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District III
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011

Permit 296048

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	3. API Number 30-015-48313

4. Property Code	5. Property Name	6. Well No.
322721	GOLDEN GRAHAM 1 STATE COM	702H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	1	26S	28E	N	215	S	1784	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	36	25S	28E	C	230	N	1440	W	Eddy

9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	2933
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	19813	Wolfcamp		6/14/2020
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	1262	420	0
Int1	8.75	7.625	29.7	8637	1470	0
Prod	6.75	5.5	17	19813	990	8140

Casing/Cement Program: Additional Comments

EOG respectfully requests the option to use the casing and cement program described in Design B of the drill plan. The NMOCD will be notified of EOG's election at spud.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:		**OIL CONSERVATION DIVISION**	
Printed Name:	Electronically filed by Kay Maddox	Approved By:	Kurt Simmons
Title:	Regulatory Agent	Title:	Petroleum Specialist - A
Email Address:	kay_maddox@eogresources.com	Approved Date:	5/13/2021 Expiration Date: 5/13/2023
Date:	5/11/2021 Phone: 432-686-3658	Conditions of Approval Attached	

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-	98220	Purple Sage; Wolfcamp (Gas)

Property Code	Property Name	Well Number
322721	GOLDEN GRAHAM 1 STATE COM	702H

OGRID No.	Operator Name	Elevation
7377	EOG RESOURCES, INC.	2933'

Surface Location

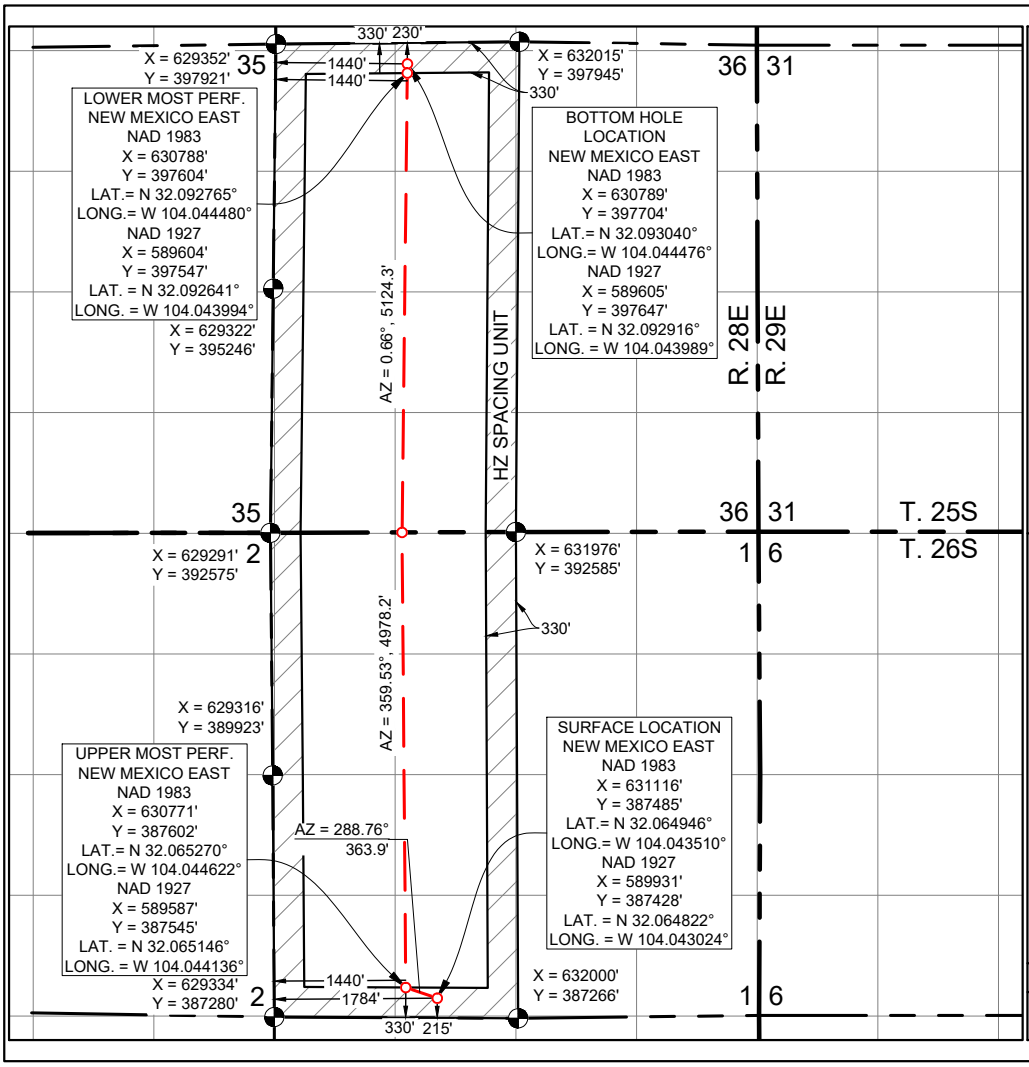
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	1	26 S	28 E		215	SOUTH	1784	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	36	25 S	28 E		230	NORTH	1440	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidated Code	Order No.
640.00			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Star L Harrell 5/11/2021
Signature Date

Star L Harrell
Print Name

star_harrell@eogresources.com
E-mail Address

SURVEYORS CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

FEBRUARY 8, 2021
Date of Survey

Signature and Seal of Professional Surveyor:

RALPH B. CHUSTZ, JR. NEW MEXICO 26264 PROFESSIONAL SURVEYOR
04/27/2021

Job No.: EOG_B200070
RALPH B. CHUSTZ, JR., N.M.P.L.S.
Certificate Number 26264

P:\EOG_B200070\P&D\C1\D\Golden Graham 1 State Com C102 702H.dwg, JWILSON 4/23/2021 1:21 PM

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GAS CAPTURE PLAN

Date: 5/13/2021

☒ Original

☐ Amended - Reason for Amendment:

Operator & OGRID No.: [7377] EOG RESOURCES INC

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
GOLDEN GRAHAM 1 STATE COM #702H	30-015-48313	N-1-26S-28E	0215S 1784W	5	None	

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to LUCID ENERGY DELAWARE, LLC and will be connected to LUCID ENERGY DELAWARE, LLC Low Pressure gathering system located in Eddy County, New Mexico. It will require 0' of pipeline to connect the facility to Low Pressure gathering system. EOG RESOURCES INC provides (periodically) to LUCID ENERGY DELAWARE, LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, EOG RESOURCES INC and LUCID ENERGY DELAWARE, LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at LUCID ENERGY DELAWARE, LLC Processing Plant located in Sec. 13, Twn. 24S, Rng. 33E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on LUCID ENERGY DELAWARE, LLC system at that time. Based on current information, it is EOG RESOURCES INC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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

