U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

02/18/2021

Well Name: THRASHER 33 FED COM	**Well Location:** T24S / R34E / SEC 33 / SWSW /	**County or Parish/State:**
Well Number: 702H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM120363	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number:	**Well Status:** Approved Application for Permit to Drill	**Operator:** EOG RESOURCES INCORPORATED

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Other

Date Sundry Submitted: 02/08/2021

Time Sundry Submitted: 08:58

Date proposed operation will begin: 02/08/2021

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Add plug-back pilot to 13,800’ TVD Adjust casing program to accommodate pilot hole

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Thrasher_33_Fed_Com_702H_Wall_Plot_20210208085751.pdf

Thrasher_33_Fed_Com_702H_Planning_Report_20210208085740.pdf

Thrasher_33_Fed_Com_702H_Permit_Info___Pilot_1.26.2021_20210208085727.pdf

Well Name: THRASHER 33 FED COM

Well Location: T24S / R34E / SEC 33 / SWSW /

County or Parish/State:

Well Number: 702H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM120363

Unit or CA Name:

Unit or CA Number:

US Well Number:

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: HARRELL

Signed on: FEB 08, 2021 08:57 AM

Name: EOG RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: NOT ENTERED

City: NOT ENTERED **State:** NOT ENTERED

Phone: (303) 824-5472

Email address: NOT ENTERED

Field Representative

Representative Name: Star Harrell

Street Address: 5509 CHAMPIONS DRIVE

City: MIDLAND **State:** TX **Zip:** 79706

Phone: (432)848-9161

Email address: Star_Harrell@eogresources.com

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 02/18/2021

Signature: Chris Walls

Revised Permit Information 1/26/2021:

Well Name: Thrasher 33 Fed Com #702H

Location:
SHL: 200' FSL & 660' FWL, Section 33, T-24-S, R-34-E, Lea Co., N.M.
BHL: 1000' FNL & 792' FWL, Section 28, T-24-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF_{min} Collapse	DF_{min} Burst	DF_{min} Tension
12.25"	0' – 1,400'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0' – 12,600'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0' – 11,200'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60
6.75"	11,200'–11,700'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60
6.75"	11,700' – 22,552'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60

Variance is requested to wave the centralizer requirements for the 7-5/8" casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to wave any centralizer requirements for the 5-1/2" casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

EOG requests variance to allow deviation from the 0.422'' annulus clearance requirement from Onshore Order #2 under the following conditions:

- Annular clearance to meet or exceed 0.422'' between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings.
- Annular clearance less than 0.422'' is acceptable for the curve and lateral portions of the production open hole section.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft^3/sk	Slurry Description
1,400' 9-5/8"	370	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% $CaCl_2$ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,200')
12,600' 7-5/8"	580	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 7,650')
	1,270	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
13,800'	300	14.8	1.33	Pilot plug: Class H + 5% Salt + 3% Microbond (TOC @ 12,300')
22,552' 5-1/2"	970	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 11,200')

Additive	Purpose
Bentonite Gel	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
MagOx	Expansive agent
Pre-Mag-M	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

EOG requests variance from minimum standards to pump a two stage cement job on the 7-5/8'' intermediate casing string with the first stage being pumped conventionally with the calculated TOC at the Brushy Canyon 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 (2.30 yld, 12.91 ppg) will be executed as a contingency. Top of cement will be verified by Echo-meter.

EOG will include the final fluid top verified by Echo-meter and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

Mud Program:

