

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

SUNDY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG A WELL TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-45324
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐ NOV 13 2018		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, TX 79702		7. Lease Name or Unit Agreement Name Golden Graham 1 State Com
4. Well Location Unit Letter M : 221 feet from the South line and 732 feet from the West line Section 1 Township 26S Range 28E NMPM County Eddy		8. Well Number 721H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2940' GR		9. OGRID Number 7377
		10. Pool name or Wildcat Purple Sage; Wolfcamp (Gas)

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: ☐	Casing Change ☒	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 requests an amendment to our approved APD for this well to reflect a revised casing design as attached.

EOG requests to change the setting depth for the surface casing to 550'. EOG has insufficient data over the subject area to determine the top of the Rustler Anhydrite based on electric logs. Therefore, the surface casing will be set at 550, approximately 100-150' deeper than the offset wells in the adjacent sections. EOG plans to obtain a gamma ray log as well as a mudlog of the surface formations to better determine the top of the Rustler for this and future wells. The surface casing will be set above any salt formations.

Please also note that we received a verbal approval from NMOCD Artesia geologist Raymond Podany on 11/9/2018 to proceed ahead with setting the surface casing at 550' instead of 911'.

Spud Date:

Rig Release Date:

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

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 11/13/2018
Type or print name Stan Wagner E-mail address: _____ PHONE: 432-686-3689
For State Use Only

APPROVED BY: Raymond Podany TITLE Geologist DATE 11/14/2018
Conditions of Approval (if any): _____

Revised Permit Information 11/13/18:

Well Name: Golden Graham 1 State Com No. 721H

Location:

SHL: 221' FSL & 732' FWL, Section 1, T-26-S, R-28-E, Eddy Co., N.M.

BHL: 230' FNL & 1002' FWL, Section 36, T-25-S, R-28-E, Eddy 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' - 550'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0' - 8,565'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0' - 20,044'	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
550'	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
8,565'	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
20,044'	800	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 8,065)

Mud Program:

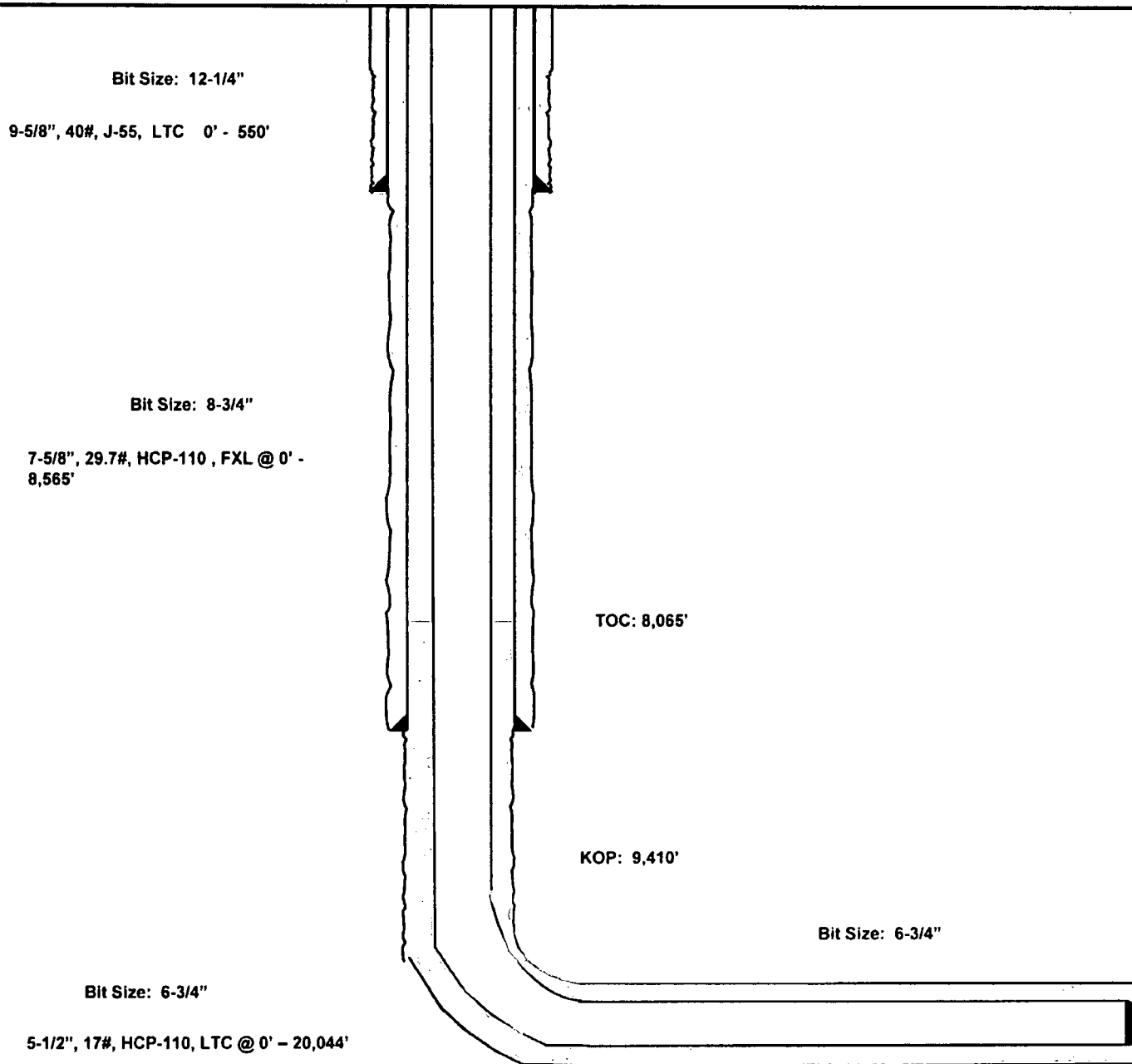
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 550'	Fresh - Gel	8.6-8.8	28-34	N/c
550' - 8,565'	Brine	8.8-10.0	28-34	N/c
8,565' - 9,410'	Oil Base	10.0-11.5	58-68	3 - 6
9,410' - 20,044' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

