



**Andrews, David**

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**From:** Andrews, David  
**Sent:** Tuesday, January 31, 2012 8:30 AM  
**To:** 'David Segobia'; Westerdale, Barbara  
**Cc:** Krabacher, Jay; Neidel, Kris  
**Subject:** RE: Moffat sidetrack  
**Attachments:** Moffat 22-11-1 ST1 - wellbore 1 .pdf; Moffatt 22-11-1 ST1 Sidetrack Drilling Procedure.pdf

David,

I emailed you a copy of COGCC's *Industry Guidance UNPLANNED Sidetrack Approval & Reporting Rev 09-22-2011.pdf* on 1/21/2012. That guidance requires specific information for the sidetrack in an email. While the body text of your email below does not contain that information, the various attachments that you sent do contain sufficient information for the proposed sidetrack of the Moffat 22-11-1 well (API No. 081-07669). Therefore, please consider this email your verbal approval to proceed with the plug-back of the 00 wellbore and the new casing and cement configuration of the proposed 01 sidetrack wellbore. Approval is contingent upon the following condition, pending COGCC's Permit Tech review of the directional survey and new BHL:

The BHL and wellbore path must remain at a legal location for completion (COGCC permitting staff will evaluate prior to formal approval of the Sundry Notice). If the BHL or the productive portion of the wellbore extend into locations that are not legal, then Gulfport Energy may have to plug back portion(s) of the well that are not legal or obtain waivers from offset mineral interests.

I re-attached two of your attachments to this email for our field inspector's benefit.

Barbara,

The Form 4 is acceptable for approval, based on my engineering review. Please approve the Form 4 after you review the new BHL and directional plans for the 01 sidetrack, and attach the wellbore diagrams and the drilling procedure to the Form 4 for scanning.

Thanks,

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

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**Oil and Gas Conservation Commission**  
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**CC: COGCC Well File, API No. 081-07669**

**From:** David Segobia [<mailto:dsegobia@gulfportenergy.com>]  
**Sent:** Monday, January 30, 2012 1:10 PM  
**To:** Westerdale, Barbara; Andrews, David  
**Subject:** Moffat sidetrack

Barbara and David,  
I've attached the following for your approval to sidetrack the Moffat 22-11-1:  
Forms 2 and 4  
Wellbore schematics for plugging and sidetracking

Sidetrack drilling program  
Bottomhole schematic and offset coordinates

Thanks for your help,  
Dave

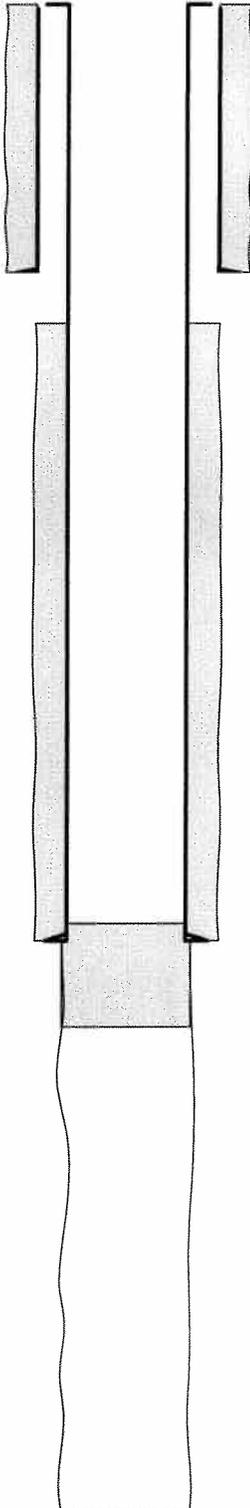
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# Gulfport Energy Corporation Downhole Schematic

**PROPOSED  
WELLBORE**

WELL NAME: MOFFAT 22-11-1	FIELD: Craig (13500)	API: 05-081-07669
SURFACE LOCATION: 1891' FNL & 1699' FWL (SEW) 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"
					6 1/8"

16" Drive pipe @ 65'  
 9 5/8" csg @ 885' kb. Cmt'd w/ 209 sxs prem lite & 100 sxs Type 3.