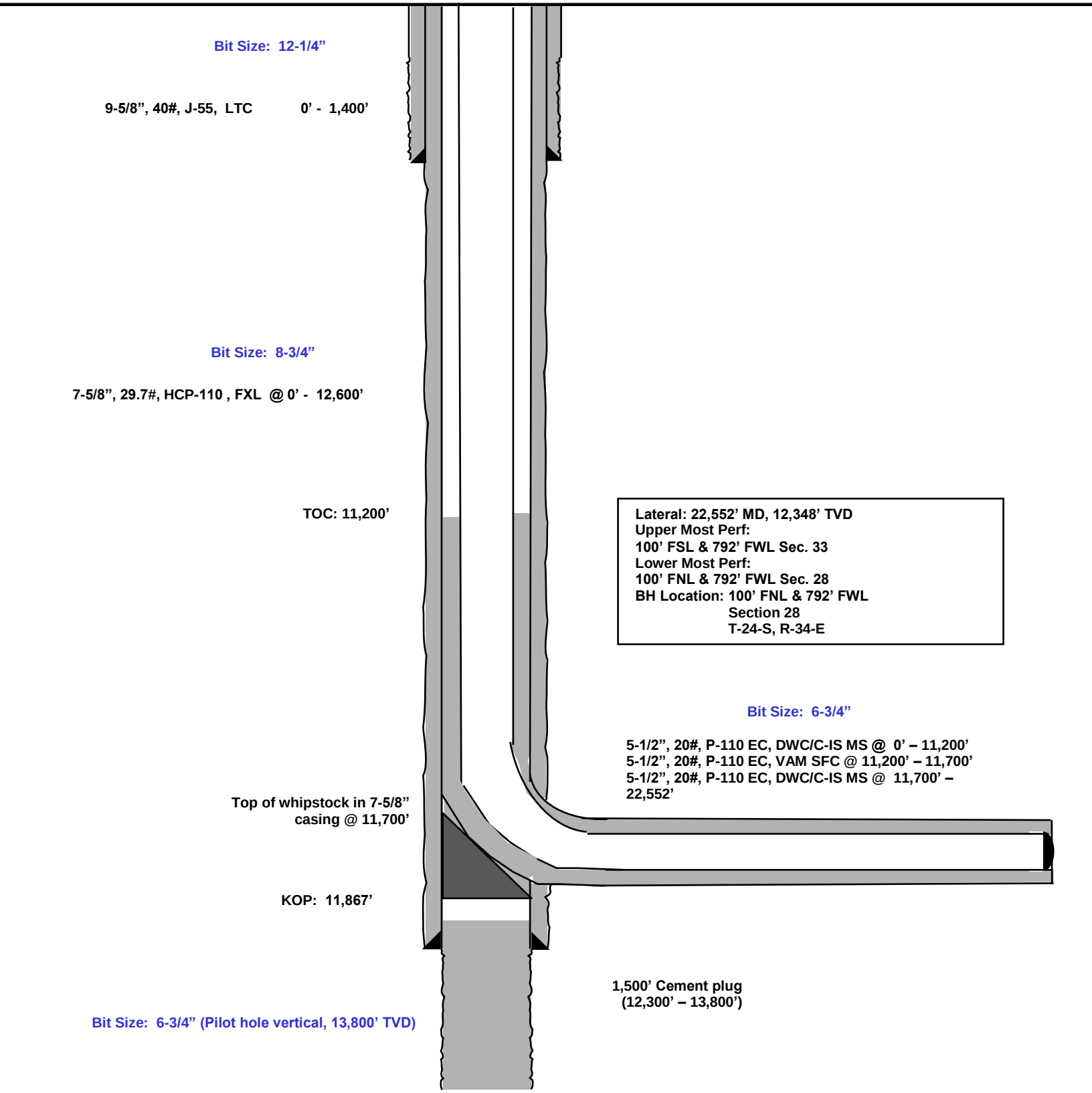
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,400'	Fresh - Gel	8.6-8.8	28-34	N/c
1,400' – 12,600'	Brine	10.0-10.2	28-34	N/c
11,700' – 22,552' Lateral	Oil Base	10.0-14.0	58-68	3 - 6
12,600' – 22,552' Pilot Hole	Oil Base	10.0-14.0	58-68	3 - 6

200’ FSL
660’ FWL
Section 33
T-24-S, R-34-E

Revised Wellbore

API: 30-025-48373

KB: 3,433’
GL: 3,408’



eog resources

Lea County, NM (NAD 83 NME)

Thrasher 33 Fed Com #702H

Plan #0.2

Azimuths to Grid North
True North: -0.45°
Magnetic North: 6.19°

Magnetic Field
Strength: 47668.1nT
Dip Angle: 59.99°
Date: 11/7/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.19°
To convert a Magnetic Direction to a True Direction, Add 6.65° East
To convert a True Direction to a Grid Direction, Subtract 0.45°

PROJECT DETAILS: Lea 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

3408.0
KB = 25' @ 3433.0usft

Northing	Easting	Latittude	Longitude
425654.00	804995.00	32.1673315°N	103.4812551°W

