



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1104480
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
-----------------------------------	-----------------	---

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: _____



1104480

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Lori 3510 3-2H
Doc ID	1104480

All Electric Logs Run

Boresight
Resistivity
Nuclear
Final Mud Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Lori 3510 3-2H
Doc ID	1104480

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	11796-12128	4290 bbls of water, 36 bbls acid, 75M lbs sand, 4326 TLTR	
5	11130-11571	4273 bbls of water, 36 bbls acid, 75M lbs sand, 8879 TLTR	
5	10689-11031	4276 bbls of water, 36 bbls acid, 75M lbs sand, 13401 TLTR	
5	10142-10582	1138 bbls of water, 36 bbls acid, 76M lbs sand, 18107 TLTR	
5	9477-9977	4267 bbls of water, 36 bbls acid, 76M lbs sand, 22611 TLTR	
5	8928-9381	4250 bbls of water, 36 bbls acid, 75M lbs sand, 27099 TLTR	
5	8384-8787	4221 bbls of water, 36 bbls acid, 75M lbs sand, 31532 TLTR	
5	7902-8300	4302 bbls of water, 36 bbls acid, 75M lbs sand, 36037 TLTR	
5	7311-7723	4224 bbls of water, 36 bbls acid, 75M lbs sand, 40419 TLTR	
5	6693-7149	4180 bbls of water, 36 bbls acid, 75M lbs sand, 44807 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Lori 3510 3-2H
Doc ID	1104480

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	6245-6544	4188 bbls of water, 36 bbls acid, 74 lbs sand, 49574 TLTR	
5	5799-6097	3862 bbls of water, 36 bbls acid, 74M lbs sand, 53531 TLTR	
5	5276-5712	4279 bbls of water, 36 bbls acid, 75M lbs sand, 57885 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Lori 3510 3-2H
Doc ID	1104480

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	32	20	75	106	Mid-Continent Conductor grout	10	none
Surface	12.25	9.63	36	920	O-Tex Lite Premium Plus 65/ Premium Plus (Class C0	520	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5298	50/50 Poz Premium/ Premium	265	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Production Liner	6.12	4.5	11.6	9999	50/50 Premium Poz	560	(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
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

December 11, 2012

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

Re: ACO1
API 15-077-23969-01-00
Lori 3510 3-2H
Sec.-S-
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

Invoice

Date	Invoice #
11/21/2012	1570

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400

Fax: (580)254-3242

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
Parker	Net 45	11/21/2012	Lori 3510 3-2H, Barber Cnty, KS	Unit 9

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

AFE Number: DC12482

Well Name: Lori 3510 3-2H

Code: 830.010

Amount: 16940.00

Co. Man: Ron Savage

Co. Man Sig: [Signature]

Notes: _____

Subtotal	\$16,940.00
Sales Tax (0.0%)	\$0.00
Total	\$16,940.00

JOB SUMMARY			PROJECT NUMBER SOK 2156	TICKET DATE 11/26/12
COUNTY Barber	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Ron Savage	
LEASE NAME Lori 3510	Well No. 3-2H	JOB TYPE Surface	EMPLOYEE NAME LOUIS ARNEY	

EMP NAME	LOUIS ARNEY	0					
JASON JONES							
MARCOS QUINTANA							
GALE WOMACK							

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **950'**

Date	Called Out	On Location	Job Started	Job Completed
	11/26/2012	11/26/2012	11/26/2012	11/26/2012
Time	0700	1200	14:30	16:30

Tools and Accessories

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

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	36#	9 5/8		Surface		1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	950'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	resh Water BBL.		20	8.33
Spacer type	BBL.			
Acid Type	Gal.		%	
Acid Type	Gal.		%	
Surfactant	Gal.		ln	
NE Agent	Gal.		ln	
Fluid Loss	Gal/Lb		ln	
Gelling Agent	Gal/Lb		ln	
Fric. Red.	Gal/Lb		ln	
MISC.	Gal/Lb		ln	

Hours on Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
11/26	4.5	11/26	2.0	Surface
Total	4.5	Total	2.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures

