CORRECTION #1 [redacted]

Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1244714

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-5745
CONTRACTOR: License # 34464
Name: Lariat Services, Inc. dba Chaparral, Drilling, Fluids
Wellsite Geologist: Tammy Alcorn
Purchaser: Gas: Atlas PL Mid-Continent Westok, LLC; Crude: Coffeyville Resources Refining & Marketing, LLC

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 #:

07/19/2011 Spud Date or Recompletion Date
08/09/2011 Date Reached TD
08/30/2011 Completion Date or Recompletion Date

API No. 15 - 15-077-21739-01-00
Spot Description:
S2 - S2 - SE - SW Sec. 17 Twp. 35 S. R. 7 ☐ East ☑ West
200 Feet from ☐ North / ☑ South Line of Section
1980 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Harper
Lease Name: Bernice Well #: 1-17H
Field Name: Waldron West
Producing Formation: Mississippi
Elevation: Ground: 1279 Kelly Bushing: 1298
Total Vertical Depth: 9486 Plug Back Total Depth: 9451
Amount of Surface Pipe Set and Cemented at: 927 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: 5000 ppm Fluid volume: 6270 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Triple C Soil Farming
Lease Name: Triple C License #: 99999
Quarter NE Sec. 23 Twp. 29 S. R. 9 ☐ East ☑ West
County: Alfalfa, OK Permit #: 18107

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: 10/27/2011
☑ **Confidential Release Date:** 10/26/2013
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 03/04/2015

CORRECTION #1
Page Two

[redacted]

1244714

Operator Name: SandRidge Exploration and Production LLC Lease Name: Bernice Well #: 1-17H

Sec. 17 Twp. 35 S. R. 7 ☐ East ☑ West County: Harper

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Cement Bond Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Base Heebner	3514	-2218
Tonkawa	3902	-2588
Cottage Grove	4140	-2847
Limestone	4500	-3211
Cherokee Group	4616	-3293
Mississippi Lime	4919	-3495

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	9.63	36	927	Class H	425	
Intermediate	9.63	7	26	5242	Class H	270	
Liner	7.63	4.5	11.6	9486	Class H	550	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☑ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	3831-3831	Class H	300	
	-			

Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☑ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☑ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR.

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bernice 1-17H
Doc ID	1244714

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	88551-53;8736-38;8621-23;8506-08;8391-93;	Frac w/4789 bbls slickwtr, 36 bbls 15% NeFe HCl, 168 bbls gelled acid, 99M # 40/70 sd. 4893 TLTR	
6	8274-76;8159-61;8044-46;7929-31;7814-16	Frac w/4957 bbls Slickwtr, 36 bbls 15% NeFe HCl 138 bbls gelled acid 1-3M # 40/70 sd. 15338 TLTR.	
6	7697-99;7582-84;7467-69;7352-54;7237-39	Frac w/5572 bbls Slickwtr, 36 bbls 15% NeFe HCl, 168 bbls gelled acid, 101M # 40/70 sd. 21210 TLTR.	
6	7120-22;7005-07;6890-92;6775-77;6660-62	Frac w/5748 bbls Slickwtr, 36 bbls 15% NeFe HCl, 168 bbls gelled acid, 101M # 40/70 sd. 27243 TLTR.	
6	6543-45;6428-30;6313-15;6198-6200;6083-85	Frac w/5345 bbls Slickwtr, 36 bbls 15% NeFe HCl, 168 bbls gelled acid, 97M # 40/70 sd. 27316 TLTR.	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bernice 1-17H
Doc ID	1244714

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	5966-68;5851-53;5736-38;5621-23;5506-08	Frac w/5281 bbls Slickwtr, 36 bbls 15% NeFe HCl,168 bbls gelled acid, 95M # 40/70 sd. 38386 TLTR.	
6	5389-91;5274-76;5159-61;5044-46;4929-31	Frac w/4896 bbls Slickwtr, 36 bbls 15% NeFe HCl, 605 bbls gelled acid, 106M # 40/70 sd. 43940 TLTR.	
6	8968-9430		

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bernice 1-17H
Doc ID	1244714