Form APD Conditions

Permit 296048

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702	30-015-48313
	Well: GOLDEN GRAHAM 1 STATE COM #702H

OCD Reviewer	Condition
ksimmons	Notify OCD 24 hours prior to casing & cement
ksimmons	Will require a File As Drilled C-102 and a Directional Survey with the C-104
ksimmons	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing

eog resources

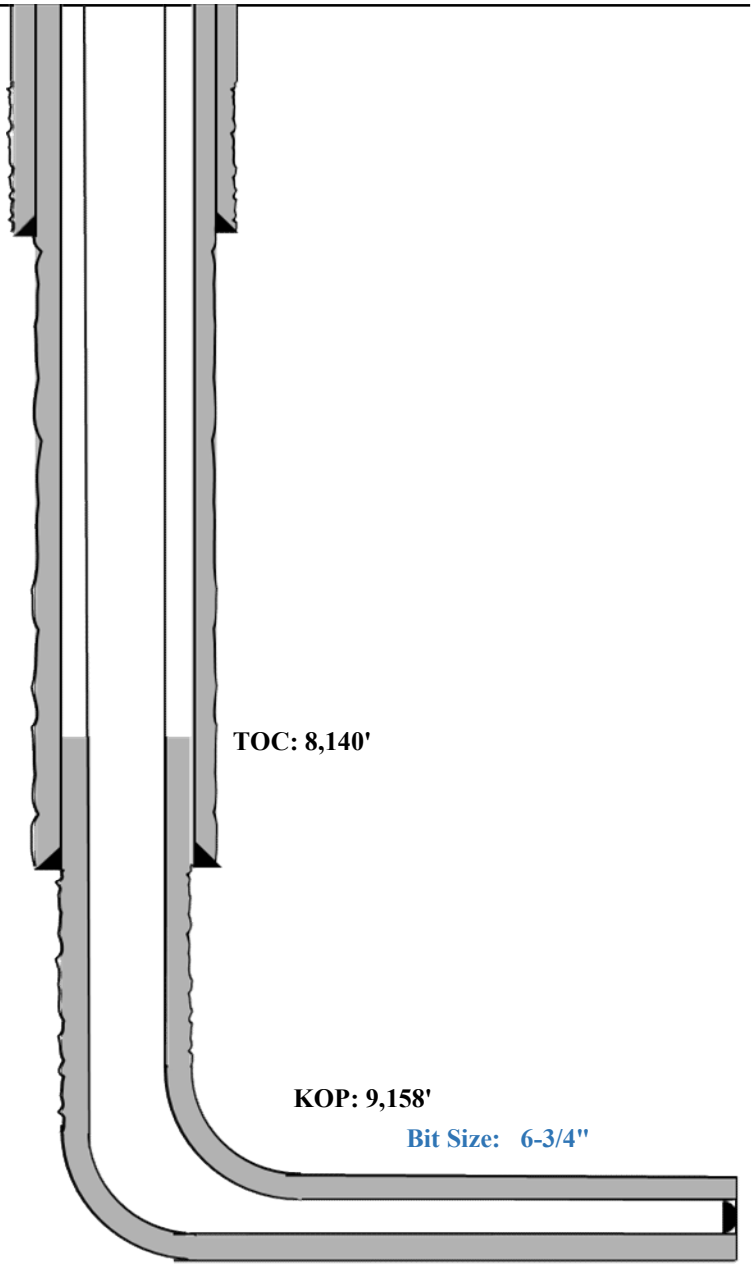
Golden Graham 1 State Com #702H
Eddy County, New Mexico

215' FSL
1784' FWL
Section 1
T-26-S, R-28-E

Proposed Wellbore
Design A

API: 30-015-***

KB: 2958'
GL: 2933'



Bit Size: 12-1/4"
9-5/8", 36#, J-55, LTC, 0' - 1,262'

Bit Size: 8-3/4"
7-5/8", 29.7#, HCP-110, FXL, 0' - 8,640'

TOC: 8,140'

KOP: 9,158'

Bit Size: 6-3/4"

Bit Size: 6-3/4"

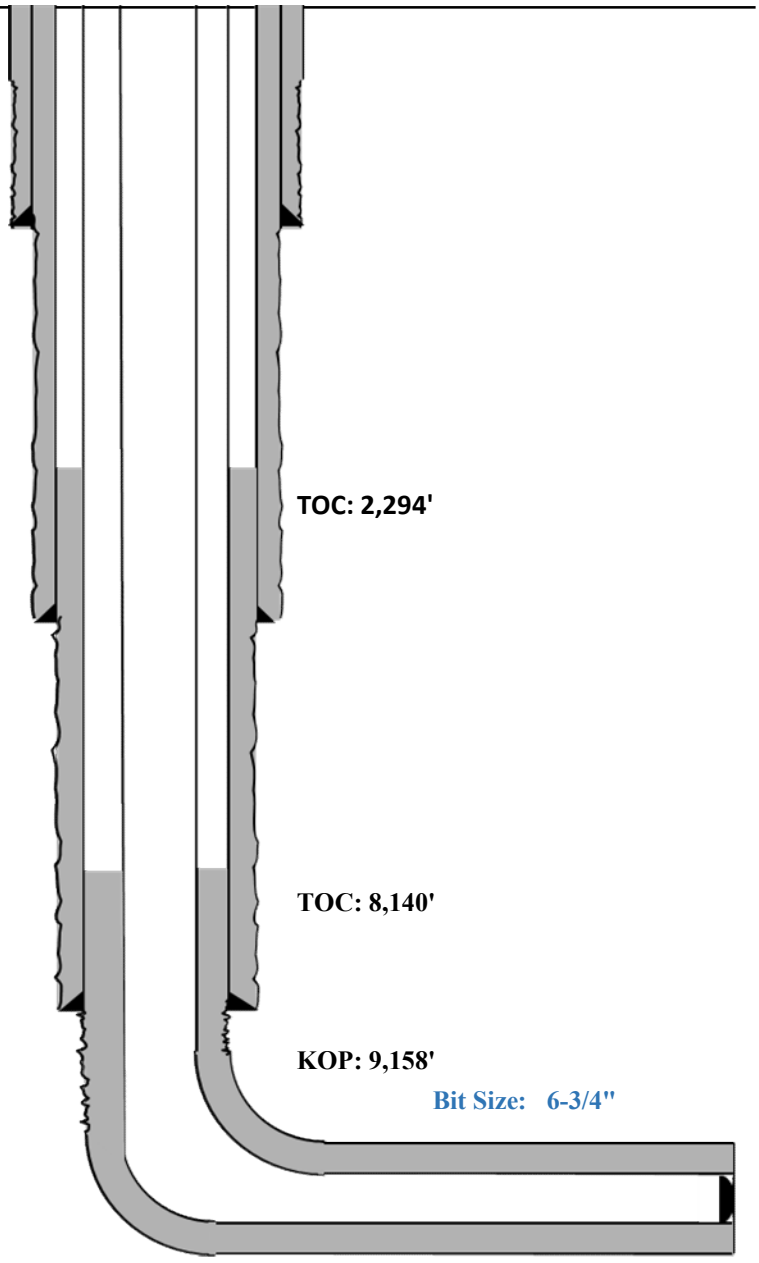
5-1/2", 17#, HCP-110, LTC, @ 0' - 19,813'