MAX	1,500	AVG.	150
Average Rates in BPM			
MAX	8 BPM	AVG	5
Cement Left in Pipe			
Feet	47 FT	Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	360	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	160	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary

Preflush Breakdown	Type: _____	Preflush: BBI	10.00	Type: Fresh Water
	MAXIMUM _____	Load & Bkdn: Gal - BBI	N/A	Pad: Bbl - Gal N/A
	Lost Returns-N _____	Excess /Return BBI	36	Calc. Disp Bbl 67.71BBLS
	Actual TOC _____	Calc. TOC: _____	Surface	Actual Disp. 67.71BBLS
Average	Bump Plug PSI: _____	Final Circ. PSI: _____	275	Disp: Bbl _____
15IP _____ 5 Min.	10 Min _____	Cement Slurry: BBI	155.3BBLS	
	15 Min _____	Total Volume BBI	#VALUE!	

CUSTOMER REPRESENTATIVE _____

Ron Savage
SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 2178	TICKET DATE 12/01/12
COUNTY Barber	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Ron Savage	
LEASE NAME Lori 3510	Well No. 3-2H	JOB TYPE Intermediate	EMPLOYEE NAME Billy Taff	

EMP NAME Billy Taff	Kevin Johnson				
Emmit Brock					
Wallace Berry					
David Settlemier					

Form. Name _____ Type: _____

Packer Type _____ Set At **3,897**

Bottom Hole Temp. **165** Pressure _____

Retainer Depth _____ Total Depth **5308**

Date	Called Out 12/1/2012	On Location 12/1/2012	Job Started 12/1/2012	Job Completed 12/1/2012
Time	7:00am	10:00am	1:00pm	3:00pm

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

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,308	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	Fresh Water BBL.		20
Spacer type	Caustic BBL.		10
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	
12/1	5.0	12/1	2.0	Intermediate
Total	5.0	Total	2.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Pressures			
MAX	5,000 PSI	AVG	400
Average Rates in BPM			
MAX	8 BPM	AVG	5
Cement Left in Pipe			
Feet	81	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	165	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	100	Premium	0.4% C-12 - 0.1% C-37	5.20	1.18	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush	10	Type:	Caustic	Preflush:	BBI 30.00
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBI N/A
		Lost Returns-N	NO/FULL	Excess /Return BBI	N/A
		Actual TOC	2,240	Calc. TOC:	2,240
Average		Bump Plug PSI:	1,000	Final Circ. PSI:	1,000
ISIP	5 Min.	10 Min	15 Min	Cement Slurry: BBI	63.0
				Total Volume	BBI 293.00
				Type:	WEIGHTED SP.
				Pad:Bbl -Gal	N/A
				Calc. Disp Bbl	200
				Actual Disp.	200.00
				Disp:Bbl	200.00

CUSTOMER REPRESENTATIVE _____ *Ron Savage* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 2210	TICKET DATE 12/11/12
COUNTY Barber	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Dwayne Burt	
LEASE NAME Lori 3510	Well No. 3-2H	JOB TYPE Liner	EMPLOYEE NAME Robert Burris	

EMP NAME	Robert Burris	0.00						
	Wesley Truex							
	Dustin Odom							
	Rocky Anthis							

Form. Name _____ Type: _____

Packer Type _____ Set At **5,298**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **12255**

Date	Called Out	On Location	Job Started	Job Completed
	12/11/2012	12/11/2012	12/11/2012	12/11/2012
Time	15:00	16:30	21:01	24:30

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

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		11.6	4 1/2		4815	12,255	
Liner Tool							
HWDP					3,460	4,815	
Drill Pipe			3 1/2"		Surface	3,460	
Drill Collars							
Open Hole			6 1/8"		Surface	12,255	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	9.1 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Gel BBL.		30 8.59
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/11	8.7	12/11	2.8	Liner
Total	8.7	Total	2.8	

