



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1088471
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: _____



1088471

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
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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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Lillian 3206 1-32H
Doc ID	1088471

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Lillian 3206 1-32H
Doc ID	1088471

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8406-8747	4228 bbls of water, 36 bbls acid, 75M lbs sand, 4264 TLTR	
5	7981-8325	4664 bbls of water, 36 bbls acid, 75M lbs sand, 9144 TLTR	
5	7576-7910	4664 bbls of water, 36 bbls acid, 75M lbs sand, 13622 TLTR	
5	7161-7495	6716 bbls of water, 36 bbls acid, 75M lbs sand, 20680 TLTR	
5	6746-7080	4362 bbls of water, 36 bbls acid, 75M lbs sand, 25178 TLTR	
5	6315-6664	4192 bbls of water, 36 bbls acid, 75M lbs sand, 29489 TLTR	
5	5915-6249	4189 bbls of water, 36 bbls acid, 75M lbs sand, 33785 TLTR	
5	5500-5828	4319 bbls of water, 36 bbls acid, 75M lbs sand, 38200 TLTR	
5	5065-5412	4230 bbls of water, 36 bbls acid, 77M lbs sand, 42508 TLTR	
5	4670-4992	4843 bbls of water, 36 bbls acid, 77M lbs sand, 47414 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Lillian 3206 1-32H
Doc ID	1088471

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	100	Mid-Continent Conductor, LLC 8 Sack Grout	10	none
Surface	12.25	9.63	36	745	O-tex Lite Premium Plus/ Premium Plus	480	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	4951	50/50 Poz Premium/ Premium	300	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Liner	6.12	4.5	11.63	8865	50/50 Premium Poz	475	(4% Gel) .4% C12, .1% C37, .5% C-41P, 1 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

July 24, 2012

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

Re: ACO1
API 15-077-21858-01-00
Lillian 3206 1-32H
SW/4 Sec.32-32S-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

Mid-Continent Conductor, LLC

Invoice

P.O. Box 1570
Woodward, OK 73802

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

Date	Invoice #
6/27/2012	1381

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
Joe Turner	Net 45	6/27/2012	Lillian 3206 1-32H, Harper Cnty, KS	Lariat 39

Item	Quantity	Description
Conductor Hole	100	Drilled 100 ft. conductor hole.
20" Pipe	100	Furnished 100 ft. of 20 inch conductor pipe.
Mouse Hole	80	Drilled 80 ft. mouse hole.
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe.
Cellar Hole	1	Drilled 6x6 cellar hole.
6' X 6' Tinhorn	1	Furnished and set 6x6 tinhorn.
Mud and Water	1	Furnished mud and water.
Mud, Water, & Trucking	1	Transport mud and water to location.
Grout & Trucking	10	Furnished 10 yards of grout and trucking to location.
Grout Pump	1	Furnished grout pump.
Welder & Materials	1	Furnished welder and materials.
Dirt Removal	1	Labor & Equip. for dirt removal.
Cover Plate	1	Furnished cover plates.
Permits	1	Permits.

DC 12153

Well Name: Lillian 3206 1-32 H

Code: 850-010

Amount: \$22,650.00

Co. Man: Harold Roller

Co. Man Sig: Harold Roller

Subtotal	\$22,650.00
Sales Tax (0.0%)	\$0.00
Total	\$22,650.00

JOB SUMMARY

PROJECT NUMBER SOK 1623		TICKET DATE 07/09/12
COUNTY Harper	State Kansas	COMPANY Hridge Exploration & Produc
LEASE NAME Lillian		Well No 1206 1-32
JOB TYPE Surface		EMPLOYEE NAME DAVID MONTOYA

EMP NAME					
LOUIS ARNEY		0			
JASON JONES					
BILLY TAFF					
DAVID SETTLEMIER					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 750

Date	Called Out	On Location	Job Started	Job Completed
	7/9/2012	7/9/2012	7/9/2012	7/9/2012
Time	7:00	11:00	16:56	17:47

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	36#	9 5/8"		Surface		1,500
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		12 1/4"		Surface	750	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.	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

Hours On Location

Date	Hours	Date	Hours	Description of Job
7/9	7.5	7/9	0.8	Surface
Total	7.5	Total	0.8	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures

