KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1147624

Form ACO-1
June 2009
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: Wanda Ledbetter
Phone: (405) 429-5500
CONTRACTOR: License # 34891
Name: KOBY OILFIELD SERVICE, LLC
Wellsite Geologist: Kathy Gentry
Purchaser:

Designate Type of Completion:

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

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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: SandRidge Exploration and Production, LLC
Well Name: Luke SWD 1-10
Original Comp. Date: 1/27/2012 Original Total Depth: 6859

- [ ] Deepening
- [x] Re-perf.
- [ ] Conv. to ENHR
- [ ] Conv. to SWD
- [x] Conv. to GSW
- [x] Plug Back: 5205 Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

6/10/2013	7/23/2013	7/30/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21609-00-01
Spot Description:
SW - SW - NW - SW Sec. 10 Twp. 31 S. R. 20 [ ] East [x] West
1600 Feet from [ ] North / [x] South Line of Section
203 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Comanche
Lease Name: Luke 3120 Well #: 1-10
Field Name:
Producing Formation: Mississippi Lime
Elevation: Ground: 2029 Kelly Bushing: 2009
Total Depth: 6859 Plug Back Total Depth: 5205
Amount of Surface Pipe Set and Cemented at: 906 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: 10000 ppm Fluid volume: bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Native American Water Services, LLC
Lease Name: German License #: 34025
Quarter NE Sec. 28 Twp. 29 S. R. 22 [ ] East [x] West
County: Harper County, OK Permit #: 222660

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

- [ ] Letter of Confidentiality Received
  Date:
- [ ] Confidential Release Date:
- [ ] Wireline Log Received
- [ ] Geologist Report Received
- [ ] UIC Distribution

ALT [x] I [ ] II [ ] III Approved by: Deanna Garrison Date: 11/20/2013

Side Two

[redacted]

1147624

Operator Name: SandRidge Exploration and Production LLC Lease Name: Luke 3120 Well #: 1-10

Sec. 10 Twp. 31 S. R. 20 ☐ East ☑ West County: Comanche

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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
Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

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

Name	Top	Datum
Attached	Attached	Attached

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
Conductor	20	20	75	90	grout	12	see original comp report
Surface	14.75	10.75	45.5	906	O-Tex Lite Standard	850	see original comp report
Intermediate	9.88	7.63	29.7	6160	50/50 Poz Premium	430	see orginal comp report

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	-			
	-			

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: 2.875 Set At: 5860 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
	0	0			

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:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Luke 3120 1-10
Doc ID	1147624

Tops

Name	Top	Datum
Base Anhydrite	2412	-374
Base Heebner Shales	4142	-2104
Lansing Limestones	4314	-2276
Marmatton Limestones	4802	-2764
Oswego Limestones	4834	-2796
Cherokee shale Marker	4912	-2874
Mississippi Unconformity	5033	-2995
Kinderhook Shale	5775	-3749
Woodford Shale	Not present	Not present
Sylvan Sh/Maquoketa Dol	Not present	Not present
Viola Limestone/Dolostone	5783	-3737
Simpson Group	5929	-3891
Simpson Shale	6002	-3964
Oil Creek Sandstone	6058	-4020
Arbuckle Group	6091	-4053

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Luke 3120 1-10
Doc ID	1147624

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
		CIBP capped w/5 sks cmt	6111
4	5613-5797	CIBP	5550
3	5217-5221	CIBP capped w/2 sks cement	5205
3	5056-5156		
3	4952-4958		
		Sand Frac (see report)	5056-5221
		Gel Frac (see report)	4952-4958

Customer	SandRidge Energy
Customer Acct #	
Well No.	Luke 3120 #1-10
Mailing Address	
City and State	
Zip Code	
Dispatch Location	BARTLESVILLE

County	Comanche County, Kansas	Stage	1
Section	10	Formation	Mississippi
TWP	31S	TVD Perfs	5056-5221
RANGE	20W	MD Perfs	

START	9:07:59 AM
END	12:29:18 PM

WELL DATA

TREATMENT TYPE:	TREATMENT THROUGH CASING			PLUG DEPTH (FT)	
TVD OF PERFS	5056' - 5221'	MD OF PERFS	5056' - 5221'	PACKER DEPTH (FT)	
CASING SIZE (OD)	CASING WEIGHT	TMD TO TOP PERF(FT)	ID (INCHES)	DISPL COEF (BBL/FT)	VOLUME (BBLS)
7 5/8	29.7	5056	6.875	0.0459	232.1
0	0	0	0	0.0000	0.0
OVER FLUSH	0			DISPLACEMENT TO TOP PERF (BBLS)	232.1