SECTION DETAILS

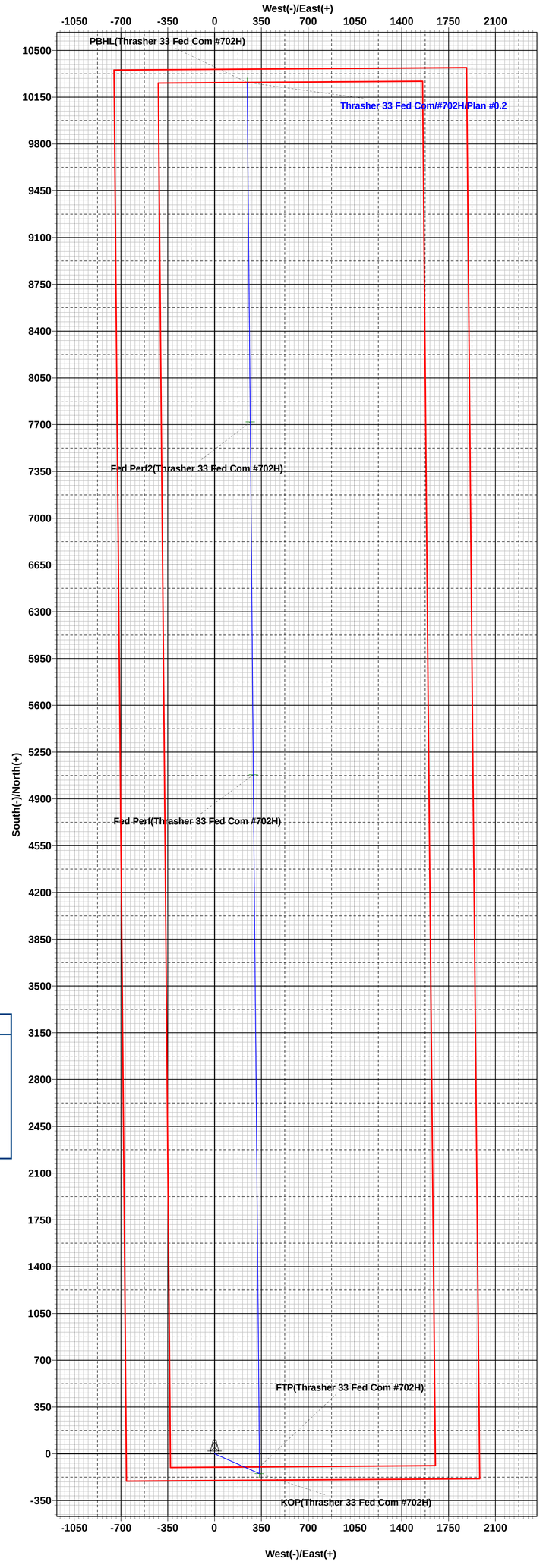
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1942.1	8.84	113.84	1940.3	-13.8	31.1	2.00	113.84	-13.0	
4	3882.0	8.84	113.84	3857.2	-134.2	303.9	0.00	0.00	-127.0	
5	4324.1	0.00	0.00	4297.5	-148.0	335.0	2.00	180.00	-140.0	
6	11897.1	0.00	0.00	11870.5	-148.0	335.0	0.00	0.00	-140.0	KOP(Thrasher 33 Fed Com #702H)
7	12117.5	26.46	0.00	12083.2	-98.0	335.0	12.00	0.00	-90.0	FTP(Thrasher 33 Fed Com #702H)
8	12647.0	90.00	359.49	12347.9	329.5	332.4	12.00	-0.57	337.3	
9	17398.8	90.00	359.49	12348.0	5081.0	290.0	0.00	0.00	5086.5	Fed Perf(Thrasher 33 Fed Com #702H)
10	17399.3	90.00	359.50	12348.0	5081.6	290.0	2.00	86.85	5087.0	
11	20037.9	90.00	359.50	12348.0	7720.0	267.0	0.00	0.00	7724.2	Fed Perf2(Thrasher 33 Fed Com #702H)
12	20038.8	90.00	359.48	12348.0	7721.0	267.0	2.00	-90.00	7725.1	
13	22578.0	90.00	359.48	12348.0	10260.0	244.0	0.00	0.00	10262.9	PBHL(Thrasher 33 Fed Com #702H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Thrasher 33 Fed Com #702H)	11870.5	-148.0	335.0	425506.00	805330.00
FTP(Thrasher 33 Fed Com #702H)	12083.2	-98.0	335.0	425556.00	805330.00
Fed Perf(Thrasher 33 Fed Com #702H)	12348.0	5081.0	290.0	430735.00	805285.00
Fed Perf2(Thrasher 33 Fed Com #702H)	12348.0	7720.0	267.0	433374.00	805262.00
PBHL(Thrasher 33 Fed Com #702H)	12348.0	10260.0	244.0	435914.00	805239.00



Lea County, NM (NAD 83 NME)
Thrasher 33 Fed Com
#702H
OH
Plan #0.2
14:46, January 18 2021

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Thrasher 33 Fed Com
#702H

OH

Plan: Plan #0.2

Standard Planning Report

18 January, 2021

eog resources

EOG Resources
Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3433.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3433.0usft
Site:	Thrasher 33 Fed Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Project Lea 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 Thrasher 33 Fed Com

Site Position:		**Northing:**	425,654.00 usft	**Latitude:**	32.1673322°N
From:	Map	**Easting:**	804,962.00 usft	**Longitude:**	103.4813617°W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.45 °

Well #702H

Well Position	**+N/-S**	0.0 usft	**Northing:**	425,654.00 usft	**Latitude:**	32.1673315°N
	+E/-W	33.0 usft	**Easting:**	804,995.00 usft	**Longitude:**	103.4812551°W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,408.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/7/2019	6.65	59.99	47,668.13382259

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	1.36

Plan Survey Tool Program **Date** 1/18/2021

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,578.0	Plan #0.2 (OH)	MWD	
				OWSG MWD - Standard	

EOG Resources
Planning Report

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Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3433.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3433.0usft
Site:	Thrasher 33 Fed Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,942.1	8.84	113.84	1,940.3	-13.8	31.1	2.00	2.00	0.00	113.84	
3,882.0	8.84	113.84	3,857.2	-134.2	303.9	0.00	0.00	0.00	0.00	
4,324.1	0.00	0.00	4,297.5	-148.0	335.0	2.00	-2.00	0.00	180.00	
11,897.1	0.00	0.00	11,870.5	-148.0	335.0	0.00	0.00	0.00	0.00	KOP(Thrasher 33 Fed
12,117.5	26.46	0.00	12,083.2	-98.0	335.0	12.00	12.00	0.00	0.00	FTP(Thrasher 33 Fed
12,647.0	90.00	359.49	12,347.9	329.5	332.4	12.00	12.00	-0.10	-0.57	
17,398.8	90.00	359.49	12,348.0	5,081.0	290.0	0.00	0.00	0.00	0.00	Fed Perf(Thrasher 33
17,399.3	90.00	359.50	12,348.0	5,081.6	290.0	2.00	0.11	2.00	86.85	
20,037.9	90.00	359.50	12,348.0	7,720.0	267.0	0.00	0.00	0.00	0.00	Fed Perf2(Thrasher 3
20,038.8	90.00	359.48	12,348.0	7,721.0	267.0	2.00	0.00	-2.00	-90.00	
22,578.0	90.00	359.48	12,348.0	10,260.0	244.0	0.00	0.00	0.00	0.00	PBHL(Thrasher 33 Fe

