

Submit a 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

Form C-103
Revised July 18, 2013

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

WELL API NO.
30-015-56915
5. Indicate Type of Lease
STATE [X] FEE []
6. State Oil & Gas Lease No.
322721
7. Lease Name or Unit Agreement Name
Golden Graham 1 State Com
8. Well Number 581H
9. OGRID Number 7377
10. Pool name or Wildcat
51010 Red Bluff; Bone Spring, South

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.)
1. Type of Well: Oil Well [X] Gas Well [] Other []
2. Name of Operator
EOG Resources, Inc.
3. Address of Operator
P.O. Box 2267, Midland, Texas 79702
4. Well Location
Unit Letter M : 285 feet from the South line and 1170 feet from the West line
Section 1 26S Township 28E Range NMNM Eddy County
11. Elevation (Show whether DR, RKB, RT, GR, etc.)
2937' GR

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

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [] PLUG AND ABANDON []
TEMPORARILY ABANDON [] CHANGE PLANS [X]
PULL OR ALTER CASING [] MULTIPLE COMPL []
DOWNHOLE COMMINGLE []
CLOSED-LOOP SYSTEM []
OTHER: []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/CEMENT JOB []
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 respectfully requests an amendment to our approved APD for this well to reflect the following changes:

Update casing and cement program to current design.

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 Star L Harrell TITLE Regulatory Advisor DATE 7/1/2025

Type or print name Star Harrell E-mail address: star_harrell@eogresources.com PHONE: 432-257-2428

For State Use Only

APPROVED BY: TITLE DATE
Conditions of Approval (if any):



Golden Graham 1 State Com #581H
EDDY County, New Mexico
Proposed Wellbore

285' FSL
1170' FWL
Section 1
T-26-S, R-28-E

KB: 2962'
GL: 2937'

API: 30-015-56915

Bit Size: 13"

10-3/4", 40.5#, J-55, STC
@ 0' - 600' MD
@ 0' - 600' TVD

Bit Size: 9-7/8"

8-5/8", 32.#, J-55, BTC-SC
@ 0' - 2,641' MD
@ 0' - 2,610' TVD

Bit Size: 7-7/8" | Bit Size: 6-3/4"

6", 24.5#, P110-EC, VAM Sprint-TC
@ 0' - 8,442' MD
@ 0' - 8,413' TVD

5-1/2", 20.#, P110-EC, VAM Sprint SF
@ 8,442' - 19,329' MD
@ 8,413' - 8,990' TVD

KOP: 8,542' MD, 8,513' TVD
EOC: 9,292' MD, 8,990' TVD

If production Bradenhead is performed,
TOC will be at surface
TOC @ 2,191', if performed
conventionally.

Lateral: 19,329' MD, 8,990' TVD
BH Location: 100' FNL & 1579' FWL
Sec. 36 T-25-S R-28-E



Golden Graham 1 State Com #581H

Permit Information:

Well Name: Golden Graham 1 State Com 581H

Location: SHL: 285' FSL & 1170' FWL, Section 1, T-26-S, R-28-E, EDDY Co., N.M.

BHL: 100' FNL & 1579' FWL, Section 36, T-25-S, R-28-E, EDDY Co., N.M.

Casing Program:

Hole Size	Interval MD		Interval TVD		Csg OD	Weight	Grade	Conn
	From (ft)	To (ft)	From (ft)	To (ft)				
13"	0	600	0	600	10-3/4"	40.5#	J-55	STC
9-7/8"	0	2,641	0	2,610	8-5/8"	32#	J-55	BTC-SC
7-7/8"	0	8,442	0	8,413	6"	24.5#	P110-EC	VAM Sprint-TC
6-3/4"	8,442	19,329	8,413	8,990	5-1/2"	20#	P110-EC	VAM Sprint SF

**For highlighted rows above, variance is requested to run entire string of either or casing string above due to availability.

Cement Program:

Depth MD	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
600'	140	13.5	1.73	Class C/H + additives (TOC @ Surface)
	100	14.8	1.34	Class C/H + additives
2,641'	220	12.7	1.11	Tail: Class C/H + additives + expansion additives (TOC @ 2000')
	140	14.8	1.5	Lead: Class C/H + additives (TOC @ Surface)
19,329'	1280	13.2	1.52	Tail: Class C/H + additives (TOC @ 8,542')
	880	10.5	3.21	Lead: Class C/H + additives (TOC @ 2,191')

Mud Program:

Section	Depth	Type	Weight (ppg)	Viscosity	Water Loss
Surface	0 – 600'	Fresh - Gel	8.6-9.2	28-34	N/c
Intermediate	600' – 2,330'	Brine	9.0-10.5	28-34	N/c
Production	2,330' – 19,329' Lateral	Oil Base	8.8-9.5	58-68	N/c - 6



Golden Graham 1 State Com #581H

TUBING REQUIREMENTS:

EOG respectfully requests an exception to the following NMOCD rule:

- 19.15.16.10 Casing AND TUBING REQUIREMENTS:
J (3): “The operator shall set tubing as near the bottom as practical and tubing perforations shall not be more than 250 feet above top of pay zone.”