MAX 1,500 PSI	AVG. 200
Average Rates in BPM	
MAX 6 BPM	AVG 5
Cement Left in Pipe	
Feet 43.5'	Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	260	TEX Lite Premium Plus 66	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	120	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	100	Premium Plus (Class C)	2% Calcium Chloride on side to use if necessary	6.32	1.32	14.80

Summary

Preflush _____ Type: _____	Preflush: BBI _____	Preflush: _____ Type: Fresh Water
Breakdown _____ MAXIMUM _____	Load & Bkdn: Gal - BBI _____	Pad:Bbl -Gal _____
_____ Lost Returns-N _____	Excess /Return BBI _____	Calc. Disp Bbl _____
_____ Actual TOC _____	Calc. TOC: _____	Actual Disp. _____
Average _____ Bump Plug PSI: _____	Final Circ. PSI: _____	Disp: Bbl _____
ISP _____ 5 Min. _____	Cement Slurry: BBI _____	
_____ 10 Min. _____	Total Volume BBI _____	
		10.00
		N/A
		27
		SURFACE
		250
		113.4
		176.90

CUSTOMER REPRESENTATIVE Harold Rallu SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK1648	TICKET DATE 07/14/12
COUNTY HARPER	State OKLAHOMA	COMPANY Sandridge Exploration & Production	CUSTOMER REP DAVID MONTOYA	
LEASE NAME LILLIAN	Well No. I206 1-321	JOB TYPE Intermediate	EMPLOYEE NAME Derek Lewis	

EMP NAME							
Derek Lewis		0					
Arthur Setzar							
Chris Fry							
0.00							

Form. Name _____ Type: _____
Packer Type _____ Set At _____
Bottom Hole Temp. 155 Pressure _____
Retainer Depth _____ Total Depth 4951

Date	Called Out	On Location	Job Started	Job Completed
Time				

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	26#	7"		Surface	4,952	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	4,951	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	Caustic	BBL.	10	8.40
Acid Type		Gal.		%
Acid Type		Gal.		%
Surfactant		Gal.		In
NE Agent		Gal.		In
Fluid Loss		Gal/Lb		In
Gelling Agent		Gal/Lb		In
Fric. Red.		Gal/Lb		In
MISC.		Gal/Lb		In

Perfpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
				Intermediate
Total	0.0	Total	0.0	

Pressures

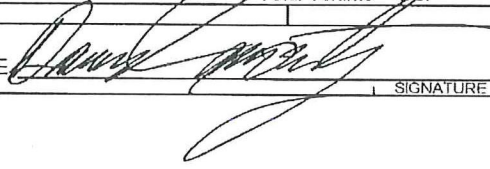
MAX	3,000 PSI	AVG	
Average Rates in BPM			
MAX	6 BPM	AVG	
Cement Left in Pipe			
Feet	92	Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	200	60/50 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	6.20	1.18	15.60
3	0	0		0	0.00	0.00

Summary

Preflush	<u>30</u>	Type:	Caustic	Preflush:	BBI	<u>20.00</u>	Type:	WEIGHTED SP.
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	N/A	Calc.Disp Bbl	186
Average		Actual TOC		Calc. TOC:		3667	Actual Disp.	186.00
		Bump Plug PSI:		Final Circ.	PSI:		Disp:Bbl	
	5 min.	10 min.	15 min.	Cement Slurry:	BBI	<u>73.0</u>		
				Total Volume	BBI	<u>279.00</u>		

CUSTOMER REPRESENTATIVE  SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK1678	TICKET DATE 07/23/12
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP David Montoya	
LEASE NAME Lillian	Well No. 1206 1-321	JOB TYPE Liner	EMPLOYEE NAME Robert Burris	

EMP NAME							
Robert Burris		0.00					
Bryan Douglas							
Emmit Brock							
Jessie McClain							

Form. Name _____ Type: _____

Packer Type _____ Set At **4,951**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **8865**

Date	Called Out 7/23/2012	On Location 7/23/2012	Job Started 7/23/2012	Job Completed 7/23/2012
Time	16:00	20:00	19:21	20:36

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

Well Data							
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		11.6	4 1/2		4608	8,864	3,500
Liner Tool					4,593	4,608	3,500
HWDP					2,945	4,593	3,500
Drill Pipe			3 1/2"		Surface	2,945	3,500
Drill Collars							3,500
Open Hole				6 1/8"	Surface	8,865	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	

