



Andrews, David

From: Andrews, David
Sent: Thursday, February 09, 2012 3:56 PM
To: 'David Segobia'
Cc: Westerdale, Barbara
Subject: RE: Moffat 22-11-1 request to sidetrack using CIBP

David,

Consider this email my verbal approval of your change of sidetrack plans. Barbara will use the attachments from your email below to amend the existing Form 2 (Application for Permit to Drill a Sidetrack) and the associated Form 4 (Sundry Notice).

Thanks,

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

State of Colorado
Oil and Gas Conservation Commission
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Rifle, Colorado 81650
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Website: <http://www.colorado.gov/cogcc>

CC: COGCC Well File, API No. 081-07669

From: David Segobia [<mailto:dsegobia@gulfportenergy.com>]
Sent: Wednesday, February 08, 2012 3:41 PM
To: Andrews, David
Cc: Westerdale, Barbara
Subject: Moffat 22-11-1 request to sidetrack using CIBP

David,
Per the requirements set forth in the Unplanned Sidetrack While Drilling: Approval and Reporting Process, Gulfport Energy herein provides the information as follows:

Gulfport Energy, hereinafter (GPOR) attempted to complete the Moffat 22-11-1 to a pre-approved depth of 8350' in the Niobrara formation. However, the hole continually collapsed despite the best efforts to complete the well. GPOR initially requested, and was approved, to set a cement plug from 6610' to 6310' and to sidetrack the hole below the intermediate casing. Upon further geologic review it was determined that because of the water sensitivity on the formation that we do not want to use a cement plug due to release of water when the cement sets up. A CIBP will be used to isolate the bottom hole. GPOR therefore proposes to set the CIBP at a depth of 6134'. The sidetrack operation will use a whipstock, cutting a window at 6119' to 6134', and drilling a directional hole to a planned TD of 7891' MD / 7870' TVD, then running a 4.5" slotted liner to complete the well in the same Niobrara formation.

David Segobia
Sr. Reservoir Engineering Technician, CPT
Gulfport Energy Corporation
14313 N May
Oklahoma City, OK 73134
405-242-4977
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Gulfport Energy Corporation Downhole Schematic

PROPOSED
WELLBORE

WELL NAME: MOFFAT 22-11-1 ST1	FIELD: Craig (13500)	API: 05-081-07669
SURFACE LOCATION: 1891' FNL & 1699' FWL (SENW) Sec 11 - T6N - R91W Moffat County, CO		
ELEVATIONS: KB - CHF 14.6' KB 6256.0' DF 6255.0' GL 6241.0'	LAT: 40.494343 LONG: -107.575764	
B. Osborn 11/05/2011	SPUD DATE: 09/30/2011	

CASING and TUBING INFORMATION					
SIZE	WEIGHT	GRADE	THREAD	DEPTH	HOLE
9 ⁵ / ₈ "	36#	J-55	ST&C	0' - 885'	12 ¹ / ₄ "
7"	23#	J-55	LT&C	0' - 6310'	8 ³ / ₄ "
4 ¹ / ₂ "	9.5#	J-55	LT&C	6050' - 7870'	6 ¹ / ₈ "

16" Drive pipe @ 65'
9⁵/₈" csg @ 885' kb. Cmt'd w/ 209 sxs prem lite & 100 sxs Type 3.

TOC @ 1680' (CBL)

4¹/₂" Liner Top @ 6050'

Window @ 6119' - 6134'

CIBP
6134'

7" csg @ 6310'.
Cmt'd w/ 302 sxs prem lite
& 150 sxs class G

TD @ 7870' MD

4¹/₂" Liner @ 7870'



RECOMMENDED SIDETRACK DRILLING PROGRAM

Moffat 22-11-1 ST1
 1891' FNL & 1699' FWL
 SENW Sec 11 – T6N – R91W
 Graig Field (13500) Moffat, County
 API #: 05-081-07669 01

