

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-45321
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator EOG Resources, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 2267, Midland, Texas 79702		7. Lease Name or Unit Agreement Name Mamba 30 State Com
4. Well Location Unit Letter <u>M</u> : <u>711</u> feet from the <u>South</u> line and <u>541</u> feet from the <u>West</u> line Section <u>30</u> <u>24S</u> Township <u>33E</u> Range <u>NMNM</u> Lea <u>Lea</u> County <u>Lea</u>		8. Well Number <u>709H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3556'</u>		9. OGRID Number <u>7377</u>
		10. Pool name or Wildcat <u>WC-025 G-09 S243361; Upper Wolfcamp</u>

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: Amend APD ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG Resources Inc, respectfully requests to amend the APD (Permit 259107) to change the bottom hole location for the above referenced well. Attached please find the following amended documents: C-102 plat, the proposed wellbore diagram & the proposed drilling/casing/cementing/mud information.

Spud Date: 1/06/2019

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Star Harrell TITLE Sr Regulatory Specialist DATE 1/16/2019

Type or print name Star Harrell E-mail address: star_harrell@eogresources.com PHONE: 432-848-9161

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 01/17/19
Conditions of Approval (if any):

Permit Information Revised 1/15/19:

Well Name: Mamba 30 State Com No. 709H

Location:

SHL: 711' FSL & 541' FWL, Section 30, T-24-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL & 980' FWL, Section 30, T-24-S, R-33-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 - 1,150'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0' - 11,380'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0'-17,411'	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
1,150'	400	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
11,380'	300	9.0	3.5	Class C + 5% Gypsum + 3% CaCl ₂ (TOC @ Surface)
	550	14.4	1.20	50:50 Class H:Poz + 0.25% CPT20A + 0.40% CPT49 + 0.20% CPT35 + 0.80% CPT16A + 0.25% CPT503P
17,411'	800	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 10,880)

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,150'	Fresh - Gel	8.6-8.8	28-34	N/c
1,150' - 11,380'	Brine	8.8-10.0	28-34	N/c
11,380' - 12,010'	Oil Base	10.0-11.5	58-68	3 - 6
12,010' - 17,411' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

Design B**Casing Program:**

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 1,150'	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' – 4,895'	9.625"	40#	HCL-80	LTC	1.125	1.25	1.60
8.75"	0 – 11,380'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0'-17,411'	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
1,150'	697	13.5	1.74	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl ₂ (TOC @ Surface)
	333	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)
4,895'	692	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)
	303	14.8	1.32	Tail: Class C + 0.13% C-20
11,380'	375	10.8	3.67	Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ 4,395')
	400	14.8	2.38	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800
17,411'	950	14.8	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 10,880')

Mud Program:

