

Permit Information:

Well Name: Dillon 31 No. 702H

Location:

SL: 230' FSL & 1200' FEL, Section 31, T-24-S, R-34-E, Lea Co., N.M.

BHL: 230' FNL & 1510' FEL, Section 31, T-24-S, R-34-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 - 1,185'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-11,000'	9.625"	40#	HCP-110	LTC	1.125	1.25	1.60
8.75"	0'-17,259'	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
1,185'	500	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
11,000'	1200	9.7	2.28	Lead: LiteCrete + 0.2% D-167 + 0.2% D-046 + 0.4% D-065 + 0.2% D-201 (TOC @ Surface)
	500	11.9	2.36	Middle: Class 'H' + 0.2% FL-52 + 0.75% CD-32 + 1.0% EC-1 + 0.15% ASA-301 + 1.60% SMS + 5.0% Salt + 0.35% R-21 + 5.0 pps LCM-1 + 0.005 pps Static Free + 0.25 pps Celloflake + 0.005 gps FP-6L
	375	15.6	1.19	Tail: Class 'H' + 0.10% FL-52 + 0.60% CD-32 + 0.50% SMS + 2.0% Salt + 0.20% R-3 + 0.005 pps Static Free + 0.005 gps FP-6L
17,259'	1475	14.2	1.30	50:50:2 Class H + 0.65% FL-52 + 0.70% CD-32 + 1.0% EC-1 + 0.40% SMS + 2.0% Salt + 0.05% R-3 + 0.005 pps Static Free + 0.005 gps FP-6L

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,185'	Fresh - Gel	8.6-8.8	28-34	N/c
1,185' - 11,000'	Oil Base	8.7-9.4	58-68	N/c - 6
11,000' - 11,914'	Oil Base	8.7-9.4	58-68	N/c - 6
11,914' - 17,259' Lateral	Oil Base	10.0-10.5	58-68	N/c - 6

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