EOG Resources

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3433.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3433.0usft
Site:	Thrasher 33 Fed 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	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	2.00	113.84	1,600.0	-0.7	1.6	-0.7	2.00	2.00	0.00
1,700.0	4.00	113.84	1,699.8	-2.8	6.4	-2.7	2.00	2.00	0.00
1,800.0	6.00	113.84	1,799.5	-6.3	14.4	-6.0	2.00	2.00	0.00
1,900.0	8.00	113.84	1,898.7	-11.3	25.5	-10.7	2.00	2.00	0.00
1,942.1	8.84	113.84	1,940.3	-13.8	31.1	-13.0	2.00	2.00	0.00
2,000.0	8.84	113.84	1,997.6	-17.4	39.3	-16.4	0.00	0.00	0.00
2,100.0	8.84	113.84	2,096.4	-23.6	53.3	-22.3	0.00	0.00	0.00
2,200.0	8.84	113.84	2,195.2	-29.8	67.4	-28.2	0.00	0.00	0.00
2,300.0	8.84	113.84	2,294.0	-36.0	81.5	-34.0	0.00	0.00	0.00
2,400.0	8.84	113.84	2,392.8	-42.2	95.5	-39.9	0.00	0.00	0.00
2,500.0	8.84	113.84	2,491.6	-48.4	109.6	-45.8	0.00	0.00	0.00
2,600.0	8.84	113.84	2,590.4	-54.6	123.6	-51.7	0.00	0.00	0.00
2,700.0	8.84	113.84	2,689.2	-60.8	137.7	-57.5	0.00	0.00	0.00
2,800.0	8.84	113.84	2,788.1	-67.0	151.8	-63.4	0.00	0.00	0.00
2,900.0	8.84	113.84	2,886.9	-73.3	165.8	-69.3	0.00	0.00	0.00
3,000.0	8.84	113.84	2,985.7	-79.5	179.9	-75.2	0.00	0.00	0.00
3,100.0	8.84	113.84	3,084.5	-85.7	193.9	-81.0	0.00	0.00	0.00
3,200.0	8.84	113.84	3,183.3	-91.9	208.0	-86.9	0.00	0.00	0.00
3,300.0	8.84	113.84	3,282.1	-98.1	222.0	-92.8	0.00	0.00	0.00
3,400.0	8.84	113.84	3,380.9	-104.3	236.1	-98.7	0.00	0.00	0.00
3,500.0	8.84	113.84	3,479.7	-110.5	250.2	-104.5	0.00	0.00	0.00
3,600.0	8.84	113.84	3,578.5	-116.7	264.2	-110.4	0.00	0.00	0.00
3,700.0	8.84	113.84	3,677.4	-122.9	278.3	-116.3	0.00	0.00	0.00
3,800.0	8.84	113.84	3,776.2	-129.2	292.3	-122.2	0.00	0.00	0.00
3,882.0	8.84	113.84	3,857.2	-134.2	303.9	-127.0	0.00	0.00	0.00
3,900.0	8.48	113.84	3,875.0	-135.3	306.3	-128.0	2.00	-2.00	0.00
4,000.0	6.48	113.84	3,974.1	-140.6	318.3	-133.0	2.00	-2.00	0.00
4,100.0	4.48	113.84	4,073.7	-144.5	327.0	-136.6	2.00	-2.00	0.00
4,200.0	2.48	113.84	4,173.5	-146.9	332.5	-139.0	2.00	-2.00	0.00
4,300.0	0.48	113.84	4,273.4	-148.0	334.9	-140.0	2.00	-2.00	0.00
4,324.1	0.00	0.00	4,297.5	-148.0	335.0	-140.0	2.00	-2.00	0.00
4,400.0	0.00	0.00	4,373.4	-148.0	335.0	-140.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,473.4	-148.0	335.0	-140.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,573.4	-148.0	335.0	-140.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,673.4	-148.0	335.0	-140.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,773.4	-148.0	335.0	-140.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,873.4	-148.0	335.0	-140.0	0.00	0.00	0.00
5,000.0	0.00	0.00	4,973.4	-148.0	335.0	-140.0	0.00	0.00	0.00