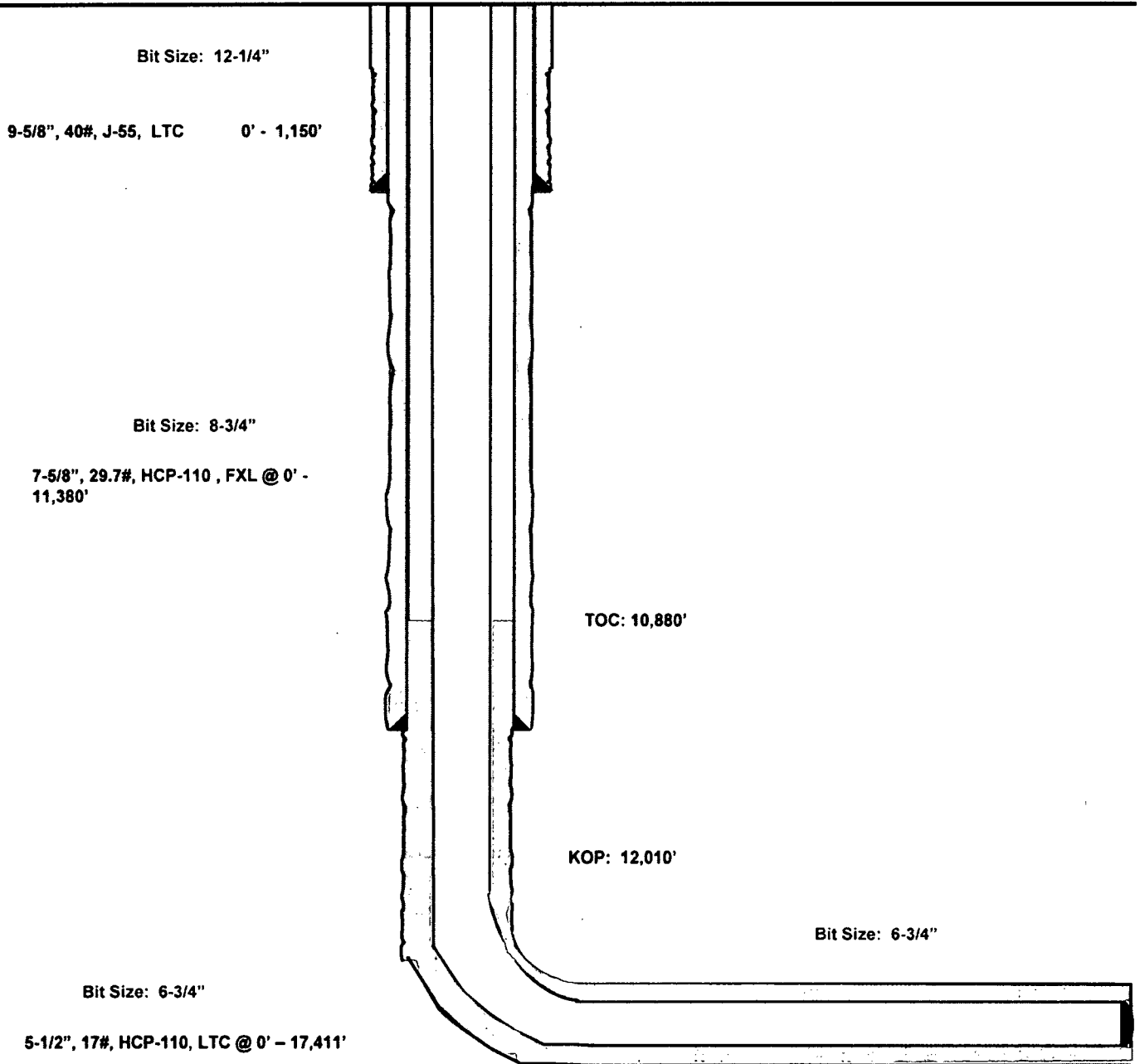
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,150'	Fresh - Gel	8.6-8.8	28-34	N/c
1,150' – 4,895'	Brine	10.0-10.2	28-34	N/c
4,895' – 11,380'	Oil Base	8.7-9.4	58-68	N/c - 6
11,380' – 17,411' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