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	9.63	36	927	Class H	425	
Intermediate	9.63	7	26	5242	Class H	270	
Liner	7.63	4.5	11.6	9486	Class H	550	

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK0695	07/21/11

COUNTY	State	COMPANY	CUSTOMER REP
Harper	Kansas	andridge Exp and Productio	Euidosio Garza

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Bernice	1-17H	Surface	Chris Bigbey

EMP NAME

Chris Bigbey		RJ Stonehocker					
Jared Green							
Daniel Wells							
Larry Kirchner Sr.							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 926

	Called Out	On Location	Job Started	Job Completed
Date	7/21/2011	7/21/2011	7/21/2011	7/21/2011
Time	0730	1200	1600	1700

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Val	0	
Centralizers	0	
Top Plug	1	
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		36#	9 5/8"	Surface	926	
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	927	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	wbm	Density	9.2	Lb/Gal
Disp. Fluid	water	Density	8.34	Lb/Gal
Spacer type	water	BBL.	10	
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 _____

Other _____

Hours On Location

Date	Hours
7/21	7.0
Total	7.0

Operating Hours

Date	Hours
7/21	1.0
Total	1.0

Description of Job

Surface

Pressures

MAX 1500 AVG. 200

Average Rates in BPM

MAX 6 AVG 5

Cement Left in Pipe

Feet 47 Reason Shoe Jt.

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	245	65:35 Standard:Poz	6% Gel - 2% Calcium Chloride - 1/4lb/sk Cello-Flake	10.88	1.84	12.70
2	180	Standard	2% Calcium Chloride - 1/4lb/sk Cello-Flake	5.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on side if necessary	5.20	1.18	15.60

Summary

Preflush		Type:		Preflush:	BBl	10.00	Type: WATER
Breakdown		MAXIMUM	1,500	Load & Bkdn:	Gal - BBl		Pad:Bbl -Gal
		Lost Returns-N	no	Excess /Return	BBl	38	Calc.Disp Bbl 68
		Actual TOC	surface	Calc. TOC:		surface	Actual Disp. 63.00
Average		Frac. Gradient		Treatment:	Gal - BBl		Disp:Bbl 67.90
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	118.1	
				Total Volume	BBl	191.10	

CUSTOMER REPRESENTATIVE Chuck Hallbark

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK0733	08/09/11

COUNTY	State	COMPANY	CUSTOMER REP
Harper	Kansas	andridge Exp and Productio	Felix Ortiz

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Bernice	1-17H	Squeeze Job	Larry Kirchner Jr.

EMP NAME
Larry Kirchner
Emmit Brock
Florian Helkena

Form. Name _____ Type: _____

Packer Type _____ Set At 5,192'

Bottom Hole Temp. 4,388' Pressure _____

Retainer Depth _____ Total Depth 9,505'

	Called Out	On Location	Job Started	Job Completed
Date	8/8/2011	8/8/2011	8/8/2011	8/9/2011
Time	10:00AM	2:00PM	6:02PM	12:00AM

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Va	0	
Centralizers	0	
Drill Pin	1	
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		Surface		3,500
Liner							
Liner							
Tubing			3 1/2				
Drill Pipe	Used		3 1/2	IF	Surface	3,831'	
Open Hole			6 1/8		Surface	9,505'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density 9		Lb/Gal
Disp. Fluid	Fresh Water	Density 8.33		Lb/Gal
Spacer type	Fresh Wate	BBL. 20		8.33
Spacer type	Caustic	BBL. 10		8.50
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 _____

Hours On Location

Date	Hours
8/8	10.0
Total	10.0

Operating Hours

Date	Hours
8/8	2.0
Total	2.0

Description of Job

Squeeze Job

Pressures

MAX 2000 AVG. 100

Average Rates in BPM

MAX 6 AVG 3

Cement Left in Pipe

Feet 0 Reason Squeeze

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	300	Premium Cement	Neat	5.20	1.18	15.60
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:	Preflush: BBl	0.00	Type: WATER
Breakdown		MAXIMUM	Load & Bkdn: Gal - BBl		Pad:Bbl -Gal
		Lost Returns-N	Excess /Return BBl		Calc.Disp Bbl 18
		Actual TOC 3,738'	Calc. TOC:		Actual Disp. 18.00
Average		Frac. Gradient	Treatment: Gal - BBl		Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry BBl	63.0
				Total Volume BBl	81.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK0708	07/27/11