EOG Resources

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3433.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3433.0usft
Site:	Thrasher 33 Fed 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	5,073.4	-148.0	335.0	-140.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,173.4	-148.0	335.0	-140.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,273.4	-148.0	335.0	-140.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,373.4	-148.0	335.0	-140.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,473.4	-148.0	335.0	-140.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,573.4	-148.0	335.0	-140.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,673.4	-148.0	335.0	-140.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,773.4	-148.0	335.0	-140.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,873.4	-148.0	335.0	-140.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,973.4	-148.0	335.0	-140.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,073.4	-148.0	335.0	-140.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,173.4	-148.0	335.0	-140.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,273.4	-148.0	335.0	-140.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,373.4	-148.0	335.0	-140.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,473.4	-148.0	335.0	-140.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,573.4	-148.0	335.0	-140.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,673.4	-148.0	335.0	-140.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,773.4	-148.0	335.0	-140.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,873.4	-148.0	335.0	-140.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,973.4	-148.0	335.0	-140.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,073.4	-148.0	335.0	-140.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,173.4	-148.0	335.0	-140.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,273.4	-148.0	335.0	-140.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,373.4	-148.0	335.0	-140.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,473.4	-148.0	335.0	-140.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,573.4	-148.0	335.0	-140.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,673.4	-148.0	335.0	-140.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,773.4	-148.0	335.0	-140.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,873.4	-148.0	335.0	-140.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,973.4	-148.0	335.0	-140.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,073.4	-148.0	335.0	-140.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,173.4	-148.0	335.0	-140.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,273.4	-148.0	335.0	-140.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,373.4	-148.0	335.0	-140.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,473.4	-148.0	335.0	-140.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,573.4	-148.0	335.0	-140.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,673.4	-148.0	335.0	-140.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,773.4	-148.0	335.0	-140.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,873.4	-148.0	335.0	-140.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,973.4	-148.0	335.0	-140.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,073.4	-148.0	335.0	-140.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,173.4	-148.0	335.0	-140.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,273.4	-148.0	335.0	-140.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,373.4	-148.0	335.0	-140.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,473.4	-148.0	335.0	-140.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,573.4	-148.0	335.0	-140.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,673.4	-148.0	335.0	-140.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,773.4	-148.0	335.0	-140.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,873.4	-148.0	335.0	-140.0	0.00	0.00	0.00
