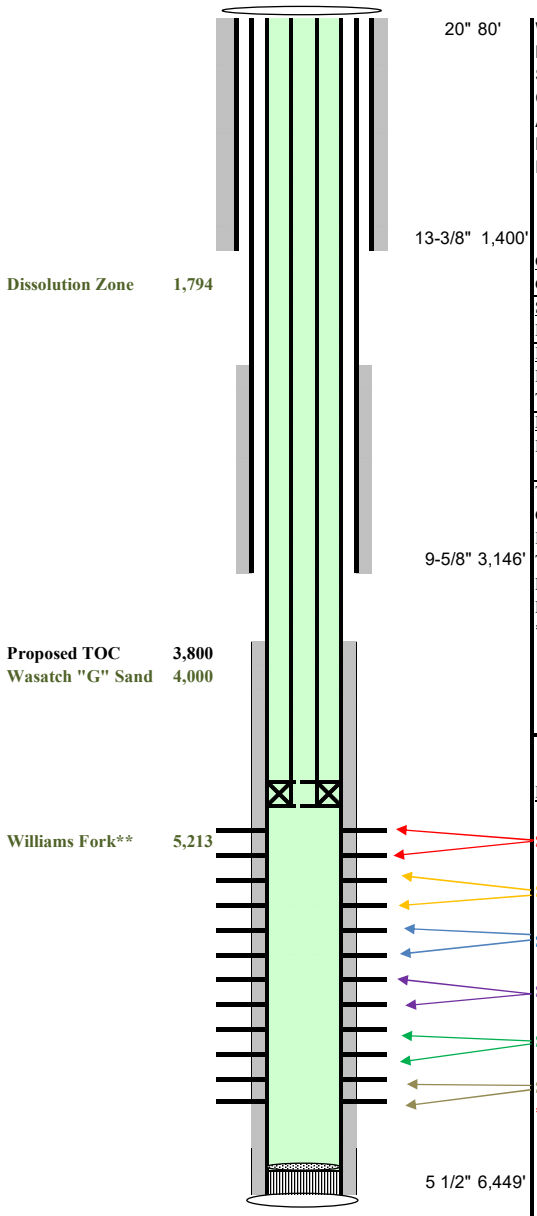
Exploration and Production

Proposed WBD - Williams Fork Injection



Well Name	**RG 912-23-299D**
Location	**NW1/4 SW1/4, SEC. 23, T2S., R99W. of the 6th. P.M.**
State	**Colorado**
County	**Rio Blanco**
API	**TBD**
KB	**30'**
Footages	**2008 FSL, 685 FWL**

Cond Casing	**80'**	**20"**	**78.6# X42 ERW**	
Cement	134sx	15.0 ppg		
Surf Casing	**1,400'**	**13-3/8"**	**54.5# J55 BTC**	
Lead Cement	457 sx	12.3 ppg	2.34 yield	13.43 gal/sk
Intermediate Casing	**3,146'**	**9-5/8"**	**36.0# J55 BTC**	
Lead Cement	72 sx	12.3 ppg	2.4 yield	13.30 gal/sk
Tail Cement	82 sx	12.8 ppg	2.1 yield	11.30 gal/sk
Prod Casing	**6,449'**	**5 1/2"**	**17# N-80 BTC**	
Lead Cement	402 sx	13.5 ppg	1.83 yield	9.11 gal/sk

Tubing	4,998'	2-7/8" OD	6.5# N-80 EUE
On/Off Tool	4,999'	2.31" Drift	6.5# N-80 EUE
Packer**	**5,000'**	5-1/2" x 2-7/8"	4 1/2" Drift
Tubing Pup Joint	5,006'	2.347" Drift	6.5# N-80 EUE
Profile Nipple	5,007'	2-7/8" OD	6.5# N-80 EUE
Re-entry Guide	5,009'	2.347" Drift	6.5# N-80 EUE

**The set depth of the packer is subject to change post well construction.

Injection Intervals	Estimated Top Perf	Estimated Bottom Perf	Shots	PHZ	Diameter
Stage 6	5,213'	5,399'	24	120 deg	0.35"
Stage 5	5,400'	5,585'	24	120 deg	0.35"
Stage 4	5,586'	5,772'	24	120 deg	0.35"
Stage 3	5,773'	5,958'	24	120 deg	0.35"
Stage 2	5,959'	6,145'	24	120 deg	0.35"
Stage 1	6,146'	6,332'	24	120 deg	0.35"

**Completed intervals are subject to change when OH logs are obtained during drilling operations.