COUNTY	State	COMPANY	CUSTOMER REP
Harper	Kansas	andridge Exp and Productio	Claude Hallmark

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Bernice	1-17H	Intermediate	Chris Bigbey

EMP NAME

Chris Bigbey							
Jared Green							
Larry Kirchner SR							
David Settlemier							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5,242'

	Called Out	On Location	Job Started	Job Completed
Date	7/27/2011	7/27/2011	7/27/2011	7/27/2011
Time	05:00	10:00	1925	2036

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		26#	7"	Surface	5,242'	5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 3/4"	Surface	5,242'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	Fresh Wate	BBL. 20		8.33
Spacer type	Caustic	BBL. 10		8.50
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 _____

Hours On Location

Date	Hours
7/27	12.0
Total	12.0

Operating Hours

Date	Hours
7/27	1.0
Total	1.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 500

Average Rates in BPM

MAX 10 BPM AVG 6

Cement Left in Pipe

Feet 83 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	270	50:50 Poz w/ Premium	(Includes 2% Gel) 4% Gel + .6% C-21 + .1% C-37 + 1pps Phenoseal	6.77	1.44	13.60
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	CAUSTIC	Preflush:	BBl	20.00	Type: WATER
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 197
		Actual TOC	3,510'	Calc. TOC:		3,675	Actual Disp. 185.00
Average		Bump Plug PSI:	1,400	Final Circ.	PSI:	700	Disp:Bbl 197.00
ISIP _____	5 Min. _____	10 Min. _____	15 Min _____	Cement Slurry:	BBl	69.3	
				Total Volume	BBl	274.25	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK0732	08/08/11

COUNTY	State	COMPANY	CUSTOMER REP
Harper	Kansas	andridge Exp and Productio	Felix Ortiz

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Bernice	1-17H	Liner	Larry Kirchner Jr.

EMP NAME							
Larry Kirchner							
Emmit Brock							
Robert Stonehocker							
David Thomas							

Form. Name _____ Type: _____

Packer Type _____ Set At 5,192'

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 9,505'

	Called Out	On Location	Job Started	Job Completed
Date	8/7/2011	8/8/2011	8/8/2011	8/8/2011
Time	16:30	00:00	5:32AM	7:30AM

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	New	11.6#	4 1/2"	4,020'	9,484'	3,500
Liner Tool						3,500
Drill Collars				3,105	4,020'	3,500
Drill Pipe		13.3	3 1/2"	Surface	3105'	3,500
Drill Pipe						
Open Hole			8 3/4"	Surface	9,484'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	Fresh Wate	BBL. 20		8.33
Spacer type	Caustic	BBL. 10		8.50
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 _____

Hours On Location

Date	Hours
8/8	7.5
Total	7.5

Operating Hours

Date	Hours
8/8	2.0
Total	2.0

Description of Job

Liner

Pressures

MAX 3,500 PSI AVG. 400

Average Rates in BPM

MAX 6 BPM AVG 4

Cement Left in Pipe

Feet 40 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives		W/Rq.	Yield	Lbs/Gal
1	550	50:50 Poz w/ Premium	(Includes 2% Gel) 4% Gel + .4% C-12 + .1% C-37 + 1pps Phenoseal		6.77	1.44	13.60
2	0	0		0	0.00	0.00	0.00
3	0	0		0	0.00	0.00	0.00

Summary

Preflush	10	Type:	CAUSTIC	Preflush: BBl	30.00	Type:	WATER
Breakdown		MAXIMUM	3,500 PSI	Load & Bkdn: Gal - BBl	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return BBl	N/A	Calc.Disp Bbl	111
		Actual TOC	3,638'	Calc. TOC:	3,617'	Actual Disp.	105.50
Average		Bump Plug PSI:		Final Circ. PSI:	400	Disp:Bbl	
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry: BBl	141.0		
				Total Volume BBl	276.50		