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
7/23	3.5	7/23	1.3	Liner
Total	3.5	Total	1.3	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures		
MAX	5000 PSI	AVG. 800
Average Rates in BPM		
MAX	6 BPM	AVG 4.5
Cement Left in Pipe		
Feet	92	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	475	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 1 Lb/Sk Phenoseal			
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 _____	Type: 8.59#SPACER _____	
	Lost Returns-N _____	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A _____	Pad:Bbl -Gal _____	N/A _____
	Actual TOC _____	3.679 _____		Excess /Return BBI _____	N/A _____	Calc.Disp Bbl _____	95 _____
Average	Bump Plug PSI: _____	1,900 _____		Calc. TOC: _____	3.679 _____	Actual Disp. _____	95.00 _____
ISIP _____	5 Min. _____	10 Min. _____	15 Min. _____	Final Circ. PSI: _____	975 _____	Disp:Bbl _____	
				Cement Slurry: BBI _____	122.0 _____		
				Total Volume BBI _____	247.00 _____		

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____



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

Survey LILLIAN 3206 1-32H

Step #1 - Create a Deviation Survey

Step

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

Wellbores - Step #2

Actual Deviation Survey	Wellbore Name
Wireline, Proposed? No	Original Hole

Deviation Surveys - Step #1

Description	Date	VS Dir (°)	Comment
Wireline	7/8/2012		

Tie-in Data

Azimuth North Type	Convergence (°)	Declination (°)	MD Tie In (ftKB)	Azimuth Tie In (°)	Inclination Tie In (°)	TVDTie In (ftKB)	NSTie In (ft)	EWTie In (ft)
		0.75						

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
250	0.8	357.60	Rig	Incl	250	2	1.63	-0.07	0.30
520	1.0	357.60	Rig	Incl	520	6	5.75	-0.24	0.09
720	1.0	357.60	Rig	Incl	720	9	9.15	-0.38	0.03
934	0.9	357.60	Rig	Incl	934	13	12.61	-0.53	0.02
1,410	1.2	5.90	DrillRight	Incl	1,410	21	21.30	-0.17	0.07
1,887	0.8	327.70	DrillRight	Incl	1,887	29	29.08	-1.44	0.16
2,363	0.1	346.30	DrillRight	Incl	2,363	32	32.29	-3.31	0.15
2,363	0.1	346.30	DrillRight	Incl	2,363	32	32.29	-3.31	0.15
2,839	1.5	260.70	DrillRight	Incl	2,839	32	31.69	-9.56	0.31
3,315	1.3	228.10	DrillRight	Incl	3,315	27	27.08	-19.73	0.17
3,557	1.1	228.00	DrillRight	Incl	3,556	24	23.69	-23.50	0.08
3,569	1.2	227.70	DrillRight	Incl	3,568	24	23.53	-23.67	0.83
3,601	0.7	247.50	DrillRight	Incl	3,600	24	23.23	-24.10	1.85
3,633	1.7	342.40	DrillRight	Incl	3,632	24	23.61	-24.43	5.92
3,664	4.3	354.70	DrillRight	Incl	3,663	25	25.20	-24.67	8.59
3,696	7.0	354.30	DrillRight	Incl	3,695	29	28.34	-24.98	8.44
3,728	9.2	356.50	DrillRight	Incl	3,727	33	32.83	-25.33	6.94
3,760	11.5	358.30	DrillRight	Incl	3,758	39	38.57	-25.58	7.26
3,791	13.4	359.70	DrillRight	Incl	3,789	46	45.26	-25.69	6.21
3,823	15.1	0.20	DrillRight	Incl	3,820	53	53.13	-25.69	5.33
3,855	16.8	359.20	DrillRight	Incl	3,850	62	61.93	-25.74	5.38
3,887	18.8	358.90	DrillRight	Incl	3,881	72	71.71	-25.91	6.26
3,918	21.2	358.80	DrillRight	Incl	3,910	83	82.31	-26.12	7.74
3,950	24.1	359.60	DrillRight	Incl	3,940	95	94.63	-26.29	9.11
3,982	26.6	359.80	DrillRight	Incl	3,969	109	108.33	-26.36	7.82
4,014	29.0	0.90	DrillRight	Incl	3,997	124	123.25	-26.26	7.67
4,045	31.7	1.90	DrillRight	Incl	4,024	139	138.90	-25.87	8.86
4,077	34.1	1.80	DrillRight	Incl	4,050	157	156.28	-25.31	7.50
4,109	36.3	1.80	DrillRight	Incl	4,077	175	174.71	-24.73	6.87
4,141	38.6	2.10	DrillRight	Incl	4,102	194	194.16	-24.07	7.21
4,172	40.9	2.30	DrillRight	Incl	4,126	214	213.96	-23.31	7.43
4,204	43.1	2.20	DrillRight	Incl	4,150	236	235.36	-22.47	6.88
4,236	45.9	2.60	DrillRight	Incl	4,172	258	257.77	-21.53	8.79
4,268	48.1	2.40	DrillRight	Incl	4,194	281	281.14	-20.51	6.89
4,299	49.7	2.60	DrillRight	Incl	4,215	305	304.48	-19.49	5.18
4,331	49.7	2.60	DrillRight	Incl	4,235	329	328.86	-18.38	0.00
4,395	49.0	2.20	DrillRight	Incl	4,277	378	377.38	-16.35	1.19
4,458	48.3	2.00	DrillRight	Incl	4,319	425	424.64	-14.61	1.14
4,490	47.8	2.10	DrillRight	Incl	4,340	449	448.42	-13.76	1.58
4,522	48.3	2.20	DrillRight	Incl	4,361	472	472.20	-12.87	1.58
4,553	50.9	2.10	DrillRight	Incl	4,382	496	495.79	-11.98	8.39
4,585	53.5	2.10	DrillRight	Incl	4,401	521	521.06	-11.06	8.12
4,617	56.7	2.10	DrillRight	Incl	4,419	547	547.28	-10.10	10.00
4,649	59.8	2.60	DrillRight	Incl	4,436	575	574.47	-8.98	9.78
4,680	63.4	2.30	DrillRight	Incl	4,451	602	601.71	-7.81	11.64



