>	Excess /Return BBI	<b>N/A</b>	Calc. Disp Bbl	<b>134</b>	
		<b>Actual TOC</b>	Calc. TOC:	<b>4.083</b>	Actual Disp.	<b>121.00</b>	
Average		<b>Bump Plug PSI:</b>	Final Circ. PSI:	<b>1,800</b>	Disp:Bbl		
ISIP _____	5 Min. _____	10 Min. _____	Cement Slurry: BBI	<b>150.0</b>			
			Total Volume	<b>291.03</b>			
Well Data							
New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing		11.6	4 1/2		4810	10,470	
Liner							
Liner							
Tubing			4		0	4,810	
Drill Pipe							
Open Hole			6 1/8"		Surface	10,470'	Shots/Ft.
Perforations							
Perforations							
Perforations							
Hours On Location				Operating Hours		Description of Job	
Date	Hours	Date	Hours	Liner			
1/11		1/12					
Total	0.0	Total	0.0				
Pressures							
MAX	2800	AVG.	1200				
Average Rates in BPM							
MAX	7	AVG	5				
Cement Left in Pipe							
Feet	89	Reason	SHOE JOINT				
Customer Representative							
CUSTOMER REPRESENTATIVE _____							
Signature							
SIGNATURE _____							



	Measured Depth (ft)	Sub-Sea Incl. (ft)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vertical Section (ft)	DSL deg/100' (deg)	FNL	FSL	FWL	FEL
SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5077.00	200.00	660.00	4531.00
BHL	10470	87.20	354.11	4742.26	6023.71	-164.72	6025.90	0.00	-946.71	6223.71	495.28	4695.72
Miss Entry	4872	50.00	354.54	4715.83	463.74	-17.32	464.01	8.11	4613.26	663.74	642.68	4548.32
Top Perf	4928	56.06	355.22	4749.56	508.19	-21.36	508.54	11.73	4568.81	708.19	638.64	4552.36
Bottom Perf	10360	87.20	354.11	4742.26	6023.71	-164.72	6025.90	0.00	-946.71	6223.71	495.28	4695.72

Location Exception limits the completion interval to NCT 330' FSL of Sec 34 and no further than 990' FSL of Sec 27

