

Permit Information:

Well Name: Wheatfield 16 State No. 702H

Location:

SL: 230' FNL & 2270' FEL, Section 16, T-25-S, R-35-E, Lea Co., N.M.

BHL: 230' FSL & 1651' FEL, Section 16, T-25-S, R-35-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 800'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000' - 5,200'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0'-17,213'	5.5"	17#	HCP-110	BTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
800	400	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)
	300	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,200'	1000	12.7	2.22	Lead: Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ surface)
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
17,213'	775	9.0	2.79	Lead: LiteCRETE + 0.10% D-065 + 0.20% D-046 + 0.40% D-167 + 0.20% D-198 + 0.04% D-208 + 2.0% D-174 (TOC @ 4,700')
	2100	14.4	1.28	Tail: Class H + 47.01 pps D-909 + 37.01 pps + 5.0% D-020 + 0.30% D-013 + 0.20% D-046 + 0.10% D-065 + 0.50% D-167 + 2.0% D-174

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 800'	Fresh - Gel	8.6-8.8	28-34	N/c
800' - 5,200'	Oil Base	8.7-9.4	58-68	N/c - 6
5,200' - 11,879'	Oil Base	8.7-9.4	58-68	N/c - 6
11,879' - 17,213' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

SEP 16 2015'