Pressures		
MAX	5000 PSI	AVG. 975
Average Rates in BPM		
MAX	6 BPM	AVG 3
Cement Left in Pipe		
Feet	94	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	560	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal	6.77	1.44	13.60
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	5000 PSI	Preflush: BBI _____	30.00
	Lost Returns-N _____	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A
	Actual TOC _____	4.697' _____		Excess /Return BBI _____	N/A
Average	Bump Plug PSI: _____	1,775 _____		Calc. TOC: _____	4.697'
15 Min.	10 Min _____	15 Min _____		Final Circ. PSI: _____	775
				Cement Slurrv: BBI _____	144.0
				Total Volume BBI _____	330.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Directional Survey Calculations	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
	SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5474	-200	2132
BHL	12255	93.80	1.60	4736.02	7782.17	-175.88	7783.10	0.00	-2310	7584	1965	3379
Miss Entry	4963	62.34	347.09	4750.57	511.84	-136.53	512.67	8.39	4961	313	1996	3341
Top Perf	5310	89.63	353.66	4837.00	841.09	-175.23	842.14	6.91	4631	643	1958	3380
Bottom Perf	12140	93.06	1.32	4743.03	7667.43	-178.86	7668.38	1.21	-2195	7469	1962	3382

Survey Points		X	Y	Surface XY	X	Y	North Line slope	m
SW Corner XY Coord	2033959	129173			East Line slope	-0.0001894		
NE Corner XY Coord	2039295	134509			South Line slope	0.0103054		
SE Corner XY Coord	2039296	129228			West Line slope	-0.0011385		

