EOG RESOURCES, INC.
PYTHON 36 STATE #745H

Permit Information:

Well Name: Python 36 State #745H

Location:
SHL: 310' FSL & 483' FEL, Section 36, T-24-S, R-32-E, Lea Co., N.M.
BHL: 100' FNL & 715' FEL, Section 36, T-24-S, R-32-E, Lea Co., N.M.

Design A

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF_{min} Collapse	DF_{min} Burst	DF_{min} Tension
12.25"	0 – 1,125'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0' – 11,305'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0'-17,812'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft^3/sk	Slurry Description
1,125'	1,000	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)
	100	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
11,305'	600	14.2	1.11	1st Stage (Tail): Class C + 5% Salt + (TOC @ 7,250')
	1,000	12.7	2.30	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
17,812'	600	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 10,805')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,125'	Fresh - Gel	8.6-8.8	28-34	N/c
1,125' – 11,305'	Brine	8.8-10.0	28-34	N/c
11,305' – 12,410'	Oil Base	10.0-11.5	58-68	3 - 6
12,410' – 17,812' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

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Design B

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF_{min} Collapse	DF_{min} Burst	DF_{min} Tension
17.5"	0 – 1,125'	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"	4,000' – 4,877'	9.625"	40#	HCL-80	LTC	1.125	1.25	1.60
8.75"	0 – 11,305'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0'-17,812'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft^3/sk	Slurry Description
1,125'	700	13.5	1.74	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl2 (TOC @ Surface)
	200	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)
4,877'	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)
	350	14.8	1.32	Tail: Class C + 0.13% C-20
11,305'	275	10.8	3.67	Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ 4,375')
	100	14.8	2.38	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800
17,812'	600	14.8	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 10,805')

As a contingency, EOG requests to pump a two stage cement job on the 7-5/8'' intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (7,282') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of 1,000 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,125'	Fresh - Gel	8.6-8.8	28-34	N/c
1,125' – 4,877'	Brine	10.0-10.2	28-34	N/c
4,877'– 11,305'	Oil Base	8.7-9.4	58-68	N/c - 6
11,305'– 17,812' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

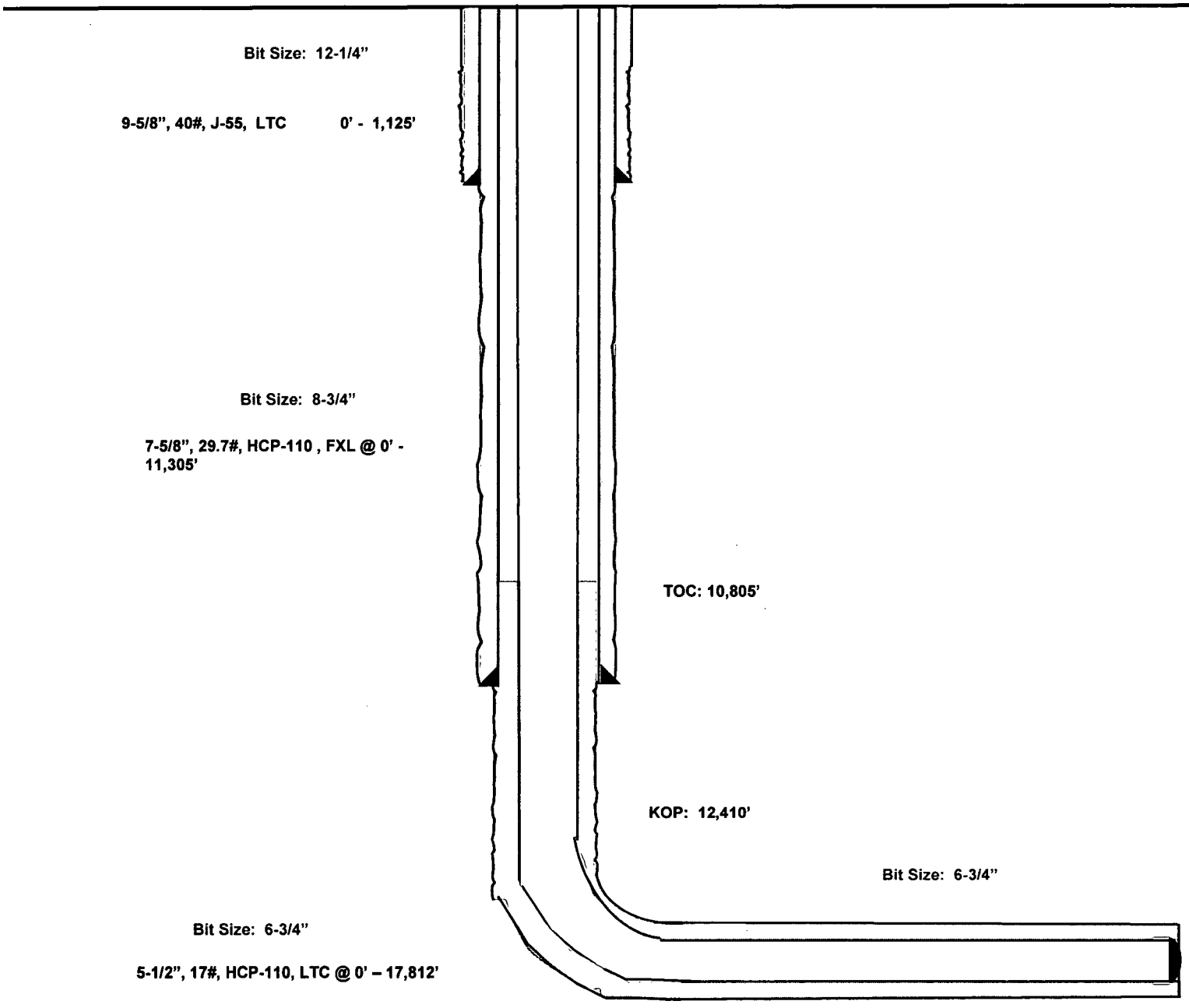
310' FSL
483' FEL
Section 36
T-24-S, R-32-E