Lateral: 19,813' MD, 9,613' TVD
BH Location: 230' FNL & 1440' FWL
Sec. 36
T-25-S R-28-E

eog resources

Golden Graham 1 State Com #702H
Eddy County, New Mexico

215' FSL	**Proposed Wellbore**	**KB: 2958'**
1784' FWL	**Design B**	**GL: 2933'**
Section 1		
T-26-S, R-28-E	**API: 30-015-*****	



Bit Size: 16"
13-3/8", 54.5#, J-55, STC, 0' - 1,262'

Bit Size: 12-1/4"
9-5/8" 40.#, J-55, LTC, 0' - 2,794'

TOC: 2,294'

Bit Size: 8-3/4"
7-5/8" 29.7#, HCP-110, FXL, 0' - 8,640'

TOC: 8,140'

Bit Size: 6-3/4"
5-1/2", 17#, HCP-110, LTC, @ 0' - 19,813'

KOP: 9,158'

Bit Size: 6-3/4"

Lateral: 19,813' MD, 9,613' TVD
BH Location: 230' FNL & 1440' FWL
Sec. 36
T-25-S R-28-E

eog resources

Golden Graham 1 State Com #702H

Permit Information:

Well Name: Golden Graham 1 State Com #702H

Location:

SHL: 215' FSL & 1784' FWL, Section 1, T-26-S, R-28-E, Eddy Co., N.M.

BHL: 230' FNL & 1440' 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	DFmin Collapse	DFmin Burst	Dfmin Tension
12.25"	0' - 1,262'	9.625"	36#	J-55	LTC	1.125	1.25	1.6
8.75"	0' - 8,637'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.6
6.75"	0' - 19,813'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,262'	340	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	80	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
8,637'	470	14.2	1.11	1st Stage (Tail): Class C + 5% Salt (TOC @ 4,635')
	1000	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
19,813'	990	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 8,140')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,262'	Fresh - Gel	8.6-8.8	28-34	N/c
1,262' – 8,637'	Brine	10.0-10.2	28-34	N/c
8,637' – 9,158'	Oil Base	8.7-9.4	58-68	N/c - 6
9,158' – 19,813' Lateral	Oil Base	10.0-14.0	58-68	4 - 6

eog resources

Golden Graham 1 State Com #702H

Design B

CASING PROGRAM

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DFmin Collapse	DFmin Burst	DFmin Tension
16"	0' - 1,262'	13.375"	54.5#	J-55	STC	1.125	1.25	1.6
12.25"	0' - 2,794'	9.625"	40#	J-55	LTC	1.125	1.25	1.6
8.75"	0' - 8,637'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.6
6.75"	0' - 19,813'	5.5"	17#	HCP-110	FXL	1.125	1.25	1.6

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,262'	380	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 2.0% CaCl2 (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate + 2.0% KCl (1.06 lb/sk)
2,794'	420	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)
	190	10.8	1.32	Tail: Class C + 0.13% C-20
8,637'	180	14.8	3.67	Lead: Class H + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ 2,290')
	100	14.8	2.38	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800 (TOC @ 7,137')
19,813'	990	14.8	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 8,137')

As a contingency, EOG requests to pump a two stage cement job on the 7.625" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (4,835') 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 (1.5 yld, 14.8 ppg) will be executed.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,262'	Fresh - Gel	8.6-8.8	28-34	N/c
1,262' – 2,794'	Brine	10.0-10.2	28-34	N/c
2,794' – 8,637'	Oil Base	8.7-9.4	58-68	N/c - 6
8,637' – 19,813' Lateral	Oil Base	10.0-14.0	58-68	4 - 6

eog resources

Golden Graham 1 State Com #702H

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.

eog resources

Golden Graham 1 State Com #702H

- 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.

eog resources

Golden Graham 1 State Com #702H

Emergency Assistance Telephone List

PUBLIC SAFETY:		**911 or**
Lea County Sheriff's Department		(575) 396-3611
Rod Coffman		
Fire Department:		
Carlsbad		(575) 885-3125
Artesia		(575) 746-5050
Hospitals:		
Carlsbad		(575) 887-4121
Artesia		(575) 748-3333
Hobbs		(575) 392-1979
Dept. of Public Safety/Carlsbad		(575) 748-9718
Highway Department		(575) 885-3281
New Mexico Oil Conservation		(575) 476-3440
U.S. Dept. of Labor		(575) 887-1174
EOG Resources, Inc.		
EOG / Midland	Office	(432) 686-3600
Company Drilling Consultants:		
David Dominque	Cell	(985) 518-5839
Mike Vann	Cell	(817) 980-5507
Drilling Engineer		
Esteban Del Valle	Cell	(432) 269-7063
Daniel Moose	Cell	(432) 312-2803
Drilling Manager		
Aj Dach	Office	(432) 686-3751
	Cell	(817) 480-1167
Drilling Superintendent		
Jason Townsend	Office	(432) 848-9209
	Cell	(210) 776-5131
H&P Drilling		
H&P Drilling	Office	(432) 563-5757
H&P 651 Drilling Rig	Rig	(903) 509-7131
Tool Pusher:		
Johnathan Craig	Cell	(817) 760-6374
Brad Garrett		
Safety:		
Brian Chandler (HSE Manager)	Office	(432) 686-3695
	Cell	(817) 239-0251