CUSTOMER REPRESENTATIVE _____ SIGNATURE

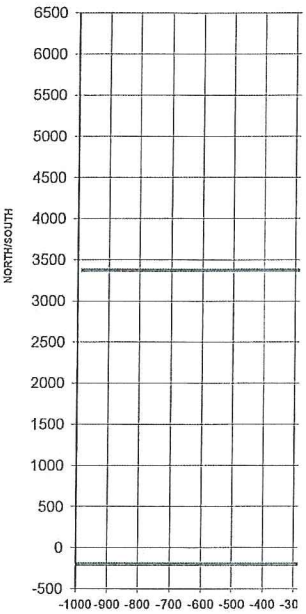
SandRidge ENERGY

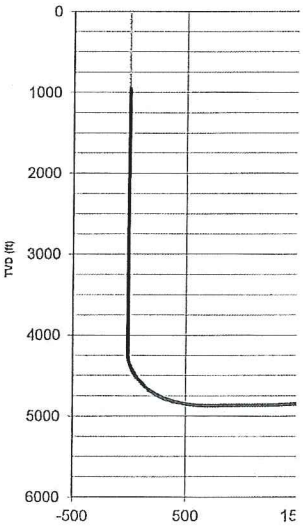
RIG: Lariat Rig 45

WELL:	Bernice 1-17H
LOCATION:	200' FSL & 1,980' FWL of 17-T35S-R7W
BHL:	1,720' FSL & 1,980' FWL of 8-T35S-R7W

