

EOG RESOURCES, INC.
GEM 36 STATE COM #504H

Revised Permit Information 10/2/2019:

Well Name: Gem 36 State Com #504H

Location:

SHL: 250' FNL & 2675' FWL, Section 36, T-25-S, R-32-E, Lea Co., N.M.

BHL: 100' FSL & 2190' FWL, Section 36, T-25-S, R-32-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' - 750'	13.375"	54.5#	J-55	STC	1.125	1.25	1.60
12.25"	0' - 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
12.25"	4000' - 4,670'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0' - 11,164'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60
8.5"	11,164' - 15,812'	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
750'	400	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	160	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
4,670'	480	9.0	3.5	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	320	14.4	1.20	Tail: Class C + 10% NaCl + 3% MagOx
15,812'	630	11.0	3.21	Lead: Class C + 3% CaCl ₂ + 3% Microbond (TOC @ 4,170')
	1,300	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond

Mud Program:

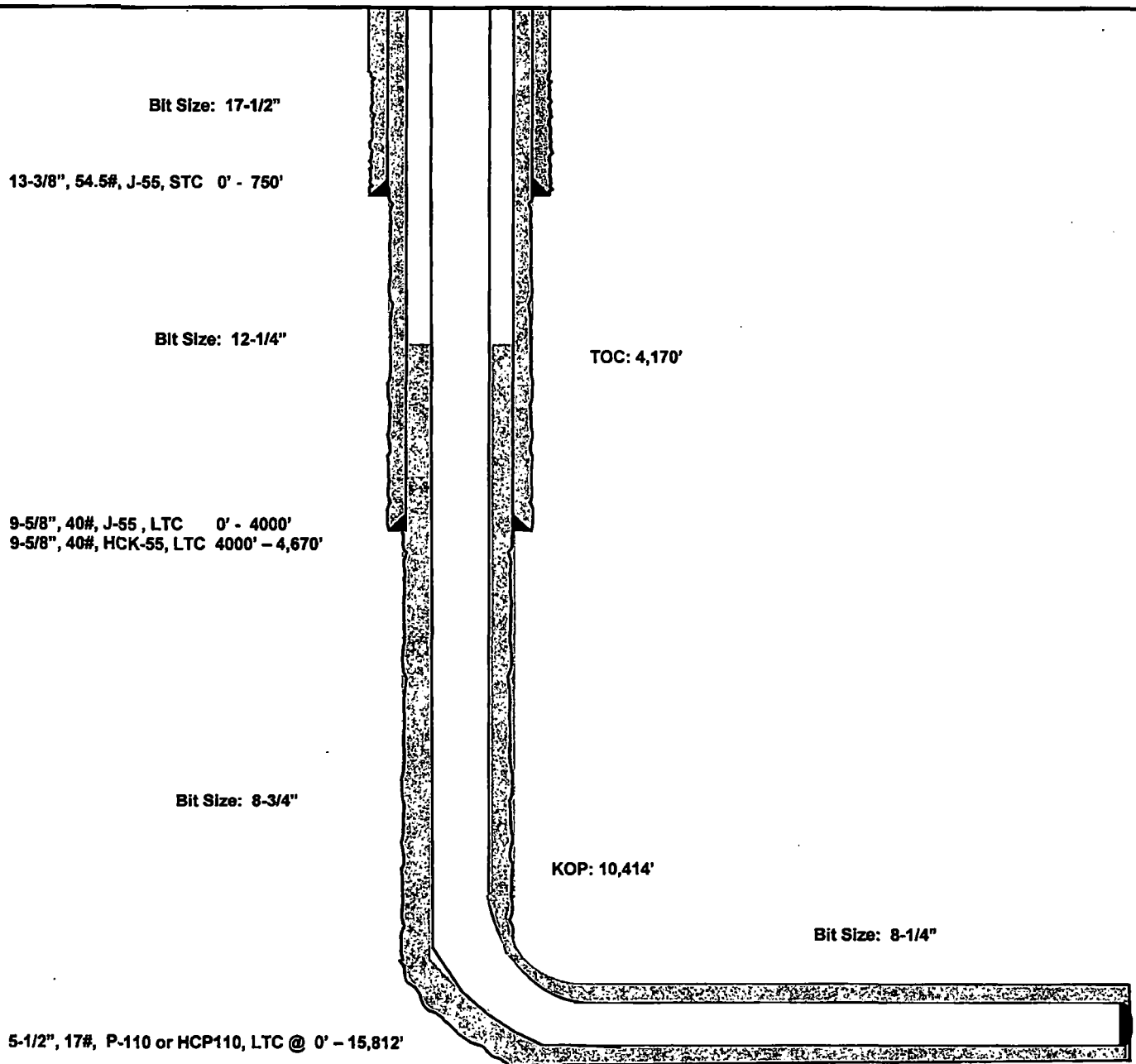
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' - 750'	Fresh - Gel	8.6-8.8	28-34	N/c
750' - 4,670'	Brine	10.0-10.2	28-34	N/c
4,670' - 10,414'	Cut Brine	8.4-9.0	28-34	N/c
10,414' - 15,812' Lateral	Oil Base	9.0-9.5	40-42	8-10

**Gem 36 State Com #504H
Lea County, New Mexico**

**250' FNL
2675' FWL
Section 36
T-25-S, R-32-E**

**Proposed Wellbore
Revised 10/2/2019
API: 30-025-46390**

**KB: 3,435'
GL: 3,410'**



**Lateral: 15,812' MD, 10,870' TVD
BH Location: 100' FSL & 2190' FWL
Section 36
T-25-S, R-32-E**