

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
CONDUCTOR	24	16	75	0	124	80	0	214	CALC
SURF	13+3/4	9+5/8	36	0	659	357	0	659	VISU
1ST	8+3/4	7	26	0	7,171	525	320	7,171	CALC
1ST LINER	6+1/8	4+1/2	11.6	7055	11,052	0			

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: _____

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom

Details of work:

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	
PIERRE	2,986		<input type="checkbox"/>	<input type="checkbox"/>	
PARKMAN	3,687		<input type="checkbox"/>	<input type="checkbox"/>	
SUSSEX	4,481		<input type="checkbox"/>	<input type="checkbox"/>	
SHANNON	5,048		<input type="checkbox"/>	<input type="checkbox"/>	
TEEPEE BUTTES	5,951		<input type="checkbox"/>	<input type="checkbox"/>	
NIOBRARA	6,831		<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: Kathleen Mills

Title: Regulatory Analyst Date: 5/10/2013 Email: kmills@nobleenergyinc.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
400416385	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
400416386	Directional Survey **	Yes <input checked="" type="checkbox"/>	No <input 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			
400416229	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400416377	CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400416378	MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400416379	MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400416388	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Per operator corrected TOP FEL from 768 FEL to 925FEL	7/22/2014 9:32:49 AM
Permit	On HOLD: Requested clarification on TOP footages. 200' difference FEL. requested to remove .las files.	7/22/2014 9:16:18 AM

Total: 2 comment(s)