

I. REQUEST FOR ALLOWABLE MINERAL AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702		² OGRID Number 7377
		³ Reason for Filing Code/ Effective Date NW 02/20/2021
⁴ API Number 30 - 025-46853	⁵ Pool Name BOBCAT DRAW; UPPER WOLFCAMP	⁶ Pool Code 98094
⁷ Property Code 326767	⁸ Property Name LAKEWOOD 28 FEDERAL COM	⁹ Well Number 708H

II. ¹⁰ Surface Location

UI or lot no. N	Section 28	Township 25S	Range 34E	Lot Idn	Feet from the 200	North/South Line SOUTH	Feet from the 2343	East/West line WEST	County LEA
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¹¹ Bottom Hole Location

UL or lot no. B	Section 21	Township 25S	Range 34E	Lot Idn	Feet from the 108	North/South line NORTH	Feet from the 1649	East/West line EAST	County LEA
¹² Lse Code	¹³ Producing Method Code FLOWING	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

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 10/20/2020	²² Ready Date 02/20/2021	²³ TD 22883'	²⁴ PBDT 22848'	²⁵ Perforations 12798-22848'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12 1/4		9 5/8"		1006'	
8 3/4"		7 5/8"		12,080'	
6 3/4"		5 1/2"		22,856'	
				1010 SXS CL H TOC 9940' CBL	

V. Well Test Data

³¹ Date New Oil 02/20/2021	³² Gas Delivery Date 02/20/2021	³³ Test Date 03/01/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2256
³⁷ Choke Size 52	³⁸ Oil 3237	³⁹ Water 8974	⁴⁰ Gas 5044		⁴¹ Test Method
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			OIL CONSERVATION DIVISION		
Printed name: Kay Maddox			Approved by: KURT SIMMONS		
Title: SENIOR REGULATORY SPECIALIST			Title: NMOCD, SANTA FE		
E-mail Address: kay_maddox@eogresources.com			Approval Date: 06/15/2021		
Date: 03/16/2021		Phone: 432-638-8475			

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

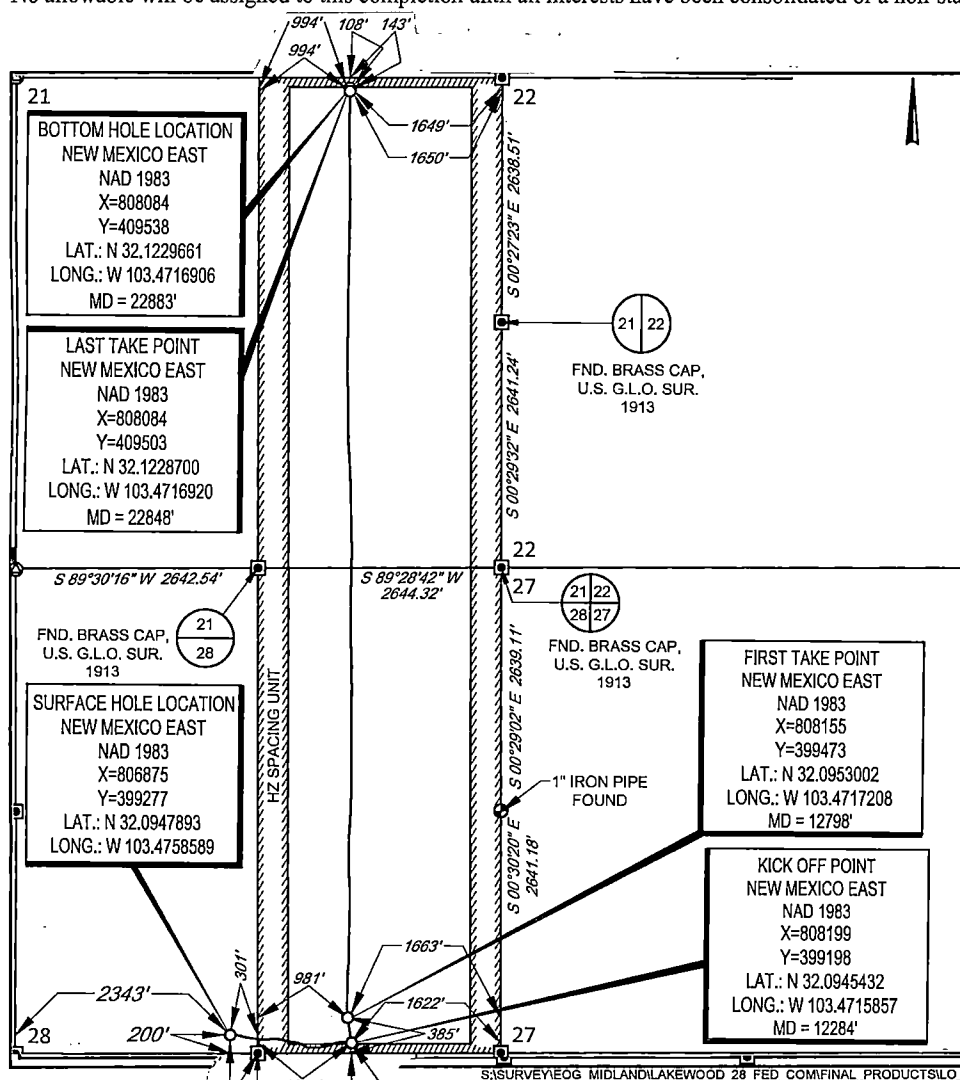
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46853		² Pool Code 98094		³ Pool Name BOBCAT DRAW; UPPER WOLFCAMP					
⁴ Property Code 326767		⁵ Property Name LAKEWOOD 28 FED COM						⁶ Well Number #708H	
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.						⁹ Elevation 3316'	
¹⁰ Surface Location									
UL or lot no. N	Section 28	Township 25-S	Range 34-E	Lot Idn -	Feet from the 200'	North/South line SOUTH	Feet from the 2343'	East/West line WEST	County LEA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. B	Section 21	Township 25-S	Range 34-E	Lot Idn -	Feet from the 108'	North/South line NORTH	Feet from the 1649'	East/West line EAST	County LEA
¹² Dedicated Acres 640.00		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