EOG Resources - Midland

Eddy County, NM (NAD 83 NME)
Golden Graham 1 State Com
#702H

OH

Plan: Plan #0.2

Standard Planning Report

06 May, 2021

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 2958.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 2958.0usft
Site:	Golden Graham 1 State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Project Eddy County, NM (NAD 83 NME)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Golden Graham 1 State Com

Site Position:		**Northing:**	387,494.00 usft	**Latitude:**	32° 3' 53.919 N
From:	Map	**Easting:**	630,031.00 usft	**Longitude:**	104° 2' 49.246 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.15 °

Well #702H

Well Position	**+N/-S**	-9.0 usft	**Northing:**	387,485.00 usft	**Latitude:**	32° 3' 53.801 N
	+E/-W	1,085.0 usft	**Easting:**	631,116.00 usft	**Longitude:**	104° 2' 36.637 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	2,933.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/11/2018	7.02	59.82	47,661.85005359

Design Plan #0.2

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	354.80

Plan Survey Tool Program **Date** 5/5/2021

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	19,812.7	Plan #0.2 (OH)	MWD	
				OWSG MWD - Standard	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,752.9	7.06	244.71	1,752.0	-9.3	-19.6	2.00	2.00	0.00	244.71	
4,504.7	7.06	244.71	4,483.0	-153.7	-325.4	0.00	0.00	0.00	0.00	
4,857.6	0.00	0.01	4,835.0	-163.0	-345.0	2.00	-2.00	0.00	180.00	
9,158.1	0.00	0.01	9,135.5	-163.0	-345.0	0.00	0.00	0.00	0.00	KOP(GG 1 SC #702H
9,908.1	90.00	0.10	9,613.0	314.5	-344.2	12.00	12.00	0.01	0.10	
19,812.7	90.00	0.10	9,613.0	10,219.0	-327.0	0.00	0.00	0.00	0.00	PBHL(GG 1 SC #702

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 2958.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 2958.0usft
Site:	Golden Graham 1 State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	2.00	244.71	1,500.0	-0.7	-1.6	-0.6	2.00	2.00	0.00
1,600.0	4.00	244.71	1,599.8	-3.0	-6.3	-2.4	2.00	2.00	0.00
1,700.0	6.00	244.71	1,699.5	-6.7	-14.2	-5.4	2.00	2.00	0.00
1,752.9	7.06	244.71	1,752.0	-9.3	-19.6	-7.5	2.00	2.00	0.00
1,800.0	7.06	244.71	1,798.8	-11.7	-24.9	-9.4	0.00	0.00	0.00
1,900.0	7.06	244.71	1,898.0	-17.0	-36.0	-13.7	0.00	0.00	0.00
2,000.0	7.06	244.71	1,997.2	-22.2	-47.1	-17.9	0.00	0.00	0.00
2,100.0	7.06	244.71	2,096.5	-27.5	-58.2	-22.1	0.00	0.00	0.00
2,200.0	7.06	244.71	2,195.7	-32.7	-69.3	-26.3	0.00	0.00	0.00
2,300.0	7.06	244.71	2,295.0	-38.0	-80.4	-30.5	0.00	0.00	0.00
2,400.0	7.06	244.71	2,394.2	-43.2	-91.5	-34.8	0.00	0.00	0.00
2,500.0	7.06	244.71	2,493.4	-48.5	-102.6	-39.0	0.00	0.00	0.00
2,600.0	7.06	244.71	2,592.7	-53.7	-113.7	-43.2	0.00	0.00	0.00
2,700.0	7.06	244.71	2,691.9	-59.0	-124.9	-47.4	0.00	0.00	0.00
2,800.0	7.06	244.71	2,791.2	-64.2	-136.0	-51.6	0.00	0.00	0.00
2,900.0	7.06	244.71	2,890.4	-69.5	-147.1	-55.9	0.00	0.00	0.00
3,000.0	7.06	244.71	2,989.7	-74.7	-158.2	-60.1	0.00	0.00	0.00
3,100.0	7.06	244.71	3,088.9	-80.0	-169.3	-64.3	0.00	0.00	0.00
3,200.0	7.06	244.71	3,188.1	-85.2	-180.4	-68.5	0.00	0.00	0.00
3,300.0	7.06	244.71	3,287.4	-90.5	-191.5	-72.7	0.00	0.00	0.00
3,400.0	7.06	244.71	3,386.6	-95.7	-202.6	-77.0	0.00	0.00	0.00
3,500.0	7.06	244.71	3,485.9	-101.0	-213.7	-81.2	0.00	0.00	0.00
3,600.0	7.06	244.71	3,585.1	-106.2	-224.9	-85.4	0.00	0.00	0.00
3,700.0	7.06	244.71	3,684.4	-111.5	-236.0	-89.6	0.00	0.00	0.00
3,800.0	7.06	244.71	3,783.6	-116.7	-247.1	-93.9	0.00	0.00	0.00
3,900.0	7.06	244.71	3,882.8	-122.0	-258.2	-98.1	0.00	0.00	0.00
4,000.0	7.06	244.71	3,982.1	-127.2	-269.3	-102.3	0.00	0.00	0.00
4,100.0	7.06	244.71	4,081.3	-132.5	-280.4	-106.5	0.00	0.00	0.00
4,200.0	7.06	244.71	4,180.6	-137.7	-291.5	-110.7	0.00	0.00	0.00
4,300.0	7.06	244.71	4,279.8	-143.0	-302.6	-115.0	0.00	0.00	0.00
4,400.0	7.06	244.71	4,379.0	-148.2	-313.7	-119.2	0.00	0.00	0.00
4,504.7	7.06	244.71	4,483.0	-153.7	-325.4	-123.6	0.00	0.00	0.00
4,600.0	5.15	244.71	4,577.7	-158.1	-334.5	-127.1	2.00	-2.00	0.00
4,700.0	3.15	244.71	4,677.4	-161.1	-341.1	-129.6	2.00	-2.00	0.00
4,800.0	1.15	244.71	4,777.4	-162.8	-344.5	-130.9	2.00	-2.00	0.00
4,857.6	0.00	0.01	4,835.0	-163.0	-345.0	-131.0	2.00	-2.00	0.00
4,900.0	0.00	0.00	4,877.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
5,000.0	0.00	0.00	4,977.4	-163.0	-345.0	-131.0	0.00	0.00	0.00