10,000.0	0.00	0.00	9,973.4	-148.0	335.0	-140.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,073.4	-148.0	335.0	-140.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,173.4	-148.0	335.0	-140.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,273.4	-148.0	335.0	-140.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,373.4	-148.0	335.0	-140.0	0.00	0.00	0.00

EOG Resources

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3433.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3433.0usft
Site:	Thrasher 33 Fed 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)
10,500.0	0.00	0.00	10,473.4	-148.0	335.0	-140.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,573.4	-148.0	335.0	-140.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,673.4	-148.0	335.0	-140.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,773.4	-148.0	335.0	-140.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,873.4	-148.0	335.0	-140.0	0.00	0.00	0.00
11,000.0	0.00	0.00	10,973.4	-148.0	335.0	-140.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,073.4	-148.0	335.0	-140.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,173.4	-148.0	335.0	-140.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,273.4	-148.0	335.0	-140.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,373.4	-148.0	335.0	-140.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,473.4	-148.0	335.0	-140.0	0.00	0.00	0.00
11,600.0	0.00	0.00	11,573.4	-148.0	335.0	-140.0	0.00	0.00	0.00
11,700.0	0.00	0.00	11,673.4	-148.0	335.0	-140.0	0.00	0.00	0.00
11,800.0	0.00	0.00	11,773.4	-148.0	335.0	-140.0	0.00	0.00	0.00
11,897.1	0.00	0.00	11,870.5	-148.0	335.0	-140.0	0.00	0.00	0.00
11,900.0	0.35	0.00	11,873.4	-148.0	335.0	-140.0	12.00	12.00	0.00
11,925.0	3.35	0.00	11,898.4	-147.2	335.0	-139.2	12.00	12.00	0.00
11,950.0	6.35	0.00	11,923.3	-145.1	335.0	-137.1	12.00	12.00	0.00
11,975.0	9.35	0.00	11,948.1	-141.7	335.0	-133.6	12.00	12.00	0.00
12,000.0	12.35	0.00	11,972.6	-136.9	335.0	-128.9	12.00	12.00	0.00
12,025.0	15.36	0.00	11,996.9	-131.0	335.0	-123.0	12.00	12.00	0.00
12,050.0	18.36	0.00	12,020.8	-123.7	335.0	-115.7	12.00	12.00	0.00
12,075.0	21.36	0.00	12,044.4	-115.2	335.0	-107.2	12.00	12.00	0.00
12,100.0	24.36	0.00	12,067.4	-105.5	335.0	-97.5	12.00	12.00	0.00
12,117.5	26.46	0.00	12,083.2	-98.0	335.0	-90.0	12.00	12.00	0.00
12,125.0	27.36	359.98	12,089.9	-94.6	335.0	-86.6	12.00	12.00	-0.26
12,150.0	30.36	359.92	12,111.8	-82.5	335.0	-74.6	12.00	12.00	-0.23
12,175.0	33.36	359.88	12,133.0	-69.4	335.0	-61.4	12.00	12.00	-0.19
12,200.0	36.36	359.83	12,153.5	-55.1	334.9	-47.1	12.00	12.00	-0.16
12,225.0	39.36	359.80	12,173.3	-39.7	334.9	-31.8	12.00	12.00	-0.14
12,250.0	42.36	359.77	12,192.2	-23.4	334.8	-15.4	12.00	12.00	-0.12
12,275.0	45.36	359.74	12,210.2	-6.1	334.7	1.9	12.00	12.00	-0.11
12,300.0	48.36	359.72	12,227.3	12.2	334.7	20.1	12.00	12.00	-0.10
12,325.0	51.36	359.69	12,243.4	31.3	334.6	39.2	12.00	12.00	-0.09
12,350.0	54.36	359.67	12,258.5	51.2	334.4	59.2	12.00	12.00	-0.08
12,375.0	57.36	359.65	12,272.5	71.9	334.3	79.8	12.00	12.00	-0.08
12,400.0	60.36	359.63	12,285.5	93.3	334.2	101.2	12.00	12.00	-0.07
12,425.0	63.36	359.62	12,297.2	115.3	334.0	123.3	12.00	12.00	-0.07
12,450.0	66.36	359.60	12,307.9	138.0	333.9	145.9	12.00	12.00	-0.06
12,475.0	69.36	359.58	12,317.3	161.1	333.7	169.0	12.00	12.00	-0.06
12,500.0	72.36	359.57	12,325.5	184.7	333.6	192.6	12.00	12.00	-0.06
12,525.0	75.36	359.56	12,332.4	208.7	333.4	216.6	12.00	12.00	-0.06
12,550.0	78.36	359.54	12,338.1	233.1	333.2	240.9	12.00	12.00	-0.06
12,575.0	81.36	359.53	12,342.5	257.7	333.0	265.5	12.00	12.00	-0.05
12,600.0	84.36	359.51	12,345.6	282.5	332.8	290.3	12.00	12.00	-0.05
12,625.0	87.36	359.50	12,347.4	307.4	332.6	315.2	12.00	12.00	-0.05
12,647.0	90.00	359.49	12,347.9	329.5	332.4	337.3	12.00	12.00	-0.05
12,700.0	90.00	359.49	12,347.9	382.4	331.9	390.2	0.00	0.00	0.00
12,800.0	90.00	359.49	12,347.9	482.4	331.0	490.1	0.00	0.00	0.00
12,900.0	90.00	359.49	12,348.0	582.4	330.1	590.1	0.00	0.00	0.00
13,000.0	90.00	359.49	12,348.0	682.4	329.2	690.0	0.00	0.00	0.00
13,100.0	90.00	359.49	12,348.0	782.4	328.3	790.0	0.00	0.00	0.00
13,200.0	90.00	359.49	12,348.0	882.4	327.4	889.9	0.00	0.00	0.00
13,300.0	90.00	359.49	12,348.0	982.4	326.5	989.9	0.00	0.00	0.00