03/12/2011

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

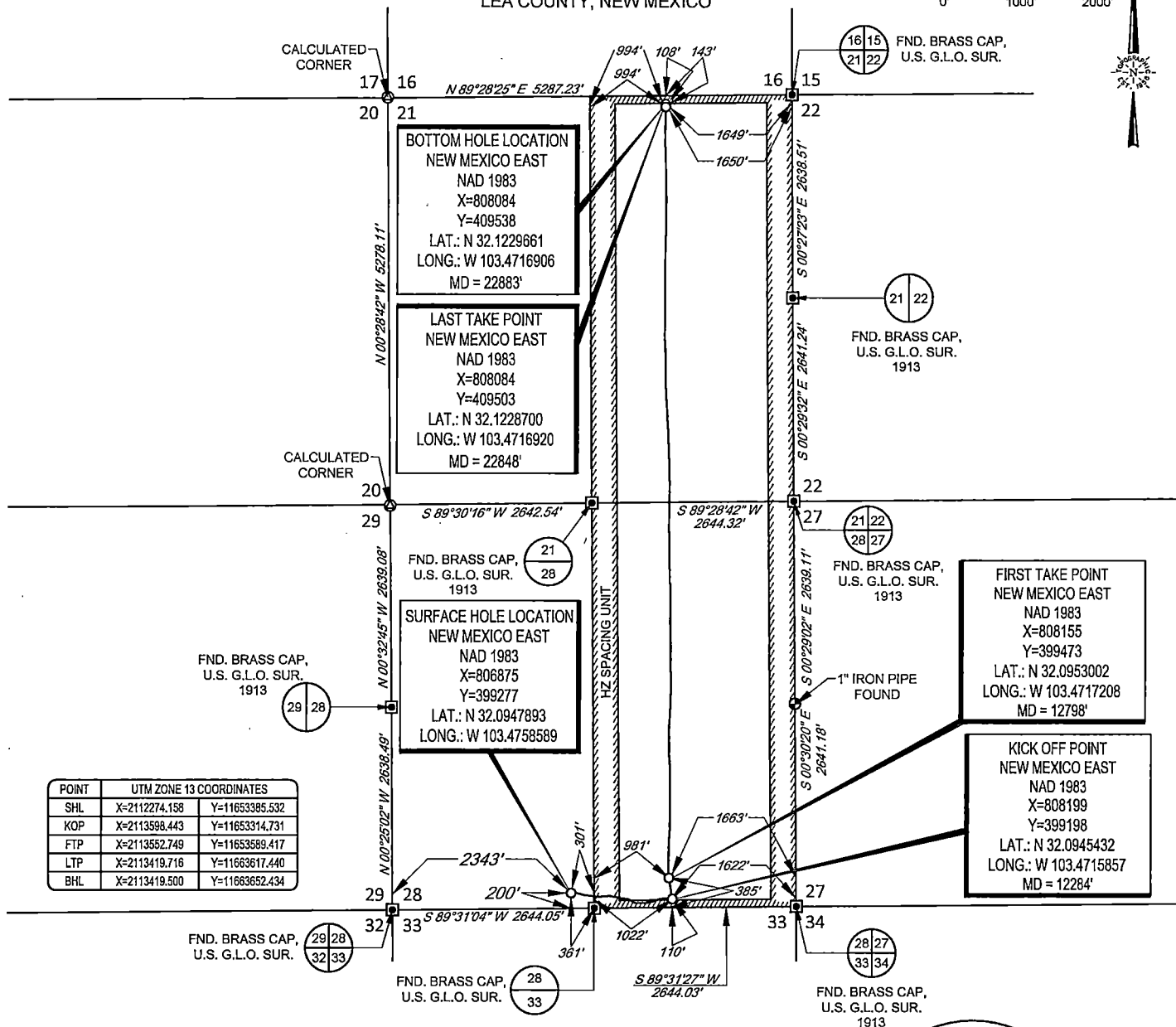
A circular professional seal for Michael E. Brown, a Professional Surveyor in New Mexico. The seal features the text "MICHAEL E. BROWN" around the top inner edge, "NEW MEXICO" in the center, and "18329" below it. The words "PROFESSIONAL SURVEYOR" are written around the bottom inner edge. A signature is written across the seal.

Certificate Number

SECTION 28, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SCALE: 1" = 2000'

0' 1000' 2000'



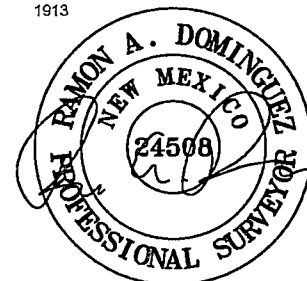
POINT	UTM ZONE 13 COORDINATES
SHL	X=2112274.158 Y=11653385.532
KOP	X=2113598.443 Y=11653314.731
FTP	X=2113552.749 Y=11653589.417
LTP	X=2113419.716 Y=11663617.440
BHL	X=2113419.500 Y=11663652.434

LEASE NAME & WELL NO.: LAKEWOOD FED COM 708H
 SECTION 28 TWP 25-S RGE 34-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3315'
 DESCRIPTION 200' FSL & 2343' FWL



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



LAKEWOOD FED COM 708H AS-COMPLETED	REVISION:		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.
DATE: 02/03/2021			
FILE:AD_LAKEWOOD_28_FED_COM_708H			
DRAWN BY: EAH			
SHEET: 1 OF 1			

S:\SURVEY\EOG_MIDLAND\LAKEWOOD_28_FED_COM\FINAL_PRODUCTS\AD_LAKEWOOD_28_FED_COM_708H.DWG 2/4/2021 8:11:42 AM bgregory



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Lakewood 28 Fed Com

#708H

OH

Design: OH

Midland PVA

05 November, 2020



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	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
From:	Map	Easting:	809,336.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 5' 41.246 N
		Longitude:	103° 28' 4.482 W
		Grid Convergence:	0.46 °

Well		#708H				
Well Position	+N/-S	0.0 usft	Northing:	399,277.00 usft	Latitude:	32° 5' 41.243 N
	+E/-W	0.0 usft	Easting:	806,875.00 usft	Longitude:	103° 28' 33.091 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	10/30/2020	6.56	59.82	47,492.85197700

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	6.72	

Survey Program	Date	11/5/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
185.0	22,883.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1	



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Site:	Lakewood 28 Fed Com	MD Reference:	KB = 26' @ 3341.0usft
Well:	#708H	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	1.32	62.42	185.0	1.0	1.9	0.71	0.71	0.00	-2.1	0.0
213.0	1.41	69.54	213.0	1.3	2.5	0.69	0.32	25.43	-2.8	0.3
301.0	1.49	62.16	300.9	2.2	4.5	0.23	0.09	-8.39	-5.0	-0.2
390.0	1.32	65.41	389.9	3.1	6.5	0.21	-0.19	3.65	-7.2	0.2
573.0	1.32	355.71	572.9	6.1	8.2	0.82	0.00	-38.09	-5.5	-8.7
671.0	0.88	53.46	670.9	7.7	8.8	1.15	-0.45	58.93	-11.6	1.0
767.0	0.88	48.18	766.9	8.6	9.9	0.08	0.00	-5.50	-13.1	-0.2
946.0	0.70	57.41	945.8	10.1	11.8	0.12	-0.10	5.16	-15.4	2.2
1,052.0	1.06	38.07	1,051.8	11.2	13.0	0.44	0.34	-18.25	-16.6	-2.9
1,148.0	0.88	45.10	1,147.8	12.5	14.1	0.22	-0.19	7.32	-16.4	1.9
1,244.0	3.17	90.63	1,243.8	13.0	17.2	2.74	2.39	47.43	-6.7	14.1
1,340.0	5.72	97.49	1,339.5	12.3	24.6	2.71	2.66	7.15	-2.6	14.9
1,435.0	8.44	102.41	1,433.7	10.2	36.1	2.93	2.86	5.18	-0.3	14.1
1,531.0	9.58	103.90	1,528.5	6.8	50.8	1.21	1.19	1.55	1.0	12.1
1,627.0	11.17	102.94	1,623.0	2.8	67.6	1.67	1.66	-1.00	2.4	9.7
1,723.0	12.31	104.43	1,717.0	-1.9	86.6	1.23	1.19	1.55	2.4	7.1
1,818.0	12.84	104.78	1,809.7	-7.1	106.6	0.56	0.56	0.37	0.7	4.2
1,914.0	12.84	107.42	1,903.3	-13.0	127.1	0.61	0.00	2.75	-1.3	0.9
2,010.0	13.37	107.95	1,996.8	-19.6	147.8	0.57	0.55	0.55	-4.1	-3.0
2,106.0	13.81	100.39	2,090.1	-25.1	169.6	1.90	0.46	-7.87	-6.8	-6.4
2,201.0	14.60	95.73	2,182.2	-28.4	192.7	1.46	0.83	-4.91	-10.4	-7.7
2,297.0	15.21	96.87	2,275.0	-31.1	217.3	0.70	0.64	1.19	-16.0	-7.5
2,393.0	15.48	98.63	2,367.5	-34.5	242.4	0.56	0.28	1.83	-22.3	-7.5
2,489.0	16.71	99.33	2,459.8	-38.7	268.7	1.30	1.28	0.73	-29.8	-8.2
2,585.0	15.83	97.75	2,551.9	-42.7	295.3	1.03	-0.92	-1.65	-37.2	-9.9
2,681.0	15.83	93.88	2,644.3	-45.3	321.3	1.10	0.00	-4.03	-43.4	-12.5



