

API No. <b>15-077-21951-00-00</b>
OTC/OCC Operator No. <b>34192-0</b>

**CEMENTING REPORT**  
To Accompany Completion Report

Form 1002C  
Rev. 1996

**OKLAHOMA CORPORATION COMMISSION**  
Oil & Gas Conservation Division  
Post Office Box 52000-2000  
Oklahoma City, Oklahoma 73152-2000  
OAC 165:10-3-4(h)

All operators must include this form when submitting the Completion Report, (Form 1002A). The signature on this statement must be that of qualified employees of the cementing company and operator to demonstrate compliance with OAC 165:10-3-4(h). It may be advisable to take a copy of this form to location when cementing work is performed.

**TYPE OR USE BLACK INK ONLY**

*Field Name <b>Stohrville</b>	OCC District		
*Operator <b>Sandridge Exploration &amp; Production</b>	OCC/OTC Operator No <b>34192-0</b>		
*Well Name/No. <b>Flinn A 3306 1-11</b>	County <b>Harper</b>		
*Location 1/4      1/4      1/4      1/4	Sec <b>11</b>	Twp <b>33S</b>	Rge <b>6W</b>

Cement Casing Data	Conductor Casing	Surface Casing	Alternative Casing	Intermediate Casing	Production String	Liner
Cementing Date		<b>7/13/2013</b>				
*Size of Drill Bit (Inches)		<b>12 1/4"</b>				
*Estimated % wash or hole enlargement used in calculations		<b>150%</b>				
*Size of Casing (inches O.D.)		<b>8 5/8"</b>				
*Top of Liner (if liner used) (ft.)		<b>N/A</b>				
*Setting Depth of Casing (ft.) from ground level		<b>633.4</b>				
Type of Cement (API Class) In first (lead) or only slurry		<b>O-TEX Lite Premium Plus</b>				
In second slurry		<b>Premium Plus (Class C)</b>				
In third slurry		<b>N/A</b>				
Sacks of Cement Used In first (lead) or only slurry		<b>250</b>				
In second slurry		<b>100</b>				
In third slurry		<b>N/A</b>				
Vol of slurry pumped (Cu ft)(14.X15.) in first (lead) or only slurry		<b>460</b>				
In second slurry		<b>132</b>				
In third slurry		<b>N/A</b>				
Calculated Annular Height of Cement behind Pipe (ft)		<b>Surface</b>				
Cement left in pipe (ft)		<b>46.48</b>				

*Amount of Surface Casing Required (from Form 1000)	ft.
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*Was cement circulated to Ground Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	*Was Cement Staging Tool (DV Tool) used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
*Was Cement Bond Log run? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If so, Attach Copy)	*If Yes, at what depth?      ft

**CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE OF FORM**

\* Designates items to be completed by Operator.  
Items **not** so designated shall be completed by the Cementing Company.





<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2971</b>	TICKET DATE <b>08/19/13</b>
COUNTY <b>Harper</b>	State <b>Kansas</b>	COMPANY <b>Sandridge Exploration &amp; Production</b>	CUSTOMER REP <b>Mike</b>	
LEASE NAME <b>Flinn A 3306</b>	Well No. <b>1-11</b>	JOB TYPE <b>Recement</b>	EMPLOYEE NAME <b>Johnny Breeze</b>	

EMP NAME					
Johnny Breeze		0			
Bryan Douglas					
Flo Helkena					
Dustin Odum					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At **0**

Bottom Hole Temp. **125** Pressure \_\_\_\_\_

Retainer Depth **4335** Total Depth **4368**

Date	Called Out <b>8/19/2013</b>	On Location <b>8/19/2013</b>	Job Started <b>8/19/2013</b>	Job Completed <b>8/19/2013</b>
Time	<b>1200</b>	<b>1800</b>	<b>1910</b>	<b>2030</b>

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
Casing		0.0	5 1/2		Surface	5,000
Liner						
Liner						
Tubing		8.0	2 7/8		Surface	4,335
Drill Pipe						
Open Hole					Surface	4,565'
Perforations						4,368
Perforations						
Perforations						


Materials			
Mud Type	WBM	Density	<b>9</b> Lb/Gal
Disp. Fluid	Fresh Water	Density	<b>8.33</b> Lb/Gal
Spacer type	resh Water	BBL.	<b>5</b> <b>8.33</b>
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	
8/19	3.0	8/19	3.0	Recement
Total	<b>3.0</b>	Total	<b>3.0</b>	

Pressures	
MAX	<b>5,000 PSI</b>
AVG.	<b>1000</b>
Average Rates in BPM	
MAX	<b>8 BPM</b>
AVG	<b>3</b>
Cement Left in Pipe	
Feet	Reason

