

ADDITIONAL CEMENT

Cement work date: 06/21/2011

Details of work:

6/18/2011
MIRU Perforators WL. RIH w/GR/CBL/CCL. Tgd WLPBTD @ 2,286'. Ld & PT 5-1/2" csg w/60 bbl pmp trk to 1,000 psig w/1 BPW. Tstd OK. Logged fr/2,493' to surf w/1,000 psig held on 5-1/2" csg. Est TOC 1st cmt stg @ 2,210' FS (DV tl @ 1,811'). Est TOC 2nd cmt stg @ 1,256' FS (8-5/8" csg @ 814'). RDMO Pmp trk & WL. ND BOP. ND WH. ND csg hd & pull 5-1/2" csg slips. TIH 39 jts Western rental 1-1/4" IJ tbg dwn 5-1/2" csg ann. Tgd @ 1,199'. TOH & LD 14 jts 1-1/4" tbg. EOT @ 776'. SWI. SDF Sunday.

6/20/2011
TIH 14 jts Western rental 1-1/4" IJ tbg dwn 5-1/2" csg ann. Tgd @ 1,199' FS (8-5/8" surf csg @ 814'). MIRU HES Cementers. Estb inj rate dwn 1-1/4" tbg @ 2,200 psig & 2 BPM w/2 BPW. Ppd 150 sks class A cmt mixed @ 13.5# ppg. Ppd cmt @ 1,960 psig & 2 BPM. Att to TOH 1-1/4" tbg w/no results. Found tbg stuck. Pulled 30K# & worked for 10 min w/no results. BO tbg. TOH & LD 10 jts 1-1/4" tbg. Left 29 jts 1-1/4" jts IJ tbg in hole fr/270' to 1,199'. RDMO HES & rig #15. SDWO cement.

6/21/2011
MIRU. MIRU Perforators WL. RIH w/GR/CBL/CCL. Tgd WLPBTD @ 2,286'. Ld & PT 5-1/2" csg w/80 bbl pmp trk to 1,000 psig w/1 BPW. Tstd OK. Logged fr/2,493' to surf w/1,000 psig held on 5-1/2" csg. Est TOC 1st cmt stg @ 2,210' FS (DV tl @ 1,811'). Est TOC 2nd cmt stg @ 818' FS (8-5/8" csg @ 814'). RDMO Pmp trk & WL. TIH 24 jts Western rental 1-1/4" IJ tbg dwn 5-1/2" csg ann. Tgd @ 726'. MIRU HES Cementers. Estb inj rate dwn 1-1/4" tbg @ 1,800 psig & 3 BPM w/2 BPW. Ppd 93 sks class A cmt mixed @ 12# ppg. Ppd cmt @ 1,500 psig & 3 BPM. Circ 15 sks cmt to pit. TOH & LD 24 jts 1-1/4" tbg. NU csg hd. SWI. RDMO HES & rig #15.

6/24/2011
MIRU Perforators WL. RIH w/GR/CBL/CCL. Tgd WLPBTD @ 2,495'. MIRU 80 bbl pmp trk. Ld & PT 5-1/2" csg to 1,000 psig w/1 BPW. Tstd OK. Logged fr/2,493' to surf w/1,000 psig held on 5-1/2" csg. Est TOC 1st cmt stg @ 2,210' FS (DV tl @ 1,811'). Est TOC 2nd cmt stg @ surf (8-5/8" csg @ 814'). RDMO Pmp trk & WL.

Method used	String	Cementing tool setting/pref depth	Cement volume	Cement top	Cement bottom
1 INCH	1ST		150	818	1,199
1 INCH	1ST		93	0	818

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	
RATON COAL	0		<input type="checkbox"/>	<input type="checkbox"/>	
VERMEJO COAL	2,009		<input type="checkbox"/>	<input type="checkbox"/>	
TRINIDAD	2,390		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

Hard copies of logs will be mailed as soon as received from vendor.

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

Signed: _____ Print Name: Wanett McCauley

Title: Reg Compliance Technician Date: 7/8/2011 Email: wanett_mccauley@xtoenergy.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
Attachment Checklist			
400179420	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			
400172700	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400178776	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400183443	LAS-COMBINATION OPEN HOLE	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
400183444	LAS-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	RE LOGS DOC#1669606-09	7/25/2011 12:46:06 PM
Permit	REQ HARD COPY LOGS	7/18/2011 8:19:05 AM

Total: 2 comment(s)