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 2958.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 2958.0usft
Site:	Golden Graham 1 State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	0.00	0.00	5,077.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,177.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,277.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,377.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,477.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,577.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,677.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,777.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,877.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,977.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,077.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,177.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,277.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,377.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,477.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,577.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,677.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,777.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,877.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,977.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,077.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,177.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,277.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,377.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,477.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,577.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,677.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,777.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,877.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,977.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,077.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,177.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,277.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,377.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,477.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,577.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,677.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,777.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,877.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,977.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,077.4	-163.0	-345.0	-131.0	0.00	0.00	0.00
9,158.1	0.00	0.01	9,135.5	-163.0	-345.0	-131.0	0.00	0.00	0.00
KOP(GG 1 SC #702H)									
9,175.0	2.02	0.10	9,152.4	-162.7	-345.0	-130.8	12.00	12.00	0.00
9,200.0	5.02	0.10	9,177.3	-161.2	-345.0	-129.2	12.00	12.00	0.00
9,225.0	8.02	0.10	9,202.1	-158.3	-345.0	-126.4	12.00	12.00	0.00
9,250.0	11.02	0.10	9,226.8	-154.2	-345.0	-122.3	12.00	12.00	0.00
9,275.0	14.02	0.10	9,251.2	-148.8	-345.0	-116.9	12.00	12.00	0.00
9,300.0	17.02	0.10	9,275.3	-142.1	-345.0	-110.2	12.00	12.00	0.00
9,325.0	20.02	0.10	9,299.0	-134.1	-344.9	-102.3	12.00	12.00	0.00
9,350.0	23.02	0.10	9,322.2	-125.0	-344.9	-93.2	12.00	12.00	0.00
9,375.0	26.02	0.10	9,345.0	-114.6	-344.9	-82.8	12.00	12.00	0.00
9,400.0	29.02	0.10	9,367.1	-103.0	-344.9	-71.3	12.00	12.00	0.00

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 2958.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 2958.0usft
Site:	Golden Graham 1 State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,425.0	32.02	0.10	9,388.7	-90.3	-344.9	-58.7	12.00	12.00	0.00
9,450.0	35.02	0.10	9,409.5	-76.5	-344.9	-45.0	12.00	12.00	0.00
9,475.0	38.02	0.10	9,429.6	-61.7	-344.8	-30.1	12.00	12.00	0.00
9,500.0	41.02	0.10	9,448.9	-45.8	-344.8	-14.3	12.00	12.00	0.00
9,525.0	44.02	0.10	9,467.3	-28.9	-344.8	2.5	12.00	12.00	0.00
9,550.0	47.02	0.10	9,484.8	-11.0	-344.7	20.3	12.00	12.00	0.00
9,575.0	50.02	0.10	9,501.4	7.7	-344.7	38.9	12.00	12.00	0.00
9,600.0	53.02	0.10	9,516.9	27.3	-344.7	58.4	12.00	12.00	0.00
9,625.0	56.02	0.10	9,531.4	47.6	-344.6	78.7	12.00	12.00	0.00
9,650.0	59.02	0.10	9,544.9	68.7	-344.6	99.7	12.00	12.00	0.00
9,675.0	62.02	0.10	9,557.2	90.5	-344.6	121.3	12.00	12.00	0.00
9,700.0	65.02	0.10	9,568.3	112.9	-344.5	143.6	12.00	12.00	0.00
9,721.6	67.62	0.10	9,577.0	132.6	-344.5	163.3	12.00	12.00	0.00
FTP(GG 1 SC #702H)									
9,725.0	68.02	0.10	9,578.3	135.8	-344.5	166.5	12.00	12.00	0.00
9,750.0	71.02	0.10	9,587.0	159.2	-344.4	189.8	12.00	12.00	0.00
9,775.0	74.02	0.10	9,594.5	183.0	-344.4	213.5	12.00	12.00	0.00
9,800.0	77.02	0.10	9,600.8	207.2	-344.4	237.6	12.00	12.00	0.00
9,825.0	80.02	0.10	9,605.7	231.7	-344.3	262.0	12.00	12.00	0.00
9,850.0	83.02	0.10	9,609.4	256.5	-344.3	286.6	12.00	12.00	0.00
9,875.0	86.02	0.10	9,611.8	281.4	-344.2	311.4	12.00	12.00	0.00
9,900.0	89.02	0.10	9,612.9	306.3	-344.2	336.3	12.00	12.00	0.00
9,908.1	90.00	0.10	9,613.0	314.5	-344.2	344.4	12.00	12.00	0.00
10,000.0	90.00	0.10	9,613.0	406.3	-344.0	435.8	0.00	0.00	0.00
10,100.0	90.00	0.10	9,613.0	506.3	-343.8	535.4	0.00	0.00	0.00
10,200.0	90.00	0.10	9,613.0	606.3	-343.7	635.0	0.00	0.00	0.00
10,300.0	90.00	0.10	9,613.0	706.3	-343.5	734.6	0.00	0.00	0.00
10,400.0	90.00	0.10	9,613.0	806.3	-343.3	834.1	0.00	0.00	0.00
10,500.0	90.00	0.10	9,613.0	906.3	-343.1	933.7	0.00	0.00	0.00
10,600.0	90.00	0.10	9,613.0	1,006.3	-343.0	1,033.3	0.00	0.00	0.00
10,700.0	90.00	0.10	9,613.0	1,106.3	-342.8	1,132.8	0.00	0.00	0.00
10,800.0	90.00	0.10	9,613.0	1,206.3	-342.6	1,232.4	0.00	0.00	0.00
10,900.0	90.00	0.10	9,613.0	1,306.3	-342.5	1,332.0	0.00	0.00	0.00
11,000.0	90.00	0.10	9,613.0	1,406.3	-342.3	1,431.6	0.00	0.00	0.00
11,100.0	90.00	0.10	9,613.0	1,506.3	-342.1	1,531.1	0.00	0.00	0.00
11,200.0	90.00	0.10	9,613.0	1,606.3	-341.9	1,630.7	0.00	0.00	0.00
11,300.0	90.00	0.10	9,613.0	1,706.3	-341.8	1,730.3	0.00	0.00	0.00
11,400.0	90.00	0.10	9,613.0	1,806.3	-341.6	1,829.9	0.00	0.00	0.00
11,500.0	90.00	0.10	9,613.0	1,906.3	-341.4	1,929.4	0.00	0.00	0.00
11,600.0	90.00	0.10	9,613.0	2,006.3	-341.2	2,029.0	0.00	0.00	0.00
11,700.0	90.00	0.10	9,613.0	2,106.3	-341.1	2,128.6	0.00	0.00	0.00
11,800.0	90.00	0.10	9,613.0	2,206.3	-340.9	2,228.1	0.00	0.00	0.00
11,900.0	90.00	0.10	9,613.0	2,306.3	-340.7	2,327.7	0.00	0.00	0.00
12,000.0	90.00	0.10	9,613.0	2,406.3	-340.5	2,427.3	0.00	0.00	0.00
12,100.0	90.00	0.10	9,613.0	2,506.3	-340.4	2,526.9	0.00	0.00	0.00
12,200.0	90.00	0.10	9,613.0	2,606.3	-340.2	2,626.4	0.00	0.00	0.00
12,300.0	90.00	0.10	9,613.0	2,706.3	-340.0	2,726.0	0.00	0.00	0.00
12,400.0	90.00	0.10	9,613.0	2,806.3	-339.9	2,825.6	0.00	0.00	0.00
12,500.0	90.00	0.10	9,613.0	2,906.3	-339.7	2,925.1	0.00	0.00	0.00
12,600.0	90.00	0.10	9,613.0	3,006.3	-339.5	3,024.7	0.00	0.00	0.00
12,700.0	90.00	0.10	9,613.0	3,106.3	-339.3	3,124.3	0.00	0.00	0.00
12,800.0	90.00	0.10	9,613.0	3,206.3	-339.2	3,223.9	0.00	0.00	0.00
12,900.0	90.00	0.10	9,613.0	3,306.3	-339.0	3,323.4	0.00	0.00	0.00