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

Survey LILLIAN 3206 1-32H

Step #1 - Create a Deviation Survey

Step


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

Survey Data									
MD (ftKB)	Incl (°)	Azm (°)	Survey Company	Method	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
4,712	66.6	2.20	DrillRight	Incl	4,465	631	630.68	-6.68	10.00
4,744	70.1	1.70	DrillRight	Incl	4,476	660	660.40	-5.67	11.03
4,776	73.6	1.00	DrillRight	Incl	4,486	691	690.80	-4.95	11.13
4,807	77.5	0.60	DrillRight	Incl	4,494	721	720.81	-4.53	12.64
4,839	81.1	0.10	DrillRight	Incl	4,500	752	752.25	-4.34	11.35
4,871	84.9	359.60	DrillRight	Incl	4,504	784	784.00	-4.43	11.98
4,903	88.8	359.10	DrillRight	Incl	4,506	816	815.95	-4.79	12.29
4,926	90.4	358.70	DrillRight	Incl	4,506	839	838.94	-5.23	7.17
4,970	90.2	357.80	DrillRight	Incl	4,506	883	882.92	-6.57	2.10
5,031	90.9	357.40	DrillRight	Incl	4,505	944	943.86	-9.13	1.32
5,093	92.7	358.30	DrillRight	Incl	4,503	1,006	1,005.78	-11.45	3.25
5,153	93.4	358.20	DrillRight	Incl	4,500	1,066	1,065.67	-13.28	1.18
5,215	94.1	357.90	DrillRight	Incl	4,496	1,128	1,127.50	-15.39	1.23
5,276	93.6	357.50	DrillRight	Incl	4,492	1,188	1,188.31	-17.83	1.05
5,370	93.2	358.20	DrillRight	Incl	4,486	1,282	1,282.08	-21.35	0.86
5,465	92.6	359.00	DrillRight	Incl	4,481	1,377	1,376.93	-23.67	1.05
5,560	92.1	359.10	DrillRight	Incl	4,477	1,472	1,471.84	-25.24	0.54
5,655	90.6	359.70	DrillRight	Incl	4,475	1,567	1,566.80	-26.24	1.70
5,750	90.5	359.70	DrillRight	Incl	4,474	1,662	1,661.80	-26.73	0.11
5,845	90.8	359.00	DrillRight	Incl	4,473	1,757	1,756.78	-27.81	0.80
5,940	91.5	359.00	DrillRight	Incl	4,471	1,852	1,851.75	-29.47	0.74
6,036	91.2	359.80	DrillRight	Incl	4,469	1,948	1,947.72	-30.47	0.89
6,131	89.0	358.20	DrillRight	Incl	4,469	2,043	2,042.69	-32.13	2.86
6,226	89.1	359.80	DrillRight	Incl	4,470	2,138	2,137.66	-33.79	1.69
6,321	88.5	360.00	DrillRight	Incl	4,472	2,233	2,232.64	-33.95	0.67
6,416	89.9	1.00	DrillRight	Incl	4,474	2,328	2,327.63	-33.13	1.81
6,511	91.2	1.50	DrillRight	Incl	4,473	2,423	2,422.60	-31.05	1.47
6,607	92.2	360.00	DrillRight	Incl	4,470	2,519	2,518.54	-29.80	1.88
6,638	90.9	359.90	DrillRight	Incl	4,469	2,550	2,549.53	-29.82	4.21
6,702	91.6	359.50	DrillRight	Incl	4,468	2,614	2,613.51	-30.16	1.26
