

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:

FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analysis must be submitted to COGCC)
	Top	Bottom	DST	Cored	
PARKMAN	3,266				
SHARON SPRINGS	6,065				
NIOBRARA	6,270				

Operator Comments:

TPZ is estimated, actual TPZ location will be submitted on Form 5A. As of the date of submittal of this form, this well is planned to be completed 04/2021. Bradenhead tests will be run every 6 months. If completion date is pushed back to exceed more than 2 years, a MIT will be run.

Alternative Logging Program: No open-hole logs were run on this well. A Resistivity log was run on the STATE ANTELOPE Y-E-13HNC (05-123- 50291). Approved APD had BMP requiring one well on pad to be logged with open hole resistivity log with gamma ray.

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

Signed: _____ Print Name: Aubrey Noonan

Title: Regulatory Analyst Date: 3/31/2020 Email: regulatory@bonanzacrk.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
	CMT Summary *	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402348367	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"/>
<u>Other Attachments</u>			
402310645	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402345481	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402345625	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402349063	CEMENT JOB SUMMARY_PRODUCTION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402349066	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402349070	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402349123	LAS-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402349824	CEMENT JOB SUMMARY_SURFACE	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	Passed engineering review	01/26/2021
Permit	<ul style="list-style-type: none"> • GPS "Date of Measurement" is before Spud. Per operator,: "the as-built data was collected when the cellars and mousehole were set and before the rig moved onto location". • TPZ footages estimated; BHL footages verified. 	10/29/2020

Total: 2 comment(s)