	Measured Depth (ft)	Sub-Sea Incl. (ft)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vertical Section (ft)	DSL deg/100' (deg)	FNL	FSL	FWL	FEL
	0	0.0	0	0	0	0	0	0	5077.00	200.00	660.00	4531.00
	251	0.26	359.80	251.00	0.57	0.00	0.57	0.10	5076.43	200.57	660.00	4531.00
	520	0.11	359.80	520.00	1.44	-0.01	1.44	0.06	5075.56	201.44	659.99	4531.01
	766	0.62	359.80	765.99	3.01	-0.01	3.00	0.21	5073.99	203.01	659.99	4531.01
	829	0.36	57.45	828.99	3.45	0.16	3.45	0.83	5073.55	203.45	660.16	4530.84
	891	0.46	58.03	890.99	3.69	0.53	3.68	0.16	5073.31	203.69	660.53	4530.47
	1175	0.26	317.09	1174.98	4.76	1.06	4.74	0.20	5072.24	204.76	661.06	4529.94
	1460	0.39	235.62	1459.98	4.69	-0.18	4.69	0.15	5072.31	204.69	659.82	4531.18
	1936	0.04	227.78	1935.98	3.66	-1.64	3.70	0.07	5073.34	203.66	658.36	4532.64
	2410	0.34	165.70	2409.97	2.19	-1.42	2.22	0.07	5074.81	202.19	658.58	4532.42
	2885	0.61	90.31	2884.96	0.81	1.46	0.78	0.13	5076.19	200.81	661.46	4529.54
	3361	1.67	75.69	3360.86	2.51	10.71	2.27	0.23	5074.49	202.51	670.71	4520.29
	3836	0.61	160.16	3835.78	1.84	18.28	1.43	0.36	5075.16	201.84	678.28	4512.72
	3872	0.62	168.61	3871.78	1.47	18.38	1.06	0.25	5075.53	201.47	678.38	4512.62
	3903	0.68	285.30	3902.78	1.36	18.24	0.94	3.57	5075.64	201.36	678.24	4512.76
	3935	2.87	322.74	3934.76	2.04	17.57	1.65	7.40	5074.96	202.04	677.57	4513.43
	3967	5.59	337.22	3966.67	4.12	16.48	3.75	9.07	5072.88	204.12	676.48	4514.52
	3998	7.89	341.64	3997.46	7.53	15.23	7.19	7.60	5069.47	207.53	675.23	4515.77
	4030	9.75	340.78	4029.08	12.17	13.64	11.86	5.83	5064.83	212.17	673.64	4517.36
	4062	11.79	341.32	4060.51	17.83	11.70	17.56	6.38	5059.17	217.83	671.70	4519.30
	4093	13.65	343.82	4090.75	24.34	9.67	24.12	6.26	5052.66	224.34	669.67	4521.33
	4125	15.42	345.15	4121.72	32.08	7.53	31.91	5.63	5044.92	232.08	667.53	4523.47
	4157	17.50	346.57	4152.41	40.88	5.32	40.75	6.62	5036.12	240.88	665.32	4525.68
	4188	20.18	349.04	4181.75	50.66	3.22	50.58	9.02	5026.34	250.66	663.22	4527.78
	4220	22.20	353.61	4211.59	62.09	1.50	62.04	8.15	5014.91	262.09	661.50	4529.50
	4252	24.58	359.61	4240.96	74.76	0.78	74.72	10.51	5002.24	274.76	660.78	4530.22
	4283	26.79	0.55	4268.89	88.19	0.80	88.15	7.25	4988.81	288.19	660.80	4530.20
	4315	27.87	358.49	4297.32	102.88	0.67	102.84	4.49	4974.12	302.88	660.67	4530.33
	4346	29.44	357.22	4324.52	117.73	0.11	117.70	5.43	4959.27	317.73	660.11	4530.89
	4378	30.72	358.52	4352.21	133.76	-0.48	133.74	4.49	4943.24	333.76	659.52	4531.48
	4410	32.07	359.03	4379.53	150.43	-0.83	150.41	4.30	4926.57	350.43	659.17	4531.83
	4442	33.39	358.56	4406.45	167.72	-1.20	167.71	4.20	4909.28	367.72	658.80	4532.20
	4473	35.07	357.84	4432.08	185.15	-1.75	185.15	5.57	4891.85	385.15	658.25	4532.75
	4505	37.26	358.63	4457.91	204.03	-2.33	204.03	7.00	4872.97	404.03	657.67	4533.33