EOG Resources

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3433.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3433.0usft
Site:	Thrasher 33 Fed 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)
13,400.0	90.00	359.49	12,348.0	1,082.4	325.7	1,089.8	0.00	0.00	0.00
13,500.0	90.00	359.49	12,348.0	1,182.4	324.8	1,189.8	0.00	0.00	0.00
13,600.0	90.00	359.49	12,348.0	1,282.4	323.9	1,289.7	0.00	0.00	0.00
13,700.0	90.00	359.49	12,348.0	1,382.4	323.0	1,389.7	0.00	0.00	0.00
13,800.0	90.00	359.49	12,348.0	1,482.4	322.1	1,489.6	0.00	0.00	0.00
13,900.0	90.00	359.49	12,348.0	1,582.4	321.2	1,589.6	0.00	0.00	0.00
14,000.0	90.00	359.49	12,348.0	1,682.4	320.3	1,689.5	0.00	0.00	0.00
14,100.0	90.00	359.49	12,348.0	1,782.4	319.4	1,789.4	0.00	0.00	0.00
14,200.0	90.00	359.49	12,348.0	1,882.4	318.5	1,889.4	0.00	0.00	0.00
14,300.0	90.00	359.49	12,348.0	1,982.4	317.6	1,989.3	0.00	0.00	0.00
14,400.0	90.00	359.49	12,348.0	2,082.3	316.7	2,089.3	0.00	0.00	0.00
14,500.0	90.00	359.49	12,348.0	2,182.3	315.8	2,189.2	0.00	0.00	0.00
14,600.0	90.00	359.49	12,348.0	2,282.3	315.0	2,289.2	0.00	0.00	0.00
14,700.0	90.00	359.49	12,348.0	2,382.3	314.1	2,389.1	0.00	0.00	0.00
14,800.0	90.00	359.49	12,348.0	2,482.3	313.2	2,489.1	0.00	0.00	0.00
14,900.0	90.00	359.49	12,348.0	2,582.3	312.3	2,589.0	0.00	0.00	0.00
15,000.0	90.00	359.49	12,348.0	2,682.3	311.4	2,689.0	0.00	0.00	0.00
15,100.0	90.00	359.49	12,348.0	2,782.3	310.5	2,788.9	0.00	0.00	0.00
15,200.0	90.00	359.49	12,348.0	2,882.3	309.6	2,888.9	0.00	0.00	0.00
15,300.0	90.00	359.49	12,348.0	2,982.3	308.7	2,988.8	0.00	0.00	0.00
15,400.0	90.00	359.49	12,348.0	3,082.3	307.8	3,088.8	0.00	0.00	0.00
15,500.0	90.00	359.49	12,348.0	3,182.3	306.9	3,188.7	0.00	0.00	0.00
15,600.0	90.00	359.49	12,348.0	3,282.3	306.0	3,288.6	0.00	0.00	0.00
15,700.0	90.00	359.49	12,348.0	3,382.3	305.1	3,388.6	0.00	0.00	0.00
15,800.0	90.00	359.49	12,348.0	3,482.3	304.3	3,488.5	0.00	0.00	0.00
15,900.0	90.00	359.49	12,348.0	3,582.3	303.4	3,588.5	0.00	0.00	0.00
16,000.0	90.00	359.49	12,348.0	3,682.3	302.5	3,688.4	0.00	0.00	0.00
16,100.0	90.00	359.49	12,348.0	3,782.3	301.6	3,788.4	0.00	0.00	0.00
16,200.0	90.00	359.49	12,348.0	3,882.3	300.7	3,888.3	0.00	0.00	0.00
16,300.0	90.00	359.49	12,348.0	3,982.3	299.8	3,988.3	0.00	0.00	0.00
16,400.0	90.00	359.49	12,348.0	4,082.3	298.9	4,088.2	0.00	0.00	0.00
16,500.0	90.00	359.49	12,348.0	4,182.3	298.0	4,188.2	0.00	0.00	0.00
16,600.0	90.00	359.49	12,348.0	4,282.3	297.1	4,288.1	0.00	0.00	0.00
16,700.0	90.00	359.49	12,348.0	4,382.3	296.2	4,388.1	0.00	0.00	0.00
16,800.0	90.00	359.49	12,348.0	4,482.3	295.3	4,488.0	0.00	0.00	0.00
16,900.0	90.00	359.49	12,348.0	4,582.2	294.4	4,588.0	0.00	0.00	0.00
17,000.0	90.00	359.49	12,348.0	4,682.2	293.6	4,687.9	0.00	0.00	0.00
17,100.0	90.00	359.49	12,348.0	4,782.2	292.7	4,787.8	0.00	0.00	0.00
17,200.0	90.00	359.49	12,348.0	4,882.2	291.8	4,887.8	0.00	0.00	0.00
17,300.0	90.00	359.49	12,348.0	4,982.2	290.9	4,987.7	0.00	0.00	0.00
17,398.8	90.00	359.49	12,348.0	5,081.0	290.0	5,086.5	0.00	0.00	0.00
17,399.3	90.00	359.50	12,348.0	5,081.6	290.0	5,087.0	2.00	0.11	2.00
17,500.0	90.00	359.50	12,348.0	5,182.2	289.1	5,187.6	0.00	0.00	0.00
17,600.0	90.00	359.50	12,348.0	5,282.2	288.2	5,287.6	0.00	0.00	0.00
17,700.0	90.00	359.50	12,348.0	5,382.2	287.4	5,387.5	0.00	0.00	0.00
17,800.0	90.00	359.50	12,348.0	5,482.2	286.5	5,487.5	0.00	0.00	0.00
17,900.0	90.00	359.50	12,348.0	5,582.2	285.6	5,587.4	0.00	0.00	0.00
18,000.0	90.00	359.50	12,348.0	5,682.2	284.8	5,687.4	0.00	0.00	0.00
18,100.0	90.00	359.50	12,348.0	5,782.2	283.9	5,787.3	0.00	0.00	0.00
18,200.0	90.00	359.50	12,348.0	5,882.2	283.0	5,887.3	0.00	0.00	0.00
18,300.0	90.00	359.50	12,348.0	5,982.2	282.1	5,987.2	0.00	0.00	0.00
18,400.0	90.00	359.50	12,348.0	6,082.2	281.3	6,087.2	0.00	0.00	0.00
18,500.0	90.00	359.50	12,348.0	6,182.2	280.4	6,187.1	0.00	0.00	0.00
18,600.0	90.00	359.50	12,348.0	6,282.2	279.5	6,287.1	0.00	0.00	0.00

eog resources

EOG Resources

Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3433.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3433.0usft
Site:	Thrasher 33 Fed 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)
18,700.0	90.00	359.50	12,348.0	6,382.2	278.7	6,387.0	0.00	0.00	0.00
18,800.0	90.00	359.50	12,348.0	6,482.2	277.8	6,486.9	0.00	0.00	0.00
18,900.0	90.00	359.50	12,348.0	6,582.2	276.9	6,586.9	0.00	0.00	0.00
19,000.0	90.00	359.50	12,348.0	6,682.2	276.0	6,686.8	0.00	0.00	0.00
19,100.0	90.00	359.50	12,348.0	6,782.2	275.2	6,786.8	0.00	0.00	0.00
19,200.0	90.00	359.50	12,348.0	6,882.2	274.3	6,886.7	0.00	0.00	0.00
19,300.0	90.00	359.50	12,348.0	6,982.2	273.4	6,986.7	0.00	0.00	0.00
19,400.0	90.00	359.50	12,348.0	7,082.2	272.6	7,086.6	0.00	0.00	0.00
19,500.0	90.00	359.50	12,348.0	7,182.1	271.7	7,186.6	0.00	0.00	0.00
19,600.0	90.00	359.50	12,348.0	7,282.1	270.8	7,286.5	0.00	0.00	0.00
19,700.0	90.00	359.50	12,348.0	7,382.1	269.9	7,386.5	0.00	0.00	0.00
19,800.0	90.00	359.50	12,348.0	7,482.1	269.1	7,486.4	0.00	0.00	0.00
19,900.0	90.00	359.50	12,348.0	7,582.1	268.2	7,586.4	0.00	0.00	0.00
20,000.0	90.00	359.50	12,348.0	7,682.1	267.3	7,686.3	0.00	0.00	0.00
20,037.9	90.00	359.50	12,348.0	7,720.0	267.0	7,724.2	0.00	0.00	0.00
20,038.8	90.00	359.48	12,348.0	7,721.0	267.0	7,725.1	2.00	0.00	-2.00
20,100.0	90.00	359.48	12,348.0	7,782.1	266.4	7,786.3	0.00	0.00	0.00
20,200.0	90.00	359.48	12,348.0	7,882.1	265.5	7,886.2	0.00	0.00	0.00
20,300.0	90.00	359.48	12,348.0	7,982.1	264.6	7,986.2	0.00	0.00	0.00
20,400.0	90.00	359.48	12,348.0	8,082.1	263.7	8,086.1	0.00	0.00	0.00
20,500.0	90.00	359.48	12,348.0	8,182.1	262.8	8,186.0	0.00	0.00	0.00
20,600.0	90.00	359.48	12,348.0	8,282.1	261.9	8,286.0	0.00	0.00	0.00
20,700.0	90.00	359.48	12,348.0	8,382.1	261.0	8,385.9	0.00	0.00	0.00
20,800.0	90.00	359.48	12,348.0	8,482.1	260.1	8,485.9	0.00	0.00	0.00
20,900.0	90.00	359.48	12,348.0	8,582.1	259.2	8,585.8	0.00	0.00	0.00
21,000.0	90.00	359.48	12,348.0	8,682.1	258.3	8,685.8	0.00	0.00	0.00
21,100.0	90.00	359.48	12,348.0	8,782.1	257.4	8,785.7	0.00	0.00	0.00
21,200.0	90.00	359.48	12,348.0	8,882.1	256.5	8,885.7	0.00	0.00	0.00
21,300.0	90.00	359.48	12,348.0	8,982.1	255.6	8,985.6	0.00	0.00	0.00
21,400.0	90.00	359.48	12,348.0	9,082.1	254.7	9,085.6	0.00	0.00	0.00
21,500.0	90.00	359.48	12,348.0	9,182.1	253.8	9,185.5	0.00	0.00	0.00
21,600.0	90.00	359.48	12,348.0	9,282.1	252.9	9,285.5	0.00	0.00	0.00
21,700.0	90.00	359.48	12,348.0	9,382.1	251.9	9,385.4	0.00	0.00	0.00
21,800.0	90.00	359.48	12,348.0	9,482.1	251.0	9,485.3	0.00	0.00	0.00
21,900.0	90.00	359.48	12,348.0	9,582.1	250.1	9,585.3	0.00	0.00	0.00
22,000.0	90.00	359.48	12,348.0	9,682.0	249.2	9,685.2	0.00	0.00	0.00
22,100.0	90.00	359.48	12,348.0	9,782.0	248.3	9,785.2	0.00	0.00	0.00
22,200.0	90.00	359.48	12,348.0	9,882.0	247.4	9,885.1	0.00	0.00	0.00
22,300.0	90.00	359.48	12,348.0	9,982.0	246.5	9,985.1	0.00	0.00	0.00
22,400.0	90.00	359.48	12,348.0	10,082.0	245.6	10,085.0	0.00	0.00	0.00
22,500.0	90.00	359.48	12,348.0	10,182.0	244.7	10,185.0	0.00	0.00	0.00
22,578.0	90.00	359.48	12,348.0	10,260.0	244.0	10,262.9	0.00	0.00	0.00

EOG Resources
Planning Report

Database:	EDM	**Local Co-ordinate Reference:**	Well #702H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3433.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3433.0usft
Site:	Thrasher 33 Fed Com	**North Reference:**	Grid
Well:	#702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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(Thrasher 33 Fed C - plan hits target center - Point	0.00	0.00	11,870.5	-148.0	335.0	425,506.00	805,330.00	32.1669174°N	103.4801763°W
FTP(Thrasher 33 Fed C - plan hits target center - Point	0.00	0.00	12,083.2	-98.0	335.0	425,556.00	805,330.00	32.1670549°N	103.4801751°W
Fed Perf(Thrasher 33 Fe - plan hits target center - Point	0.00	0.00	12,348.0	5,081.0	290.0	430,735.00	805,285.00	32.1812910°N	103.4801878°W
Fed Perf2(Thrasher 33 F - plan hits target center - Point	0.00	0.00	12,348.0	7,720.0	267.0	433,374.00	805,262.00	32.1885451°N	103.4801945°W
PBHL(Thrasher 33 Fed (- plan hits target center - Point	0.00	0.00	12,348.0	10,260.0	244.0	435,914.00	805,239.00	32.1955271°N	103.4802037°W

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District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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

CONDITIONS

Action 18308

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
EOG RESOURCES INC P.O. Box 2267 Midland, TX79702	7377	18308	C-103A

OCD Reviewer	Condition
pkautz	None