

NM STATE DRILLING PERMITTING

4-string contingency

Mis Amigos 108H

KB 3677		Deepest TVD	12570	KOP		11978	End of Curve	12924	Measured depth		17826	
Casing Type	Fluid Type	Mud Weight	Hole Size	Casing Size	Casing Grade	Casing Weight	Top MD	Setting Depth	Lead Cement	Tail Cement	Total Sks Cement	TOC
Surface	FW/Native	8.5 - 10.0	17.5	13.375	J-55 LTC	54.5	0	1252	796	237	1033	0
1st Intermediate	Brine	9.0-10.3	12.25	9.625	J-55 LTC	40	0	5046	1300	120	1421	0
2nd Intermediate (Contingency*)	FW/Native/OBM	9.0-10.3	8.75	7	P110 BTC	26	0	12924	1463	53	1516	0
Production	FW/Cut Brine	9.5-10.5	6	4.5	P110 BTC	13.5	11978	17826	0	698	698	12424
	OBM	10	6									

Max Expected Surface Pressure

3771

BOP

Cameron 5M Double Ram BOP
Test Pressure 5000

Total Vertical Section

4902

Contingencies

1. Requesting Exception to not get cmt to surface if 7" production string is set. Cement will be brought 500' in Intermediate Shoe if not circulated to surface
2. Should losses be seen from 9-5/8" shoe to landing point, 4-string contingency may be utilized
3. 7" csg may be set between KOP and Landing Point
4. DV Tool may be set in 9-5/8" intermediate fr/ 1300' - 5000'
5. 4.5" liner will be brought kick-off point or 300' above end of 7" (Whichever is higher)
6. OBM may be used 8-3/4" hole section
7. XTO requests variance to have the option to batch drill this well. XTO will set 9-5/8" csg, ensure cement is circulated to surface and well is dead. With floats holding, and no flow on annulus, a TA cap will be installed as per GE recommendations. XTO will contact the state before skidding to the other well. Once all surface and intermediate are completed on the pad, XTO will begin drilling the production hole of each well.
7. 8.5" lateral may be drilled if no issues in 8.75" hole

OCD – HOBBS
10/15/2018
RECEIVED