

30-015-34509

North Hess Federal "27" No. 1

Log Tops
Capitan Lime 950

Yesso 2250 13.375", 48#/ft., H-40, set at 345.90' KB, cement circulated.
 Bone Springs Lime 2910
 Wolfcamp 7140 8.625", 32#/ft., J-55 casing set at 2635.86' KB, cement circulated.
 Cisco Canyon 7639
 Strawn 8627
 Atoka 9080 4.50", 11.60#/FT, N-80, LT&C casing set at 10,400' KB
 Morrow 9563 Cemented with total of 2325 sacks cement. DV tool at 6495.69' K.B.
 Reported cement to surface

Plugs that need to be set

Existing Perforations	Perforate and squeeze	60' - surface	30 sacks	
7154' to 7171' (Wolfcamp)	13-3/4" casing set at 345.90'	296' - 396'	45 sacks	Tag
	8-5/8" casing set at 2635.86'	2586' - 2686'	30 sacks	Tag
	Bonesprings at 2910	2810' - 2910'	30 sacks	Tag
8334' to 8349' (Cisco)	DV tool at 6495.69' (plug 50' above and 50' below)	6446' - 6546'	30 sacks	
	Perforations :	7140' - 7171'	30 sacks	Tag
	7154' to 7171' (Wolfcamp)			
8628' to 8710' (Strawn)	8334' to 8349' (Cisco)	8334' - 8710'	30 sacks	
	8628' to 8710' (Strawn)			
	9795' to 10,232' (Morrow)		9785' CIBP w/35' on top	
9795' to 10,232' (Morrow)	****Last reported anhydrite at 2260'			

SEE ATTACHED FOR
CONDITIONS OF APPROVAL