Intent [X] As Drilled [ ]

HOBBS
FEB 20 2019
RECEIVED

API #		
30-025-45629		
Operator Name:	Property Name:	Well Number
EOG Resources, Inc.	Hearns 34 State	405H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	34	24S	33E		44	SOUTH	1239	EAST	Lea
Latitude					Longitude				NAD
N 32.1669722					W -103.5459578				83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	34	24S	33E		100	SOUTH	1280	EAST	Lea
Latitude					Longitude				NAD
N 32.1671116					W -103.5557866				83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	34	24S	33E		100	NORTH	1280	EAST	Lea
Latitude					Longitude				NAD
N 32.1810735					W -103.5558059				83

Is this well the defining well for the Horizontal Spacing Unit? Yes

Is this well an infill well? No

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
32-025-		
Operator Name:	Property Name:	Well Number
EOG Resources, Inc.	Hearns 34 State	405H

KZ 06/29/2018

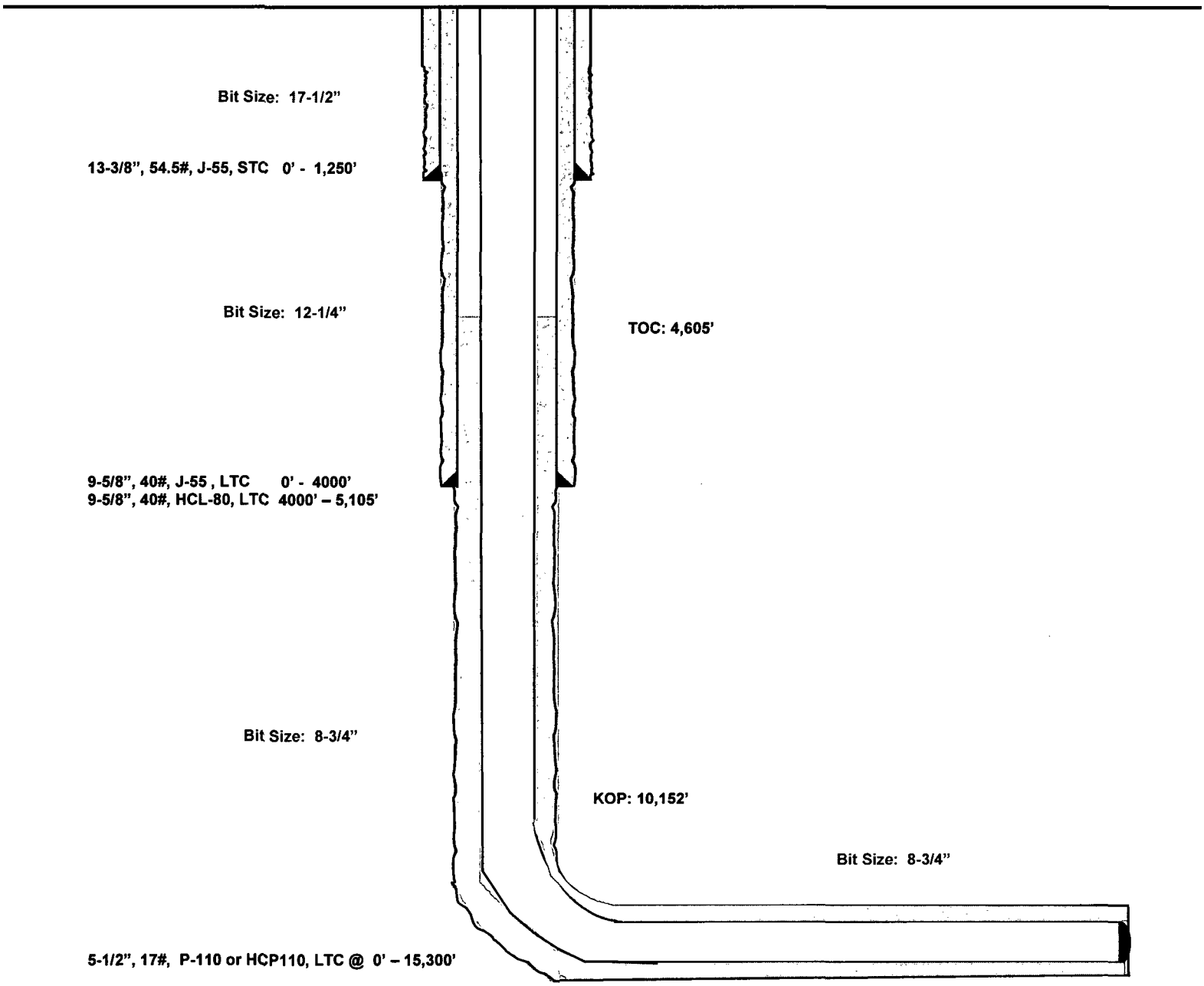
Hearns 34 State #405H
Lea County, New Mexico

Proposed Wellbore

300' FSL
281' FEL
Section 34
T-24-S, R-33-E

API: 30-025-*****

KB: 3,510'
GL: 3,485'



Lateral: 15,300' MD, 10,514' TVD
BH Location: 100' FNL & 1,280' FEL
Section 34
T-24-S, R-33-E

EOG RESOURCES, INC.
HEARNS 34 STATE #405H

Permit Information:

Well Name: Hearns 34 State No. 405H

Location:
SHL: 300' FSL & 281' FEL, Section 34, T-24-S, R-33-E, Lea Co., N.M.
BHL: 100' FNL & 1,280' FEL, Section 34, 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' – 1,250'	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' – 5,105'	9.625"	40#	HCL-80	LTC	1.125	1.25	1.60
8.75"	0'– 15,300'	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
1,250'	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
5,105'	900	12.7	2.22	Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ Surface)
	225	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
15,300'	375	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1 (TOC @ 4,605')
	400	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1300	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' – 1,250'	Fresh - Gel	8.6-8.8	28-34	N/c
1,250' – 5,105'	Brine	10.0-10.2	28-34	N/c
5,105' – 10,152'	Cut Brine	8.4-9.0	28-34	N/c
10,152' – 15,300' Lateral	Cut Brine	9.0-9.5	40-42	8-10