

Permit Information:

Well Name: Ruby 2 State Com No. 702H

HOBBS OCD

MAR 11 2016

Location:

SL: 167' FSL & 1513' FWL, Section 2, T-26-S, R-34-E, Lea Co., N.M.

BHL: 230' FNL & 1079' FWL, Section 2, T-26-S, R-34-E, Lea Co., N.M.

RECEIVED**Casing Program:**

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
14.75"	0 - 915'	10.75"	40.5#	J55	STC	1.125	1.25	1.60
9.875"	0-10,500'	7.625"	29.7#	HCP-110	LTC	1.125	1.25	1.60
6.75"	0'-17,583'	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
915'	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
10,500'	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
17,583'	525	14.2	1.31	50:50:2 Class H + 5.0% Magnesium Oxide + 0.7% FL-52 (TOC @ 10,000')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 915'	Fresh - Gel	8.6-8.8	28-34	N/c
915' - 10,500'	Oil Base	8.7-9.4	58-68	N/c - 6
10,500' - 12,308'	Oil Base	8.7-9.4	58-68	N/c - 6
12,308' - 17,583' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

MAR 14 2016

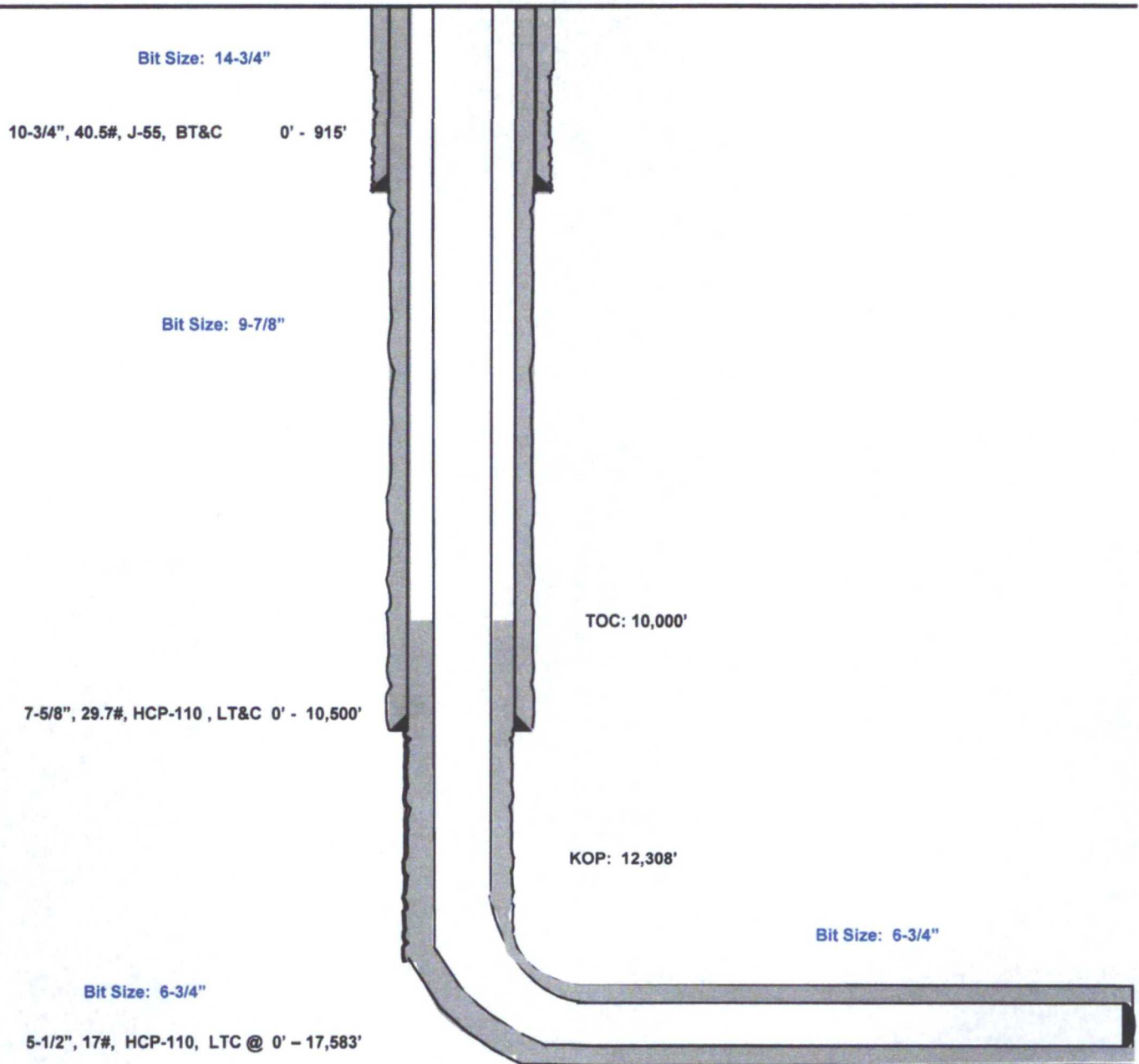
Ruby 2 State Com #702H

Lea County, New Mexico
Proposed Wellbore

167' FSL
1513' FWL
Section 2
T-26-S, R-34-E

API: 30-025-*****

KB: 3,330'
GL: 3,305'



Lateral: 17,583' MD, 12,780' TVD

BH Location: 230' FNL & 1079' FWL
Section 2
T-26-S, R-34-E