EOG Resources

Midland PVA

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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:	#708H	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)	
2,776.0	14.60	95.29	2,736.0	-47.3	346.2	1.35	-1.29	1.48	-49.6	-10.8	
2,872.0	12.84	89.84	2,829.2	-48.4	368.9	2.27	-1.83	-5.68	-51.8	-14.4	
2,967.0	12.40	82.54	2,921.9	-47.0	389.6	1.74	-0.46	-7.68	-51.6	-17.5	
3,063.0	14.25	83.69	3,015.3	-44.4	411.5	1.95	1.93	1.20	-55.1	-12.1	
3,159.0	15.30	84.65	3,108.2	-41.9	435.9	1.12	1.09	1.00	-60.8	-7.2	
3,255.0	14.33	87.38	3,201.0	-40.2	460.4	1.24	-1.01	2.84	-66.5	-0.8	
3,350.0	13.89	85.18	3,293.1	-38.7	483.5	0.73	-0.46	-2.32	-70.8	-0.1	
3,445.0	13.54	90.54	3,385.4	-37.8	506.0	1.39	-0.37	5.64	-73.9	9.3	
3,541.0	12.22	101.00	3,479.0	-39.9	527.2	2.79	-1.37	10.90	-73.0	22.7	
3,636.0	13.28	99.77	3,571.7	-43.6	547.8	1.15	1.12	-1.29	-75.2	19.7	
3,731.0	13.98	99.16	3,664.0	-47.3	569.9	0.75	0.74	-0.64	-78.7	17.8	
3,825.0	13.72	102.23	3,755.2	-51.5	592.0	0.83	-0.28	3.27	-81.2	20.5	
3,921.0	13.89	103.90	3,848.5	-56.7	614.3	0.45	0.18	1.74	-84.3	20.5	
4,017.0	14.16	105.31	3,941.6	-62.5	636.8	0.45	0.28	1.47	-88.0	19.7	
4,113.0	11.52	103.02	4,035.2	-67.8	657.5	2.80	-2.75	-2.39	-90.7	13.5	
4,209.0	10.99	99.51	4,129.4	-71.5	675.9	0.90	-0.55	-3.66	-90.7	6.3	
4,304.0	10.20	95.20	4,222.7	-73.7	693.2	1.18	-0.83	-4.54	-89.0	-0.8	
4,399.0	9.85	97.75	4,316.3	-75.6	709.6	0.59	-0.37	2.68	-86.2	2.9	
4,495.0	8.97	99.60	4,411.0	-77.9	725.1	0.97	-0.92	1.93	-82.3	4.7	
4,591.0	8.18	102.58	4,505.9	-80.7	739.2	0.94	-0.82	3.10	-76.9	7.1	
4,687.0	8.88	107.77	4,600.9	-84.4	752.9	1.08	0.73	5.41	-71.0	10.6	
4,783.0	10.46	109.97	4,695.5	-89.7	768.1	1.69	1.65	2.29	-67.7	8.9	
4,878.0	9.76	112.08	4,789.0	-95.6	783.7	0.83	-0.74	2.22	-65.4	6.4	
4,974.0	10.64	117.88	4,883.5	-102.8	799.1	1.41	0.92	6.04	-63.3	6.4	
5,070.0	11.34	123.85	4,977.7	-112.3	814.7	1.39	0.73	6.22	-63.3	4.8	
5,166.0	10.20	117.53	5,072.1	-121.4	830.1	1.71	-1.19	-6.58	-63.2	-10.2	
5,262.0	8.88	98.37	5,166.8	-126.4	845.0	3.56	-1.37	-19.96	-52.4	-33.6	



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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)
5,359.0	7.21	94.32	5,262.8	-128.0	858.5	1.82	-1.72	-4.18	-43.7	-37.2
5,455.0	5.80	92.21	5,358.2	-128.6	869.3	1.49	-1.47	-2.20	-33.7	-37.7
5,550.0	9.32	86.50	5,452.3	-128.4	881.8	3.78	3.71	-6.01	-23.3	-37.9
5,646.0	10.82	89.66	5,546.9	-127.8	898.6	1.66	1.56	3.29	-22.8	-34.0
5,742.0	11.08	89.66	5,641.1	-127.7	916.8	0.27	0.27	0.00	-21.7	-31.8
5,838.0	11.61	87.12	5,735.2	-127.2	935.7	0.76	0.55	-2.65	-19.9	-30.1
5,934.0	10.90	89.22	5,829.4	-126.6	954.4	0.85	-0.74	2.19	-20.4	-26.7
6,030.0	11.17	88.17	5,923.6	-126.1	972.8	0.35	0.28	-1.09	-19.0	-24.5
6,126.0	11.96	85.36	6,017.7	-125.0	992.0	1.01	0.82	-2.93	-17.9	-22.2
6,222.0	12.93	80.26	6,111.4	-122.4	1,012.5	1.53	1.01	-5.31	-17.9	-19.2
6,318.0	12.57	77.97	6,205.0	-118.4	1,033.3	0.65	-0.37	-2.39	-19.8	-14.3
6,414.0	11.61	76.48	6,298.9	-114.0	1,052.9	1.05	-1.00	-1.55	-21.2	-8.5
6,510.0	11.26	72.52	6,393.0	-108.9	1,071.2	0.90	-0.36	-4.12	-21.7	-2.8
6,606.0	11.78	71.29	6,487.1	-103.0	1,089.4	0.60	0.54	-1.28	-23.1	4.7
6,702.0	12.66	70.33	6,580.9	-96.3	1,108.6	0.94	0.92	-1.00	-26.0	12.6
6,797.0	12.93	68.48	6,673.5	-88.9	1,128.3	0.52	0.28	-1.95	-30.4	20.3
6,893.0	13.72	75.95	6,767.0	-82.2	1,149.4	1.97	0.82	7.78	-31.3	32.2
6,988.0	13.01	75.25	6,859.4	-76.7	1,170.6	0.77	-0.75	-0.74	-35.7	38.5
7,084.0	12.93	78.94	6,952.9	-71.9	1,191.6	0.87	-0.08	3.84	-36.2	47.1
7,179.0	11.61	85.44	7,045.8	-69.1	1,211.6	2.01	-1.39	6.84	-32.0	55.6
7,273.0	10.46	86.85	7,138.0	-67.9	1,229.5	1.26	-1.22	1.50	-29.8	59.7
7,369.0	9.58	94.76	7,232.6	-68.1	1,246.2	1.70	-0.92	8.24	-18.6	64.8
7,465.0	9.15	97.04	7,327.3	-69.7	1,261.7	0.59	-0.45	2.37	-12.2	65.5
7,561.0	7.83	100.56	7,422.2	-71.8	1,275.7	1.48	-1.37	3.67	-5.3	65.3
7,656.0	5.89	97.75	7,516.6	-73.6	1,286.9	2.07	-2.04	-2.96	-6.1	64.2
7,752.0	5.54	94.23	7,612.1	-74.6	1,296.4	0.52	-0.36	-3.67	-8.8	63.8
7,848.0	4.84	100.30	7,707.7	-75.7	1,305.0	0.93	-0.73	6.32	-3.1	64.3