TOC @ 1680' (CBL)

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

250 sxs Class G cmt plug @ 6310' - 6610

FORMATION	TOP NAME	MD	SS TVD
ILES	ILES	1972	4265
	BASAL ILES SANDSTONE	3163	3064
MANCOS	MANCOS	3268	2969
	RIM ROCK	3409	2849
	MANCOS BENTONITE MKR	4021	2237
	MORAPUS SS	4131	2127
	M KM LOW RES	4284	1974
	LOWER MANCOS MKR	5064	1195
	BASAL MANCOS MKR	6195	65
NIOBRARA	NIOBRARA	6448	-189
	NIOBRARA HOT SHALE	6474	-214
	BASE BUCK PEAK	6518	-258
	TOW CREEK	6811	-551
	BASE TOW CREEK	6801	-641
	WOLF MTN	7082	-832
	BASE WOLF MTN	7222	-982
	LOWER NIOBRARA MARKER	7326	-1085
	RANGELY BENCH	7481	-1220
BASAL NIOBRARA MARKER	7561	-1300	
CARLILE SH	CARLILE SH	7771	-1510
	TD	7879	-1617

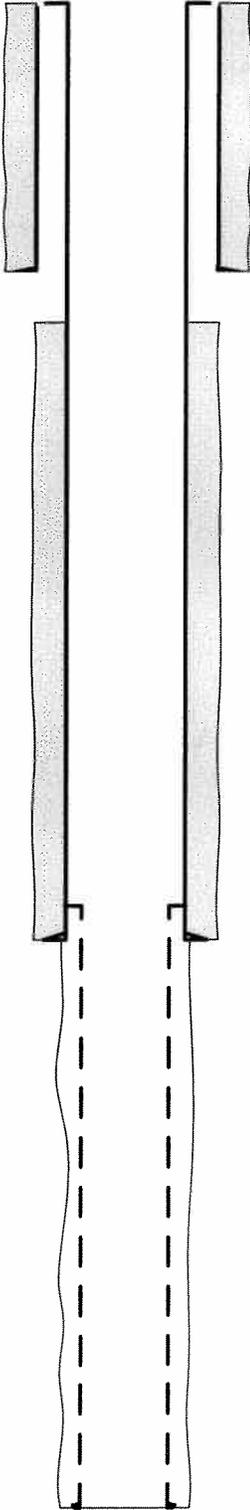
TD @ 7870' MD (7864' TVD)



# 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	6210' - 7870'	6 1/8"

16" Drive pipe @ 65'  
9 5/8" csg @ 885' kb. Cmt'd w/ 209 sxs prem lite & 100 sxs Type 3.

TOC @ 1680' (CBL)

4 1/2" Slotted Liner Top @ 6210'  
7" csg @ 6310'. Cmt'd w/ 302 sxs prem lite & 150 sxs class G

4 1/2" Slotted Liner @ 7870'  
TD @ 7870' MD

**RECOMMENDED SIDETRACK DRILLING PROGRAM**



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

Proposed 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 = 1,423,032 Lat.: 40.494343 N	Grid Y = 429,682 Long.: 107.575264 W	NAD 1927 NAD 83 (1992)
Proposed TD:	7870' MD		
Directional Plan:	Vertical		
Elevations:	6243.5 ft		
Correlation Well(s):	Ellgen 11-10-1		
Geological Tops:	Lewis Isles Mancos Niobrara Lwr Niobrara Mkr Frontier SS	Surface 1850' 3116' 6540' 7391' 8115'	
Gulfport Contacts:	Gary Kissell Brian Osborn Jeff Schneider Steve Bridges DHS Energy	Company Man Operations Manager Schneider Energy Geologist Drilling Superintendent	Mobile 970-380-3613 Office 337-237-7696 Mobile 405-919-8299 Mobile 970-381-9588 Office 405-848-8807 Mobile 405-204-0415 Mobile 307-760-4178

**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](mailto:Kris.Neidel@state.co.us)) is the field inspector for this area.

**Move in / rig up:** Move in and rig up DHS Energy Rig 20. Rig up the closed-loop system. Have the mud logging unit and the rig instrumentation equipment set up to record and transmit ROP-Gas data.

**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.

**BOP test:** **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.**

**Pick up 3 ½ Drill pipe go in hole open ended to 6610' circ hole volume**

**Set a 250 sxs Class G plug @ 6610' – 6310'.**

**Plug Slurry**

**Class G Cement w/Additives**

**Density 17.5 ppg**

**Yield 0.94 cf/sack**

**TOOH 10 Stands circ bottoms up**

**TOOH WOC 12 hours**

**After 12 hours Dress off top of cement & drill cement to 6320'**

**Drill 6⅞" hole:** Drill a 6⅞" directional hole to a planned TD of PBHL @ 7896' MD/7870' TVD **Discuss all wiper trips and bit trips with Brian Osborn.** Keep angle less than 3°. Max weight on bit is 16,000#.

At TD, make a wiper trip (**discuss with Brian Osborn**), condition the and TOOH (strap pipe to confirm depth).

Run 4.5 11.6 J-55 LT&C slotted casing From 6210' to TD LD DP. ND BOPs. Install Dry Hole flange.

Clean Mud tanks release rig