Python 36 State #745H
Lea County, New Mexico

Proposed Wellbore
Design A

API: 30-025-***

KB: 3,546'
GL: 3,521'



Lateral: 17,812' MD, 12,881' TVD
BH Location: 100' FNL & 715' FEL
Section 36
T-24-S, R-32-E

310' FSL
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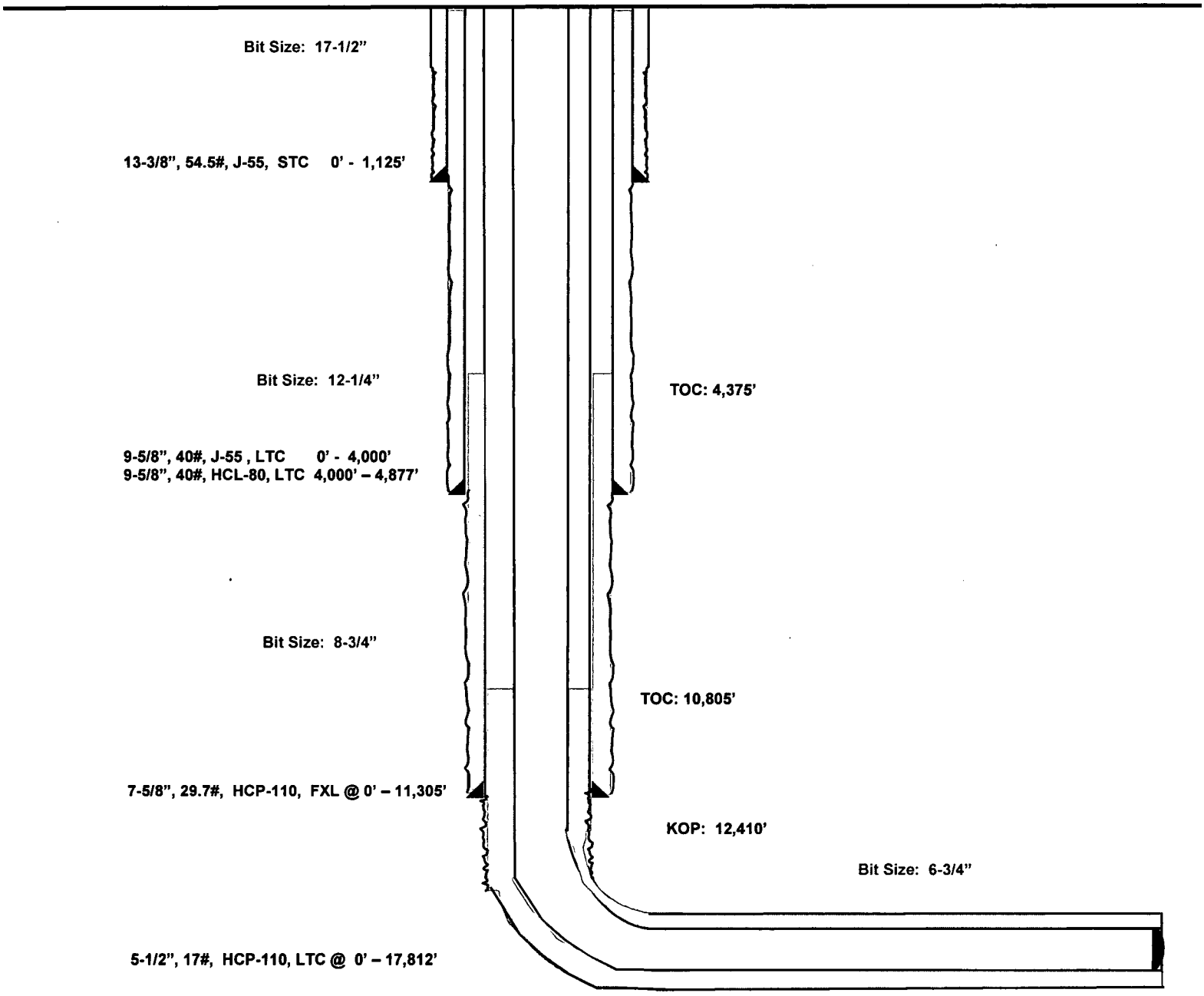
Proposed Wellbore
Design B

API: 30-025-*****



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