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	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)
7,944.0	3.43	105.13	7,803.4	-77.2	1,311.8	1.51	-1.47	5.03	-0.3	64.0
8,027.4	2.67	135.01	7,886.7	-79.2	1,315.6	2.08	-0.91	35.84	28.4	56.1
Brushy Top(LW 28 FC #708H)										
8,040.0	2.64	140.64	7,899.3	-79.6	1,316.0	2.08	-0.26	44.55	33.2	53.1
8,135.0	2.37	171.58	7,994.2	-83.3	1,317.6	1.43	-0.28	32.57	51.9	29.6
8,231.0	2.20	181.60	8,090.1	-87.1	1,317.9	0.45	-0.18	10.44	52.5	20.4
8,326.0	2.11	187.48	8,185.1	-90.6	1,317.6	0.25	-0.09	6.19	50.8	15.1
8,422.0	2.11	179.40	8,281.0	-94.2	1,317.4	0.31	0.00	-8.42	44.6	21.9
8,518.0	2.02	173.86	8,376.9	-97.6	1,317.6	0.23	-0.09	-5.77	38.8	25.9
8,614.0	2.29	168.68	8,472.9	-101.2	1,318.2	0.35	0.28	-5.40	32.7	29.2
8,710.0	1.76	169.73	8,568.8	-104.5	1,318.8	0.55	-0.55	1.09	29.9	28.6
8,806.0	1.85	162.96	8,664.8	-107.4	1,319.5	0.24	0.09	-7.05	23.3	31.7
8,901.0	1.67	163.75	8,759.7	-110.2	1,320.3	0.19	-0.19	0.83	20.8	31.4
8,998.0	1.23	148.90	8,856.7	-112.5	1,321.3	0.59	-0.45	-15.31	9.7	35.3
9,093.0	0.88	168.24	8,951.7	-114.1	1,322.0	0.52	-0.37	20.36	19.1	30.5
9,189.0	0.35	203.48	9,047.7	-115.1	1,322.0	0.65	-0.55	36.71	32.3	14.3
9,285.0	0.62	244.09	9,143.7	-115.6	1,321.4	0.44	0.28	42.30	33.1	-10.0
9,381.0	0.70	265.71	9,239.7	-115.8	1,320.4	0.27	0.08	22.52	26.0	-21.3
9,573.0	0.88	321.61	9,431.7	-114.8	1,318.3	0.39	0.09	29.11	-5.2	-32.5
9,669.0	1.23	331.89	9,527.6	-113.3	1,317.3	0.41	0.36	10.71	-12.6	-30.9
9,765.0	0.88	346.04	9,623.6	-111.6	1,316.7	0.45	-0.36	14.74	-21.6	-26.7
9,861.0	1.41	1.95	9,719.6	-109.7	1,316.5	0.64	0.55	16.57	-29.9	-19.5
9,957.0	1.58	8.01	9,815.6	-107.3	1,316.7	0.24	0.18	6.31	-34.3	-16.1
10,053.0	2.37	5.90	9,911.5	-104.0	1,317.1	0.83	0.82	-2.20	-37.0	-17.4
10,149.0	2.64	2.74	10,007.4	-99.8	1,317.4	0.32	0.28	-3.29	-40.2	-19.6
10,245.0	2.02	352.63	10,103.3	-95.9	1,317.3	0.77	-0.65	-10.53	-40.0	-26.7
10,341.0	2.81	356.15	10,199.3	-91.9	1,317.0	0.84	0.82	3.67	-45.6	-24.1



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	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)	
10,393.2	2.86	356.39	10,251.4	-89.3	1,316.8	0.10	0.09	0.46	-48.3	-23.9	
FTP Crossing, MD:10393.2', TVD:10251.4', N/S:-89.3', E/W:1316.8', INC:2.86											
10,437.0	2.90	356.59	10,295.1	-87.1	1,316.7	0.10	0.09	0.45	-50.6	-23.7	
10,533.0	2.90	2.92	10,391.0	-82.3	1,316.6	0.33	0.00	6.59	-57.7	-17.7	
10,629.0	2.64	44.93	10,486.9	-78.3	1,318.3	2.08	-0.27	43.76	-58.8	27.1	
10,725.0	1.76	95.29	10,582.8	-76.8	1,321.4	2.12	-0.92	52.46	-19.5	64.2	
10,821.0	0.97	93.18	10,678.8	-77.0	1,323.6	0.82	-0.82	-2.20	-24.1	63.4	
10,917.0	0.35	71.65	10,774.8	-77.0	1,324.7	0.68	-0.65	-22.43	-46.8	49.8	
11,013.0	0.53	46.95	10,870.8	-76.6	1,325.3	0.27	0.19	-25.73	-64.0	25.6	
11,109.0	0.53	76.04	10,966.8	-76.2	1,326.1	0.28	0.00	30.30	-44.3	53.7	
11,205.0	0.88	92.48	11,062.8	-76.1	1,327.2	0.42	0.36	17.12	-28.5	64.2	
11,301.0	0.88	114.01	11,158.8	-76.4	1,328.7	0.34	0.00	22.43	-4.4	70.5	
11,397.0	1.23	133.08	11,254.8	-77.4	1,330.1	0.51	0.36	19.86	17.2	68.3	
11,493.0	1.06	145.47	11,350.7	-78.9	1,331.3	0.31	-0.18	12.91	29.5	63.2	
11,589.0	1.93	158.48	11,446.7	-81.1	1,332.4	0.97	0.91	13.55	40.5	55.1	
11,685.0	1.14	183.97	11,542.7	-83.6	1,333.0	1.07	-0.82	26.55	57.9	33.0	
11,781.0	1.93	245.41	11,638.7	-85.2	1,331.4	1.78	0.82	64.00	54.6	-34.2	
11,877.0	1.49	312.73	11,734.6	-85.0	1,329.0	2.01	-0.46	70.12	-12.4	-62.1	
11,973.0	1.49	279.42	11,830.6	-84.0	1,326.9	0.89	0.00	-34.70	21.5	-59.4	
12,026.0	1.14	287.68	11,883.6	-83.7	1,325.7	0.75	-0.66	15.58	11.5	-61.7	
12,136.0	0.44	345.60	11,993.6	-82.9	1,324.6	0.89	-0.64	52.65	-47.2	-41.6	
12,232.0	0.79	1.16	12,089.6	-81.9	1,324.5	0.40	0.36	16.21	-57.6	-27.3	
12,284.0	5.69	350.46	12,141.5	-79.0	1,324.1	9.46	9.42	-20.58	-54.4	-37.7	
KOP, MD:12284.0', TVD:12141.5', N/S:-79.0', E/W:1324.1', INC:5.69											
12,328.0	9.85	349.73	12,185.0	-73.2	1,323.0	9.46	9.45	-1.65	-57.2	-37.8	
12,424.0	21.98	349.03	12,277.2	-47.3	1,318.1	12.64	12.64	-0.73	-61.7	-33.9	
12,520.0	32.71	351.49	12,362.3	-3.9	1,310.8	11.24	11.18	2.56	-64.8	-23.7	



