

Permit Information:

Well Name: Mamba 30 State #1

Location:

SL: 2572' FSL & 990' FEL, Section 30, T-24-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
17.5"	0 - 1,200'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0' - 5,100'	9.625"	40#	J55	LTC	1.125	1.25	1.60
8.75"	0' - 14,000'	5.5"	20#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1,200'	600	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
5,100'	1000	12.7	2.37	Class C + 10% Salt + 6% Gel + 3% MagOx + 0.25 pps Celloflake + 0.15% CPT20A (TOC @ Surface)
	500	14.8	1.37	Class C + 3% MagOx
14,000'	277	10.8	3.67	Lead: 60:40:0 Class 'C' + 15.00 lb/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.90% R-21 + 8.00 lb/sk LCM-1 + 0.005 lb/sk Static Free (TOC @ 1700')
	127	11.5	2.38	Middle: 50:50:10 Class 'H' + 0.80% FL-52 + 0.45% ASA-301 + 0.40% SMS + 2.00% Salt + 3.00 lb/sx LCM-1 + 0.20% R-21 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
	1069	15.6	1.28	Tail: 50:50:2 Class 'H' + 0.65% FL-52 + 0.20% CD-32 + 0.15% SMS + 2.00% Salt + 0.10% R-3 + 0.005 lb/sk Static Free

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1200'	Fresh - Gel	8.6-8.8	28-34	N/c
1200' - 5100'	Brine	8.8-10.0	28-34	N/c
5100' - 14000'	Cut Brine	9.0-10.0	28-34	N/c

Mamba 30 State #1
Lea County, New Mexico

2572' FSL
990' FEL
Section 30
T-24-S, R-33-E

Proposed Wellbore

API: 30-025-

KB: 3551'
GL: 3526'