Target Direction:	359 deg
North/South Hard Line:	-200
East/West Hard Line:	-1980

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/100
Tie-In								
1	960.00	0.20	10.60	960.00	1.65	0.31	1.65	0
2	1330.00	0.60	179.60	1329.99	0.34	0.44	0.35	0
3	1705.00	0.40	243.40	1704.98	-2.21	-0.72	-2.21	0
4	2182.00	0.70	236.80	2181.96	-4.55	-4.64	-4.59	0
5	2658.00	0.50	222.30	2657.93	-7.67	-8.47	-7.75	0
6	3134.00	0.20	353.50	3133.93	-8.39	-9.97	-8.48	0
7	3610.00	0.60	105.30	3609.92	-8.22	-7.66	-8.29	0
8	4087.00	0.70	110.60	4086.89	-9.90	-2.52	-9.92	0
9	4119.00	0.70	111.80	4118.89	-10.04	-2.15	-10.06	0
10	4182.00	0.80	102.80	4181.88	-10.28	-1.37	-10.30	0
11	4214.00	0.60	80.20	4213.88	-10.30	-0.99	-10.31	1
12	4246.00	2.80	13.80	4245.86	-9.52	-0.63	-9.52	8
13	4278.00	6.10	6.50	4277.76	-7.07	-0.26	-7.07	10
14	4309.00	9.70	1.30	4308.46	-2.82	-0.01	-2.82	12
15	4341.00	13.00	0.30	4339.83	3.48	0.07	3.48	10
16	4373.00	16.40	359.40	4370.78	11.60	0.04	11.60	11
17	4405.00	19.50	359.80	4401.22	21.46	-0.02	21.46	10
18	4436.00	20.20	359.10	4430.38	31.98	-0.13	31.98	2
19	4468.00	21.80	357.60	4460.25	43.44	-0.46	43.44	5
20	4500.00	24.80	356.90	4489.64	56.08	-1.07	56.07	9
21	4532.00	27.50	357.20	4518.36	70.17	-1.80	70.15	8
22	4563.00	30.50	357.70	4545.47	85.18	-2.46	85.15	10
23	4595.00	33.90	359.10	4572.55	102.22	-2.93	102.19	11
24	4627.00	36.70	1.40	4598.66	120.71	-2.84	120.68	10
25	4659.00	38.60	2.30	4624.00	140.24	-2.20	140.22	6
26	4691.00	41.10	1.70	4648.56	160.74	-1.49	160.71	8
27	4722.00	43.10	1.10	4671.56	181.51	-0.98	181.49	7
28	4754.00	45.50	1.00	4694.46	203.85	-0.57	203.84	8
29	4786.00	48.20	0.50	4716.35	227.20	-0.27	227.18	9
30	4818.00	51.90	0.10	4736.89	251.72	-0.14	251.71	12
31	4849.00	55.70	0.10	4755.19	276.73	-0.10	276.72	12
32	4881.00	59.30	359.80	4772.39	303.72	-0.13	303.70	11
33	4913.00	62.60	358.70	4787.92	331.69	-0.50	331.67	11
34	4945.00	65.60	358.80	4801.90	360.46	-1.12	360.43	9
35	4977.00	69.00	359.30	4814.25	389.97	-1.61	389.94	11
36	5008.00	71.90	359.70	4824.62	419.18	-1.87	419.15	9
37	5040.00	73.10	359.90	4834.24	449.70	-1.97	449.66	4