	4537	39.37	358.47	4483.02	223.86	-2.83	223.87	6.60	4853.14	423.86	657.17	4533.83
	4568	41.14	358.53	4506.67	243.88	-3.35	243.90	5.71	4833.12	443.88	656.65	4534.35
top of tangent	4600	43.38	358.83	4530.36	265.40	-3.85	265.41	7.03	4811.60	465.40	656.15	4534.85
4690'	4632	46.33	358.49	4553.04	287.96	-4.38	287.98	9.25	4789.04	487.96	655.62	4535.38
	4663	46.94	358.07	4574.32	310.48	-5.05	310.52	2.20	4766.52	510.48	654.95	4536.05
	4695	47.65	356.76	4596.03	333.97	-6.12	334.03	3.74	4743.03	533.97	653.88	4537.12
	4727	47.93	355.86	4617.53	357.63	-7.64	357.71	2.26	4719.37	557.63	652.36	4538.64
	4758	47.10	355.27	4638.46	380.42	-9.41	380.53	3.02	4696.58	580.42	650.59	4540.41
btm of tangent	4790	46.46	354.46	4660.38	403.64	-11.50	403.80	2.72	4673.36	603.64	648.50	4542.50
4826'	4821	46.05	354.23	4681.81	425.93	-13.70	426.13	1.43	4651.07	625.93	646.30	4544.70
	4853	48.37	354.79	4703.55	449.30	-15.95	449.55	7.36	4627.70	649.30	644.05	4546.95
	4885	51.11	354.37	4724.23	473.61	-18.26	473.90	8.62	4603.39	673.61	641.74	4549.26
	4916	54.59	354.99	4742.95	498.21	-20.54	498.55	11.34	4578.79	698.21	639.46	4551.54
	4948	58.52	355.59	4760.58	524.82	-22.73	525.20	12.38	4552.18	724.82	637.27	4553.73
	4980	61.95	356.86	4776.46	552.53	-24.55	552.94	11.26	4524.47	752.53	635.45	4555.55
	5012	64.77	357.84	4790.81	581.10	-25.87	581.53	9.23	4495.90	781.10	634.13	4556.87
	5043	68.19	359.06	4803.18	609.51	-26.64	609.95	11.61	4467.49	809.51	633.36	4557.64
	5075	71.28	358.89	4814.26	639.52	-27.18	639.97	9.67	4437.48	839.52	632.82	4558.18
	5107	74.70	358.81	4823.62	670.11	-27.79	670.56	10.69	4406.89	870.11	632.21	4558.79
	5138	78.27	358.98	4830.87	700.24	-28.37	700.70	11.53	4376.76	900.24	631.63	4559.37
	5170	80.23	359.19	4836.83	731.67	-28.87	732.14	6.16	4345.33	931.67	631.13	4559.87
	5202	83.01	359.53	4841.50	763.32	-29.23	763.79	8.75	4313.68	963.32	630.77	4560.23
	5258	86.30	359.54	4846.71	819.07	-29.68	819.53	5.88	4257.93	1019.07	630.32	4560.68
	5290	86.34	358.69	4848.77	851.00	-30.17	851.47	2.65	4226.00	1051.00	629.83	4561.17
	5322	87.72	357.90	4850.42	882.94	-31.12	883.42	4.97	4194.06	1082.94	628.88	4562.12
	5353	89.51	358.18	4851.17	913.92	-32.18	914.41	5.84	4163.08	1113.92	627.82	4563.18
	5385	90.98	358.28	4851.04	945.90	-33.17	946.41	4.60	4131.10	1145.90	626.83	4564.17
	5417	91.08	358.02	4850.46	977.88	-34.20	978.40	0.87	4099.12	1177.88	625.80	4565.20
	5448	91.11	357.99	4849.87	1008.85	-35.28	1009.39	0.14	4068.15	1208.85	624.72	4566.28
	5480	92.59	357.23	4848.84	1040.81	-36.62	1041.37	5.20	4036.19	1240.81	623.38	4567.62
	5512	92.65	357.29	4847.37	1072.74	-38.14	1073.32	0.27	4004.26	1272.74	621.86	4569.14
	5543	92.19	356.97	4846.06	1103.67	-39.70	1104.28	1.81	3973.33	1303.67	620.30	4570.70
	5575	92.37	357.84	4844.79	1135.61	-41.14	1136.25	2.77	3941.39	1335.61	618.86	4572.14