With horizontal flowing and gas lifted wells an end of tubing depth placed at or slightly above KOP is a conservative way to ensure the tubing stays clean from debris, plugging, and allows for fewer well interventions post offset completion. The deeper the tubulars are run into the curve, the higher the probability is that the tubing will become stuck in sand and or well debris as the well produces over time. An additional consideration for EOT placement during artificial lift installations is avoiding the high dog leg severity and inclinations found in the curve section of the wellbore to help improve reliability and performance. Dog leg severity and inclinations tend not to hamper gas lifted or flowing wells, but they do effect other forms of artificial lift like rod pump or ESP (electric submersible pump). Keeping the EOT above KOP is an industry best practice for those respective forms of artificial lift.



Golden Graham 1 State Com #581H

Hydrogen Sulfide Plan Summary

A. All personnel shall receive proper H₂S training in accordance with Onshore Order III.C.3.a.

B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.

C. Required Emergency Equipment:

■ Well control equipment

- a. Flare line 150' from wellhead to be ignited by flare gun.
- b. Choke manifold with a remotely operated choke.
- c. Mud/gas separator

■ Protective equipment for essential personnel.

Breathing apparatus:

- a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- b. Work/Escape packs — 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- c. Emergency Escape Packs — 4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

- a. Stretcher
- b. Two OSHA full body harness
- c. 100 ft 5/8 inch OSHA approved rope
- d. 1-20# class ABC fire extinguisher

■ H₂S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)

■ Visual warning systems.

- a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
- b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
- c. Two wind socks will be placed in strategic locations, visible from all angles.



Golden Graham 1 State Com #581H

■ Mud program:

The mud program has been designed to minimize the volume of H₂S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H₂S bearing zones.

■ Metallurgy:

All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.

■ Communication:

Communication will be via cell phones and land lines where available.



**Golden Graham 1 State Com #581H
Emergency Assistance Telephone List**

PUBLIC SAFETY: **911 or**

Lea County Sheriff's Department		(575) 396-3611
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Rod Coffman

Fire Department:

Carlsbad		(575) 885-3125
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Artesia		(575) 746-5050
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Hospitals:

Carlsbad		(575) 887-4121
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Artesia		(575) 748-3333
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Hobbs		(575) 392-1979
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Dept. of Public Safety/Carlsbad		(575) 748-9718
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Highway Department		(575) 885-3281
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New Mexico Oil Conservation		(575) 476-3440
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NMOCD Inspection Group - South		(575) 626-0830
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U.S. Dept. of Labor		(575) 887-1174
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EOG Resources, Inc.

EOG / Midland	Office	(432) 686-3600
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Company Drilling Consultants:

David Dominique	Cell	(985) 518-5839
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Mike Vann	Cell	(817) 980-5507
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Drilling Engineer

Stephen Davis	Cell	(432) 235-9789
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Matt Day	Cell	(432) 296-4456
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Drilling Manager

Branden Keener	Office	(432) 686-3752
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	Cell	(210) 294-3729
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Drilling Superintendent

Steve Kelly	Office	(432) 686-3706
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	Cell	(210) 416-7894
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H&P Drilling

H&P Drilling	Office	(432) 563-5757
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H&P 651 Drilling Rig	Rig	(903) 509-7131
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Tool Pusher:

Johnathan Craig	Cell	(817) 760-6374
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Brad Garrett

Safety:

Brian Chandler (HSE Manager)	Office	(432) 686-3695
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	Cell	(817) 239-0251
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Golden Graham 1 State Com #581H

GEOLOGIC NAME OF SURFACE FORMATION:

Permian

ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Castile	981'
Base of Salt	2,227'
Lamar	2,560'
Bell Canyon	2,743'
Cherry Canyon	3,595'
Brushy Canyon	5,185'
Bone Spring Lime	6,429'
Leonard (Avalon) Shale	6,509'
1st Bone Spring Sand	7,342'
2nd Bone Spring Shale	7,578'
2nd Bone Spring Sand	8,033'
3rd Bone Spring Carb	8,534'
3rd Bone Spring Sand	9,125'
TD	8,990'

ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0 - 400' Fresh Water
Lamar	2,560' Oil
Cherry Canyon	3,595' Oil
Brushy Canyon	5,185' Oil
Bone Spring Lime	6,429' Oil
Leonard (Avalon) Shale	6,509' Oil
1st Bone Spring Sand	7,342' Oil
2nd Bone Spring Shale	7,578' Oil
2nd Bone Spring Sand	8,033' Oil

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 480732

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 480732
	Action Type: [C-103A] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
keith.dziokonski	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	4/8/2026