Golden Graham 1 State Com #721H
Eddy County, New Mexico

221' FSL
732' FWL
Section 1
T-26-S, R-28-E

Proposed Wellbore Design A
Revised 11/13/18
API: 30-015-45324

KB: 2,965'
GL: 2,940'



Lateral: 20,044' MD, 9,880' TVD

BH Location: 230' FNL & 1002' FWL
Section 36
T-25-S, R-28-E

Design B

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 550'	13.375"	54.5#	J-55	STC	1.125	1.25	1.60
12.25"	0-2,530'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0 - 8,565'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0'-20,044'	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
550'	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)
2,530'	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
8,565'	375	10.8	3.67	Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ 2,030')
	400	14.8	2.38	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800
20,044'	950	14.8	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 8,065')

Mud Program:

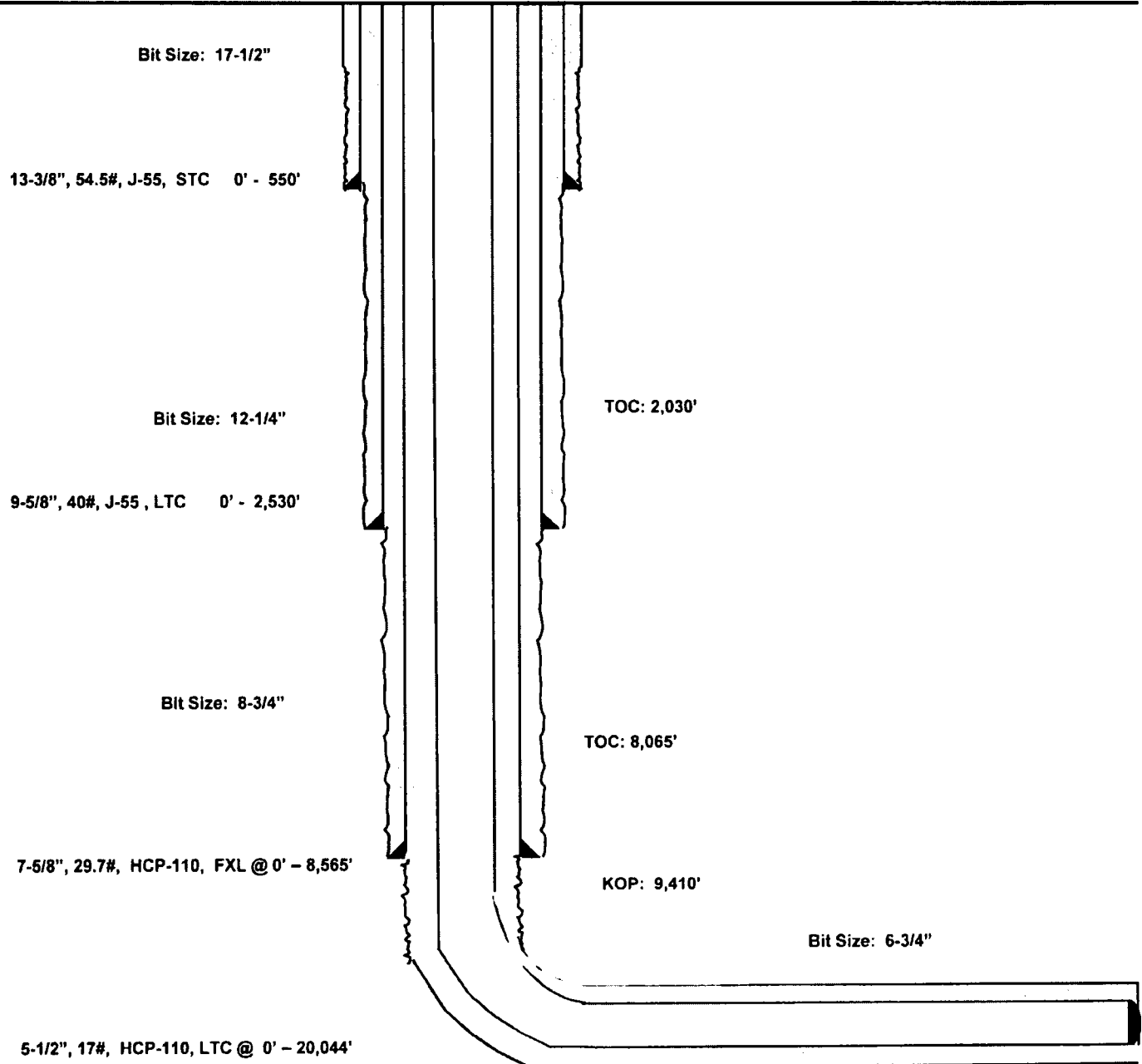
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8,565' - 20,044' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

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Eddy County, New Mexico

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732' FWL
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T-26-S, R-28-E

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Revised 10/19/18
API: 30-015-45324

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