5607	92.98	359.17	4843.30	1167.57	-41.98	1168.21	4.57	3909.43	1367.57	618.02	4572.98
5638	93.12	358.81	4841.65	1198.52	-42.52	1199.17	1.24	3878.48	1398.52	617.48	4573.52
5670	92.99	358.55	4839.94	1230.46	-43.26	1231.13	0.91	3846.54	1430.46	616.74	4574.26
5765	92.25	357.06	4835.60	1325.29	-46.89	1326.01	1.75	3751.71	1525.29	613.11	4577.89
5860	90.86	355.86	4833.02	1420.07	-52.76	1420.90	1.93	3656.93	1620.07	607.24	4583.76
5955	90.65	355.41	4831.77	1514.79	-59.99	1515.75	0.52	3562.21	1714.79	600.01	4590.99
6050	91.88	354.87	4829.67	1609.42	-68.03	1610.54	1.41	3467.58	1809.42	591.97	4599.03
6145	93.03	356.29	4825.60	1704.05	-75.35	1705.31	1.92	3372.95	1904.05	584.65	4606.35
6240	94.36	358.39	4819.48	1798.74	-79.75	1800.08	2.61	3278.26	1998.74	580.25	4610.75
6335	94.63	358.50	4812.04	1893.41	-82.32	1894.79	0.31	3183.59	2093.41	577.68	4613.32
6430	94.43	359.78	4804.53	1988.10	-83.74	1989.48	1.36	3088.90	2188.10	576.26	4614.74
6525	95.23	359.82	4796.53	2082.76	-84.07	2084.13	0.84	2994.24	2282.76	575.93	4615.07
6621	92.43	0.99	4790.12	2178.53	-83.39	2179.86	3.16	2898.47	2378.53	576.61	4614.39
6716	92.10	0.56	4786.37	2273.45	-82.11	2274.73	0.57	2803.55	2473.45	577.89	4613.11
6811	91.90	0.00	4783.05	2368.39	-81.64	2369.63	0.63	2708.61	2568.39	578.36	4612.64
6906	93.40	0.42	4778.66	2463.29	-81.30	2464.49	1.64	2613.71	2663.29	578.70	4612.30
7001	92.50	359.81	4773.77	2558.16	-81.11	2559.34	1.14	2518.84	2758.16	578.89	4612.11
7113	93.80	1.03	4767.62	2669.98	-80.29	2671.11	1.59	2407.02	2869.98	579.71	4611.29
7208	91.80	2.06	4762.97	2764.83	-77.73	2765.88	2.37	2312.17	2964.83	582.27	4608.73
7303	90.70	2.44	4760.90	2859.73	-74.00	2860.67	1.23	2217.27	3059.73	586.00	4605.00
7398	89.66	0.01	4760.60	2954.70	-71.97	2955.57	2.78	2122.30	3154.70	588.03	4602.97
7493	88.98	358.89	4761.73	3049.69	-72.88	3050.66	1.38	2027.31	3249.69	587.12	4603.88
7588	90.34	357.83	4762.30	3144.64	-75.60	3145.55	1.82	1932.36	3344.64	584.40	4606.60
7684	89.75	358.86	4762.22	3240.60	-78.37	3241.54	1.24	1836.40	3440.60	581.63	4609.37
7779	89.78	358.22	4762.61	3335.57	-80.79	3336.54	0.67	1741.43	3535.57	579.21	4611.79
7874	90.31	358.89	4762.53	3430.54	-83.19	3431.54	0.90	1646.46	3630.54	576.81	4614.19
7969	89.20	357.44	4762.94	3525.48	-86.23	3526.53	1.92	1551.52	3725.48	573.77	4617.23
8064	90.92	357.53	4762.84	3620.39	-90.40	3621.51	1.81	1456.61	3820.39	569.60	4621.40
8159	90.06	356.40	4762.03	3715.25	-95.43	3716.46	1.49	1361.75	3915.25	564.57	4626.43
8254	91.29	358.69	4760.91	3810.15	-99.50	3811.42	2.74	1266.85	4010.15	560.50	4630.50
8349	90.52	358.39	4759.41	3905.10	-101.92	3906.41	0.87	1171.90	4105.10	558.08	4632.92
8444	91.11	359.03	4758.06	4000.07	-104.06	4001.40	0.92	1076.93	4200.07	555.94	4635.06
8539	89.48	358.41	4757.57	4095.04	-106.18	4096.39	1.84	981.96	4295.04	553.82	4637.18
8634	90.65	359.41	4757.46	4190.02	-107.99	4191.39	1.62	886.98	4390.02	552.01	4638.99
8729	91.35	359.07	4755.80	4285.00	-109.25	4286.37	0.82	792.00	4485.00	550.75	4640.25
8824	89.48	358.64	4755.12	4379.97	-111.14	4381.36	2.02	697.03	4579.97	548.86	4642.14
8919	89.48	359.19	4755.98	4474.95	-112.94	4476.36	0.58	602.05	4674.95	547.06	4643.94
9014	88.86	359.73	4757.35	4569.94	-113.84	4571.34	0.87	507.06	4769.94	546.16	4644.84
9109	90.60	358.93	4757.80	4664.92	-114.95	4666.33	2.02	412.08	4864.92	545.05	4645.95
9204	91.10	0.26	4756.39	4759.91	-115.62	4761.31	1.50	317.09	4959.91	544.38	4646.62
9299	93.10	359.95	4752.91	4854.84	-115.45	4856.21	2.13	222.16	5054.84	544.55	4646.45
9394	92.20	0.16	4748.52	4949.74	-115.35	4951.08	0.97	127.26	5149.74	544.65	4646.35
9489	91.60	359.66	4745.37	5044.68	-115.50	5046.01	0.82	32.32	5244.68	544.50	4646.50
9584	89.80	359.64	4744.21	5139.67	-116.08	5140.98	1.89	-62.67	5339.67	543.92	4647.08
9678	90.50	358.42	4743.96	5233.66	-117.68	5234.98	1.50	-156.66	5433.66	542.32	4648.68
9774	90.40	357.23	4743.21	5329.58	-121.32	5330.96	1.24	-252.58	5529.58	538.68	4652.32
9868	91.70	357.84	4741.49	5423.48	-125.36	5424.92	1.53	-346.48	5623.48	534.64	4656.36
9963	92.00	357.74	4738.42	5518.36	-129.02	5519.86	0.33	-441.36	5718.36	530.98	4660.02
10059	90.40	357.76	4736.41	5614.26	-132.79	5615.82	1.67	-537.26	5814.26	527.21	4663.79
10154	91.70	357.02	4734.67	5709.14	-137.12	5710.78	1.57	-632.14	5909.14	522.88	4668.12
10249	89.30	355.09	4733.84	5803.90	-143.65	5805.66	3.24	-726.90	6003.90	516.35	4674.65
10344	87.60	354.61	4736.41	5898.48	-152.17	5900.41	1.86	-821.48	6098.48	507.83	4683.17
10430	87.20	354.11	4740.31	5983.97	-160.62	5986.07	0.74	-906.97	6183.97	499.38	4691.62
10470	87.20	354.11	4742.26	6023.71	-164.72	6025.90	0.00	-946.71	6223.71	495.28	4695.72

