

# Morales 34-6-6U #1

Proposed WBD

\*\*\*DRAWING NOT TO SCALE\*\*\*

State: Colorado  
County: La Plata  
API: 05-067-TBD  
GL: 6952'  
KB: 6968' (est)

12 1/4" Surface Hole TD @ 435' MD  
9 5/8" 36# J-55 STC Casing size @ 425' MD  
Cement to Surface

Estimated Fm. Tops (from OH Logs)

	MD	TVD
Animas	1110.3	1100
Kirtland Sh.	1563.5	1510
Farmington SS.	1938.3	1835
L. Kirtland Shale	2220.8	2080
Fruitland Fm.	2357.9	2200
Morales Coal 1	3184	2824
Morales Coal 2	3204.9	2842
Morales Coal 3	3242.2	2876
Pictured Cliffs	3391	3013

BP for isolation after drilling

KOP Lateral #1: 2367 MD/ 2208.7' TVD

Lateral 1

Lateral 1 ST 1

KOP Lateral #1 S/T#1: 2625' MD/ 2361.25' TVD

8 3/4" Hole size TD @ 2814' MD  
7" 26# J-55 LTC 2804' MD  
Top Cement at 0'

All Laterals  
6 1/8" Hole  
2 7/8" Pre Perforated Liner  
6.5# J-55 EUE

				Total Depth							
Well/Lateral Name	Planned Drill Order	KOP (MD)	KOP (TVD)	TD (MD)	TD (TVD)	Liner Bottom	Liner Top	Proposed API Extension	COGCC E-Form Doc #	Proposed BHL	Notes
Pilot Hole		500	500	2804.2	2607.0	N/A	N/A		400795546	220' FNL & 1950' FEL	
Lateral #1	1	2367.0	2208.7	7300.6	2674.0	7295.6	2725	0100	400866256	660' FSL & 1954' FEL	
Lateral #1 St #1	2	2625.0	2361.3	7286.2	2738.0	7281.2	2375.0	0200	400866318	660' FSL & 1954' FEL	Lateral #1 ST#1 is an open hole sidetrack off of Lateral #1