38	5072.00	75.50		4842.90	480.50	-2.00	480.46	8
39	5104.00	78.10	0.20	4850.21	511.66	-1.94	511.62	8
40	5135.00	80.50	0.30	4855.96	542.12	-1.81	542.07	8
41	5167.00	82.80	1.10	4860.61	573.77	-1.42	573.73	8
42	5193.00	84.60	1.10	4863.46	599.61	-0.93	599.57	7
43	5276.00	90.20	1.60	4867.22	682.47	1.03	682.45	7
44	5308.00	90.40	1.10	4867.06	714.46	1.78	714.44	2
45	5340.00	91.20	0.60	4866.61	746.45	2.25	746.44	3
46	5372.00	91.30	0.10	4865.91	778.44	2.45	778.43	2
47	5404.00	90.90		4865.30	810.44	2.48	810.42	1
48	5436.00	90.00	0.40	4865.05	842.43	2.59	842.42	3
49	5468.00	89.70	359.80	4865.13	874.43	2.65	874.42	2
50	5499.00	90.70	359.60	4865.02	905.43	2.48	905.42	3
51	5531.00	89.90	359.20	4864.85	937.43	2.15	937.41	3
52	5563.00	90.40	358.60	4864.77	969.42	1.53	969.40	2
53	5595.00	91.20	358.30	4864.32	1001.41	0.67	1001.37	3
54	5627.00	90.10	358.30	4863.96	1033.39	-0.28	1033.34	3
55	5659.00	89.20	358.10	4864.16	1065.38	-1.29	1065.32	3
56	5691.00	90.40	358.10	4864.27	1097.36	-2.35	1097.29	4
57	5723.00	90.90	357.10	4863.90	1129.33	-3.69	1129.24	3
58	5755.00	91.00	356.80	4863.37	1161.28	-5.39	1161.17	1
59	5803.00	91.00	357.00	4862.54	1209.20	-7.98	1209.07	0
60	5851.00	92.30	356.70	4861.15	1257.11	-10.62	1256.95	3
61	5899.00	93.00	356.20	4858.94	1304.96	-13.59	1304.78	2
62	5947.00	93.70	357.00	4856.13	1352.79	-16.43	1352.58	2
63	5979.00	94.00	357.20	4853.98	1384.68	-18.05	1384.45	1
64	6011.00	93.80	358.30	4851.80	1416.58	-19.30	1416.34	3
65	6043.00	92.30	358.50	4850.10	1448.52	-20.19	1448.27	5
66	6075.00	91.20	359.60	4849.13	1480.50	-20.72	1480.24	5
67	6107.00	90.00		4848.79	1512.50	-20.83	1512.24	4
68	6139.00	90.00	1.00	4848.79	1544.50	-20.56	1544.24	3
69	6171.00	89.90		4848.82	1576.50	-20.28	1576.24	3
70	6203.00	90.20	1.10	4848.79	1608.50	-19.97	1608.24	4
71	6235.00	90.40	1.30	4848.62	1640.49	-19.30	1640.23	1



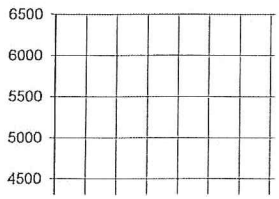


SandRidge ENERGY

RIG: Lariat Rig 45

WELL: Bernice 1-17H
LOCATION: 200' FSL & 1,980' FWL of 17-T35S-R7W
BHL: 1,720' FSL & 1,980' FWL of 8-T35S-R7W