Negative numbers highlighted in red indicate distance from south line of Sec 27-34S-8W



Section 28  
34S 8W

495' FWL

BHL: 10470'  
-98.180577 37.053247

Section 27  
34S 8W

Bottom Perf: 10360'  
-98.180541 37.052947

947' FSL

Section 33  
34S 8W

Section 34  
34S 8W

Top Perf: 4928'  
-98.180151 37.038098

Miss Entry: 4872'  
-98.180138 37.037976

JENNIFER 1-34H



Section 4  
35S 8W

Section 3  
35S 8W



● Actual BH Location

\* SandRidge Wells

Perf  
Sections

Actual Bottom-Hole Location of Jennifer 1-34H  
Harper County, Kansas

T&R: 34S 8W  
Section: 27, 495' FWL & 947' FSL  
Long/Lat: -98.180577 37.053247

1 in = 833 ft

0 625 1,250 2,500 Feet



Draftsman:

Aaron Birk

Draft Date: 3/27/2012

Drawing Name/Number:

Addendum\_Jennifer\_1-34H.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

Logo

**Attachment successfully uploaded.**

Back to Well Completion

**Jennifer 1-34H (1073043)****Actions**

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

**Attachments**

Two Year Confidentiality	View PDF
OPERATOR	Delete
Cement Reports	View PDF
OPERATOR	Delete
Directional Survey	View PDF
OPERATOR	Delete
As Drilled Plat	View PDF
OPERATOR	Delete

[Add Attachment](#)**Remarks**

Remarks to KCC	
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[Add Remark](#)**Remarks**

Tiffany Golay 03/27/012 03:42 pm	Fluid Mgmt: No license number for Triple C Soil farming. Soil farming was done in 9-28N-9W
Tiffany Golay 03/07/012 10:03 am	Conductor weight= 94 lbs/ft and 13 yards of grout were used Liner depth- 10470 ft
Tiffany Golay 01/30/012 08:59 am	TMD: 10,470' TVD: 4,742