6,797	91.3	359.50	DrillRight	Incl	4,465	2,709	2,708.48	-30.99	0.32
6,893	90.5	358.90	DrillRight	Incl	4,464	2,805	2,804.46	-32.33	1.04
6,987	90.0	358.30	DrillRight	Incl	4,463	2,899	2,898.43	-34.62	0.83
7,082	90.2	357.60	DrillRight	Incl	4,463	2,994	2,993.37	-38.02	0.77
7,177	90.2	357.50	DrillRight	Incl	4,463	3,089	3,088.28	-42.08	0.11
7,237	91.0	358.40	DrillRight	Incl	4,462	3,149	3,148.23	-44.23	2.01
7,300	90.8	359.80	DrillRight	Incl	4,461	3,212	3,211.22	-45.22	2.24
7,395	89.9	360.00	DrillRight	Incl	4,461	3,307	3,306.21	-45.39	0.97
7,490	89.3	359.50	DrillRight	Incl	4,461	3,402	3,401.21	-45.80	0.82
7,585	90.7	359.90	DrillRight	Incl	4,461	3,497	3,496.21	-46.30	1.53
7,712	90.8	0.40	DrillRight	Incl	4,460	3,623	3,623.20	-45.97	0.40
7,806	90.2	0.50	DrillRight	Incl	4,459	3,717	3,717.19	-45.23	0.65
7,901	90.4	0.20	DrillRight	Incl	4,458	3,812	3,812.19	-44.65	0.38
7,996	89.9	359.60	DrillRight	Incl	4,458	3,907	3,907.18	-44.81	0.82
8,092	90.5	359.20	DrillRight	Incl	4,458	4,003	4,003.18	-45.82	0.75
8,187	89.4	359.60	DrillRight	Incl	4,458	4,098	4,098.17	-46.81	1.23
8,282	89.3	359.70	DrillRight	Incl	4,459	4,193	4,193.16	-47.39	0.15
8,377	90.4	359.50	DrillRight	Incl	4,459	4,288	4,288.16	-48.06	1.18
8,472	89.4	359.00	DrillRight	Incl	4,459	4,383	4,383.15	-49.30	1.18
8,567	89.8	358.90	DrillRight	Incl	4,460	4,478	4,478.13	-51.04	0.43
8,662	91.4	0.10	DrillRight	Incl	4,459	4,573	4,573.12	-51.87	2.11

Section 30
32S 6W

Section 29
32S 6W

Section 28
32S 6W


 333' FNL
 BHL: 8,662
 -98.000201, 37.224007
 679' FWL
 Bottom Perf: 8,472
 -98.000139, 37.223184

Section 33
32S 6W

Section 32
32S 6W

Section 31
32S 6W

Top Perf: 4,490
 -98.000144, 37.212486
 Miss Entry: 4,458
 -98.000145, 37.212290

LILLIAN 3206 1-32H



FERRIS 1-5H



Section 6
33S 6W

Section 5
33S 6W


Section 4
33S 6W




Actual Bottom-Hole Location of Lillian 3206 1-32H
 Harper County, Kansas
 T&R: 32S 6W
 Section: 32, 333' FNL & 679' FWL
 Long Lat: -98.000201, 37.224007

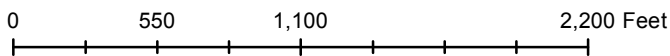
1 in = 735 ft



 Actual BH Location

 SandRidge Wells

 Sections



Draftsman:

Aaron Birk

Draft Date: 10/23/2012

Drawing Name/Number:

Addendum_Lillian_3206_1-32H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502