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	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)
12,616.0	42.56	351.14	12,438.3	53.9	1,302.0	10.26	10.26	-0.36	-61.5	-13.8
12,638.7	44.92	350.86	12,454.6	69.4	1,299.5	10.47	10.43	-1.25	-59.8	-11.2
FTP(LW 28 FC #708H)										
12,712.0	52.58	350.08	12,503.0	123.8	1,290.4	10.47	10.44	-1.06	-52.7	-1.0
12,808.0	62.17	353.42	12,554.7	203.7	1,278.9	10.41	9.99	3.48	-38.4	13.0
12,904.0	71.49	359.31	12,592.4	291.6	1,273.5	11.22	9.71	6.14	-18.7	19.1
13,000.0	80.81	0.72	12,615.4	384.7	1,273.5	9.81	9.71	1.47	2.0	18.0
13,096.0	89.60	359.22	12,623.4	480.3	1,273.5	9.29	9.16	-1.56	10.9	17.3
13,192.0	89.34	0.72	12,624.3	576.3	1,273.4	1.59	-0.27	1.56	12.6	16.5
13,288.0	86.70	4.06	12,627.6	672.1	1,277.4	4.43	-2.75	3.48	16.8	11.7
13,384.0	87.05	4.85	12,632.8	767.7	1,284.9	0.90	0.36	0.82	22.8	3.5
13,480.0	87.32	0.45	12,637.6	863.4	1,289.3	4.59	0.28	-4.58	28.4	-1.8
13,576.0	89.52	358.43	12,640.2	959.4	1,288.4	3.11	2.29	-2.10	31.9	-1.7
13,672.0	90.75	358.87	12,640.0	1,055.4	1,286.1	1.36	1.28	0.46	32.5	-0.2
13,768.0	90.92	0.19	12,638.6	1,151.4	1,285.3	1.39	0.18	1.37	32.0	-0.2
13,864.0	88.81	0.89	12,638.8	1,247.3	1,286.2	2.32	-2.20	0.73	33.0	-2.0
13,950.3	89.75	1.98	12,639.9	1,333.6	1,288.4	1.67	1.09	1.27	34.9	-4.8
TGT#1(LW 28 FC #708H)										
13,961.0	89.87	2.12	12,639.9	1,344.3	1,288.8	1.67	1.09	1.27	35.0	-5.3
14,057.0	86.17	0.98	12,643.2	1,440.2	1,291.4	4.03	-3.85	-1.19	39.0	-8.8
14,153.0	86.53	359.84	12,649.4	1,536.0	1,292.1	1.24	0.37	-1.19	45.8	-10.3
14,249.0	88.64	356.06	12,653.4	1,631.8	1,288.6	4.51	2.20	-3.94	50.5	-7.6
14,345.0	91.01	356.32	12,653.7	1,727.6	1,282.2	2.48	2.47	0.27	51.4	-2.1
14,441.0	92.42	358.35	12,650.8	1,823.4	1,277.8	2.57	1.47	2.11	49.2	1.6
14,537.0	95.06	359.40	12,644.6	1,919.2	1,275.9	2.96	2.75	1.09	43.6	2.7
14,633.0	91.28	0.28	12,639.2	2,015.0	1,275.6	4.04	-3.94	0.92	39.0	2.1
14,729.0	89.60	2.12	12,638.5	2,111.0	1,277.7	2.60	-1.75	1.92	38.9	-0.7



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	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)
14,825.0	89.34	2.74	12,639.4	2,206.9	1,281.7	0.70	-0.27	0.65	40.5	-5.6
14,921.0	90.66	3.53	12,639.4	2,302.8	1,287.0	1.60	1.37	0.82	41.2	-11.6
15,017.0	89.43	1.69	12,639.3	2,398.7	1,291.3	2.31	-1.28	-1.92	41.8	-16.8
15,113.0	90.22	1.51	12,639.6	2,494.6	1,294.0	0.84	0.82	-0.19	42.7	-20.3
15,209.0	90.13	0.28	12,639.3	2,590.6	1,295.5	1.28	-0.09	-1.28	43.1	-22.6
15,305.0	89.96	359.40	12,639.2	2,686.6	1,295.3	0.93	-0.18	-0.92	43.7	-23.2
15,401.0	91.01	1.60	12,638.4	2,782.6	1,296.1	2.54	1.09	2.29	43.6	-24.8
15,497.0	89.16	358.35	12,638.3	2,878.6	1,296.0	3.90	-1.93	-3.39	44.1	-25.6
15,593.0	91.10	358.26	12,638.1	2,974.5	1,293.2	2.02	2.02	-0.09	44.5	-23.6
15,689.0	89.69	0.10	12,637.4	3,070.5	1,291.8	2.41	-1.47	1.92	44.5	-23.0
15,785.0	91.36	1.33	12,636.5	3,166.5	1,293.0	2.16	1.74	1.28	44.3	-25.0
15,881.0	87.05	359.05	12,637.9	3,262.5	1,293.4	5.08	-4.49	-2.37	46.3	-26.2
15,977.0	86.88	358.87	12,642.9	3,358.3	1,291.6	0.26	-0.18	-0.19	52.1	-25.2
16,073.0	90.57	358.61	12,645.1	3,454.3	1,289.5	3.85	3.84	-0.27	54.9	-23.9
16,169.0	93.12	359.31	12,642.0	3,550.2	1,287.8	2.75	2.66	0.73	52.5	-23.0
16,265.0	91.10	1.69	12,638.5	3,646.1	1,288.6	3.25	-2.10	2.48	49.6	-24.6
16,361.0	90.31	0.81	12,637.3	3,742.1	1,290.7	1.23	-0.82	-0.92	49.1	-27.5
16,457.0	90.48	358.87	12,636.6	3,838.1	1,290.4	2.03	0.18	-2.02	49.1	-28.1
16,553.0	88.90	357.91	12,637.1	3,934.0	1,287.7	1.93	-1.65	-1.00	50.3	-26.2
16,649.0	89.34	359.05	12,638.6	4,030.0	1,285.2	1.27	0.46	1.19	52.4	-24.5
16,745.0	91.10	359.31	12,638.2	4,126.0	1,283.8	1.85	1.83	0.27	52.7	-23.9
16,841.0	89.69	357.12	12,637.6	4,221.9	1,280.8	2.71	-1.47	-2.28	52.7	-21.7
16,937.0	90.75	357.91	12,637.2	4,317.8	1,276.7	1.38	1.10	0.82	53.0	-18.4
17,033.0	89.08	358.61	12,637.4	4,413.8	1,273.7	1.89	-1.74	0.73	53.9	-16.3
17,129.0	88.99	358.43	12,639.0	4,509.7	1,271.3	0.21	-0.09	-0.19	56.1	-14.6
17,225.0	93.47	0.89	12,636.9	4,605.7	1,270.7	5.32	4.67	2.56	54.8	-14.8
17,321.0	86.97	358.52	12,636.5	4,701.6	1,270.2	7.21	-6.77	-2.47	55.0	-15.2



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	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)	
17,417.0	94.09	0.72	12,635.7	4,797.5	1,269.6	7.76	7.42	2.29	54.8	-15.3	
17,513.0	93.91	0.02	12,629.0	4,893.3	1,270.2	0.75	-0.19	-0.73	48.8	-16.8	
17,609.0	90.75	1.33	12,625.1	4,989.2	1,271.3	3.56	-3.29	1.36	45.6	-18.7	
17,667.5	92.14	2.13	12,623.6	5,047.7	1,273.1	2.74	2.38	1.37	44.5	-20.9	
Fed PP(LW 28 FC #708H)											
17,705.0	93.03	2.65	12,621.9	5,085.1	1,274.6	2.74	2.37	1.38	43.1	-22.8	
17,801.0	91.10	0.63	12,618.4	5,181.0	1,277.4	2.91	-2.01	-2.10	40.3	-26.4	
17,897.0	89.52	0.10	12,617.9	5,276.9	1,278.0	1.74	-1.65	-0.55	40.4	-27.8	
17,993.0	88.37	357.55	12,619.7	5,372.9	1,276.0	2.91	-1.20	-2.66	42.9	-26.7	
18,084.0	89.52	358.26	12,621.4	5,463.8	1,272.7	1.49	1.26	0.78	45.2	-24.1	
18,179.0	90.48	358.35	12,621.4	5,558.8	1,269.9	1.01	1.01	0.09	45.9	-22.1	
18,276.0	91.36	358.35	12,619.8	5,655.7	1,267.1	0.91	0.91	0.00	45.0	-20.1	
18,372.0	89.69	357.91	12,618.9	5,751.7	1,264.0	1.80	-1.74	-0.46	44.8	-17.8	
18,468.0	89.69	357.82	12,619.4	5,847.6	1,260.4	0.09	0.00	-0.09	46.0	-15.1	
18,564.0	90.66	357.99	12,619.1	5,943.5	1,256.9	1.03	1.01	0.18	46.3	-12.4	
18,660.0	91.45	358.17	12,617.4	6,039.5	1,253.7	0.84	0.82	0.19	45.2	-10.0	
18,755.0	90.66	356.76	12,615.6	6,134.3	1,249.5	1.70	-0.83	-1.48	44.1	-6.6	
18,851.0	90.57	357.20	12,614.6	6,230.2	1,244.4	0.47	-0.09	0.46	43.8	-2.3	
18,947.0	91.45	356.94	12,612.9	6,326.1	1,239.5	0.96	0.92	-0.27	42.8	1.8	
19,043.0	87.32	355.88	12,613.9	6,421.9	1,233.5	4.44	-4.30	-1.10	44.5	7.0	
19,139.0	87.67	355.53	12,618.1	6,517.5	1,226.3	0.52	0.36	-0.36	49.3	13.3	
19,235.0	89.69	358.43	12,620.3	6,613.3	1,221.3	3.68	2.10	3.02	52.2	17.6	
19,331.0	92.07	0.37	12,618.9	6,709.3	1,220.2	3.20	2.48	2.02	51.4	17.8	
19,427.0	93.21	1.25	12,614.4	6,805.2	1,221.6	1.50	1.19	0.92	47.6	15.7	
19,523.0	92.95	359.49	12,609.3	6,901.0	1,222.2	1.85	-0.27	-1.83	43.2	14.2	
19,619.0	92.33	356.50	12,604.9	6,996.9	1,218.9	3.18	-0.65	-3.11	39.4	16.7	
19,715.0	91.36	358.17	12,601.8	7,092.7	1,214.4	2.01	-1.01	1.74	37.0	20.4	