Target Direction:	359 deg
North/South Hard Line:	-200
East/West Hard Line:	-1980



STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/100
72	6267.00	90.70	1.70	4848.32	1672.48	-18.46	1672.23	2
73	6299.00	90.10	1.20	4848.09	1704.46	-17.65	1704.22	2
74	6331.00	88.90	0.90	4848.37	1736.46	-17.07	1736.22	4
75	6363.00	88.50	0.40	4849.10	1768.45	-16.70	1768.21	2
76	6395.00	88.70	359.80	4849.88	1800.44	-16.65	1800.20	2
77	6427.00	90.00	359.60	4850.24	1832.43	-16.81	1832.19	4
78	6459.00	90.10		4850.21	1864.43	-16.93	1864.19	1
79	6491.00	90.10	359.30	4850.16	1896.43	-17.12	1896.19	2
80	6523.00	89.60	358.40	4850.24	1928.43	-17.76	1928.17	3
81	6571.00	89.80	356.60	4850.49	1976.38	-19.86	1976.10	4
82	6619.00	91.40	357.30	4849.99	2024.30	-22.41	2024.00	4
83	6651.00	92.00	356.80	4849.04	2056.25	-24.06	2055.93	2
84	6683.00	92.10	357.00	4847.90	2088.18	-25.79	2087.84	1
85	6715.00	91.20	356.80	4846.98	2120.12	-27.52	2119.77	3
86	6747.00	90.60	355.90	4846.47	2152.05	-29.55	2151.68	3
87	6778.00	89.90	356.30	4846.34	2182.98	-31.66	2182.58	3
88	6810.00	89.80	356.70	4846.42	2214.92	-33.61	2214.50	1
89	6841.00	89.50	357.10	4846.61	2245.87	-35.29	2245.44	2
90	6872.00	89.80	358.20	4846.80	2276.85	-36.56	2276.40	4
91	6904.00	90.20	358.00	4846.80	2308.83	-37.62	2308.37	1
92	6936.00	90.60	359.70	4846.58	2340.82	-38.27	2340.35	5
93	6968.00	90.60	359.60	4846.24	2372.82	-38.46	2372.35	0
94	7000.00	90.90	359.60	4845.82	2404.81	-38.68	2404.34	1
95	7032.00	90.90	1.60	4845.32	2436.81	-38.35	2436.34	6
96	7064.00	91.30	1.20	4844.71	2468.79	-37.57	2468.33	2
97	7096.00	90.40	2.20	4844.23	2500.77	-36.62	2500.32	4
98	7128.00	89.70	2.20	4844.20	2532.75	-35.39	2532.30	2
99	7160.00	90.10	2.70	4844.26	2564.72	-34.02	2564.28	2
100	7192.00	89.30	2.20	4844.43	2596.69	-32.65	2596.27	3
101	7224.00	89.20	2.50	4844.85	2628.66	-31.34	2628.25	1
102	7256.00	88.80	3.10	4845.40	2660.62	-29.78	2660.22	2
103	7288.00	88.80	2.20	4846.07	2692.57	-28.30	2692.19	3
104	7320.00	89.00	2.50	4846.69	2724.54	-26.99	2724.17	1
105	7352.00	89.70	1.50	4847.05	2756.52	-25.87	2756.15	4
106	7384.00	90.90	0.90	4846.88	2788.51	-25.20	2788.15	4
107	7416.00	91.60	0.90	4846.19	2820.50	-24.70	2820.14	2
108	7448.00	92.00	0.90	4845.18	2852.48	-24.20	2852.12	1
109	7480.00	92.30	359.80	4843.98	2884.46	-24.00	2884.10	4
110	7512.00	90.90	1.10	4843.09	2916.44	-23.75	2916.09	6
111	7544.00	89.90	0.80	4842.86	2948.44	-23.22	2948.09	3
112	7576.00	90.00	0.60	4842.89	2980.43	-22.83	2980.09	1
113	7608.00	90.10	359.90	4842.86	3012.43	-22.69	3012.08	2
114	7640.00	90.00		4842.83	3044.43	-22.72	3044.08	0
115	7672.00	89.80	0.10	4842.89	3076.43	-22.69	3076.08	1
116	7704.00	89.80	359.50	4843.00	3108.43	-22.80	3108.08	2
117	7736.00	90.00	359.10	4843.06	3140.43	-23.19	3140.07	1
118	7768.00	90.50	359.10	4842.92	3172.43	-23.69	3172.06	2
119	7800.00	90.80	358.70	4842.56	3204.42	-24.31	3204.05	2
120	7832.00	90.90	359.20	4842.08	3236.41	-24.89	3236.03	2
121	7864.00	90.80	359.80	4841.61	3268.40	-25.17	3268.02	2
122	7895.00	91.30	359.40	4841.04	3299.40	-25.39	3299.01	2
123	7927.00	90.90	359.40	4840.42	3331.39	-25.73	3331.00	1
124	7959.00	91.10	359.50	4839.87	3363.38	-26.03	3362.99	1
125	7991.00	91.50	358.80	4839.14	3395.37	-26.51	3394.97	3
126	8023.00	90.70	358.60	4838.53	3427.36	-27.23	3426.95	3
127	8055.00	89.80	359.10	4838.39	3459.35	-27.87	3458.93	3
128	8087.00	88.00	358.90	4839.00	3491.34	-28.43	3490.91	6
129	8119.00	88.00	359.40	4840.12	3523.31	-28.91	3522.89	2
130	8151.00	88.30	358.90	4841.15	3555.29	-29.38	3554.86	2
131	8183.00	88.40	359.30	4842.07	3587.28	-29.88	3586.84	1
132	8215.00	88.40	359.30	4842.96	3619.26	-30.28	3618.82	
133	8246.00	88.90	359.20	4843.69	3650.25	-30.68	3649.80	2
134	8278.00	88.90	359.00	4844.31	3682.24	-31.18	3681.78	1
135	8310.00	89.00	358.50	4844.90	3714.23	-31.88	3713.76	2
136	8342.00	91.00	358.40	4844.90	3746.21	-32.75	3745.74	6
137	8374.00	92.70	358.20	4843.86	3778.18	-33.70	3777.70	5
138	8406.00	92.80	357.30	4842.33	3810.12	-34.95	3809.62	3
139	8438.00	93.20	357.90	4840.65	3842.05	-36.29	3841.54	2
140	8470.00	93.10	357.60	4838.89	3873.98	-37.54	3873.45	1
141	8502.00	92.40	357.30	4837.36	3905.91	-38.97	3905.37	2
142	8534.00	92.60	356.80	4835.96	3937.83	-40.61	3937.28	2
143	8566.00	92.20	358.20	4834.62	3969.77	-42.01	3969.20	5
144	8598.00	92.00	357.50	4833.45	4001.73	-43.20	4001.14	2

