

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

Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44873		² Pool Code 96434		³ Pool Name RED HILLS; BONE SPRING, NORTH KZ	
⁴ Property Code 321477		⁵ Property Name STONEWALL 28 FED COM			⁶ Well Number #308H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3497'

¹⁰Surface Location

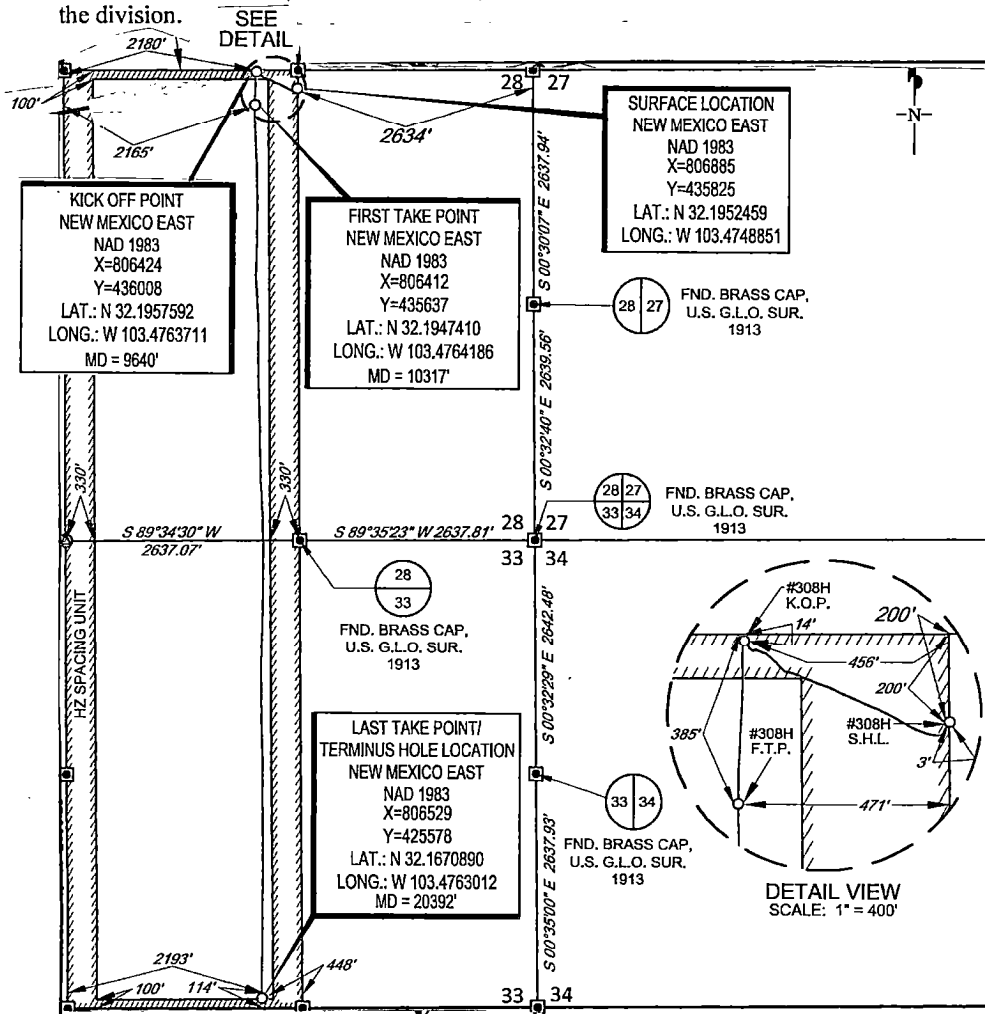
SL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	28	24-S	34-E	-	200'	NORTH	2634'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	33	24-S	34-E	-	114'	SOUTH	2193'	WEST	LEA

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

¹⁷OPERATOR 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 7/28/2020
Signature Date

