



02055467

Andrews, David

From: Andrews, David
Sent: Thursday, April 19, 2012 2:04 PM
To: 'Jo-Ellen Hensley'
Cc: Dan Gibson; 'Dave Cesark'; King, Kevin; Krabacher, Jay; Weems, Mark; Stanczyk, Jane; Westerdale, Barbara; Kellerby, Shaun; Longworth, Mike; Neidel, Kris
Subject: MESA ENERGY PARTNERS CBU 29-12 SIDETRACK
Attachments: 103-11908_Coyote Basin 29-12-397 Sidetrack Procedure and Lost Circulation Notice.pdf; Statewide UNPLANNED Sidetrack Approval Reporting_03-16-2012.pdf

RE: API No. 103-11908, Verbal Approval to Sidetrack

Jo-Ellen,

This well has federal minerals, so pending any required approval by BLM, Mesa Energy Partners, LLC has COGCC's verbal approval to sidetrack the Coyote Basin 29-12-397 well, as described on the attached file. Please coordinate submittal of documents shown on the attached guidance with Barbara Westerdale (COGCC Permit Tech).

Thanks,

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Engineering Supervisor - Western Colorado

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Cement : (500.00 ft fill)
 $500.00 \text{ ft} * 0.3382 \text{ ft}^3/\text{ft} * 15 \% = 194.49 \text{ ft}^3$
Plug Cement = 194.49 ft³
= 34.64 bbl

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

PLUGCEM (TM) SYSTEM with CFR-3 (Dispersant), HR-5 (Retarder)

Fluid Weight:	17 lbm/gal
Slurry Yield:	0.99 ft ³ /sk
Total Mixing Fluid:	3.75 Gal/sk
Calculated Fill:	500 ft
Volume:	34.64 bbl
Calculated Sacks:	196 sks
Proposed Sacks:	200 sks

vii. Measured depth of proposed sidetrack kick-off point

5100' +/-

viii. Proposed objective formation(s) for sidetrack hole – new or same as the wellbore being abandoned

Same as original wellbore: Morrison

ix. 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 BHL as original wellbore: Lat 40.19992, Long -108.30868



b. Provide all of the following information by email to the appropriate COGCC Engineer shown above in Step 1.a. i. Explain the situation that has resulted in the need to sidetrack

On April 7, 2012 a complete loss of returns occurred while drilling at a measured depth of 5785'. After attempting with only partial success to regain circulation and control losses using a variety of LCM's, the decision was made to set a cement plug across the suspected loss zone.

In preparation for setting the cement plug 5019' drill pipe and 726' of heavy weight drill pipe was run in the hole open-ended to a depth of 5785'. All of the planned 30 Bbl plug had been pumped. 50 Bbl of displacing fluid had been pump. Approximately 21 minutes into pumping the 30 Bbl of PlugCem™ cement plug a pressure surge to 2200 psi was encountered. Pumping ceased, and orders were given immediately to pull the pipe. The pipe was moved up approximately 20' then became immovable. Numerous subsequent attempts were made to free the drill pipe without success.

Top of cement was tagged at a depth of 3528' inside the drill pipe. The cement was drilled out inside the pipe using a work string to a hole depth of 5234'. The heavy weight drill pipe was then free-pointed and backed off at a depth of 5200' and removed from the hole. Subsequent attempts to free the heavy weight drill pipe from the well bore proved unsuccessful.

ii. Total measured depth reached in the wellbore being plugged back

5785' MD.

iii. Casing set – size(s) and measured depth(s)

10.75" Surface Casing	0 – 1000 ft (MD)
Outer Diameter	10.75 in
Inner Diameter	7.921 in
Linear Weight	40.5 lbm/ft
Casing Grade	J-55
Connections:	STC

8.625" Intermediate Casing	
Depths:	0 - 4779 ft (MD)
Outer Diameter	8.625 in
Inner Diameter	7.921 in
Linear Weight	32 lbm/ft
Casing Grade	HCK-55
Connections:	LTC

iv. Description of fish in the hole (if any) – including top and bottom measured depths

Heavy Weight Drill Pipe	5200 – 5765' ft (MD) open-ended
Outer Diameter	4.500 in
Inner Diameter	2.25 in
Linear Weight	42.5 lbm/ft

v. Measured setting depths of proposed plugs, heights, and cement volumes

500' plug from 4700' to 5200' MD, with 15% excess.