TRUCK#	DRIVER	TRUCK#	DRIVER
421/T168	Jones, Ryan		
533/T122	Abbott, Kyle		
580	Wilson, Dale		
559/T114	Cassel, Mark		
560/T123	Monday, Tony		
664	Smith, Harrison		
552/T45	Holland, Mike		
588/T105	Morris, Matt		
600	Littlepage, Ryan		

PERF DATA

TOTAL HOLES SHOT	68
HOLE ID (IN)	
PHASING	
SPF	
EFFECTIVE HOLES	

CHEMICALS

SR-445	233
BIOSTAT 650	27
15% HCL ACID (3RD PARTY DELIVERED)	10500
ACID INHIBITOR (AI-260)	21
IRON CONTROL (SP-950)	21
ACID RETARDER (AR-104)	104
FRAC GEL SLURRY (GA-15L)	448
BREAKER AMMONIUM PERSULFATE	100

FET ANALYSIS (Optional)

FLUID WEIGHT	8.34	MAX RATE:		MAX PRESSURE		ISDP		FRAC GRAD	
HYDROSTATIC HEIGHT	5056	RATE 1		PRESSURE 1		5 MIN SIP		FLUID EFF (%)	
FLUID SG	1.01	RATE 2		PRESSURE 2		10 MIN SIP		CALC PERM	
HYDROSTATIC PRESS	2192.69	RATE 3		PRESSURE 3		15 MN SIP			

PRESSURE DATA

MAX PRESSURE	INITIAL PRESSURE	BREAKDOWN PRESSURE	ISIP	5 MIN	10 MIN	15 MIN	30 MIN	
3000	on Vacuum	1743 PSI at 7.3 BPM, 42 BBL away	630	476	442	420		

SUMMARY

TOTAL FLUID PUMPED	2777 BBLS
PROPPANT PUMPED	30198 LBS
MAX RATE	0 BBL/MIN
MIN RATE	0 BBL/MIN
AVERAGE RATE	0
FOAM QUALITY	
AMOUNT OF FOAM PUMPED	
TYPE OF FOAM	

MAX TREATING PRESSURE	0 PSI
MIN TREATING PRESSURE	0 PSI
AVE TREATING PRESSURE	0
FLUID WEIGHT	8.34
HYDROSTATIC HEIGHT	5056
HYDROSTATIC PRESS	2,192.69
FRAC GRADIENT	0.56

PROP TYPE	TOTAL PUMPED
40/70 WHITE SAND	30198 LBS
ACID	10584 GAL
TOTAL FLUID	2777 BBLS

STAGE	CLEAN BBLS	DESIGN	FLUID TYPE	PRESSURE	RATE	PROP AMOUNT	DESIGN	CONC	TYPE
1	24	24	15% HCL Acid	0	8.6	0.00		0.00	
2	143	143	20# Linear Gel	988-1743	7.3-15.5	0.00		0.00	
3	48	48	Gelled 15% Acid	977-987	15.4-15.5	0.00		0.00	
4	143	143	20# Linear Gel	988-1074	15.4-15.5	0.00		0.00	
5	48	48	Gelled 15% Acid	1074-1106	15.4-15.6	0.00		0.00	
6	145	143	20# Linear Gel	1082-1116	15.5-15.6	0.00		0.00	
7	143	143	20# Linear Gel	1023-1137	15.5	1501.50	1500 LBS	0.25	40/70 WHITE SAND
8	143	143	20# Linear Gel	952-1021	15.5	3003.00	3000 LBS	0.50	40/70 WHITE SAND
9	143	143	20# Linear Gel	918-950	15.5	4504.50	4500 LBS	0.75	40/70 WHITE SAND

10	143	143	20# Linear Gel	899-916	15.3-15.4	6006.00	6000 LBS	1.00	40/70 WHITE SAND
11	261	265	Treated Water	852-1037	15.4-15.5	0.00		0.00	
12	24	24	15% HCL Acid	1038-1097	15.4-15.5	0.00		0.00	
13	143	143	20# Linear Gel	1000-1085	15.3-15.5	0.00		0.00	
14	48	48	Gelled 15% Acid	987-999	15.4-15.5	0.00		0.00	
15	143	143	20# Linear Gel	935-985	15.4	0.00		0.00	
16	48	48	Gelled 15% Acid	933-938	15.4	0.00		0.00	
17	143	143	20# Linear Gel	886-931	15.4	0.00		0.00	
18	143	143	20# Linear Gel	836-884	15.4-15.8	1501.50	1500 LBS	0.25	40/70 WHITE SAND
19	141	143	20# Linear Gel	804-835	15.4	2961.00	3000 LBS	0.50	40/70 WHITE SAND
20	143	143	20# Linear Gel	797-841	15.4	4504.50	4500 LBS	0.75	40/70 WHITE SAND
21	148	143	20# Linear Gel	821-839	15.4	6216.00	6000 LBS	1.00	40/70 WHITE SAND
Remarks									