KAY MADDOX

Printed Name

KAY_MADDOX@EOGRESOURCES.COM

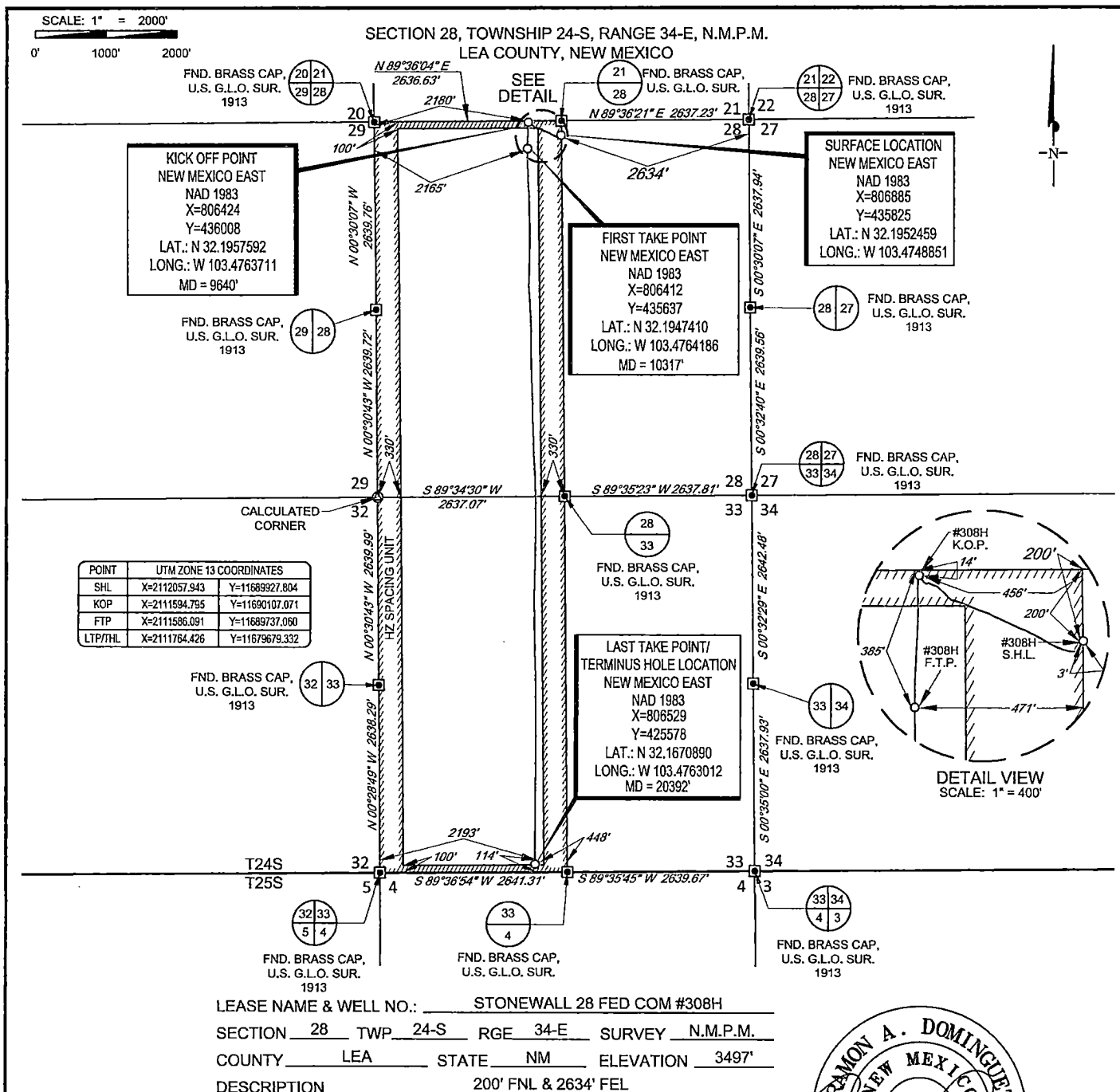
E-mail Address

¹⁸SURVEYOR 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.

11 AUG 11 2017
Date of Survey
Signature
MICHAEL BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number



eoeg resources, inc.