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	100	50/50 Poz (Class C)	4% Total Gel - 0.4% C-12 - 5% Gypsum - 0.4% C-41P	8.16	1.62	13.20
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary			
Preflush Breakdown	Type: _____	Preflush: BBI	<b>5.00</b> Type: Fresh Water
	MAXIMUM _____	Load & Bkdn: Gal - BBI	<b>N/A</b> Pad:Bbl -Gal <b>N/A</b>
	Lost Returns-N _____	Excess /Return BBI	<b>N/A</b> Calc. Disp Bbl <b>23</b>
	Actual TOC _____	Calc. TOC: _____	Actual Disp. <b>22.40</b>
Average	Bump Plug PSI: _____	Final Circ. PSI: <b>800</b>	Disp:Bbl _____
ISIP _____ 5 Min.	10 Min _____ 15 Min _____	Cement Slurry: BBI	<b>28.9</b>
		Total Volume BBI	<b>56.25</b>

CUSTOMER REPRESENTATIVE  SIGNATURE



TREATMENT REPORT  
FRAC AND ACID

Customer	SandRidge
Customer Acct #	
Well No.	Flinn A #3306 1-11
Mailing Address	
City and State	
Zip Code	
Dispatch Location	PONCA CITY

County	Harper County, Kansas	Stage	3 of 3
Section	11	Formation	Mississippi
TWP	33S	TVD Perfs	4352-4364
RANGE	6W	MD Perfs	

START	9:38:35 PM
END	9:54:21 PM

WELL DATA						TRUCK#	DRIVER	TRUCK#	DRIVER
TREATMENT TYPE:	TREATMENT THROUGH TUBING IN CASING					PLUG DEPTH (FT)			
TVD OF PERFS	4352' - 4364'	MD OF PERFS	4352' - 4364'	PACKER DEPTH (FT)		585-T181	Leobardo Loac		
CASING SIZE (OD)	CASING WEIGHT	TMD TO TOP PERF(FT)	ID (INCHES)	DISPL COEF (BBL/FT)	VOLUME (BBLs)	634-T178	Ivan Harvey		
5 1/2		4352	4.89	0.0232	101.1	686-T151	Mark Boley		
TUBING SIZE (IN)	TUBING WEIGHT	TMD TO BOTTOM OF TUBING(FT)				568	Mike Stone		
2 7/8		4310	2.441	0.0058	24.9	701	Gene Orr		
OVER FLUSH	0	DISPLACEMENT TO TOP PERF (BBL S)			25.9	586-T164	Dennis Cummings		
						423	Bo Hawkins		
						570-T174	Daniel Kupka		
						556	Tim Spielbusch		
						412-T122	Brian Hall		
						578-T226	Greg Hicks		
						626	Casey Boyer		

PERF DATA	CHEMICALS		
TOTAL HOLES SHOT		SR-445	71
HOLE ID (IN)		BIOSTAT 650	9
PHASING		15% HCL ACID (3RD PARTY DELIVERED)	10000
SPF		ACID INHIBITOR (AI-260)	10
		IRON CONTROL (SP-960)	20
		PLEXGEL 907L-EB	207
EFFECTIVE HOLES		BREAKER AMMONIUM PERSULFATE	55

FET ANALYSIS (Optional)									
FLUID WEIGHT	8.34	MAX RATE:	10.3	MAX PRESSURE	2437	ISDP	52	FRAC GRAD	0.45
HYDROSTATIC HEIGHT	4352	RATE 1		PRESSURE 1		5 MIN SIP	32	FLUID EFF (%)	
FLUID SG	1.01	RATE 2		PRESSURE 2		10 MIN SIP	0	CALC PERM	
HYDROSTATIC PRESS	1887.38	RATE 3		PRESSURE 3		15 MN SIP	0		

PRESSURE DATA								
MAX PRESSURE	INITIAL PRESSURE	BREAKDOWN PRESSURE		ISIP	5 MIN	10 MIN	15 MIN	30 MIN
5000	0	764 psi at 5.2 bpm		52	32	0	0	

SUMMARY			
TOTAL FLUID PUMPED	127 BBLs	MAX TREATING PRESSURE	2437 PSI
PROPPANT PUMPED	0 LBS	MIN TREATING PRESSURE	631 PSI
MAX RATE	10.3 BBL/MIN	AVE TREATING PRESSURE	1,778
MIN RATE	5.2 BBL/MIN		
AVERAGE RATE	8.372047244	FLUID WEIGHT	8.34
		HYDROSTATIC HEIGHT	4352
		HYDROSTATIC PRESS	1,887.38
		FRAC GRADIENT	0.45
FOAM QUALITY			
AMOUNT OF FOAM PUMPED			
TYPE OF FOAM			

PROP TYPE	TOTAL PUMPED
20/40 WHITE	0 LBS
ACID	7938 GAL
TOTAL FLUID	878 BBLs

STAGE	CLEAN BBLs	DESIGN	FLUID TYPE	PRESSURE	RATE	PROP AMOUNT	DESIGN	CONC	TYPE
1	10	20	Water	0-764	0-5.8	0.00		0.00	
2	67	48	15% HCL Acid	631-2437	5.2-10.3	0.00		0.00	
3	50	50	Water	2429-2339	10.3	0.00		0.00	
4						0.00		0.00	
5						0.00		0.00	
6						0.00		0.00	
7						0.00		0.00	
8						0.00		0.00	
9						0.00		0.00	
10						0.00		0.00	20/40 WHITE

Remarks

Pressure tested to 5682 psi

Backside had zero on it for duration of this stage