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 2958.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 2958.0usft
Site:	Golden Graham 1 State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,000.0	90.00	0.10	9,613.0	3,406.3	-338.8	3,423.0	0.00	0.00	0.00
13,100.0	90.00	0.10	9,613.0	3,506.3	-338.6	3,522.6	0.00	0.00	0.00
13,200.0	90.00	0.10	9,613.0	3,606.3	-338.5	3,622.2	0.00	0.00	0.00
13,300.0	90.00	0.10	9,613.0	3,706.3	-338.3	3,721.7	0.00	0.00	0.00
13,400.0	90.00	0.10	9,613.0	3,806.3	-338.1	3,821.3	0.00	0.00	0.00
13,500.0	90.00	0.10	9,613.0	3,906.3	-337.9	3,920.9	0.00	0.00	0.00
13,600.0	90.00	0.10	9,613.0	4,006.3	-337.8	4,020.4	0.00	0.00	0.00
13,700.0	90.00	0.10	9,613.0	4,106.3	-337.6	4,120.0	0.00	0.00	0.00
13,800.0	90.00	0.10	9,613.0	4,206.3	-337.4	4,219.6	0.00	0.00	0.00
13,900.0	90.00	0.10	9,613.0	4,306.3	-337.3	4,319.2	0.00	0.00	0.00
14,000.0	90.00	0.10	9,613.0	4,406.3	-337.1	4,418.7	0.00	0.00	0.00
14,100.0	90.00	0.10	9,613.0	4,506.3	-336.9	4,518.3	0.00	0.00	0.00
14,200.0	90.00	0.10	9,613.0	4,606.3	-336.7	4,617.9	0.00	0.00	0.00
14,300.0	90.00	0.10	9,613.0	4,706.3	-336.6	4,717.4	0.00	0.00	0.00
14,400.0	90.00	0.10	9,613.0	4,806.3	-336.4	4,817.0	0.00	0.00	0.00
14,500.0	90.00	0.10	9,613.0	4,906.3	-336.2	4,916.6	0.00	0.00	0.00
14,600.0	90.00	0.10	9,613.0	5,006.3	-336.0	5,016.2	0.00	0.00	0.00
14,700.0	90.00	0.10	9,613.0	5,106.3	-335.9	5,115.7	0.00	0.00	0.00
14,800.0	90.00	0.10	9,613.0	5,206.3	-335.7	5,215.3	0.00	0.00	0.00
14,900.0	90.00	0.10	9,613.0	5,306.3	-335.5	5,314.9	0.00	0.00	0.00
15,000.0	90.00	0.10	9,613.0	5,406.3	-335.3	5,414.5	0.00	0.00	0.00
15,100.0	90.00	0.10	9,613.0	5,506.3	-335.2	5,514.0	0.00	0.00	0.00
15,200.0	90.00	0.10	9,613.0	5,606.3	-335.0	5,613.6	0.00	0.00	0.00
15,300.0	90.00	0.10	9,613.0	5,706.3	-334.8	5,713.2	0.00	0.00	0.00
15,400.0	90.00	0.10	9,613.0	5,806.3	-334.7	5,812.7	0.00	0.00	0.00
15,500.0	90.00	0.10	9,613.0	5,906.3	-334.5	5,912.3	0.00	0.00	0.00
15,600.0	90.00	0.10	9,613.0	6,006.3	-334.3	6,011.9	0.00	0.00	0.00
15,700.0	90.00	0.10	9,613.0	6,106.3	-334.1	6,111.5	0.00	0.00	0.00
15,800.0	90.00	0.10	9,613.0	6,206.3	-334.0	6,211.0	0.00	0.00	0.00
15,900.0	90.00	0.10	9,613.0	6,306.3	-333.8	6,310.6	0.00	0.00	0.00
16,000.0	90.00	0.10	9,613.0	6,406.3	-333.6	6,410.2	0.00	0.00	0.00
16,100.0	90.00	0.10	9,613.0	6,506.3	-333.4	6,509.8	0.00	0.00	0.00
16,200.0	90.00	0.10	9,613.0	6,606.3	-333.3	6,609.3	0.00	0.00	0.00
16,300.0	90.00	0.10	9,613.0	6,706.3	-333.1	6,708.9	0.00	0.00	0.00
16,400.0	90.00	0.10	9,613.0	6,806.3	-332.9	6,808.5	0.00	0.00	0.00
16,500.0	90.00	0.10	9,613.0	6,906.3	-332.7	6,908.0	0.00	0.00	0.00
16,600.0	90.00	0.10	9,613.0	7,006.3	-332.6	7,007.6	0.00	0.00	0.00
16,700.0	90.00	0.10	9,613.0	7,106.3	-332.4	7,107.2	0.00	0.00	0.00
16,800.0	90.00	0.10	9,613.0	7,206.3	-332.2	7,206.8	0.00	0.00	0.00
16,900.0	90.00	0.10	9,613.0	7,306.3	-332.0	7,306.3	0.00	0.00	0.00
17,000.0	90.00	0.10	9,613.0	7,406.3	-331.9	7,405.9	0.00	0.00	0.00
17,100.0	90.00	0.10	9,613.0	7,506.3	-331.7	7,505.5	0.00	0.00	0.00
17,200.0	90.00	0.10	9,613.0	7,606.3	-331.5	7,605.0	0.00	0.00	0.00
17,300.0	90.00	0.10	9,613.0	7,706.3	-331.4	7,704.6	0.00	0.00	0.00
17,400.0	90.00	0.10	9,613.0	7,806.3	-331.2	7,804.2	0.00	0.00	0.00
17,500.0	90.00	0.10	9,613.0	7,906.3	-331.0	7,903.8	0.00	0.00	0.00
17,600.0	90.00	0.10	9,613.0	8,006.3	-330.8	8,003.3	0.00	0.00	0.00
17,700.0	90.00	0.10	9,613.0	8,106.3	-330.7	8,102.9	0.00	0.00	0.00
17,800.0	90.00	0.10	9,613.0	8,206.3	-330.5	8,202.5	0.00	0.00	0.00
17,900.0	90.00	0.10	9,613.0	8,306.3	-330.3	8,302.1	0.00	0.00	0.00
18,000.0	90.00	0.10	9,613.0	8,406.3	-330.1	8,401.6	0.00	0.00	0.00
18,100.0	90.00	0.10	9,613.0	8,506.3	-330.0	8,501.2	0.00	0.00	0.00
18,200.0	90.00	0.10	9,613.0	8,606.3	-329.8	8,600.8	0.00	0.00	0.00