SandRidge ENERGY

RIG: Lariat Rig 45

WELL: Bernice 1-17H
LOCATION: 200' FSL & 1,980' FWL of 17-T35S-R7W
BHL: 1,720' FSL & 1,980' FWL of 8-T35S-R7W

Target Direction:	359 deg
North/South Hard Line:	-200
East/West Hard Line:	-1980

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/100
145	8629.00	90.50	358.00	4832.77	4032.70	-44.42	4032.10	5
146	8661.00	89.70	357.70	4832.72	4064.67	-45.62	4064.06	3
147	8693.00	89.60	357.30	4832.91	4096.64	-47.02	4096.02	1
148	8725.00	89.20	357.70	4833.25	4128.61	-48.41	4127.97	2
149	8757.00	88.90	357.90	4833.78	4160.58	-49.64	4159.93	1
150	8789.00	88.70	357.50	4834.45	4192.55	-50.93	4191.88	1
151	8821.00	89.10	357.90	4835.06	4224.52	-52.21	4223.84	2
152	8853.00	89.00	357.50	4835.59	4256.49	-53.49	4255.80	1
153	8885.00	89.40	358.40	4836.04	4288.46	-54.64	4287.76	3
154	8917.00	90.00	358.10	4836.21	4320.45	-55.62	4319.73	2
155	8949.00	89.50	358.40	4836.35	4352.43	-56.59	4351.71	2
156	8981.00	89.20	357.90	4836.71	4384.41	-57.63	4383.68	2
157	9013.00	88.40	357.10	4837.38	4416.38	-59.02	4415.62	4
158	9045.00	88.60	358.50	4838.22	4448.34	-60.25	4447.58	4
159	9077.00	89.90	358.20	4838.64	4480.32	-61.17	4479.55	4
160	9109.00	89.30	358.70	4838.86	4512.31	-62.04	4511.53	2
161	9141.00	91.10	358.80	4838.75	4544.30	-62.73	4543.51	6
162	9173.00	90.50	359.00	4838.30	4576.29	-63.35	4575.49	2
163	9205.00	91.30	358.80	4837.80	4608.28	-63.96	4607.48	3
164	9236.00	90.90	358.10	4837.21	4639.27	-64.80	4638.45	3
165	9268.00	90.60	358.40	4836.79	4671.25	-65.78	4670.42	1
166	9300.00	89.80	358.40	4836.67	4703.24	-66.67	4702.40	2
167	9332.00	90.00	358.90	4836.73	4735.23	-67.43	4734.38	2
168	9364.00	90.70	358.40	4836.54	4767.22	-68.18	4766.36	3
169	9396.00	90.10	358.20	4836.31	4799.20	-69.13	4798.34	2
170	9440.00	90.10	358.20	4836.23	4843.18	-70.51	4842.30	
171	9486.00	90.10	358.20	4836.15	4889.16	-71.96	4888.26	
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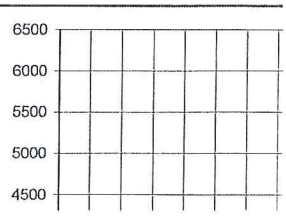

Summary of Changes

Lease Name and Number: Bernice 1-17H

API/Permit #: 15-077-21739-01-00

Doc ID: 1244714

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	11/08/2011	03/04/2015
CasingNumbSacksUsedPDF_1	245	425
CasingPurposeOfStringPDF_3	Prod Liner	Liner
Contractor Name	Lariat Services, Inc.	Lariat Services, Inc. dba Chaparral, Drilling, Fluids
Fracturing Question 1		Yes
Fracturing Question 2		Yes
Fracturing Question 3		Yes
LocationInfoLink	https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=17&t	https://kolar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=17&t
Operator's Contact Name	Karen Sharp	Tiffany Golay
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1062041	../../kcc/detail/operatorEditDetail.cfm?docID=1244714

Summary of Attachments

Lease Name and Number: Bernice 1-17H

API: 15-077-21739-01-00

Doc ID: 1244714

Correction Number: 1

Attachment Name

Cement Reports

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1062041

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Karen Sharp
Phone: (405) 429-5745
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: Tammy Alcorn
Purchaser: Gas: Atlas PL Mid-Continent Westok, LLC; Crude: Coffeyville Resources Refining & Marketing, LLC

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

07/19/2011	08/09/2011	08/30/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-21739-01-00
Spot Description:
S2 - S2 - SE - SW Sec. 17 Twp. 35 S. R. 7 [ ] East [x] West
200 Feet from [ ] North / [x] South Line of Section
1980 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Harper
Lease Name: Bernice Well #: 1-17H
Field Name: Waldron West
Producing Formation: Mississippi
Elevation: Ground: 1279 Kelly Bushing: 1298
Total Depth: 9486 Plug Back Total Depth: 9451
Amount of Surface Pipe Set and Cemented at: 927 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 5000 ppm Fluid volume: 6270 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Triple C Soil Farming
Lease Name: Triple C License #: 99999
Quarter NE Sec. 23 Twp. 29 S. R. 9 [ ] East [x] West
County: Alfalfa, OK Permit #: 18107

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

- [x] **Letter of Confidentiality Received**
  Date: 10/27/2011
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [x] I [ ] II [ ] III **Approved by:** NAOMI JAMES **Date:** 11/08/2011