Customer	SandRidge Energy
Customer Acct #	
Well No.	Luke 3120 #1-10
Mailing Address	
City and State	
Zip Code	
Dispatch Location	BARTLESVILLE

County	Comanche County, Kansas	Stage	2
Section	10	Formation	Cherokee
TWP	31S	TVD Perfs	4952-4958
RANGE	20W	MD Perfs	

START	3:27:58 PM
END	5:01:02 PM

WELL DATA

TREATMENT TYPE:	TREATMENT THROUGH CASING			PLUG DEPTH (FT)	
TVD OF PERFS	4952' - 4958'	MD OF PERFS	4952' - 4958'	PACKER DEPTH (FT)	
CASING SIZE (OD)	CASING WEIGHT	TMD TO TOP PERF(FT)	ID (INCHES)	DISPL COEF (BBL/FT)	LUME (BB
7 5/8	29.7	4952	6.875	0.0459	227.4
0	0	0	0	0.0000	0.0
OVER FLUSH	0			DISPLACEMENT TO TOP PERF (BBLS)	227.4

TRUCK#	DRIVER	TRUCK#	DRIVER
421/T168	Jones, Ryan		
533/T122	Abbott, Kyle		
580	Wilson, Dale		
559/T114	Cassel, Mark		
560/T123	Monday, Tony		
664	Smith, Harrison		
552/T45	Holland, Mike		
588/T105	Morris, Matt		
600	Littlepage, Ryan		

PERF DATA

TOTAL HOLES SHOT	24
HOLE ID (IN)	
PHASING	
SPF	
EFFECTIVE HOLES	

CHEMICALS

SR-445	60
BIOSTAT 650	6
15% HCL ACID (3RD PARTY DELIVERED)	6000
ACID INHIBITOR (AI-260)	12
IRON CONTROL (SP-950)	12
ACID RETARDER (AR-104)	60
FRAC GEL SLURRY (GA-15L)	68
BREAKER AMMONIUM PERSULFATE	50

FET ANALYSIS (Optional)

FLUID WEIGHT	8.34	MAX RATE:		MAX PRESSURE		ISDP		FRAC GRAD	
HYDROSTATIC HEIGHT	4952	RATE 1		PRESSURE 1		5 MIN SIP		FLUID EFF (%)	
FLUID SG	1.01	RATE 2		PRESSURE 2		10 MIN SIP		CALC PERM	
HYDROSTATIC PRESS	2147.58	RATE 3		PRESSURE 3		15 MN SIP			

PRESSURE DATA

MAX PRESSURE	INITIAL PRESSURE	BREAKDOWN PRESSURE	ISIP	5 MIN	10 MIN	15 MIN	30 MIN	
3000	12	750 PSI at 4.1 BPM, 2 BBL away	1349	1,260	1,230	1196		

SUMMARY

TOTAL FLUID PUMPED	714 BBLS
PROPPANT PUMPED	0 LBS
MAX RATE	0 BBL/MIN
MIN RATE	0 BBL/MIN
AVERAGE RATE	0
FOAM QUALITY	
AMOUNT OF FOAM PUMPED	
TYPE OF FOAM	

MAX TREATING PRESSURE	0 PSI
MIN TREATING PRESSURE	0 PSI
AVE TREATING PRESSURE	0
FLUID WEIGHT	8.34
HYDROSTATIC HEIGHT	4952
HYDROSTATIC PRESS	2,147.58
FRAC GRADIENT	0.71

PROP TYPE	TOTAL PUMPED
ACID	5838
TOTAL FLUID	714 BBLS

STAGE	CLEAN BBLS	DESIGN	FLUID TYPE	PRESSURE	RATE	PROP AMOUNT	DESIGN	CONC	TYPE
1	143	143	20# Linear Gel	248-1300	2.1-10.4	0.00		0.00	
2	71	71	Gelled 15% Acid	1302-1405	10.2	0.00		0.00	
3	167	167	20# Linear Gel	1407-1568	10.2	0.00		0.00	
4	68	71	Gelled 15% Acid	1419-1609	8.9-10.2	0.00		0.00	
5	12	12	20# Linear Gel	1534-1556	10.1	0.00		0.00	
6	253	253	Treated Water	1534-1625	10-10.1	0.00		0.00	
7						0.00		0.00	
8						0.00		0.00	
9						0.00		0.00	
10						0.00		0.00	
11						0.00		0.00	
12						0.00		0.00	
13						0.00		0.00	
14						0.00		0.00	
15						0.00		0.00	
16						0.00		0.00	
17						0.00		0.00	
18						0.00		0.00	
19						0.00		0.00	
20						0.00		0.00	
21						0.00		0.00	
22						0.00		0.00	
23						0.00		0.00	
24						0.00		0.00	