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	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)
19,811.0	90.92	357.64	12,599.9	7,188.6	1,210.9	0.72	-0.46	-0.55	35.8	23.1
19,907.0	92.07	359.05	12,597.4	7,284.5	1,208.1	1.89	1.20	1.47	33.9	25.0
20,003.0	92.95	0.02	12,593.2	7,380.4	1,207.3	1.36	0.92	1.01	30.4	25.0
20,098.0	93.03	0.72	12,588.2	7,475.3	1,208.0	0.74	0.08	0.74	26.1	23.6
20,194.0	92.33	1.25	12,583.7	7,571.2	1,209.6	0.91	-0.73	0.55	22.2	21.2
20,290.0	90.40	0.54	12,581.4	7,667.1	1,211.1	2.14	-2.01	-0.74	20.6	18.8
20,386.0	88.64	359.49	12,582.2	7,763.1	1,211.1	2.13	-1.83	-1.09	22.1	18.0
20,482.0	89.69	359.31	12,583.6	7,859.1	1,210.1	1.11	1.09	-0.19	24.2	18.2
20,578.0	90.04	0.19	12,583.9	7,955.1	1,209.7	0.99	0.36	0.92	25.1	17.8
20,694.0	92.15	0.10	12,581.6	8,071.1	1,210.0	1.82	1.82	-0.08	23.7	16.5
20,790.0	88.64	0.37	12,581.0	8,167.1	1,210.4	3.67	-3.66	0.28	23.7	15.3
20,887.0	88.90	0.81	12,583.1	8,264.0	1,211.4	0.53	0.27	0.45	26.4	13.5
20,982.0	89.60	1.42	12,584.3	8,359.0	1,213.2	0.98	0.74	0.64	28.4	10.8
21,078.0	88.64	0.28	12,585.8	8,455.0	1,214.7	1.55	-1.00	-1.19	30.5	8.6
21,175.0	89.08	0.45	12,587.7	8,552.0	1,215.3	0.49	0.45	0.18	33.1	7.2
21,270.0	87.85	0.19	12,590.2	8,646.9	1,215.8	1.32	-1.29	-0.27	36.3	5.8
21,366.0	89.69	0.81	12,592.3	8,742.9	1,216.7	2.02	1.92	0.65	39.0	4.2
21,404.9	91.35	1.33	12,592.0	8,781.8	1,217.4	4.48	4.27	1.35	39.0	3.1
TGT#2(LW 28 FC #708H)										
21,463.0	93.83	2.12	12,589.3	8,839.8	1,219.1	4.48	4.27	1.35	36.8	0.9
21,559.0	91.10	0.19	12,585.2	8,935.7	1,221.1	3.48	-2.84	-2.01	33.6	-1.9
21,655.0	90.04	358.79	12,584.2	9,031.7	1,220.2	1.83	-1.10	-1.46	33.4	-1.8
21,751.0	91.19	359.40	12,583.2	9,127.6	1,218.7	1.36	1.20	0.64	33.3	-1.1
21,847.0	90.40	359.31	12,581.9	9,223.6	1,217.6	0.83	-0.82	-0.09	32.8	-0.8
21,943.0	90.57	359.58	12,581.1	9,319.6	1,216.7	0.33	0.18	0.28	32.8	-0.7
22,038.0	88.02	358.79	12,582.2	9,414.6	1,215.3	2.81	-2.68	-0.83	34.8	-0.2
22,134.0	88.29	358.17	12,585.3	9,510.5	1,212.8	0.70	0.28	-0.65	38.7	1.5



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	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)
22,230.0	88.37	358.26	12,588.1	9,606.4	1,209.8	0.13	0.08	0.09	42.4	3.7
22,326.0	87.93	358.26	12,591.2	9,702.3	1,206.9	0.46	-0.46	0.00	46.3	5.8
22,422.0	87.93	359.05	12,594.7	9,798.2	1,204.6	0.82	0.00	0.82	50.6	7.3
22,518.0	94.18	1.51	12,592.9	9,894.2	1,205.1	7.00	6.51	2.56	49.7	6.0
22,614.0	91.89	0.89	12,587.8	9,990.0	1,207.1	2.47	-2.39	-0.65	45.5	3.2
22,710.0	91.98	0.28	12,584.6	10,085.9	1,208.1	0.64	0.09	-0.64	43.1	1.4
Last MWD Survey (MD=22710.0')										
22,883.0	91.98	0.28	12,578.6	10,258.8	1,208.9	0.00	0.00	0.00	38.6	-0.9
Projection to Bit (MD=22883.0') - PBHL(LW 28 FC #708H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,393.2	10,251.4	-89.3	1,316.8	FTP Crossing, MD:10393.2', TVD:10251.4', N/S:-89.3', E/W:1316.8', INC:2.86
12,284.0	12,141.5	-79.0	1,324.1	KOP, MD:12284.0', TVD:12141.5', N/S:-79.0', E/W:1324.1', INC:5.69
22,710.0	12,584.6	10,085.9	1,208.1	Last MWD Survey (MD=22710.0')
22,883.0	12,578.6	10,258.8	1,208.9	Projection to Bit (MD=22883.0')

Checked By: _____	Approved By: _____	Date: _____
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I certify this survey to be true and correct to the best of my belief and knowledge.

Kay Maddox 03/11/2021



Lea County, NM (NAD 83 NME)

Lakewood 28 Fed Com #708H

Plan #1

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

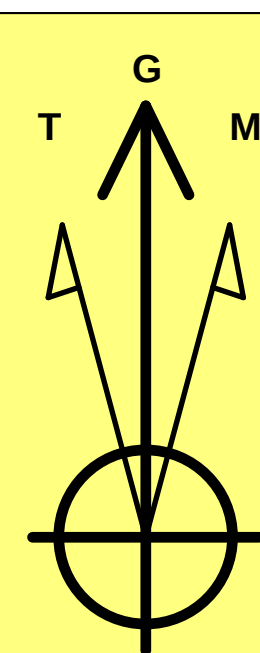
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #708H

KB = 26' @ 3341.0usft 3315.0
Northing 399277.00 Easting 806875.00 Latitude 32° 5' 41.243 N Longitude 103° 28' 33.091 W

Azimuths to Grid North
True North: -0.46°
Magnetic North: 6.11°

Magnetic Field
Strength: 47492.9nT
Dip Angle: 59.82°
Date: 10/30/2020
Model: IGRF2020



To convert a Magnetic Direction to a Grid Direction, Add 6.11°
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