	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
		0	0.0	0	0	0	0	0	0	5474	-200	2132
	970	0.40	256.80	969.99	-1	-3	-0.75	0.04	5475	-201	2128	3208
	1433	0.60	272.00	1432.97	-1	-7	-1.01	0.05	5475	-201	2125	3212
	1910	0.40	344.20	1909.96	1	-10	0.69	0.13	5474	-199	2122	3215
	2387	0.50	84.20	2386.95	2	-9	2.50	0.15	5472	-197	2123	3214
	2864	0.60	164.20	2863.93	0	-6	0.29	0.15	5474	-200	2126	3211
	3339	0.70	164.50	3338.90	-5	-4	-4.91	0.02	5479	-205	2127	3209
	3817	0.50	123.40	3816.88	-9	-2	-8.89	0.10	5483	-209	2130	3207
	3848	0.90	151.20	3847.88	-9	-2	-9.18	1.66	5484	-209	2130	3207
	3912	0.80	5.10	3911.87	-9	-1	-9.17	2.54	5484	-209	2130	3206
	3943	2.20	352.60	3942.86	-8	-1	-8.37	4.61	5483	-208	2130	3206
	3975	4.00	350.10	3974.82	-7	-2	-6.66	5.64	5481	-207	2130	3207
	4007	5.90	347.50	4006.69	-4	-2	-3.95	5.98	5478	-204	2130	3207
	4039	7.80	343.60	4038.46	0	-3	-0.25	6.11	5475	-200	2129	3208
	4071	9.70	346.50	4070.09	4	-4	4.46	6.09	5470	-195	2127	3210
	4102	11.30	348.30	4100.57	10	-6	9.98	5.27	5464	-190	2126	3211
	4134	12.90	348.20	4131.86	17	-7	16.55	5.00	5458	-183	2125	3212
	4166	14.40	347.60	4162.95	24	-9	23.95	4.71	5450	-176	2123	3214
	4197	16.40	348.00	4192.84	32	-10	32.00	6.46	5442	-168	2121	3215
	4229	18.40	347.70	4223.37	41	-12	41.37	6.26	5433	-159	2119	3217
	4261	20.50	346.90	4253.55	52	-15	51.78	6.61	5423	-148	2117	3220
	4292	22.40	346.70	4282.40	63	-17	62.83	6.13	5411	-137	2115	3222
	4324	25.20	346.60	4311.67	75	-20	75.41	8.75	5399	-124	2112	3225
	4356	28.00	345.10	4340.28	89	-24	89.32	9.00	5385	-111	2108	3229
	4384	30.70	344.60	4364.69	102	-27	102.59	9.68	5372	-97	2104	3232
	4419	32.40	344.10	4394.51	120	-32	120.25	4.91	5354	-80	2100	3237
	4450	34.90	344.90	4420.32	137	-37	136.83	8.19	5337	-63	2095	3242
	4478	37.30	345.20	4442.94	153	-41	152.79	8.59	5321	-47	2091	3246
	4513	40.50	345.80	4470.17	174	-47	174.10	9.21	5300	-26	2085	3252
	4545	43.20	345.40	4494.01	194	-52	194.81	8.48	5279	-5	2080	3257
	4576	45.70	345.30	4516.14	216	-58	215.85	8.07	5258	16	2075	3263
	4608	48.40	345.80	4537.94	238	-63	238.56	8.51	5235	39	2069	3268
Top of Tangent @ 4656'	4656	51.80	345.60	4568.72	274	-72	274.29	7.09	5200	75	2060	3277
	4671	51.70	346.00	4578.01	285	-75	285.73	2.20	5188	86	2057	3280
	4766	50.40	344.40	4637.73	357	-94	357.27	1.89	5117	158	2038	3299
Btm of Tangent @ 4798'	4798	49.70	343.70	4658.28	380	-101	380.90	2.76	5093	181	2031	3306
	4830	51.50	343.70	4678.59	404	-108	404.67	5.62	5069	205	2024	3313
	4859	53.80	344.40	4696.18	426	-114	426.88	8.16	5047	227	2018	3319
	4894	57.20	344.90	4716.00	454	-122	454.74	9.79	5019	255	2010	3327
	4926	59.70	345.30	4732.75	480	-129	481.13	7.88	4992	282	2003	3334
	4957	62.10	346.70	4747.82	507	-135	507.45	8.69	4966	308	1997	3340
	4989	63.40	348.80	4762.48	534	-141	535.28	7.11	4938	336	1991	3346
	5021	64.80	351.10	4776.45	563	-146	563.66	7.81	4910	364	1986	3351
	5053	67.00	352.20	4789.52	592	-151	592.58	7.56	4881	393	1982	3356
	5084	70.20	353.60	4800.83	620	-154	621.24	11.15	4852	422	1978	3359
	5116	73.30	354.50	4810.85	651	-157	651.48	10.05	4822	452	1975	3362
	5148	76.20	355.50	4819.27	681	-160	682.25	9.55	4791	483	1972	3365
	5180	78.80	355.10	4826.19	712	-163	713.40	8.22	4760	514	1970	3368
	5212	81.80	354.90	4831.58	744	-165	744.83	9.40	4729	546	1967	3370
	5242	85.30	354.70	4834.95	774	-168	774.53	11.69	4699	575	1965	3373
	5260	87.20	354.20	4836.13	791	-170	792.42	10.91	4681	593	1963	3375
	5334	90.80	353.40	4837.42	865	-178	866.01	4.98	4607	667	1955	3383
	5429	91.40	352.70	4835.60	959	-189	960.36	0.97	4513	761	1944	3394
	5524	90.50	357.30	4834.02	1054	-198	1055.01	4.93	4418	856	1935	3402
	5620	92.20	0.10	4831.76	1150	-200	1150.95	3.41	4322	952	1933	3405
	5714	92.20	1.80	4828.15	1244	-198	1244.86	1.81	4228	1046	1935	3403
	5810	90.70	1.30	4825.72	1340	-196	1340.77	1.65	4132	1142	1938	3400
	5904	91.40	0.90	4824.00	1434	-194	1434.72	0.86	4038	1236	1940	3399
	6000	92.10	0.90	4821.07	1530	-192	1530.66	0.73	3943	1332	1941	3397
	6095	89.50	0.30	4819.74	1624	-191	1625.63	2.81	3848	1426	1942	3396
	6191	89.10	0.50	4820.91	1720	-191	1721.61	0.47	3752	1522	1943	3395
	6287	90.10	0.90	4821.58	1816	-189	1817.59	1.12	3656	1618	1944	3394
	6382	91.70	1.30	4820.09	1911	-188	1912.54	1.74	3561	1713	1946	3392
	6477	90.00	359.30	4818.68	2006	-187	2007.52	2.76	3466	1808	1947	3392
	6574	91.30	359.60	4817.58	2103	-188	2104.51	1.38	3369	1905	1946	3393