eog resources

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 2958.0usft
Project:	Eddy County, NM (NAD 83 NME)	**MD Reference:**	KB = 25 @ 2958.0usft
Site:	Golden Graham 1 State Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,300.0	90.00	0.10	9,613.0	8,706.3	-329.6	8,700.3	0.00	0.00	0.00
18,400.0	90.00	0.10	9,613.0	8,806.3	-329.4	8,799.9	0.00	0.00	0.00
18,500.0	90.00	0.10	9,613.0	8,906.3	-329.3	8,899.5	0.00	0.00	0.00
18,600.0	90.00	0.10	9,613.0	9,006.3	-329.1	8,999.1	0.00	0.00	0.00
18,700.0	90.00	0.10	9,613.0	9,106.3	-328.9	9,098.6	0.00	0.00	0.00
18,800.0	90.00	0.10	9,613.0	9,206.3	-328.8	9,198.2	0.00	0.00	0.00
18,900.0	90.00	0.10	9,613.0	9,306.3	-328.6	9,297.8	0.00	0.00	0.00
19,000.0	90.00	0.10	9,613.0	9,406.3	-328.4	9,397.3	0.00	0.00	0.00
19,100.0	90.00	0.10	9,613.0	9,506.3	-328.2	9,496.9	0.00	0.00	0.00
19,200.0	90.00	0.10	9,613.0	9,606.3	-328.1	9,596.5	0.00	0.00	0.00
19,300.0	90.00	0.10	9,613.0	9,706.3	-327.9	9,696.1	0.00	0.00	0.00
19,400.0	90.00	0.10	9,613.0	9,806.3	-327.7	9,795.6	0.00	0.00	0.00
19,500.0	90.00	0.10	9,613.0	9,906.3	-327.5	9,895.2	0.00	0.00	0.00
19,600.0	90.00	0.10	9,613.0	10,006.3	-327.4	9,994.8	0.00	0.00	0.00
19,700.0	90.00	0.10	9,613.0	10,106.3	-327.2	10,094.4	0.00	0.00	0.00
19,800.0	90.00	0.10	9,613.0	10,206.3	-327.0	10,193.9	0.00	0.00	0.00
19,812.7	90.00	0.10	9,613.0	10,219.0	-327.0	10,206.6	0.00	0.00	0.00
PBHL(GG 1 SC #702H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(GG 1 SC #702H) - plan hits target center - Point	0.00	0.01	9,135.5	-163.0	-345.0	387,322.00	630,771.00	32° 3' 52.197 N	104° 2' 40.651 W
FTP(GG 1 SC #702H) - plan misses target center by 39.3usft at 9721.6usft MD (9577.0 TVD, 132.6 N, -344.5 E) - Point	0.00	0.00	9,613.0	117.0	-345.0	387,602.00	630,771.00	32° 3' 54.968 N	104° 2' 40.642 W
PBHL(GG 1 SC #702H) - plan hits target center - Point	0.00	0.00	9,613.0	10,219.0	-327.0	397,704.00	630,789.00	32° 5' 34.938 N	104° 2' 40.119 W

Eddy County, NM (NAD 83 NME)

Golden Graham 1 State Com #702H

Plan #0.2

Azimuths to Grid North
True North: -0.15°
Magnetic North: 6.86°

Magnetic Field
Strength: 47661.9nT
Dip Angle: 59.82°
Date: 10/11/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.86°
To convert a Magnetic Direction to a True Direction, Add 7.02° East
To convert a True Direction to a Grid Direction, Subtract 0.15°

PROJECT DETAILS: Eddy County, NM (NAD 83 NME)

Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico Eastern Zone
System Datum:	Mean Sea Level

WELL DETAILS: #702H

2933.0
KB = 25 @ 2958.0usft

Northing	Easting	Latittude	Longitude
387485.00	631116.00	32° 3' 53.801 N	104° 2' 36.637 W