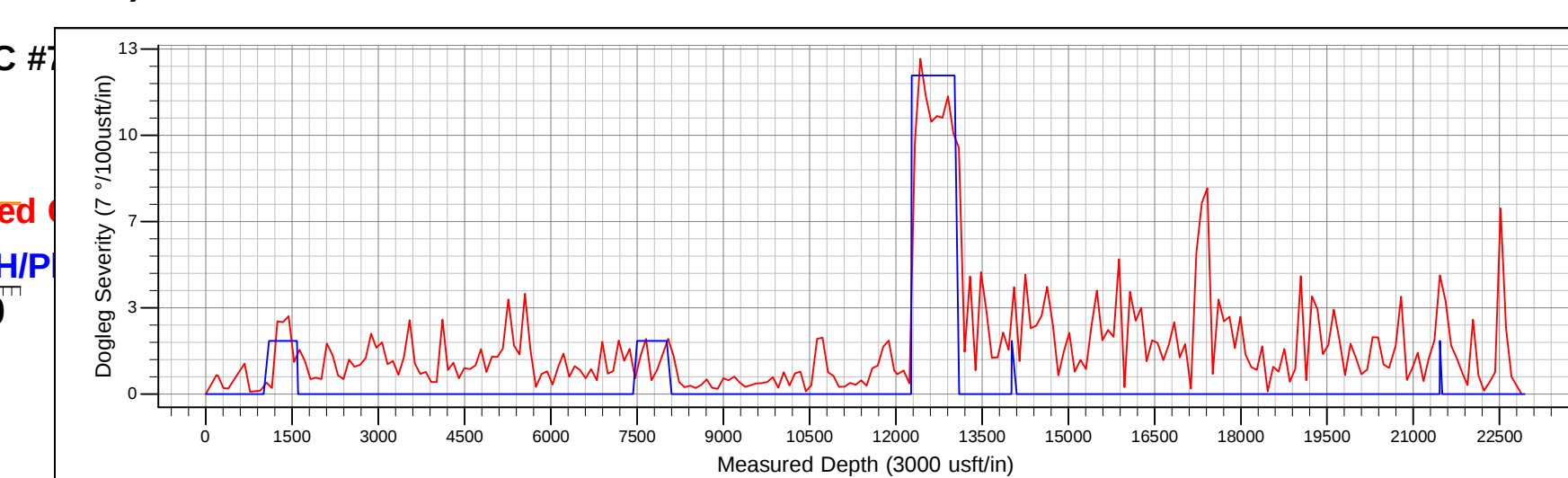
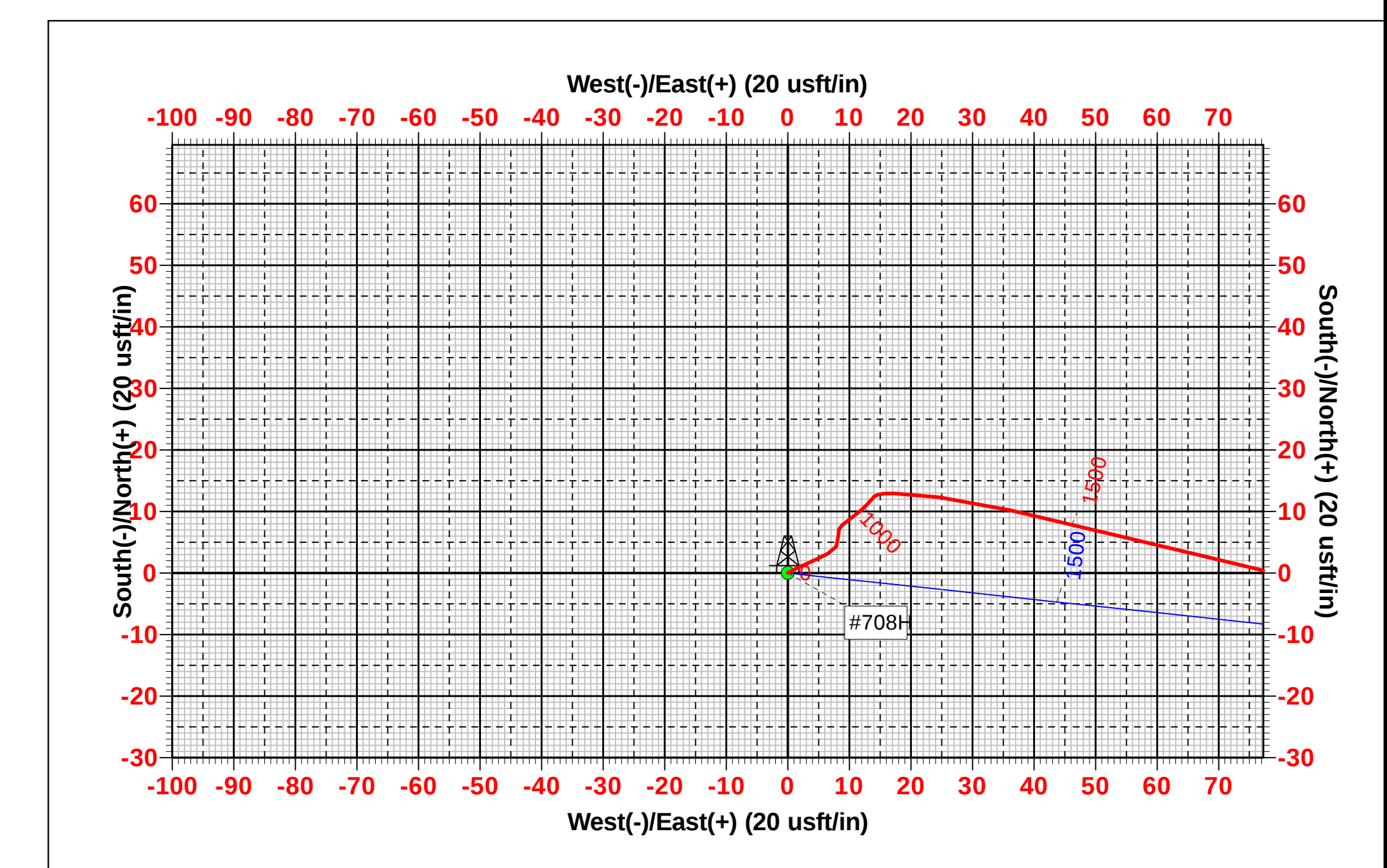
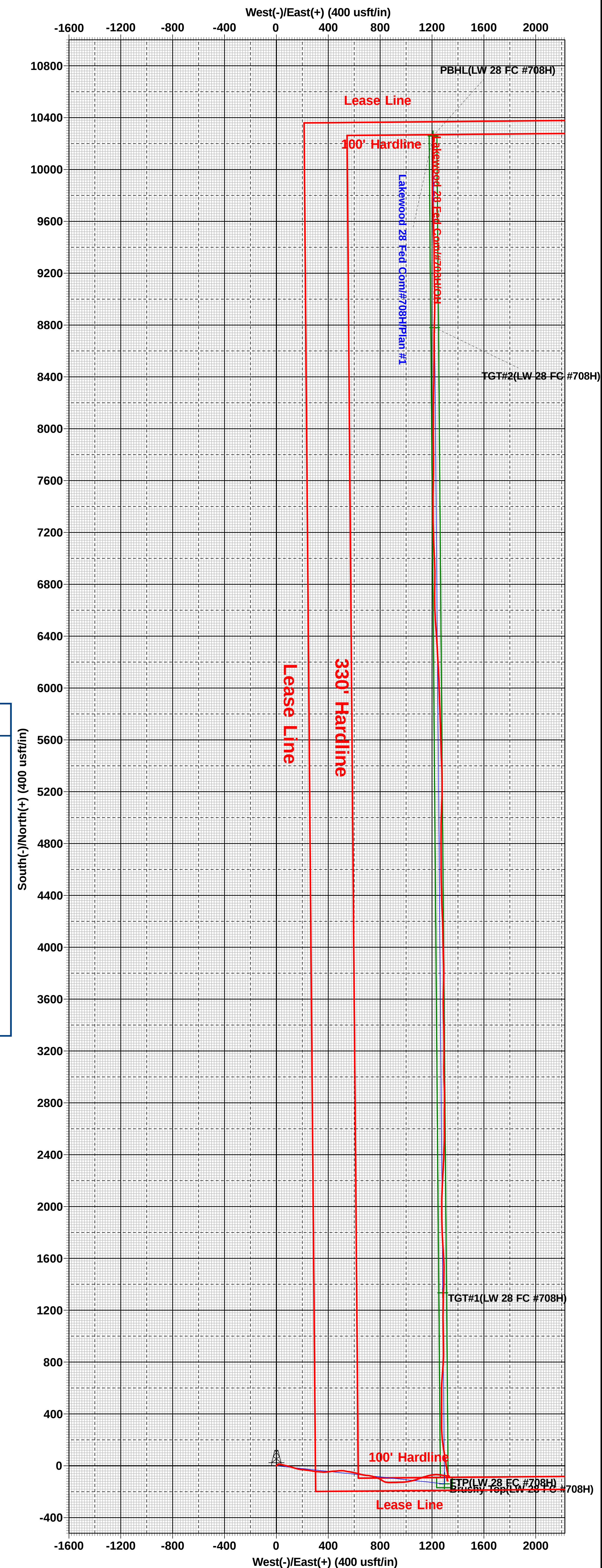
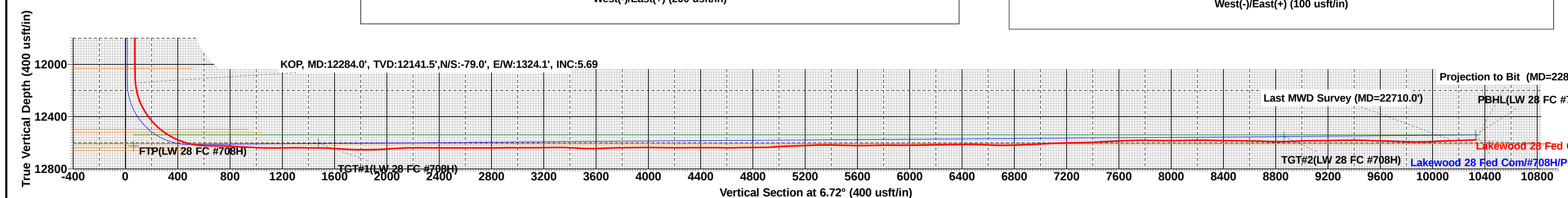
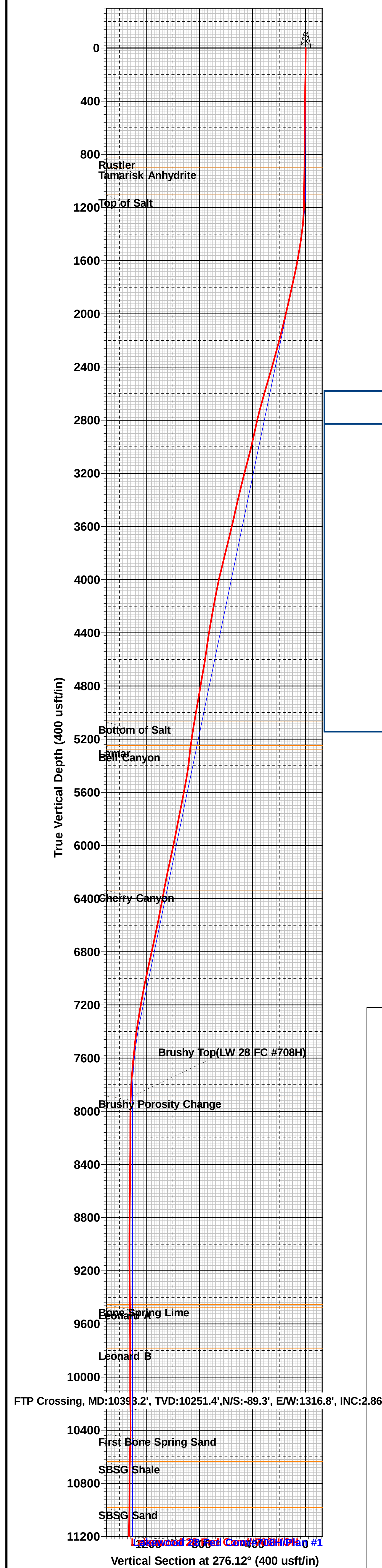
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
1584.5	11.69	96.12	1580.5	-6.3	59.1	2.00	96.12	0.6	
7430.9	11.69	96.12	7305.5	-132.7	1236.9	0.00	0.00	12.9	
8015.4	0.00	0.00	7886.0	-139.0	1296.0	2.00	180.00	13.5	Brushy Top(LW 28 FC #708H)
12265.7	0.00	0.00	12136.3	-139.0	1296.0	0.00	0.00	13.5	
13019.9	90.51	359.52	12613.7	342.7	1291.9	12.00	359.52	491.4	
14011.4	90.51	359.52	12605.0	1334.1	1283.5	0.00	0.00	1475.0	TGT#1(LW 28 FC #708H)
14016.7	90.40	359.52	12605.0	1339.4	1283.5	2.00	180.00	1480.3	
21458.2	90.40	359.52	12553.0	8780.5	1220.5	0.00	0.00	8863.0	TGT#2(LW 28 FC #708H)
21463.4	90.50	359.52	12553.0	8785.7	1220.5	2.00	0.00	8868.1	
22936.8	90.50	359.52	12540.0	10259.0	1208.0	0.00	0.00	10329.9	PBHL(LW 28 FC #708H)

