

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
SURF	17+1/2	13+3/8	54	0	422	375	0	422	VISU
1ST	12+1/4	8+5/8	24	0	1,665	100	1,225	1,665	CALC
2ND	7+7/8	5+1/2	15.5	0	5,597	165	5,180	5,597	CBL

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 06/14/2013

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
STAGE TOOL	S.C. 2.1	2,524	200	420	2,524

Details of work:

MIRU workover rig, TIH w 2-7/8" tubing, locate and open PC at 2524', mix and pump 200 sx 60/40 POZ 1.90 yield cement, close PC, reverse out, TOOH.

21. Formation log intervals and test zones:

FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analyses must be submitted to COGCC)
	Top	Bottom	DST	Cored	
NIOBRARA	692	730	<input type="checkbox"/>	<input type="checkbox"/>	
FORT HAYS	1,394	1,470	<input type="checkbox"/>	<input type="checkbox"/>	
DAKOTA	1,858	1,993	<input type="checkbox"/>	<input type="checkbox"/>	
BLAINE	2,806	2,940	<input type="checkbox"/>	<input type="checkbox"/>	
STONE CORRAL	3,090	3,126	<input type="checkbox"/>	<input type="checkbox"/>	
PENNSYLVANIAN	3,938	3,942	<input type="checkbox"/>	<input type="checkbox"/>	
SHAWNEE	4,122	4,269	<input type="checkbox"/>	<input type="checkbox"/>	
LANSING	4,340	4,640	<input type="checkbox"/>	<input type="checkbox"/>	
MARMATON	4,640	4,861	<input type="checkbox"/>	<input type="checkbox"/>	
CHEROKEE	4,861	4,999	<input type="checkbox"/>	<input type="checkbox"/>	
MORROW	5,147	5,250	<input type="checkbox"/>	<input type="checkbox"/>	
ST LOUIS	5,250	5,324	<input type="checkbox"/>	<input type="checkbox"/>	
SPERGEN	5,370	5,484	<input type="checkbox"/>	<input type="checkbox"/>	
OSAGE	5,500	5,540	<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Jake Flora

Title: Petroleum Engineer Date: 7/15/2013 Email: jakeflora@kfrcorp.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
400438184	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Directional Survey **	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	DST Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Logs	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Other	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Other Attachments			
2518506	IND-DENS-NEU	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400438159	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400438164	CBL 1ST RUN	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400438169	COMPOSITE	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400448022	MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Updated form with LAS log.	7/16/2013 1:12:37 PM
Permit	Waiting on LAS logs.	7/16/2013 11:01:49 AM

Total: 2 comment(s)