Existing SHL:	Grid X = 1,423,032 Lat.: 40.494343 N	Grid Y = 429,682 Long.: 107.575264 W	NAD 1927 NAD 83 (1992)																				
Proposed BHL:	Grid X = 1,423,035 Lat.: TBD N	Grid Y = 429,732 Long.: TBD W	NAD 1927 NAD 83 (1992)																				
Proposed TD:	7891' MD / 7870' TVD																						
Directional Plan:	See Great White Existing & Proposed Directional																						
Elevations:	6243.5 ft																						
Correlation Well(s):	Ellgen 11-10-1																						
Geological Tops:	<table border="0"> <tr> <td>Lewis</td> <td>Surface</td> </tr> <tr> <td>Isles</td> <td>1850'</td> </tr> <tr> <td>Mancos</td> <td>3116'</td> </tr> <tr> <td>Niobrara</td> <td>6540'</td> </tr> <tr> <td>Lwr Niobrara Mkr</td> <td>7391'</td> </tr> <tr> <td>Frontier SS</td> <td>8115'</td> </tr> </table>			Lewis	Surface	Isles	1850'	Mancos	3116'	Niobrara	6540'	Lwr Niobrara Mkr	7391'	Frontier SS	8115'								
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Gulfport Contacts:	<table border="0"> <tr> <td>Gary Kissell</td> <td>Company Man</td> <td>Mobile</td> <td>970-380-3613</td> </tr> <tr> <td>Brian Osborn</td> <td>Operations Manager</td> <td>Office Mobile</td> <td>337-237-7696 405-919-8299</td> </tr> <tr> <td>Jeff Schneider</td> <td>Schneider Energy</td> <td>Mobile</td> <td>970-381-9588</td> </tr> <tr> <td>Steve Bridges</td> <td>Geologist</td> <td>Office Mobile</td> <td>405-848-8807 405-204-0415</td> </tr> <tr> <td>DHS Energy</td> <td>Drilling Superintendent</td> <td>Mobile</td> <td>307-760-4178</td> </tr> </table>			Gary Kissell	Company Man	Mobile	970-380-3613	Brian Osborn	Operations Manager	Office Mobile	337-237-7696 405-919-8299	Jeff Schneider	Schneider Energy	Mobile	970-381-9588	Steve Bridges	Geologist	Office Mobile	405-848-8807 405-204-0415	DHS Energy	Drilling Superintendent	Mobile	307-760-4178
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Regulatory:	All operations must comply with Colorado Oil & Gas Conservation Commission (COGCC). The Northwest Colorado notification policy is in effect for this operation. Kris Neidel (Kris.Neidel@state.co.us) is the field inspector for this area.
Move in / rig up:	Assure all pressures are 0 psi. N/D existing tree. N/U & test BOPs: Nipple up the rig's 11" 3M BOPs. Test the annular to 250 / 2000 psi, and the rams to 250 / 3000 psi. NU rotating head.
<u>BOP test:</u>	All BOP tests must be performed and recorded on a chart. Note the test date and time on all charts. Have the wellsite supervisor, tool pusher, and test hand initial each chart. Keep a copy of each chart on the rig (send the originals to Marlene Landry at the Hackberry Field office). Note and report all BOP tests on the IADC and daily report.
Cleanout Trip:	MU bit/ scraper/ BHA per whipstock vendor. TIH to 6200'. Circulate. POOH to run CIBP.
CIBP for Whipstock:	RU eline. MU 7" 23# CIBP. TIH and set same at 6134', 5' above a collar. (Coorelate with Halliburton CBL dated October 13, 2011.) POOH.
Test 7" casing:	Test the 7" casing to 1500 psi for 30 min.
<u>Casing test:</u>	(1) the pressure cannot decline by more than 10 percent during the 30 min test. Record all casing tests on a chart. Note the test date and time on all charts. Have the wellsite supervisor, tool pusher, and test hand initial each chart. Complete the Affidavit of Test of Casing form (all signatures must be hand-written). Keep a copy of each chart and the form on the rig (send originals to Marlene Landry at the Hackberry office). Note and report all casing tests on the IADC and daily report.
Displacement:	MU bit/ BHA per whipstock vendor. TIH to 6134', CIBP. Tag CIBP. Apply weight on CIBP per whipstock vendor. Displace existing AmoDrill mud with Crude Oil per displacement procedure. POOH to run whipstock.
Whipstock:	PU whipstock and assembly. TIH. Orient whip per wireline gyro and set same. Cut and polish window per whipstock recommendation. Work thru window as required to get smooth. POOH to PU stiff assembly.
2 nd Trip:	MU bit/ stiff BHA per whipstock vendor to clean whipstock up and elongate window. TIH and mill window smooth and drill to BHA is through the window and directional MWD is far enough from the casing to work without the read out of the wireline gyro. CCM and POOH for directional assembly.
6½" bit program:	Bit #3: Smith Mi513LUSBPX (5-12s)
Mud:	Crude Oil

Wear Bushing: Install a wear bushing in the casing head.

Drill 6 $\frac{1}{8}$ " hole: MU 6 1/8" bit/ directional BHA per Great White and drill a directional hole to a planned TD of 7891' MD / 7870' TVD. **Discuss mud weight schedule and all wiper trips/ bit trips with Brian Osborn.**

Note: **Make sure the ROP/Gas log is emailed to Brian Osborn and Steve Bridges each morning.**

At TD, make a wiper trip (**discuss with Brian Osborn**), condition the mud for running slotted liner. (strap pipe to confirm depth).

Slotted Liner: MU slotted liner per liner company procedure. Slotted liner depths/ make TBD. TIH and set same. Get off of liner and POOH LD drill pipe except 300'.

Retrievable CIBP: TIH & set retrievable bridge plug at 300'. POOH. ND BOPs. Install Dry Hole tree. RD & release rig.