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 #708H)	7886.0	-139.0	1296.0	399138.00	808171.00
PBHL(LW 28 FC #708H)	12540.0	10259.0	1208.0	409536.00	808083.00
TGT#2(LW 28 FC #708H)	12553.0	8780.5	1220.5	408057.50	808095.51
TGT#1(LW 28 FC #708H)	12605.0	1334.1	1283.5	400611.10	808158.53
FTP(LW 28 FC #708H)	12625.0	-89.0	1296.0	399188.00	808171.00



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 <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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					
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 LAKESWOOD 28 FEDERAL COM		
								6. Well Number: 708H		
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	2343	WEST	LEA
BH:	B	21	25S	34E		108	NORTH	1649	EAST	LEA
13. Date Spudded 10/20/2020	14. Date T.D. Reached 11/05/2020		15. Date Rig Released 11/06/2020			16. Date Completed (Ready to Produce) 02/20/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3316' GR		
18. Total Measured Depth of Well MD 22,883' TVD 12,578'			19. Plug Back Measured Depth MD 22,848 TVD 12,578'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run None		
22. Producing Interval(s), of this completion - Top, Bottom, Name WOLFCAMP 12,798 - 22,848'										
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		1,006'		12 1/4"		430 CL C/CIRC		
7 5/8"		29.7# ECP 110		12,080'		8 3/4"		1831 CL C & H/ TOC		26'
5 1/2"		20# HCP 110		22,856'		6 3/4"		1010 CL H TOC 9940'		CBL
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 12,798 - 22,848' 3 1/8", 2100 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,798 - 22,848'		FRAC W 24,899,450 lbs proppant, 394,608 bbls load fld		
28. PRODUCTION										
Date First Production 02/20/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 03/01/2021	Hours Tested 24	Choke Size 52	Prod'n For Test Period	Oil - Bbl 3237	Gas - MCF 5044	Water - Bbl. 8974	Gas - Oil Ratio 1558			
Flow Tubing Press.	Casing Pressure 2256	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 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			Name Kay Maddox			Title Senior Regulatory Specialist			Date 03/16/2021	
E-mail Address kay_maddox@eogresources.com										

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.

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	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

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.....

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

Action 20994

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 20994
	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

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811 S. First St., Artesia, NM 88210
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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 20994

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 20994
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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