Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1183284

WELL PLUGGING RECORD

K.A.R. 82-3-117

Form CP-4
March 2009
Type or Print on this Form
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: Wanda Ledbetter
Phone: (405) 429-5500
Type of Well: *(Check one)* ☐ Oil Well ☐ Gas Well ☐ OG ☑ D&A ☐ Cathodic
☐ Water Supply Well ☐ Other: ☐ SWD Permit #:
☐ ENHR Permit #: ☐ Gas Storage Permit #:
Is ACO-1 filed? ☑ Yes ☐ No If not, is well log attached? ☐ Yes ☐ No
Producing Formation(s): List All *(If needed attach another sheet)*
Depth to Top: Bottom: T.D.
Depth to Top: Bottom: T.D.
Depth to Top: Bottom: T.D.

API No. 15 - 15-097-21766-00-00
Spot Description:
NE - NW - SW - SW Sec. 20 Twp. 30 S. R. 20 ☐ East ☑ West
1240 Feet from ☐ North / ☑ South Line of Section
430 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
County: Kiowa
Lease Name: Michael 3020 Well #: 1-20
Date Well Completed: 9/9/2013
The plugging proposal was approved on: *(Date)*
by: *(KCC **District** Agent's Name)*
Plugging Commenced: 9/9/2013
Plugging Completed: 9/9/2013

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or Water Records		*Casing Record (Surface, Conductor & Production)*			
Formation	Content	Casing	Size	Setting Depth	Pulled Out
		Conductor	20	110	0
		Surface	9.625	783	0
		Production	7	5923	0

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Kick off plug at 4506' . Base of plug at 4700'. 290 sks Premium H Cement. Per KCC District instructions.

Plugging Contractor License #: 34668 Name: LaMunyon Drilling, LLC
Address 1: PO BOX 1112 Address 2:
City: ENID State: OK Zip: 73702 + _ _ _ _
Phone: (580) 234-6018
Name of Party Responsible for Plugging Fees: SandRidge Exploration and Production, LLC
State of Oklahoma County, Oklahoma , ss.
Wanda Ledbetter *(Print Name)* ☑ Employee of Operator or ☐ Operator on above-described well,
being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.

Submitted Electronically

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

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 3023	09/09/13

COUNTY	State	COMPANY	CUSTOMER REP
Kiowa	Kansas	Sandridge Exploration & Production	Bill Tomlinson

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Michael 3020	1-20	Kickoff Plug	John Hall

EMP NAME							
John Hall		0					
Rocky Anthis							
Joseph Klemm							
Roy Morris							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 4500

	Called Out	On Location	Job Started	Job Completed
Date	9/9/2013	9/9/2013	9/9/2013	9/9/2013
Time	900	1400	1530	1700

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		0.0	0		Surface	4,500	5,000
Liner							
Liner							
Tubing			5"				
Drill Pipe							
Open Hole			8¾"		Surface	4,500	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Mud	Density 9.1	Lb/Gal	
Spacer type	resh Wate	BBL. 10		8.33
Spacer type		BBL.		
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
9/9	3.0
Total	3.0

Operating Hours

Date	Hours
9/9	1.5
Total	1.5

Description of Job

Kickoff Plug

Pressures

MAX 200 PSI AVG.

Average Rates in BPM

MAX 5 BPM AVG

Cement Left in Pipe

Feet N/a Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	290	Premium H	0.5% C-37	3.40	0.94	17.50
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	10.00	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 67
		Actual TOC	4,000	Calc. TOC:		4,000	Actual Disp. 67.40
Average		Bump Plug PSI:		Final Circ.	PSI:		Disp:Bbl 67.40
ISIP _____	5 Min. _____	10 Min. _____	15 Min _____	Cement Slurry:	BBl	48.5	
				Total Volume	BBl	125.90	

CUSTOMER REPRESENTATIVE Bill Tomlinson

SIGNATURE

****Notify Schlumberger 8 hours before trucks are needed. Contact David Clayton at 501-428-6684.****

7-7/8" HOLE SECTION

- **9-5/8" shoe = 744'**
- **8-3/4" TD = 5660'**
- **KOP = 4506'**
- **Base of Plug = 4700'**

➢ Have plenty of fresh water at rig for cement job, at least 500 bbls.

Rig up Schlumberger and test lines to 5,000 psi.

Plug Slurry: 290 sx Class H Cement

- Additives:
  - .4% Dispersant
- Weight: 17.5 ppg
- Yield: 0.94 cuft/sk
- Water: 3.47 gal/sk

1. TIH open-ended to 4700'.
2. Circulate pipe capacity to clear string.
3. Spot 290 sx class H cement.
4. POOH 7 stands DP. Circulate hole capacity to clear excess cement.
5. Wait on cement 24 hours.
6. PU 8-3/4" tri-cone bit, 1.83° motor, and directional tools.
7. TIH to locate top of hard cement.
8. Kick-off to 3° to get separation from original wellbore.
9. Once separated, POOH to PU Security FXD55M
10. ***Rotate at 3° to catch up with plan.*** Refer to directional plan to build curve.

If you have any questions, please call.

Justin Mueller
Drilling Engineer
405-429-5773 Office
405-613-6840 Mobile