**Mamba 30 State Com #709H
Lea County, New Mexico**

**711' FSL
541' FWL
Section 30
T-24-S, R-33-E**

**Revised Wellbore Design A
1/15/19
API: 30-025-45321**

**KB: 3,580'
GL: 3,555'**



Lateral: 17,411' MD, 12,452' TVD

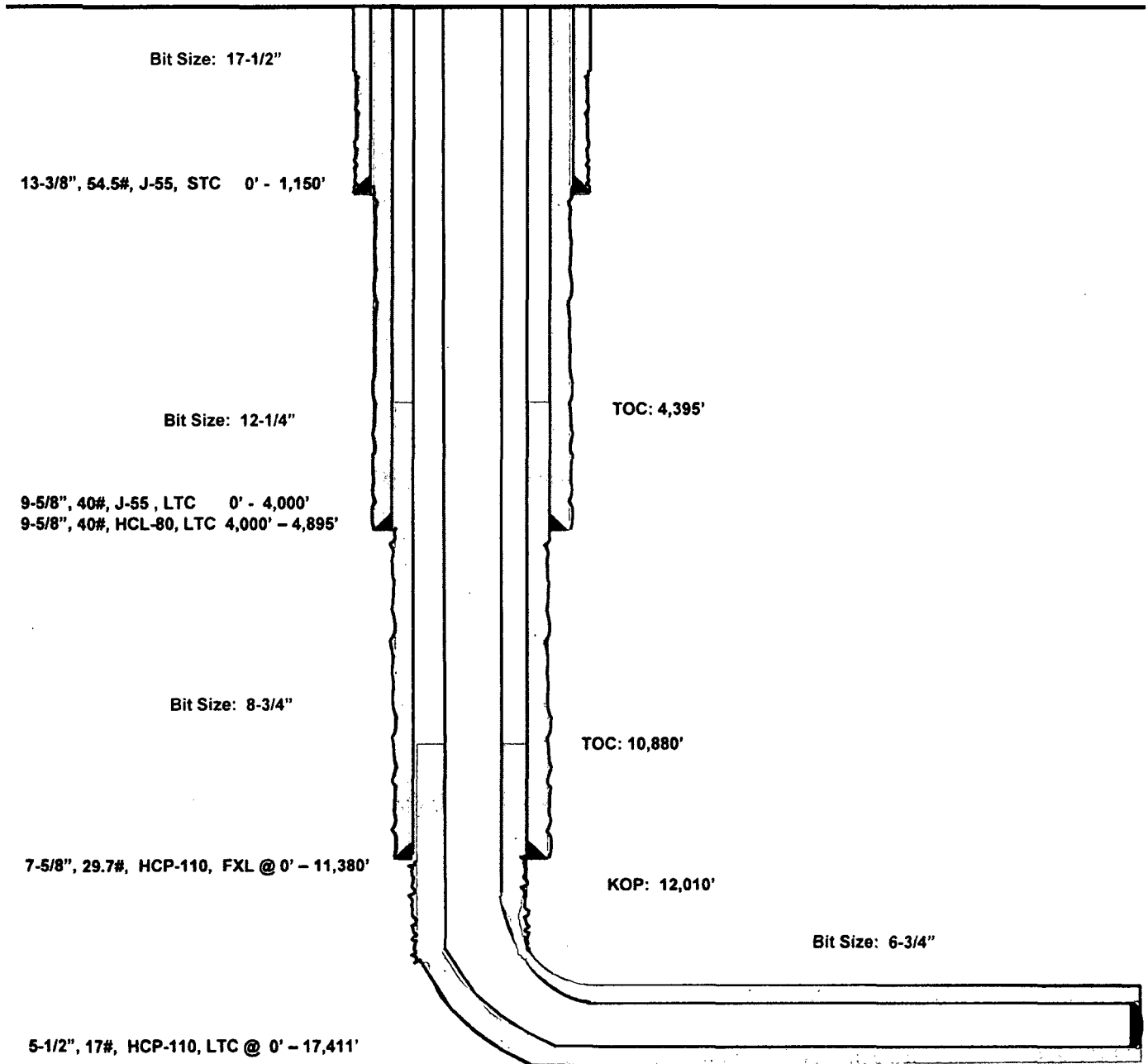
**BH Location: 100' FNL & 980' FWL
Section 30
T-24-S, R-33-E**

Mamba 30 State Com #709H
Lea County, New Mexico

711' FSL
541' FWL
Section 30
T-24-S, R-33-E

Revised Wellbore Design B
1/15/19
API: 30-025-45321

KB: 3,580'
GL: 3,555'



Lateral: 17,411' MD, 12,452' TVD

BH Location: 100' FNL & 980' FWL
Section 30
T-24-S, R-33-E