

Cement work date: 08/11/2015

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
SQUEEZE	1ST	761	200	794	857
PERF & PUMP	1ST	590	150	150	590

Details of work:

8/10/2015 MIRU Excell Services rig. Pump 15 bbls 2% KCL down tbg, Unhung well release TA, POOH w/ TA and 92 jts 2-3/8" tbg. RIH and talley tbg workstring 95 2-3/8" jts tbg, csg scraper, & bit. Found PBD @ 2993' KB. POOH w/ bit, scraper, and tbg. RIH w/ RBP, 86 jts tbg. Set RBP @ 2713' KB. POOH w/ 86 jts tbg. SWIFN

8/11/2015 RIH w/ packer and 84 jts tbg, set packer @ 2648' KB. Test RBP to 500 psi. HELD. Dump 2 sx sand on RBP. POOH w/ 34 jts tbg, set packer @ 1584' KB and test csg to 500 psi. HELD. POOH w/ 20 jts tbg, set packer @ 952' KB. Test csg to 500 psi. HELD. Release packer, POOH w/ 3 jts tbg, set packer @ 857' KB. Test csg to 500 psi. HELD. POOH w/ 2 jts tbg. Set packer @ 794' KB. Test to 500 psi, DID NOT HOLD. Test backside to 500 psi, HELD. Csg leak @ 794'-857' KB. Establish CIRC w/ rig pump. MIRU Basic cementers, Pump 30 bbls 2% KCL @ 2.0 bpm, 700 psi. Did not CIRC. Pumped 200 sx 60/40 Pozmix cmt w/ 2% CC. Max Pressure = 750 psi. Avg Pressure = 250 psi. Avg rate = 2.2 bpm. Max rate = 3.0 bpm. ISIP = 100 psi. Cmt did not circulate to surface. RD Basic cementers, RU BOP. SWIFN.

8/12/2015 RIH w/ bit, scraper, and 19.16 jts tbg. Tag top of Cmt. @ 621' KB. POOH with 19.16 jts tbg, bit, scraper. MIRU Pioneer wireline services. Run CBL-GR-CCL from 621' KB to surface. POOH with wireline. RU csg gun. Perf @ 590', 4 SPF w/ csg guns. RD wireline, RD BOP. MIRU Basic cement services. Establish circulation w/ 2% KCL. Pumped 150 sx 60/40 Pozmix cmt w/ 2% CC. Max Pressure = 250 psi. Avg Pressure = 50 psi. Avg rate = 3.0 bpm. Max rate = 3.0 bpm. ISIP = 200 psi. Cement CIRC to surface. RD Basic cementers, SWIFN.

8/13/2015 RIH w/ 3-3/4" bit, bit subs, 4 DCs, and 13 jts tbg. Tag top of Cmt @ 527' KB. RU pump and power swivel. Drill on Cmt squeeze, to 965' KB. Did not find bottom of Cmt. CIRC bottoms up, LD 1 jt tbg, SWIFN.

8/14/2015 RIH w/ 1 jt tbg, Drill out cement until 5pm. RIH w/ 35 jts tbg, 4 DC, bit sub, & bit @ 1216' KB. Did not find bottom of Cmt. CIRC bottoms up, LD 1 jt tbg, SWIFW.

8/17/2015 RD power swivel, POOH w/ 35 jts tbg, 4 DC, bit sub, & bit. Change out bit, RIH with 35 jts tbg, 4 DC, bit sub, & bit. RU power swivel. Drill out Cement until 5pm. RIH w/ 39 jts tbg, 4 DC, bit sub, & bit @ 1346' KB, did not find bottom of Cmt. CIRC bottoms up. Pressure test well to 440 psi, HELD, LD 1 jt tbg. SWIFN

8/18/2015 RIH w/ 1 jt tbg, Drill out cement until 5pm. RIH w/ 46 jts tbg, 4 DC, bit sub, & bit @ 1566' KB. Did not find bottom of Cmt. CIRC bottoms up, LD 1 jt tbg, SWIFN.

8/19/2015 RIH w/ 1 jt tbg, Drill out cement until 5pm. RIH w/ 51 jts tbg, 4 DC bit sub, & bit @ 1723' KB. Did not find bottom of Cmt. CIRC bottoms up, POOH with 51 jts tbg, 4 DC, bit sub, & bit. SWIFN.

8/20/2015 RIH with new bit, bit sub, 4 DC, & 51 jts tbg. Drill out 3 jts tbg @ 1816' KB. Start to lose circulation. POOH with 54 jts tbg, 4 DC, bit sub, & bit. LD work string and production tbg. RIH with 1000' of tbg. SWI. RDMO workover rig. Will P&A well at later date.

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	

Comment:

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

Signed: _____

Print Name: Ty Lunn

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
400890847	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"/>
400890848	Other	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<u>Other Attachments</u>			
400890846	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400890849	WELLBORE DIAGRAM	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments**User Group****Comment****Comment Date**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)