SECTION DETAILS

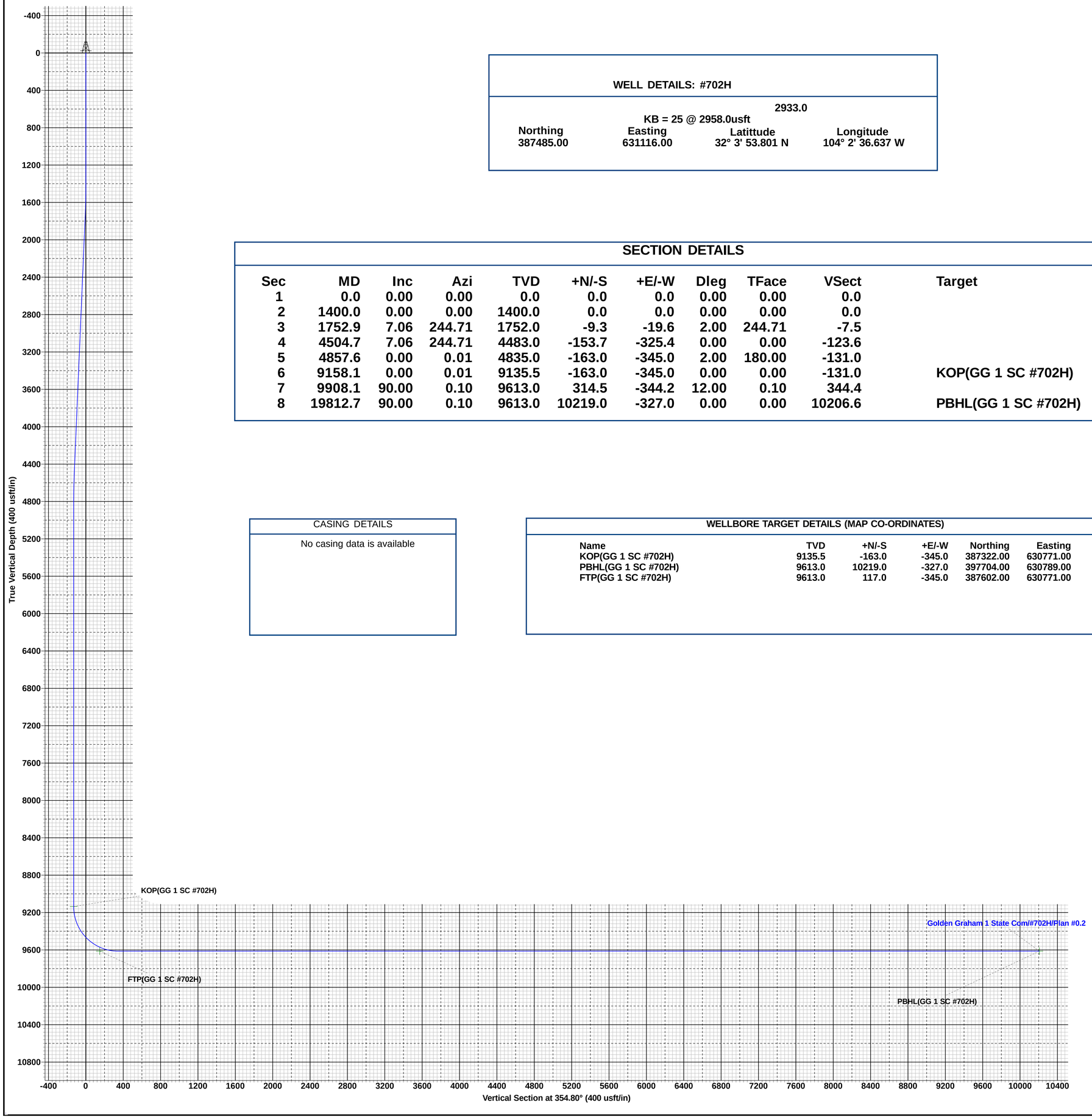
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	1752.9	7.06	244.71	1752.0	-9.3	-19.6	2.00	244.71	-7.5	
4	4504.7	7.06	244.71	4483.0	-153.7	-325.4	0.00	0.00	-123.6	
5	4857.6	0.00	0.01	4835.0	-163.0	-345.0	2.00	180.00	-131.0	
6	9158.1	0.00	0.01	9135.5	-163.0	-345.0	0.00	0.00	-131.0	KOP(GG 1 SC #702H)
7	9908.1	90.00	0.10	9613.0	314.5	-344.2	12.00	0.10	344.4	
8	19812.7	90.00	0.10	9613.0	10219.0	-327.0	0.00	0.00	10206.6	PBHL(GG 1 SC #702H)

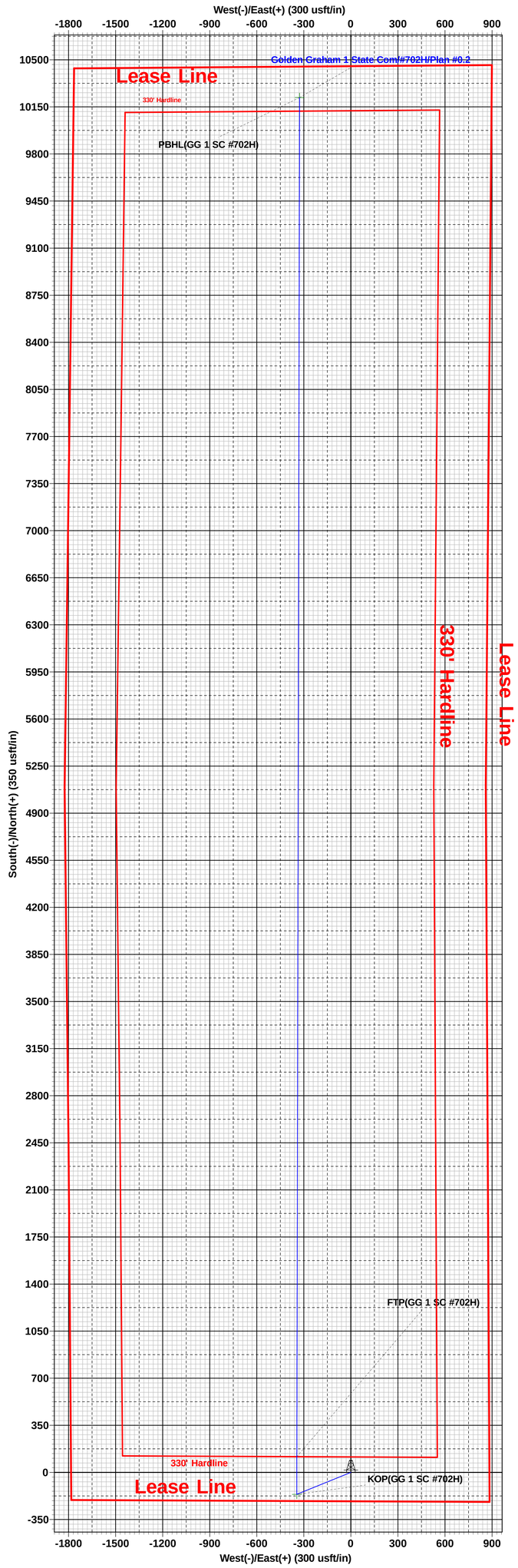
CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(GG 1 SC #702H)	9135.5	-163.0	-345.0	387322.00	630771.00
PBHL(GG 1 SC #702H)	9613.0	10219.0	-327.0	397704.00	630789.00
FTP(GG 1 SC #702H)	9613.0	117.0	-345.0	387602.00	630771.00





Eddy County, NM (NAD 83 NME)
Golden Graham 1 State Com
#702H
OH
Plan #0.2
15:37, May 06 2021

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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

Is this well an infill well? ☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018