

Permit Information:

Well Name: Braswell 16 State No. 703H

Location:

SL: 200' FSL & 1880' FEL, Section 16, T-26-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 1870' FEL, Section 16, T-26-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
14.75"	0 - 875'	10.75"	40.5#	J55	STC	1.125	1.25	1.60
9.875"	0-10,400'	7.625"	29.7#	HCP-110	LTC	1.125	1.25	1.60
6.75"	0'-17,125'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
875'	375	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	200	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
10,400'	225	11.0	2.93	Class C + 5% FWC-2 + 0.2% ASM-6 + 0.2% CDF-4P + 0.35% LTR + 5% SCA-1 + 1% SEA-1
	200	15.6	1.19	Class H + 0.7% LTR + 0.3% SCA-6 + 0.2% ASM-3
	2475	9.0	1.72	Foam / Class C + 1% SCA-6 + 0.2% ASM-3 + 0.15% CDF-4P + 0.25 pps LCF-7
	100	14.8	1.35	Class C + 2% CaCl ₂ + 2% SCA-1
17,125'	525	14.2	1.31	50:50:2 Class H + 5.0% Magnesium Oxide + 0.7% FL-52 (TOC @ 9,900')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 875'	Fresh - Gel	8.6-8.8	28-34	N/c
875' - 10,400'	Oil Base	8.7-9.4	58-68	N/c - 6
10,400' - 11,787'	Oil Base	8.7-9.4	58-68	N/c - 6
11,787' - 17,125' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6