

Keith Caplan

From: Diana Burn - DNR <diana.burn@state.co.us>
Sent: Thursday, February 27, 2014 4:50 PM
To: Timothy Jayne
Cc: Gary Johnson; Keith Caplan; Barbara Westerdale - DNR; Mike.Hickey@state.co.us; Jane Stanczyk - DNR
Subject: RE: API NUMBER: 05-123-38707-00 ANTELOPE T44-P41-18HC Sidetrack

Please proceed as proposed.

Thanks,
Diana

From: Timothy Jayne [mailto:TJayne@bonanzacrk.com]
Sent: Thursday, February 27, 2014 4:27 PM
To: 'Diana Burn - DNR'
Cc: Gary Johnson; Keith Caplan
Subject: API NUMBER: 05-123-38707-00 ANTELOPE T44-P41-18HC Sidetrack

I called COGCC at 2:45 PM and received verbal approval to side track API NUMBER: 05-123- 38707 -00 ANTELOPE T44-P41-18HC the well due to being out of formation. See below responses to questions needed to be answered.

Explanation of the situation that has resulted in the need to sidetrack

Drilled out the shoe and had an problem with the MWD. MWD was reading as if it was orientated for the BHA to drill upward but kept going down. Ended up drilling out of the zone. Pulled out of hole and changed out BHA. Fought the formation trying to come out of the Carlyle. Once it came up the Codell was overshot and we ended up being in the Ft. Hayes formation. Due to the fact that the well was now going to be out of zone for over half the well is was decided to sidetrack an re-attempt to drill and remain in the codell.

Total measured depth reached in the wellbore being plugged back
8207 ft.

Casing set – size(s) and measured depth(s)
9-5/8" 36# J-55 ST&C set at 471 ft. 7" 26# P-110 LT&C set at 6966 ft.

Description of fish in the hole (if any) – including top and bottom measured depths
None

Description of proposed plugs: setting measured depths, heights, and cement volumes
A 17.5 lb/gal Cement plug will be set from 7" casing shoe at 6966 ft. to approx. 7700 ft. for a total cement volume of approx. 29.4 bbls.

Type of cement to be used for all plugs, including slurry weight (ppg) and yield (cf/sk)

KOP Slurry (175 sacks, 94 lb per sack of Blend)			
System	Conventional		
Density	17.50 lb/gal		
Yield	0.95 ft ³ /sk		
Mix Water	3.516 gal/sk		
Mix Fluid	3.516 gal/sk		
Total Volume	29.4 bbl		
Additives	Code	Description	Concentration
	G	Cement	94.02 lb/sk WBWOB
	D065	Dispersant	0.350 % BWOB
	D198	Retarder	0.250 % BWOB

Measured depth of proposed sidetrack kick-off point
7000 ft. (point of no return is 7400 ft.)

Proposed objective formation(s) for sidetrack hole – new or same as the wellbore being abandoned
Same as being abandoned, Codell

BHL target for sidetrack hole – new or same as the wellbore being abandoned (NOTE: a change in the BHL must be reviewed and approved by COGCC Permitting prior to completing the sidetrack. Drilling a sidetrack to an unapproved BHL could result in an NOAV, plugging the well, or both).

Same as previous plan. 470 ft. FNL and 992 ft. FEL in the NE 1/4, NE 1/4 of Section 18, T5N, R62W, SPM; Latitude: 40.40534°N Longitude: -104.36002°W

Best Regards,

Timothy Jayne

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Thank you.

From: Diana Burn - DNR [<mailto:diana.burn@state.co.us>]

Sent: Thursday, February 27, 2014 2:47 PM

To: Timothy Jayne

Subject: