District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & *Natural* Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702	7377
	[3] Reason for Filing Code/ Effective Date NW 02/20/2021

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 025-46854	BOBCAT DRAW; UPPER WOLFCAMP	98094

[7] Property Code	[8] Property Name	[9] Well Number
326767	LAKEWOOD 28 FEDERAL COM	709H

II. [10] 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	28	25S	34E		200	SOUTH	2310	WEST	LEA

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	25S	34E		108	NORTH	2317	EAST	LEA

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
	FLOWING				

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
372812	EOGRM	OIL
151618	ENTERPRISE FIELD SERVICES	GAS
298751	REGENCY FIELD SERVICES	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
10/01/2020	02/20/2021	22850'	22811'	12680-22811'	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
12 1/4	9 5/8"	1005'	430 SXS CL C/CIRC
8 3/4"	7 5/8"	11,982'	1441 SXS CL C&H/CIRC TOC 61'
6 3/4"	5 1/2"	22,820'	1010 SXS CL H TOC 5130' CBL

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
02/20/2021	02/20/2021	03/01/2021	24 HRS		2325
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
52	3359	9010	5255		

[42] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Kay Maddox

Printed name: Kay Maddox

Title: SENIOR REGULATORY SPECIALIST

E-mail Address: kay_maddox@eogresources.com

Date: 03/16/2021 Phone: 432-638-8475

OIL CONSERVATION DIVISION

Approved by: KURT SIMMONS

Title: NMOCD, SANTA FE

Approval Date: 06/15/2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-025-46854	98094	BOBCAT DRAW; UPPER WOLFCAMP

[4]Property Code	[5]Property Name	[6]Well Number
326767	LAKEWOOD 28 FED COM	#709H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3315'

[10]Surface Location

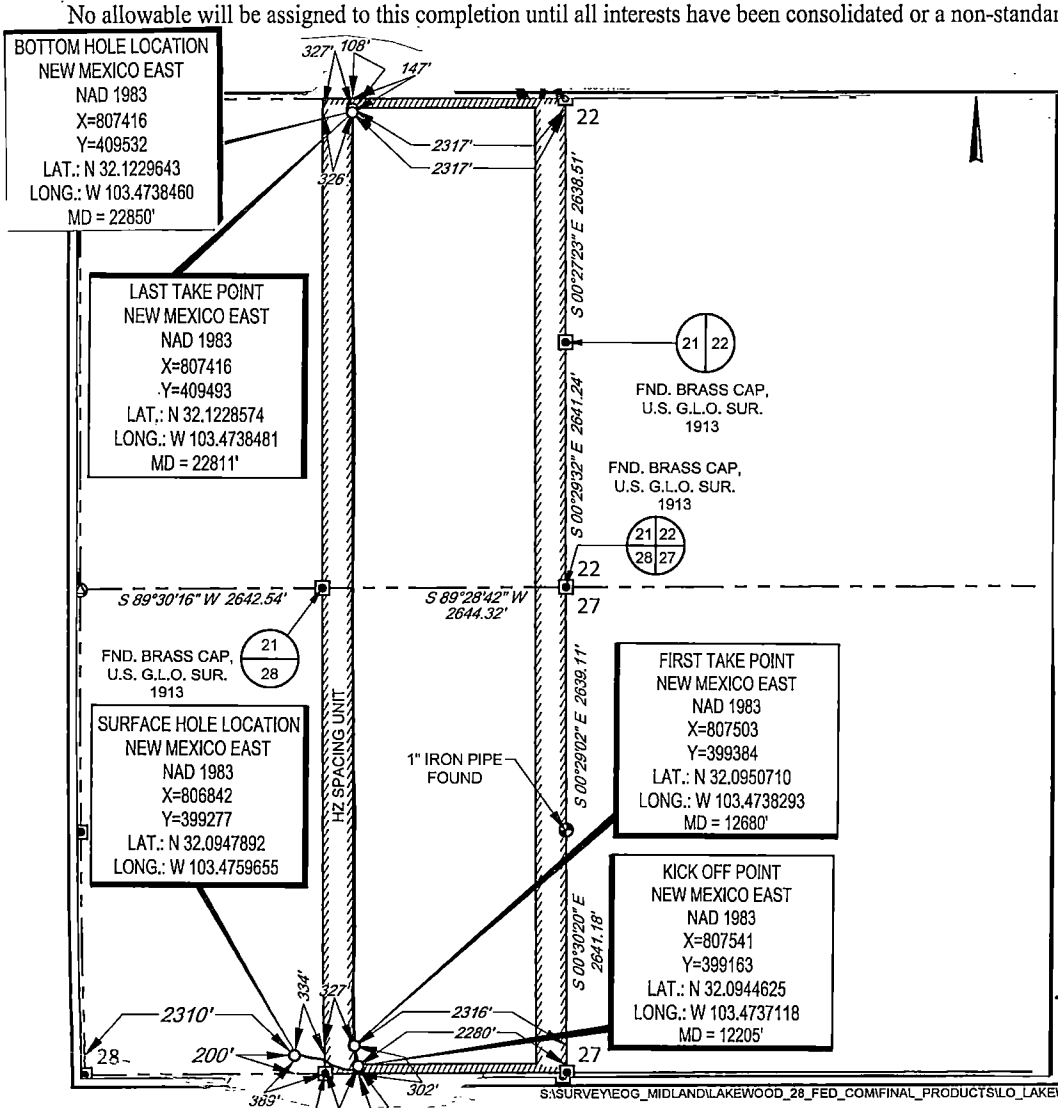
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	28	25-S	34-E	–	200'	SOUTH	2310'	WEST	LEA

[11]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
B	21	25-S	34-E	–	108'	NORTH	2317'	WEST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]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.



[17]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 a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kay Maddox 03/12/2021
Signature Date

KAY MADDOX
Printed Name

kay_maddox@eogresources.com
E-mail Address

[18]SURVEYOR CERTIFICATION

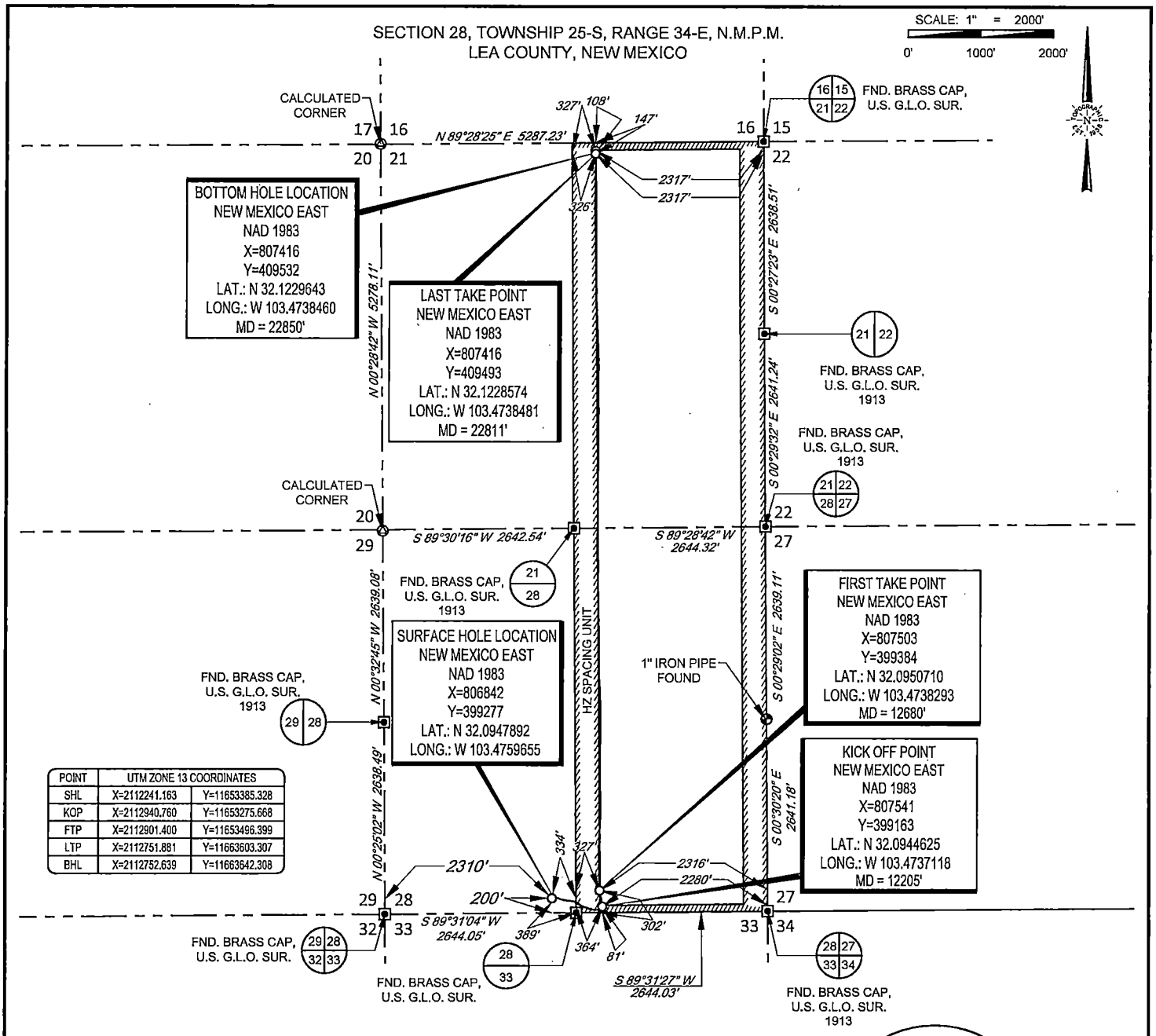
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

06/07/2018
Date of Survey
Signature and Seal of Professional Surveyor

MICHAEL BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\EOG_MIDLAND\LAKEWOOD_28_FED_COM\FINAL_PRODUCTS\LO_LAKEWOOD_28_FED_COM_709H_REV2.DWG 11/15/2018 3:04:38 PM kanthony



POINT	UTM ZONE 13 COORDINATES	
SHL	X=2112241.163	Y=11653385.328
KOP	X=2112940.760	Y=11653275.668
FTP	X=2112901.400	Y=11653496.399
LTP	X=2112751.881	Y=11663603.307
BHL	X=2112752.639	Y=11663642.308

LEASE NAME & WELL NO.: LAKEWOOD FED COM 709H

SECTION 28 TWP 25-S RGE 34-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3315'

DESCRIPTION 200' FSL & 2310' FWL

RAMON A. DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

Ramon A. Dominguez, P.S. No. 24508
FEBRUARY 4, 2021

eog resources, inc.

LAKEWOOD FED COM 709H AS-COMPLETED	REVISION:	
DATE: 02/03/2021		
FILE: AD_LAKEWOOD_28_FED_COM_709H		
DRAWN BY: EAH		
SHEET: 1 OF 1		

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

S:\SURVEY\EOG_MIDLAND\LAKEWOOD_28_FED_COM\FINAL_PRODUCTS\AD_LAKEWOOD_28_FED_COM_709H.DWG 2/4/2021 8:11:03 AM bgregory

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Lakewood 28 Fed Com
#709H
OH

Design: OH

Midland PVA

20 November, 2020

EOG Resources
Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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 Lakewood 28 Fed Com

Site Position:		**Northing:**	399,297.00 usft	**Latitude:**	32° 5' 41.246 N
From:	Map	**Easting:**	809,336.00 usft	**Longitude:**	103° 28' 4.482 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.46 °

Well #709H

Well Position	**+N/-S**	0.0 usft	**Northing:**	399,277.00 usft	**Latitude:**	32° 5' 41.245 N
	+E/-W	0.0 usft	**Easting:**	806,842.00 usft	**Longitude:**	103° 28' 33.474 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,315.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/11/2020	6.56	59.82	47,489.41269420

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	3.24

Survey Program **Date** 11/20/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
185.0	22,850.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
185.0	1.67	353.77	185.0	2.7	-0.3	0.90	0.90	0.00	-2.7	0.0
213.0	1.49	347.62	213.0	3.4	-0.4	0.88	-0.64	-21.96	-3.5	-0.3
301.0	1.49	345.95	300.9	5.7	-0.9	0.05	0.00	-1.90	-5.7	-0.5
390.0	1.32	339.10	389.9	7.7	-1.6	0.27	-0.19	-7.70	-7.8	-1.3
573.0	1.06	320.55	572.9	11.0	-3.4	0.25	-0.14	-10.14	-10.7	-4.4
671.0	0.88	323.54	670.9	12.3	-4.4	0.19	-0.18	3.05	-12.6	-3.8
767.0	0.97	328.81	766.8	13.6	-5.3	0.13	0.09	5.49	-14.4	-2.5
861.0	0.88	327.32	860.8	14.9	-6.1	0.10	-0.10	-1.59	-15.8	-2.9
942.0	0.88	316.07	941.8	15.9	-6.9	0.21	0.00	-13.89	-16.2	-6.1
1,052.0	1.58	323.98	1,051.8	17.7	-8.3	0.65	0.64	7.19	-19.6	-3.4
1,147.0	1.58	38.42	1,146.8	19.8	-8.3	2.01	0.00	78.36	-8.7	22.2
1,243.0	2.99	76.57	1,242.7	21.4	-5.0	2.08	1.47	39.74	9.2	26.4
1,339.0	5.28	95.73	1,338.4	21.6	1.8	2.75	2.39	19.96	19.9	23.8
1,435.0	5.98	97.75	1,434.0	20.4	11.1	0.76	0.73	2.10	21.2	24.1
1,531.0	6.16	100.39	1,529.4	18.8	21.2	0.35	0.19	2.75	22.0	23.6
1,626.0	6.16	103.46	1,623.9	16.7	31.1	0.35	0.00	3.23	22.9	22.5
1,722.0	6.16	103.90	1,719.3	14.3	41.1	0.05	0.00	0.46	22.7	22.0
1,818.0	6.60	103.99	1,814.7	11.7	51.5	0.46	0.46	0.09	21.9	21.7
1,914.0	6.95	103.81	1,910.1	9.0	62.5	0.37	0.36	-0.19	20.5	21.5
2,010.0	7.03	107.07	2,005.4	5.9	73.7	0.42	0.08	3.40	19.8	19.8
2,105.0	7.39	108.65	2,099.6	2.2	85.1	0.43	0.38	1.66	18.2	18.3
2,201.0	7.83	108.38	2,194.8	-1.8	97.1	0.46	0.46	-0.28	15.2	17.3
2,297.0	8.09	109.62	2,289.8	-6.1	109.7	0.32	0.27	1.29	12.1	15.8
2,393.0	8.27	110.32	2,384.9	-10.8	122.6	0.21	0.19	0.73	8.4	14.4
2,489.0	6.68	105.04	2,480.0	-14.6	134.4	1.80	-1.66	-5.50	4.5	14.0
2,585.0	7.47	102.32	2,575.3	-17.4	145.9	0.89	0.82	-2.83	2.0	13.9

eog resources

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
2,681.0	8.35	101.71	2,670.4	-20.2	158.8	0.92	0.92	-0.64	-1.5	13.9
2,776.0	8.71	102.23	2,764.3	-23.1	172.6	0.39	0.38	0.55	-5.7	14.0
2,871.0	6.86	103.73	2,858.5	-26.0	185.2	1.96	-1.95	1.58	-8.4	14.1
2,967.0	7.30	102.32	2,953.7	-28.6	196.7	0.49	0.46	-1.47	-10.7	13.7
3,063.0	7.47	100.74	3,048.9	-31.1	208.8	0.28	0.18	-1.65	-13.5	13.5
3,159.0	5.36	100.83	3,144.3	-33.1	219.3	2.20	-2.20	0.09	-14.3	13.8
3,255.0	6.24	93.88	3,239.8	-34.3	228.9	1.17	0.92	-7.24	-15.7	12.8
3,350.0	7.39	92.56	3,334.2	-34.9	240.2	1.22	1.21	-1.39	-17.6	14.0
3,445.0	8.27	92.12	3,428.3	-35.4	253.1	0.93	0.93	-0.46	-21.0	15.6
3,540.0	8.71	89.84	3,522.2	-35.7	267.1	0.58	0.46	-2.40	-26.0	16.6
3,636.0	6.16	98.10	3,617.4	-36.4	279.5	2.87	-2.66	8.60	-25.9	21.9
3,731.0	5.63	98.01	3,711.9	-37.7	289.2	0.56	-0.56	-0.09	-25.9	22.5
3,825.0	5.28	101.18	3,805.5	-39.2	298.0	0.49	-0.37	3.37	-23.8	24.4
3,921.0	4.40	103.20	3,901.2	-40.9	305.9	0.93	-0.92	2.10	-21.1	25.2
4,017.0	3.52	124.64	3,996.9	-43.4	311.9	1.78	-0.92	22.33	-7.7	28.7
4,113.0	4.48	113.31	4,092.7	-46.6	317.8	1.29	1.00	-11.80	-10.0	24.1
4,208.0	6.07	110.85	4,187.3	-49.9	325.9	1.69	1.67	-2.59	-10.1	22.1
4,303.0	5.89	114.89	4,281.8	-53.7	335.0	0.48	-0.19	4.25	-8.8	20.9
4,399.0	6.86	120.34	4,377.2	-58.7	344.4	1.19	1.01	5.68	-8.0	19.0
4,495.0	7.03	124.12	4,472.5	-64.9	354.2	0.51	0.18	3.94	-9.2	16.2
4,591.0	6.68	125.79	4,567.8	-71.4	363.6	0.42	-0.36	1.74	-11.1	12.7
4,687.0	8.27	130.62	4,663.0	-79.2	373.4	1.78	1.66	5.03	-13.7	9.3
4,782.0	9.15	117.44	4,756.9	-87.1	385.3	2.29	0.93	-13.87	-20.2	1.8
4,878.0	8.18	123.15	4,851.8	-94.4	397.8	1.35	-1.01	5.95	-25.1	1.0
4,974.0	9.58	121.48	4,946.6	-102.3	410.3	1.48	1.46	-1.74	-30.6	-3.2
5,070.0	11.96	109.35	5,041.0	-109.7	426.5	3.41	2.48	-12.64	-37.3	-12.5
5,166.0	9.76	108.74	5,135.2	-115.6	443.6	2.29	-2.29	-0.64	-45.5	-14.1

eog resources

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
5,262.0	7.83	105.75	5,230.1	-120.0	457.6	2.07	-2.01	-3.11	-49.5	-17.4
5,358.0	6.24	105.92	5,325.4	-123.2	468.9	1.66	-1.66	0.18	-51.4	-17.9
5,454.0	6.33	105.04	5,420.8	-126.0	479.0	0.14	0.09	-0.92	-51.7	-19.2
5,550.0	7.39	111.72	5,516.1	-129.7	489.9	1.38	1.10	6.96	-55.3	-14.1
5,646.0	7.83	111.02	5,611.3	-134.3	501.7	0.47	0.46	-0.73	-58.0	-16.4
5,742.0	8.09	111.20	5,706.3	-139.1	514.1	0.27	0.27	0.19	-61.6	-17.7
5,838.0	8.09	111.37	5,801.4	-144.0	526.7	0.02	0.00	0.18	-65.4	-19.1
5,934.0	8.00	111.64	5,896.4	-149.0	539.2	0.10	-0.09	0.28	-69.1	-20.4
6,030.0	8.79	103.11	5,991.4	-153.1	552.6	1.53	0.82	-8.89	-69.4	-31.5
6,126.0	10.29	92.30	6,086.1	-155.1	568.3	2.43	1.56	-11.26	-68.4	-43.6
6,222.0	9.41	89.84	6,180.7	-155.4	584.7	1.02	-0.92	-2.56	-73.2	-44.7
6,318.0	9.23	88.70	6,275.4	-155.2	600.2	0.27	-0.19	-1.19	-78.3	-44.0
6,414.0	8.79	87.20	6,370.2	-154.7	615.3	0.52	-0.46	-1.56	-82.6	-43.7
6,510.0	9.06	88.07	6,465.1	-154.1	630.1	0.31	0.28	0.91	-88.6	-39.9
6,606.0	9.58	86.49	6,559.8	-153.3	645.7	0.60	0.54	-1.65	-93.5	-39.8
6,701.0	8.88	81.75	6,653.6	-151.8	660.8	1.09	-0.74	-4.99	-96.0	-44.6
6,797.0	8.88	73.05	6,748.4	-148.6	675.2	1.40	0.00	-9.06	-94.3	-54.8
6,893.0	7.03	64.26	6,843.5	-143.9	687.6	2.30	-1.93	-9.16	-90.3	-63.5
6,988.0	4.66	45.01	6,938.0	-138.6	695.6	3.20	-2.49	-20.26	-68.4	-83.2
7,083.0	4.04	24.88	7,032.7	-132.8	699.7	1.72	-0.65	-21.19	-40.5	-93.4
7,178.0	3.43	24.62	7,127.5	-127.2	702.3	0.64	-0.64	-0.27	-44.0	-84.0
7,273.0	2.73	50.02	7,222.4	-123.2	705.2	1.60	-0.74	26.74	-74.5	-48.2
7,369.0	2.46	32.00	7,318.3	-120.0	708.1	0.89	-0.28	-18.77	-56.8	-60.2
7,465.0	1.85	38.07	7,414.2	-117.0	710.1	0.68	-0.64	6.32	-62.1	-44.8
7,560.0	1.58	50.72	7,509.2	-115.0	712.1	0.49	-0.28	13.32	-67.0	-22.1
7,655.0	0.62	86.32	7,604.2	-114.1	713.6	1.19	-1.01	37.47	-59.6	24.4
7,752.0	1.06	222.11	7,701.2	-114.7	713.5	1.61	0.45	139.99	55.3	17.8

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
7,847.0	1.06	183.70	7,796.1	-116.3	712.9	0.73	0.00	-40.43	31.3	43.3
7,937.4	1.22	178.16	7,886.5	-118.1	712.9	0.21	0.17	-6.13	25.5	44.7
Brushy Top(LW 28 FC #709H)										
7,944.0	1.23	177.81	7,893.1	-118.2	712.9	0.21	0.18	-5.27	25.1	44.9
8,040.0	1.32	179.04	7,989.1	-120.3	712.9	0.10	0.09	1.28	23.9	44.3
8,135.0	1.32	182.82	8,084.1	-122.5	712.9	0.09	0.00	3.98	24.6	42.7
8,230.0	1.23	193.19	8,179.1	-124.6	712.6	0.26	-0.09	10.92	29.8	37.8
8,326.0	1.23	183.79	8,275.0	-126.6	712.3	0.21	0.00	-9.79	21.2	42.0
8,422.0	1.23	186.34	8,371.0	-128.7	712.1	0.06	0.00	2.66	21.0	41.1
8,517.0	1.32	170.34	8,466.0	-130.8	712.2	0.39	0.09	-16.84	6.8	45.0
8,613.0	0.97	182.21	8,562.0	-132.7	712.3	0.44	-0.36	12.36	14.0	42.8
8,709.0	1.14	183.17	8,658.0	-134.4	712.3	0.18	0.18	1.00	12.9	42.6
8,805.0	1.14	180.36	8,753.9	-136.4	712.2	0.06	0.00	-2.93	8.9	43.1
8,901.0	0.62	172.36	8,849.9	-137.8	712.3	0.56	-0.54	-8.33	1.4	43.8
8,997.0	0.62	210.07	8,945.9	-138.8	712.1	0.42	0.00	39.28	27.0	34.2
9,093.0	0.35	246.37	9,041.9	-139.4	711.5	0.41	-0.28	37.81	41.2	11.9
9,189.0	0.62	245.40	9,137.9	-139.7	710.8	0.28	0.28	-1.01	40.2	12.6
9,285.0	0.79	277.39	9,233.9	-139.8	709.7	0.44	0.18	33.32	39.7	-10.4
9,381.0	0.53	279.76	9,329.9	-139.7	708.6	0.27	-0.27	2.47	38.1	-12.0
9,477.0	0.79	292.77	9,425.9	-139.3	707.5	0.31	0.27	13.55	33.3	-20.1
9,572.0	0.70	224.22	9,520.9	-139.5	706.5	0.89	-0.09	-72.16	30.1	23.0
9,668.0	1.85	199.87	9,616.9	-141.4	705.6	1.30	1.20	-25.36	15.8	33.2
9,764.0	2.46	196.35	9,712.8	-144.8	704.5	0.65	0.64	-3.67	10.2	34.0
9,860.0	2.37	189.94	9,808.7	-148.7	703.6	0.30	-0.09	-6.68	2.3	34.7
9,957.0	1.93	206.55	9,905.6	-152.2	702.5	0.78	-0.45	17.12	8.5	33.2
10,053.0	1.93	251.46	10,001.6	-154.1	700.2	1.54	0.00	46.78	26.7	18.6
10,149.0	2.46	278.18	10,097.5	-154.3	696.7	1.19	0.55	27.83	28.7	5.3

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,245.0	1.58	275.37	10,193.5	-153.9	693.3	0.92	-0.92	-2.93	25.0	6.6
10,341.0	1.06	304.63	10,289.4	-153.3	691.2	0.87	-0.54	30.48	23.0	-5.8
10,437.0	1.85	313.07	10,385.4	-151.7	689.4	0.85	0.82	8.79	19.5	-9.0
10,533.0	0.88	302.26	10,481.4	-150.3	687.6	1.04	-1.01	-11.26	18.6	-5.5
10,725.0	1.76	336.45	10,673.3	-146.8	685.2	0.60	0.46	17.81	8.1	-14.1
10,821.0	2.02	340.85	10,769.3	-143.9	684.1	0.31	0.27	4.58	3.9	-14.6
10,917.0	2.02	345.68	10,865.2	-140.6	683.1	0.18	0.00	5.03	-0.8	-14.7
11,013.0	1.93	359.04	10,961.2	-137.4	682.6	0.49	-0.09	13.92	-7.4	-13.8
11,109.0	2.11	14.51	11,057.1	-134.0	683.1	0.60	0.19	16.11	-14.1	-10.9
11,205.0	2.20	14.77	11,153.0	-130.5	684.0	0.09	0.09	0.27	-17.8	-10.8
11,301.0	2.20	19.34	11,249.0	-127.0	685.0	0.18	0.00	4.76	-22.3	-9.2
11,397.0	1.49	347.09	11,344.9	-124.1	685.4	1.28	-0.74	-33.59	-16.7	-20.6
11,493.0	1.32	335.92	11,440.9	-121.8	684.6	0.33	-0.18	-11.64	-14.8	-23.7
11,589.0	0.79	36.83	11,536.9	-120.3	684.6	1.21	-0.55	63.45	-29.1	2.3
11,685.0	2.20	25.85	11,632.8	-118.1	685.8	1.49	1.47	-11.44	-31.5	-3.4
11,781.0	1.85	9.85	11,728.8	-114.9	686.9	0.69	-0.36	-16.67	-32.7	-12.5
11,877.0	1.58	31.47	11,824.7	-112.3	687.8	0.72	-0.28	22.52	-37.7	1.0
11,929.0	1.49	77.53	11,876.7	-111.5	688.9	2.31	-0.17	88.58	-26.6	28.4
12,041.0	2.81	111.01	11,988.6	-112.2	692.8	1.58	1.18	29.89	-10.5	39.2
12,137.0	2.37	108.55	12,084.5	-113.7	696.9	0.47	-0.46	-2.56	-16.5	38.6
12,205.0	1.72	38.10	12,152.5	-113.3	698.9	3.55	-0.96	-103.60	-43.2	-4.1
KOP, MD:12205.0', TVD:12152.5',N/S:-113.3', E/W:698.9', INC:1.72										
12,233.0	2.29	14.42	12,180.5	-112.4	699.3	3.55	2.05	-84.58	-37.3	-21.7
12,329.0	16.00	358.95	12,275.0	-97.3	699.5	14.38	14.28	-16.11	-26.5	-31.2
12,337.4	16.77	357.65	12,283.1	-94.9	699.4	10.10	9.11	-15.46	-25.6	-31.7
FTP Crossing, MD:12337.4', TVD:12283.1',N/S:-94.9', E/W:699.4', INC:16.77										
12,425.0	25.06	348.84	12,364.9	-64.0	695.3	10.10	9.47	-10.06	-16.8	-30.2

eog resources

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,521.0	40.10	347.70	12,445.5	-13.6	684.7	15.68	15.67	-1.19	-13.1	-19.1
12,589.5	48.57	347.57	12,494.5	33.1	674.5	12.37	12.36	-0.19	-12.6	-8.7
FTP(LW 28 FC #709H)										
12,617.0	51.97	347.53	12,512.1	53.8	669.9	12.37	12.36	-0.15	-12.3	-4.2
12,713.0	66.13	352.71	12,561.3	134.7	656.1	15.45	14.75	5.40	-12.8	9.8
12,809.0	70.61	2.82	12,596.8	223.7	652.8	10.84	4.67	10.53	-7.9	13.3
12,905.0	77.03	0.27	12,623.5	315.8	655.2	7.16	6.69	-2.66	6.1	9.9
13,001.0	85.65	358.07	12,638.0	410.6	653.8	9.26	8.98	-2.29	21.2	10.5
13,097.0	90.31	357.72	12,641.4	506.5	650.3	4.87	4.85	-0.36	25.7	13.2
13,193.0	93.30	359.39	12,638.3	602.4	647.9	3.57	3.11	1.74	23.7	14.8
13,289.0	91.19	1.68	12,634.6	698.3	648.8	3.24	-2.20	2.39	21.1	13.1
13,385.0	93.83	3.17	12,630.4	794.1	652.8	3.16	2.75	1.55	18.0	8.2
13,481.0	89.34	2.65	12,627.7	889.9	657.7	4.71	-4.68	-0.54	16.4	2.5
13,577.0	88.90	1.42	12,629.2	985.8	661.1	1.36	-0.46	-1.28	19.0	-1.7
13,673.0	89.60	1.94	12,630.5	1,081.8	663.9	0.91	0.73	0.54	21.3	-5.3
13,769.0	90.22	2.82	12,630.6	1,177.7	667.9	1.12	0.65	0.92	22.6	-10.1
13,865.0	88.20	359.40	12,631.9	1,273.7	669.8	4.14	-2.10	-3.56	25.0	-12.8
13,961.0	89.08	358.52	12,634.2	1,369.6	668.0	1.30	0.92	-0.92	28.4	-11.9
14,031.8	90.18	358.78	12,634.7	1,440.4	666.4	1.59	1.55	0.36	29.7	-10.8
TGT#1(LW 28 FC #709H)										
14,057.0	90.57	358.87	12,634.5	1,465.6	665.9	1.59	1.55	0.36	29.7	-10.5
14,154.0	91.45	358.25	12,632.8	1,562.5	663.4	1.11	0.91	-0.64	28.7	-8.9
14,250.0	91.45	358.96	12,630.4	1,658.5	661.1	0.74	0.00	0.74	26.9	-7.3
14,346.0	89.16	359.66	12,629.9	1,754.5	659.9	2.49	-2.39	0.73	27.1	-7.0
14,442.0	90.31	359.92	12,630.3	1,850.5	659.6	1.23	1.20	0.27	28.2	-7.5
14,538.0	91.80	359.48	12,628.5	1,946.4	659.1	1.62	1.55	-0.46	27.1	-7.8
14,634.0	89.08	0.80	12,627.8	2,042.4	659.3	3.15	-2.83	1.37	27.0	-8.8

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,730.0	88.20	359.83	12,630.1	2,138.4	659.8	1.36	-0.92	-1.01	30.0	-10.2
14,826.0	88.99	0.19	12,632.4	2,234.4	659.8	0.90	0.82	0.37	33.0	-11.0
14,922.0	93.21	359.57	12,630.6	2,330.3	659.6	4.44	4.40	-0.65	31.9	-11.6
15,018.0	90.66	0.45	12,627.3	2,426.3	659.7	2.81	-2.66	0.92	29.3	-12.4
15,114.0	94.00	1.86	12,623.4	2,522.1	661.6	3.78	3.48	1.47	26.1	-15.2
15,210.0	91.54	0.71	12,618.8	2,618.0	663.7	2.83	-2.56	-1.20	22.1	-18.1
15,306.0	88.46	357.29	12,618.8	2,714.0	662.1	4.79	-3.21	-3.56	22.8	-17.3
15,402.0	87.49	357.37	12,622.2	2,809.8	657.6	1.01	-1.01	0.08	26.8	-13.6
15,498.0	90.22	357.20	12,624.1	2,905.7	653.1	2.85	2.84	-0.18	29.4	-9.9
15,594.0	90.04	355.62	12,623.9	3,001.5	647.0	1.66	-0.19	-1.65	29.9	-4.7
15,689.0	91.89	358.16	12,622.3	3,096.3	641.9	3.31	1.95	2.67	28.9	-0.3
15,786.0	93.91	359.13	12,617.4	3,193.1	639.6	2.31	2.08	1.00	24.7	1.1
15,881.0	91.71	359.83	12,612.7	3,288.0	638.7	2.43	-2.32	0.74	20.7	1.2
15,977.0	91.28	2.65	12,610.2	3,384.0	640.8	2.97	-0.45	2.94	18.9	-1.7
16,074.0	89.25	359.66	12,609.8	3,480.9	642.8	3.73	-2.09	-3.08	19.1	-4.5
16,170.0	87.41	358.43	12,612.6	3,576.9	641.2	2.31	-1.92	-1.28	22.6	-3.7
16,266.0	88.20	358.60	12,616.2	3,672.8	638.7	0.84	0.82	0.18	26.9	-2.0
16,356.0	89.34	359.58	12,618.2	3,762.7	637.3	1.67	1.27	1.09	29.5	-1.3
16,452.0	89.87	359.05	12,618.8	3,858.7	636.1	0.78	0.55	-0.55	30.8	-1.0
16,549.0	90.40	358.87	12,618.6	3,955.7	634.4	0.58	0.55	-0.19	31.3	-0.1
16,645.0	90.57	358.70	12,617.8	4,051.7	632.3	0.25	0.18	-0.18	31.2	1.2
16,741.0	91.36	358.79	12,616.2	4,147.6	630.2	0.83	0.82	0.09	30.2	2.5
16,837.0	91.89	358.61	12,613.5	4,243.6	628.0	0.58	0.55	-0.19	28.2	3.8
16,933.0	92.15	358.52	12,610.1	4,339.5	625.6	0.29	0.27	-0.09	25.5	5.4
17,029.0	90.22	359.14	12,608.1	4,435.4	623.7	2.11	-2.01	0.65	24.1	6.6
17,125.0	89.78	357.55	12,608.1	4,531.4	620.9	1.72	-0.46	-1.66	24.8	8.5
17,221.0	90.57	357.64	12,607.8	4,627.3	616.9	0.83	0.82	0.09	25.2	11.7

eog resources

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,317.0	89.96	0.02	12,607.4	4,723.3	614.9	2.56	-0.64	2.48	25.4	12.9
17,413.0	90.75	0.45	12,606.8	4,819.3	615.3	0.94	0.82	0.45	25.5	11.7
17,509.0	89.52	0.54	12,606.5	4,915.3	616.1	1.28	-1.28	0.09	26.0	10.0
17,605.0	90.48	0.81	12,606.5	5,011.3	617.3	1.04	1.00	0.28	26.6	8.1
17,676.5	91.01	0.42	12,605.6	5,082.8	618.0	0.92	0.74	-0.55	26.2	6.7
Fed PP(LW 28 FC #709H)										
17,701.0	91.19	0.28	12,605.1	5,107.2	618.2	0.92	0.74	-0.55	25.9	6.4
17,797.0	90.84	0.10	12,603.4	5,203.2	618.5	0.41	-0.36	-0.19	24.9	5.2
17,893.0	89.43	0.81	12,603.2	5,299.2	619.3	1.64	-1.47	0.74	25.3	3.7
17,989.0	90.04	0.45	12,603.7	5,395.2	620.3	0.74	0.64	-0.37	26.4	1.8
18,085.0	90.84	0.19	12,602.9	5,491.2	620.9	0.88	0.83	-0.27	26.4	0.4
18,181.0	91.54	0.19	12,600.9	5,587.2	621.2	0.73	0.73	0.00	25.1	-0.7
18,277.0	91.98	0.54	12,598.0	5,683.1	621.8	0.59	0.46	0.36	22.8	-2.1
18,373.0	92.95	0.63	12,593.8	5,779.0	622.8	1.01	1.01	0.09	19.3	-3.9
18,469.0	91.54	0.63	12,590.1	5,875.0	623.8	1.47	-1.47	0.00	16.2	-5.8
18,565.0	91.19	1.60	12,587.8	5,970.9	625.7	1.07	-0.36	1.01	14.6	-8.4
18,661.0	90.57	359.75	12,586.3	6,066.9	626.8	2.03	-0.65	-1.93	13.8	-10.4
18,757.0	91.28	359.49	12,584.8	6,162.9	626.2	0.79	0.74	-0.27	12.9	-10.6
18,853.0	90.04	0.28	12,583.7	6,258.9	626.0	1.53	-1.29	0.82	12.5	-11.2
18,948.0	90.66	0.54	12,583.1	6,353.9	626.7	0.71	0.65	0.27	12.6	-12.7
19,044.0	90.84	0.28	12,581.8	6,449.9	627.4	0.33	0.19	-0.27	12.0	-14.2
19,140.0	90.57	0.45	12,580.6	6,545.8	628.0	0.33	-0.28	0.18	11.5	-15.6
19,236.0	90.48	0.54	12,579.8	6,641.8	628.8	0.13	-0.09	0.09	11.3	-17.2
19,332.0	88.72	359.31	12,580.4	6,737.8	628.7	2.24	-1.83	-1.28	12.7	-17.9
19,428.0	89.16	359.49	12,582.2	6,833.8	627.7	0.50	0.46	0.19	15.1	-17.7
19,524.0	89.96	359.58	12,582.9	6,929.8	626.9	0.84	0.83	0.09	16.5	-17.8
19,620.0	90.57	359.75	12,582.5	7,025.8	626.3	0.66	0.64	0.18	16.7	-18.0

eog resources

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
19,716.0	91.19	359.93	12,581.0	7,121.8	626.1	0.67	0.65	0.19	15.9	-18.6
19,812.0	91.45	0.10	12,578.8	7,217.8	626.1	0.32	0.27	0.18	14.4	-19.4
19,908.0	92.24	0.37	12,575.7	7,313.7	626.5	0.87	0.82	0.28	12.0	-20.6
20,004.0	91.54	357.99	12,572.6	7,409.6	625.1	2.58	-0.73	-2.48	9.5	-20.0
20,099.0	92.33	358.08	12,569.4	7,504.5	621.8	0.84	0.83	0.09	6.9	-17.6
20,195.0	89.52	358.35	12,567.8	7,600.5	618.9	2.94	-2.93	0.28	6.1	-15.4
20,291.0	88.29	357.47	12,569.6	7,696.4	615.4	1.58	-1.28	-0.92	8.6	-12.7
20,387.0	89.16	357.55	12,571.8	7,792.3	611.2	0.91	0.91	0.08	11.4	-9.4
20,483.0	90.40	357.91	12,572.1	7,888.2	607.4	1.34	1.29	0.37	12.4	-6.4
20,579.0	91.19	358.26	12,570.8	7,984.1	604.2	0.90	0.82	0.36	11.8	-4.0
20,675.0	92.07	358.52	12,568.1	8,080.0	601.5	0.96	0.92	0.27	9.7	-2.1
20,771.0	89.34	358.52	12,566.9	8,176.0	599.0	2.84	-2.84	0.00	9.2	-0.4
20,867.0	89.87	358.35	12,567.6	8,272.0	596.4	0.58	0.55	-0.18	10.5	1.4
20,963.0	90.66	358.26	12,567.1	8,367.9	593.5	0.83	0.82	-0.09	10.8	3.4
21,059.0	92.86	358.79	12,564.2	8,463.8	591.1	2.36	2.29	0.55	8.5	5.1
21,155.0	90.48	357.73	12,561.4	8,559.7	588.2	2.71	-2.48	-1.10	6.4	7.2
21,251.0	90.40	358.96	12,560.6	8,655.7	585.4	1.28	-0.08	1.28	6.3	9.1
21,347.0	86.53	359.58	12,563.2	8,751.6	584.2	4.08	-4.03	0.65	9.6	9.6
21,438.2	87.02	359.66	12,568.3	8,842.7	583.6	0.55	0.54	0.08	15.3	9.4
TGT#2(LW 28 FC #709H)										
21,443.0	87.05	359.66	12,568.6	8,847.5	583.5	0.55	0.54	0.08	15.6	9.4
21,539.0	86.70	359.14	12,573.8	8,943.3	582.5	0.65	-0.36	-0.54	21.7	9.6
21,635.0	90.22	358.79	12,576.4	9,039.3	580.8	3.68	3.67	-0.36	25.2	10.5
21,731.0	90.92	358.43	12,575.4	9,135.2	578.5	0.82	0.73	-0.37	25.1	12.0
21,827.0	92.15	358.26	12,572.9	9,231.1	575.7	1.29	1.28	-0.18	23.4	14.0
21,923.0	90.66	359.84	12,570.5	9,327.1	574.1	2.26	-1.55	1.65	22.0	14.7
22,019.0	91.71	0.02	12,568.5	9,423.1	574.0	1.11	1.09	0.19	20.9	14.1

eog resources

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #709H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 26' @ 3341.0usft
Site:	Lakewood 28 Fed Com	**MD Reference:**	KB = 26' @ 3341.0usft
Well:	#709H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
22,115.0	92.77	359.66	12,564.8	9,519.0	573.7	1.17	1.10	-0.37	18.0	13.5
22,211.0	90.66	0.28	12,561.9	9,615.0	573.7	2.29	-2.20	0.65	16.0	12.7
22,307.0	91.01	0.89	12,560.5	9,710.9	574.6	0.73	0.36	0.64	15.5	11.0
22,403.0	92.68	0.28	12,557.4	9,806.9	575.6	1.85	1.74	-0.64	13.3	9.2
22,499.0	90.84	358.35	12,554.5	9,902.8	574.5	2.78	-1.92	-2.01	11.2	9.5
22,595.0	90.84	359.58	12,553.1	9,998.8	572.7	1.28	0.00	1.28	10.7	10.4
22,654.0	94.18	0.54	12,550.5	10,057.7	572.8	5.89	5.66	1.63	8.7	9.9
Last MWD Survey (MD=22654.0')										
22,849.6	94.18	0.54	12,536.2	10,252.8	574.6	0.00	0.00	0.00	-3.8	6.4
PBHL(LW 28 FC #709H)										
22,850.0	94.18	0.54	12,536.2	10,253.2	574.6	0.00	0.00	0.00	-3.8	6.4
Projection to Bit (MD=22850.0')										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
12,205.0	12,152.5	-113.3	698.9	KOP, MD:12205.0', TVD:12152.5',N/S:-113.3', E/W:698.9', INC:1.72
12,337.4	12,283.1	-94.9	699.4	FTP Crossing, MD:12337.4', TVD:12283.1',N/S:-94.9', E/W:699.4', INC:16.77
22,654.0	12,550.5	10,057.7	572.8	Last MWD Survey (MD=22654.0')
22,850.0	12,536.2	10,253.2	574.6	Projection to Bit (MD=22850.0')

Checked By: _____ Approved By: _____ Date: _____

I certify this survey to be true and correct to the best of my belief and knowlege.

Kay Maddox 03/11/2021

Lea County, NM (NAD 83 NME)

Lakewood 28 Fed Com #709H

Plan #1

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: #709H

3315.0

KB = 26' @ 3341.0usft

Northing	Easting	Latitude	Longitude
399277.00	806842.00	32° 5' 41.245 N	103° 28' 33.474 W

Azimuths to Grid North
True North: -0.46°
Magnetic North: 6.10°

Magnetic Field
Strength: 47489.4nT
Dip Angle: 59.82°
Date: 11/11/2020
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.10°
To convert a Magnetic Direction to a True Direction, Add 6.56° East
To convert a True Direction to a Grid Direction, Subtract 0.46°

SECTION DETAILS

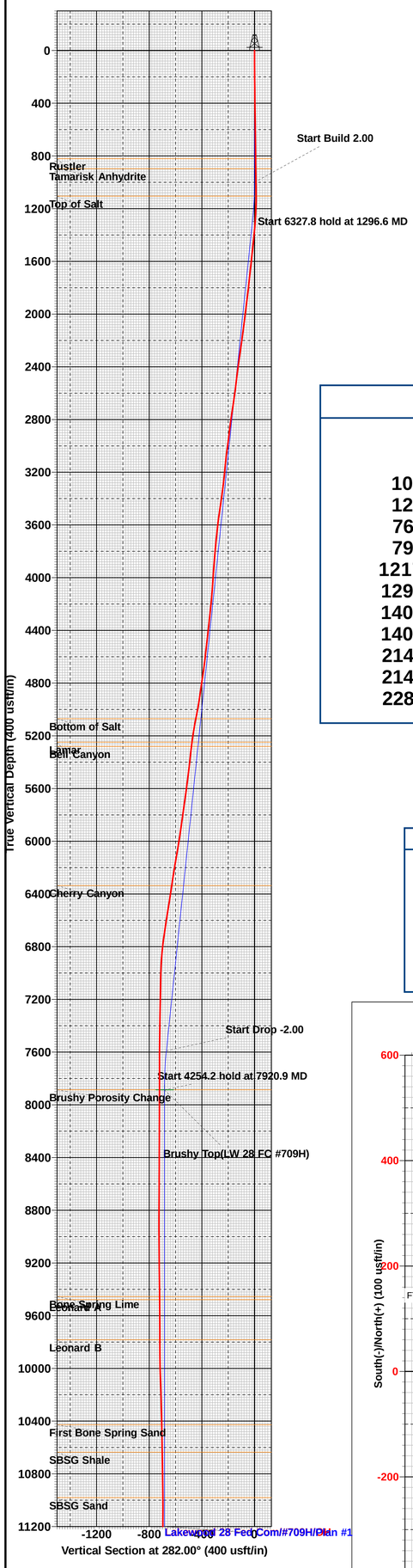
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
1296.6	5.93	102.23	1296.0	-3.2	15.0	2.00	102.23	-2.4	
7624.4	5.93	102.23	7590.0	-141.8	654.0	0.00	0.00	-104.5	
7920.9	0.00	0.00	7886.0	-145.0	669.0	2.00	180.00	-106.9	Brushy Top(LW 28 FC #709H)
12175.1	0.00	0.00	12140.2	-145.0	669.0	0.00	0.00	-106.9	
12930.6	90.66	359.52	12617.6	337.9	664.9	12.00	359.52	375.0	
14033.0	90.66	359.52	12605.0	1440.2	655.6	0.00	0.00	1475.0	TGT#1(LW 28 FC #709H)
14045.7	90.40	359.52	12604.9	1452.9	655.5	2.00	-180.00	1487.7	
21436.8	90.40	359.52	12553.0	8843.6	592.9	0.00	0.00	8863.0	TGT#2(LW 28 FC #709H)
21443.2	90.53	359.52	12552.9	8849.9	592.9	2.00	0.00	8869.3	
22846.4	90.53	359.52	12540.0	10253.0	581.0	0.00	0.00	10269.4	PBHL(LW 28 FC #709H)

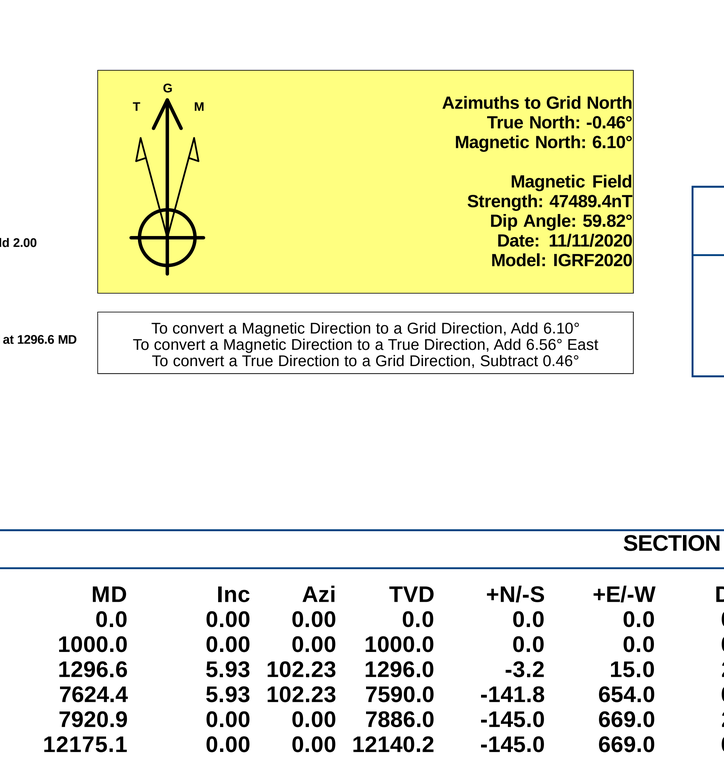
CASING DETAILS

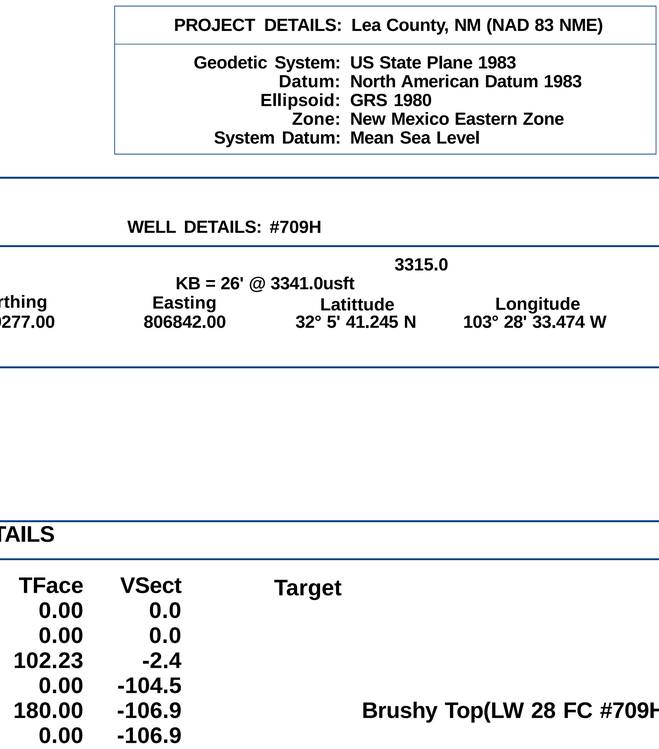
No casing data is available

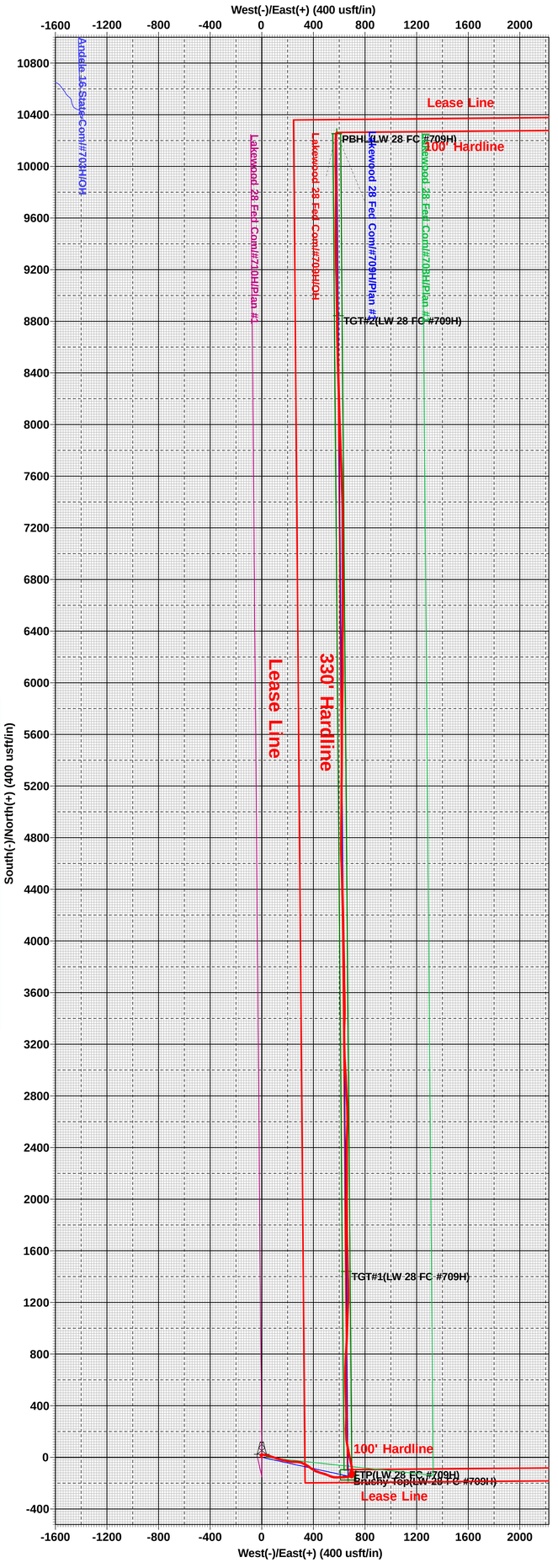
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

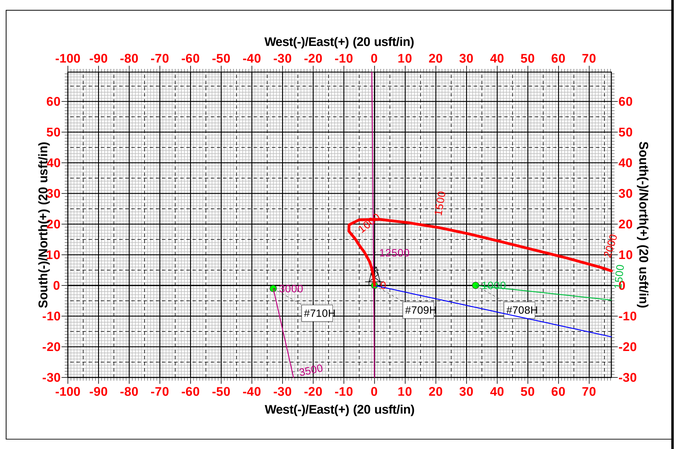
Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(LW 28 FC #709H)	7886.0	-145.0	669.0	399132.00	807511.00
PBHL(LW 28 FC #709H)	12540.0	10253.0	581.0	409530.00	807423.00
TGT#2(LW 28 FC #709H)	12553.0	8843.6	592.9	408120.60	807434.93
TGT#1(LW 28 FC #709H)	12605.0	1440.2	655.6	400717.20	807497.58
FTP(LW 28 FC #709H)	12623.0	-95.0	669.0	399182.00	807511.00

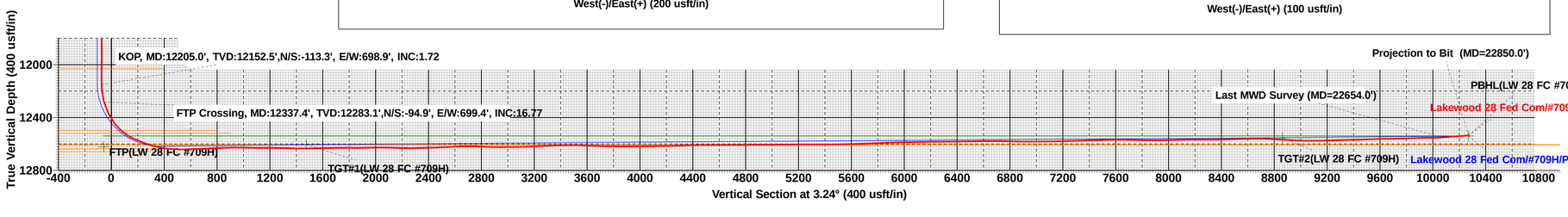


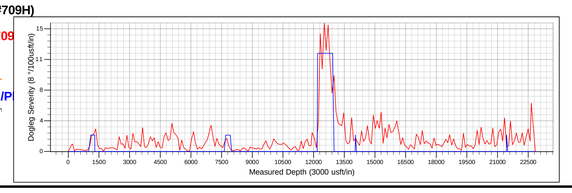












Lea County, NM (NAD 83 NME)
Lakewood 28 Fed Com
#709H
OH
Plan #1
7:45, November 20 2020

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

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
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-105
Revised August 1, 2011

1. WELL API NO. 30-025-46854
2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☒ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name: LAKEWOOD 28 FEDERAL COM
6. Well Number: 709H

7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____

8. Name of Operator: EOG RESOURCES INC
9. OGRID: 7377
10. Address of Operator: PO BOX 2267 MIDLAND, TEXAS 79702
11. Pool name or Wildcat: BOBCAT DRAW; UPPER WOLFCAMP

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	N	28	25S	34E		200	SOUTH	2310	WEST	LEA
BH:	B	21	25S	34E		108	NORTH	2317	EAST	LEA

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
10/01/2020	11/19//2020	11/20/2020	02/20/2021	3315' GR

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
MD 22,850' TVD 12,536'	MD 22,811' TVD 12,536'	YES	None

22. Producing Interval(s), of this completion - Top, Bottom, Name: WOLFCAMP 12,680-22,811'

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	40# J-55	1,005'	12 1/4"	430 CL C/CIRC	
7 5/8"	29.7# ECP 110	11,982'	8 3/4"	1441 CL C & H/ TOC 61'	
5 1/2"	20# HCP 110	22,820'	6 3/4"	1010 CL H TOC 5130' CBL	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

12,680 - 22,811' 3 1/8", 2100 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,680 -2 2,811'	FRAC W 24,963,471 lbs proppant, 404,360 bbls load fld

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
02/20/2021	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
03/01/2021	24	52		3359	5255	9010	1564

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
	2325					43

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*: SOLD
30. Test Witnessed By

31. List Attachments: C-102, C-104, C-103, Directional Survey, H spacing, Gas capture

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude _____ Longitude _____ NAD 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Kay Maddox Printed Name Kay Maddox Title Senior Regulatory Specialist Date 03/16/2021

E-mail Address kay_maddox@eogresources.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy Rustler 858'	T. Canyon Brushy 7923'	T. Ojo Alamo	T. Penn A"
T. Salt 1142'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 5107'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo	T. 1st BS Sand 10,465'	T. Entrada	
T. Wolfcamp 12,534'	T. 2nd BS Sand 11,018'	T. Wingate	
T. Penn	T. 3rd BS Sand 12,068'	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from……..……..….to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to……..

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from…….to……feet……

No. 2, from…….to……feet……

No. 3, from…….to……feet……

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 20997
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☐	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☐	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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 20997

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	Action Number: 20997
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	6/15/2021