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
6669	90.90	359.30	4815.76	2198	-189	2199.49	0.53	3274	2000	1945	3394
6765	91.70	0.40	4813.58	2294	-189	2295.46	1.42	3178	2096	1945	3394
6860	92.30	1.20	4810.27	2389	-188	2390.39	1.05	3083	2191	1947	3393
6954	92.70	0.50	4806.17	2483	-187	2484.28	0.86	2989	2285	1948	3391
7049	91.60	0.10	4802.60	2578	-186	2579.20	1.23	2894	2380	1949	3391
7144	89.90	359.70	4801.36	2673	-186	2674.19	1.84	2799	2475	1949	3391
7240	88.40	0.00	4802.78	2769	-186	2770.17	1.59	2703	2571	1949	3391
7335	89.90	358.90	4804.19	2864	-187	2865.16	1.96	2608	2666	1948	3392
7432	89.40	0.20	4804.78	2961	-188	2962.15	1.44	2511	2763	1947	3393
7527	90.10	359.70	4805.20	3056	-188	3057.15	0.91	2416	2858	1947	3393
7622	88.90	0.50	4806.03	3151	-188	3152.14	1.52	2321	2953	1947	3392
7717	89.60	0.20	4807.27	3246	-187	3247.13	0.80	2226	3048	1948	3392
7813	91.10	0.40	4806.68	3342	-187	3343.12	1.58	2130	3144	1949	3391
7908	92.80	0.00	4803.45	3437	-187	3438.05	1.84	2035	3239	1949	3391
8004	91.00	359.60	4800.27	3533	-187	3534.00	1.92	1939	3335	1949	3391
8098	91.10	359.50	4798.55	3627	-188	3627.98	0.15	1845	3429	1948	3392
8194	90.40	359.30	4797.29	3723	-189	3723.97	0.76	1749	3525	1947	3393
8289	91.20	0.40	4795.96	3818	-189	3818.96	1.43	1654	3620	1947	3393
8384	90.60	1.00	4794.47	3913	-188	3913.93	0.89	1559	3715	1948	3392
8480	89.60	1.60	4794.30	4009	-186	4009.89	1.21	1463	3811	1951	3390
8576	90.60	1.20	4794.14	4105	-183	4105.84	1.12	1367	3907	1953	3388
8670	89.90	359.60	4793.73	4199	-183	4199.83	1.86	1273	4001	1954	3387
8766	90.70	0.60	4793.22	4295	-182	4295.82	1.33	1177	4097	1954	3387
8890	90.50	359.40	4791.92	4419	-182	4419.81	0.98	1053	4221	1954	3387
8983	90.70	0.40	4790.95	4512	-183	4512.80	1.10	960	4314	1954	3387
9077	90.50	1.80	4789.97	4606	-181	4606.77	1.50	866	4408	1956	3385
9171	91.30	1.80	4788.49	4700	-178	4700.69	0.85	773	4502	1959	3382
9266	90.30	1.30	4787.16	4795	-175	4795.62	1.18	678	4596	1962	3379
9361	91.40	1.30	4785.75	4890	-173	4890.57	1.16	583	4691	1964	3377
9456	90.90	1.10	4783.85	4985	-171	4985.52	0.57	488	4786	1966	3375
9550	90.50	0.50	4782.70	5079	-170	5079.49	0.77	394	4880	1968	3374
9644	91.20	359.60	4781.30	5173	-170	5173.48	1.21	300	4974	1968	3374
9740	91.10	0.00	4779.38	5269	-170	5269.46	0.43	204	5070	1968	3374
9835	90.10	359.50	4778.38	5364	-170	5364.45	1.18	109	5165	1967	3375
9930	91.30	0.80	4777.22	5458	-170	5459.44	1.86	14	5260	1968	3374
10025	90.80	359.90	4775.48	5553	-170	5554.41	1.08	-81	5355	1968	3374
10119	91.00	359.70	4774.01	5647	-170	5648.40	0.30	-175	5449	1968	3374
10214	90.40	359.20	4772.84	5742	-171	5743.39	0.82	-270	5544	1967	3375
10311	90.90	359.00	4771.74	5839	-172	5840.38	0.56	-367	5641	1966	3376
10406	90.10	358.40	4770.92	5934	-175	5935.36	1.05	-462	5736	1964	3379
10503	91.40	358.90	4769.65	6031	-177	6032.34	1.44	-559	5833	1962	3381
10598	90.40	358.00	4768.15	6126	-179	6127.30	1.42	-654	5928	1959	3383
10694	91.70	357.10	4766.39	6222	-184	6223.22	1.65	-750	6024	1955	3387
10790	91.90	356.40	4763.38	6318	-189	6319.05	0.76	-846	6120	1950	3393
10885	90.20	358.50	4761.64	6413	-193	6413.95	2.84	-941	6215	1946	3397
10979	90.10	0.50	4761.39	6507	-194	6507.95	2.13	-1035	6309	1945	3398
11075	90.20	0.10	4761.14	6603	-194	6603.94	0.43	-1131	6405	1946	3397
11169	89.90	359.80	4761.06	6697	-194	6697.94	0.45	-1225	6499	1946	3397
11234	89.40	359.60	4761.46	6762	-194	6762.94	0.83	-1290	6564	1946	3398
11329	90.10	0.00	4761.87	6857	-194	6857.94	0.85	-1385	6659	1945	3398
11424	90.80	0.80	4761.12	6952	-194	6952.92	1.12	-1480	6754	1946	3397
11518	91.30	0.30	4759.40	7046	-193	7046.90	0.75	-1574	6848	1947	3396
11614	90.70	0.70	4757.73	7142	-192	7142.87	0.75	-1670	6944	1948	3396
11708	91.20	1.80	4756.17	7236	-190	7236.82	1.29	-1764	7038	1950	3393
11804	91.30	1.70	4754.07	7332	-187	7332.73	0.15	-1860	7134	1953	3391
11899	91.40	1.40	4751.83	7427	-184	7427.65	0.33	-1955	7229	1956	3388
11994	91.90	1.40	4749.10	7522	-182	7522.57	0.53	-2049	7324	1958	3386

