

Permit Information:

Well Name: Osprey 10 No. 301H

Location:

SL: 208' FSL & 14' FWL, Section 10, T-25-S, R-34-E, Lea Co., N.M.

BHL: 2404' FSL & 330' FWL, Section 3, T-25-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 - 910'	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'-17,798'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
910'	600	13.5	1.74	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl ₂ (TOC @ Surface)
	300	14.8	1.35	Tail: Class 'C' + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate + 2.0% KCl (1.06 lb/sk)
5,200'	900	12.7	2.22	Lead: Class C + 0.15% C-20 + 11.63 pps Salt + 0.1% C-51 + 0.75% C-41P (TOC @ Surface)
	225	14.8	1.32	Tail: Class C + 0.13% C-20
17,798'	900	14.8	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 4,700')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 910'	Fresh - Gel	8.6-8.8	28-34	N/c
910' - 5,200'	Brine	10.0-10.2	28-34	N/c
5,200' - 17,798' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

HOBBS OCD
MAY 29 2018
RECEIVED

Osprey 10 #301H
Lea County, New Mexico

HOBBS OCD
MAY 29 2018
RECEIVED

208' FSL
14' FWL
Section 10
T-25-S, R-34-E

Proposed Wellbore

API: 30-025-*****

KB: 3,358'
GL: 3,333'

Bit Size: 17-1/2"

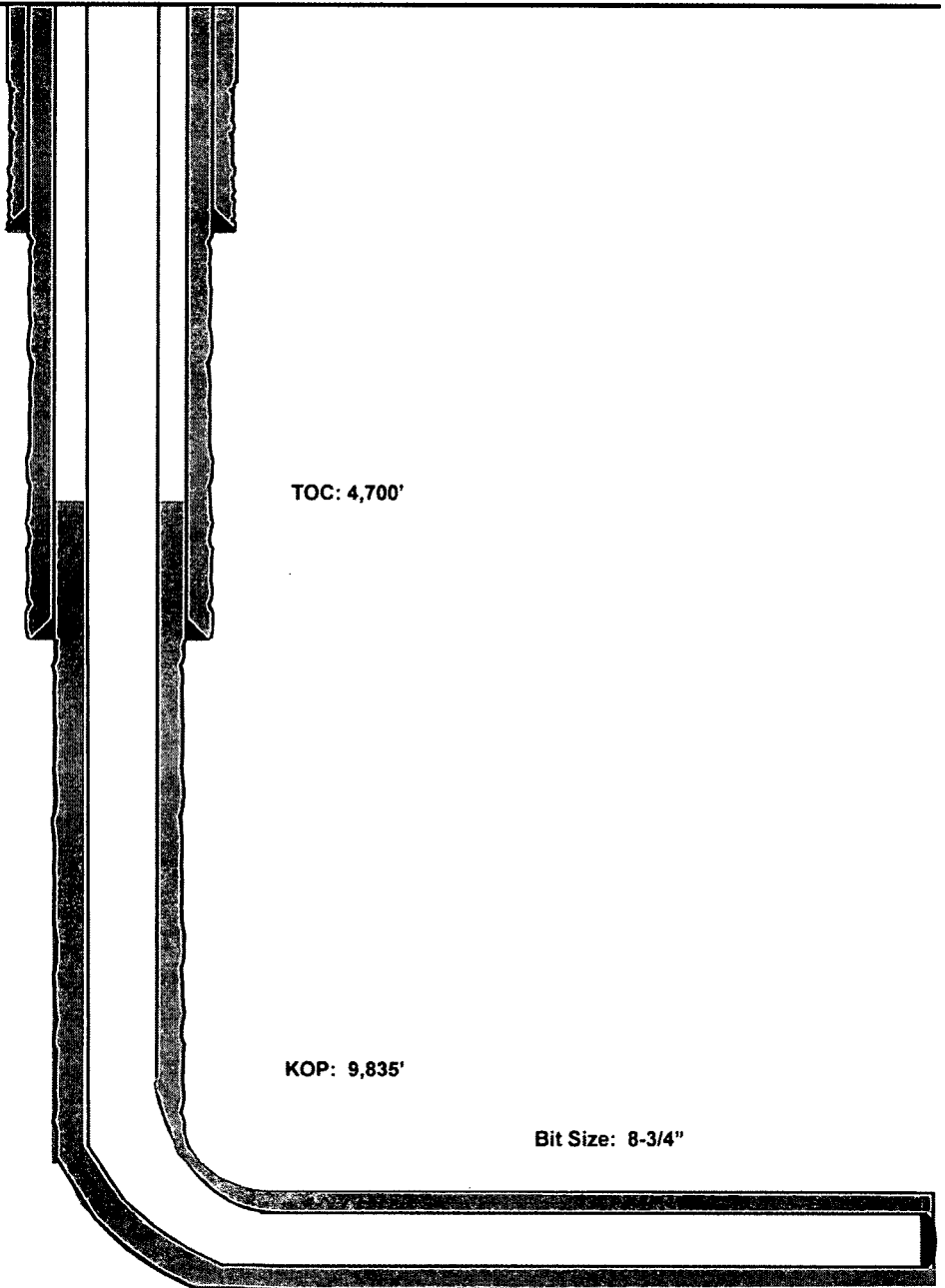
13-3/8", 54.5#, J-55, LTC 0' - 910'

Bit Size: 12-1/4"

9-5/8", 40#, J-55, LT&C 0' - 4,000'
9-5/8", 40#, HCK55, LT&C 4,000' - 5,200'

Bit Size: 8-3/4"

5-1/2", 17#, HCP-110, LTC @ 0' - 17,798'



Lateral: 17,798' MD, 10,321' TVD

BH Location: 2404' FSL & 330' FWL
Section 3
T-25-S, R-34-E