



State
of
Colorado

Andrews - DNR, David <david.andrews@state.co.us>

Gnat Hill 1-29 - 05-107-06243

2 messages

Keith.Smelker@shell.com <Keith.Smelker@shell.com>

Mon, Dec 3, 2012 at 8:56 AM

To: David.Andrews@state.co.us

Cc: A.Baldrige@shell.com, N.Feck@shell.com

David,

Over the past week on the above well, we reached intermediate casing point at 7512' MD, however we had major hole instability from 1400' MD – 2000' MD. After multiple cleanout trips, we decided to set a Cement plug to attempt to stabilize the formation across those zones. We set 2 clean 15.8 ppg Class G plugs from 1000' – 2500'. We drilled the plug to 1800' and began to see separation from the original wellbore. We have been trying for the last 2 days to get back onto the plug but it appears we cannot and at this point it looks like we will have to sidetrack. The current well is still 500' above the Hydrocarbon bearing interval. The sidetrack plan would be to create 50' of separation from the old well bore and drill to Intermediate Casing point. In the production interval we would steer back and hit the permitted BHL. We will provide a sundry with a new plan and details of the unplanned sidetrack.

I have attached a WBD with a current status of the well and the cement details are below:

Hole Depth: 7512'

Hole Size: 9.875"

Plug Details:

Plug 1: 2500'-1750' MD

Cement: 89.5 bbls (431 sacks) 15.8 ppg Class G Cement + 0.25 lb/sk LCM + 0.25% BWOB CaCl₂

Plug 1: 1750'-1000' MD

Cement: 89.5 bbls (431 sacks) 15.8 ppg Class G Cement + 0.25 lb/sk LCM + 0.25% BWOB CaCl₂

Comments: Tagged Cement at 1367' when drilling out.

Please let me know if you need more information.

I will follow up with a call to discuss.

Regards,
Keith Smelker

 **Gnat Hill 1-29 COGCC WBD.xlsx**
16K

Andrews - DNR, David <david.andrews@state.co.us>

Mon, Dec 3, 2012 at 9:38 AM

To: Keith.Smelker@shell.com

Cc: A.Baldrige@shell.com, N.Feck@shell.com, Barbara Westerdale - DNR <barbara.westerdale@state.co.us>, Jane Stanczyk - DNR <Jane.Stanczyk@state.co.us>, Kevin King - DNR <Kevin.King@state.co.us>, Jay Krabacher <jay.krabacher@state.co.us>, Shaun Kellerby - DNR <shaun.kellerby@state.co.us>, Kris Neidel - DNR <Kris.Neidel@state.co.us>

COGCC DOCUMENT NO. 2055674

Keith,

Your email and attachment satisfy all required items in Step 1.b. of the attached guidance. Consider this email your verbal approval to proceed with the sidetrack. Please begin preparation of the other required submittals for this sidetrack (see Step 3 and "Detailed Instructions for Form Requirements" on the attached guidance). Coordinate your submittals with Barbara Westerdale (COGCC Permitting).

Barbara,

I will add the following RemindmE to the well file: Dave Andrews provided verbal approval for a request to sidetrack on 12/03/2012. See scanned email correspondence, Document No. 2055674 for details.

Thanks,


David D. Andrews, P.E., P.G.
Engineering Supervisor - Western Colorado

State of Colorado
Oil and Gas Conservation Commission

707 Wapiti Court, Suite 204
Rifle, Colorado 81650
Office Phone: (970) 625-2497 Ext. 1
Cell Phone: (970) 456-5262
Fax: (970) 625-5682
E-mail: David.Andrews@state.co.us
Website: <http://www.colorado.gov/cogcc>

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2 attachments

 **Gnat Hill 1-29 COGCC WBD.xlsx**
16K

 **Statewide UNPLANNED Sidetrack Approval Reporting_09-20-2012.pdf**
162K

#REF!

Proposed Schematic

#REF!

Field: ---

County: Routt

Township: Sec: 29, Twp:6N, Rng: 89W

Rig: Savanna 650

Permit API: 05-107-06243

AFE / Network #:0

Shell Working Interest:100%

AFE Drilling Cost: \$3,784,944.00

Plan Days:26

LAT: 40.264466

LONG: -107.233302

Ground Elevation:6654 ft (surveyed)

RKB to Ground:14.3 ft

RKB Elevation:6668.3 ft

Conductor and Surface

30" Hole drilled to90

20" pipe (0.25") set @90

Cement to surface

13-1/2" Hole drilled to1000

23 joints 10-3/4" 40.5# J-55 STC @1000

17 bbls Cement to surface

Intermediate

15.8 PPG Class G Cement Plug 1,367'-2,500' MD

Kicked off Cement plug at 1798' MD

9-7/8" Hole drilled to 7,512' MD

Drilled to 1825' MD