Section 34
34S 10W

Section 35
34S 10W
2326' FSL

1986' FWL

BHL: 12255'
-98.377307 37.042262

Bottom Perf: 11796'
-98.377347 37.041026

Section 3
35S 10W

Section 2
35S 10W

STEPHANIE 2-3 SWD

STEPHANIE 1-3 SWD

Top Perf: 5276'
-98.377318 37.023062

Miss Entry: 4963'
-98.377199 37.022282

YAZEL 1-3H

YAZEL 3510 2-3H

LORI 1-2H

LORI 2-2H

JENNIE 1-10H

JENNIE 3510 2-10H

WILLIAM 1-11H

LORI 3510 3-2H

LORI 3510 4-2H

Section 10
35S 10W

Section 11
35S 10W

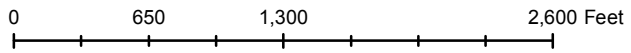
WILLIAM 3510 3-11H

WILLIAM 3510 4-11H



Actual Bottom-Hole Location of Lori 3510 3-2H
Barber County, Kansas
T&R: 34S 10W
Section: 35, 1986' FWL & 2326' FSL
Long/Lat: -98.377307 37.042262

1 in = 926 ft



- Actual BH Location
- SandRidge Wells
- Perf
- Sections

Draftsman: Aaron Birk	Draft Date: 3/5/2013
Drawing Name/Number: Addendum_Lori_3-2H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Remarks

Tiffany Golay 03/19/013 02:17 pm	Frac Disclosure uploaded to FracFocus
Tiffany Golay 02/26/013 09:00 am	Conductor weight- 106.5 lbs/ft Production Liner setting depth= 12,255'
Tiffany Golay 02/26/013 08:26 am	TD= 12,255' TVD= 4,736