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 28, 2020

STONEWALL 28 FED COM #308H AS-COMplete	REVISION:		NOTES:
DATE: 02/28/2020			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.
FILE: AD_STONEWALL_28_FED_COM_308H			
DRAWN BY: H.B.			
SHEET: 1 OF 1			

Intent ☐ As Drilled ☒ XXX

API # 30-025-44873		
Operator Name: EOG RESOURCES, INC	Property Name: STONEWALL 28 FEDERAL COM	Well Number 308H

Kick Off Point (KOP)

UL C	Section 28	Township 24S	Range 34E	Lot	Feet 14	From N/S NORTH	Feet 2180	From E/W WEST	County LEA
Latitude 32.1957592					Longitude 103.4763711			NAD 1983	

First Take Point (FTP)

UL C	Section 28	Township 24S	Range 34E	Lot	Feet 385	From N/S NORTH	Feet 2165	From E/W WEST	County LEA
Latitude 32.1947410					Longitude 103.4764186			NAD 1983	

Last Take Point (LTP)

UL N	Section 33	Township 24S	Range 34E	Lot	Feet 114	From N/S SOUTH	Feet 2193	From E/W WEST	County LEA
Latitude 32.1670890					Longitude 103.4763012			NAD 1983	

Is this well the defining well for the Horizontal Spacing Unit? ☒ YESIs this well an infill well? ☐ NO

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

API #		
Operator Name: EOG RESOURCES, INC	Property Name:	Well Number

KZ 06/29/2018



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Stonewall 28 Fed Com

#308H

OH

Design: OH

Midland PVA

30 July, 2019

Rec'd 7/30/2020 - NMOCD



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #308H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB=25 @ 3522.0usft
Site:	Stonewall 28 Fed Com	MD Reference:	KB=25 @ 3522.0usft
Well:	#308H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Project	Lea County, NM (NAD 83 NME)	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

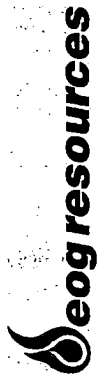
Site	Stonewall 28 Fed Com	Northings:	435,811.00 usft	Latitude:	32° 11' 42.907 N
Site Position:		Eastings:	804,872.00 usft	Longitude:	103° 28' 53.013 W
From:	Map	Slot Radius:	13-3/16 "	Grid Convergence:	0.45 °
Position Uncertainty:	0.0 usft				

Well	#308H	Northings:	435,825.00 usft	Latitude:	32° 11' 42.887 N
Well Position		Eastings:	806,885.00 usft	Longitude:	103° 28' 29.587 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,497.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/16/2019	6.68	60.02	47,716.75298899

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	181.93	

Survey Program	Date	7/30/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
179.0	20,392.0	Drilltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #308H
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Site:	Stonewall 28 Fed Com	MD Reference:	KB=25 @ 3522.0usft
Well:	#308H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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	0.00	0.0	0.0	0.00	0.00	0.00	0.0	0.0
	179.0	0.79	240.10	179.0	-0.6	-1.1	0.44	0.44	0.00	0.0	0.0
	237.0	0.62	222.61	237.0	-1.0	-1.6	0.47	-0.29	-30.16	0.0	0.0
	325.0	0.79	196.60	325.0	-2.0	-2.1	0.41	0.19	-29.56	0.0	0.0
	413.0	0.70	180.95	413.0	-3.1	-2.3	0.25	-0.10	-17.78	0.0	0.0
	502.0	0.79	201.08	502.0	-4.2	-2.5	0.31	0.10	22.62	0.0	0.0
	593.0	0.97	180.87	593.0	-5.6	-2.8	0.39	0.20	-22.21	0.0	0.0
	683.0	0.62	197.92	682.9	-6.8	-2.9	0.47	-0.39	18.94	0.0	0.0
	781.0	0.62	195.02	780.9	-7.8	-3.2	0.03	0.00	-2.96	0.0	0.0
	876.0	1.06	221.12	875.9	-9.0	-3.9	0.60	0.46	27.47	0.0	0.0
	970.0	1.76	213.74	969.9	-10.8	-5.3	0.77	0.74	-7.85	0.0	0.0
	1,065.0	2.73	200.11	1,064.8	-14.2	-6.9	1.16	1.02	-14.35	0.0	0.0
	1,159.0	3.52	205.39	1,158.7	-18.9	-8.9	0.89	0.84	5.62	0.0	0.0
	1,214.0	3.61	199.24	1,213.6	-22.0	-10.2	0.71	0.16	-11.18	0.0	0.0
	1,349.0	3.61	232.90	1,348.3	-28.6	-15.0	1.55	0.00	24.93	0.0	0.0
	1,444.0	4.84	262.69	1,443.1	-30.9	-21.4	2.60	1.29	31.36	0.0	0.0
	1,538.0	6.68	278.25	1,536.6	-30.6	-30.7	2.55	1.96	16.55	0.0	0.0
	1,632.0	7.39	283.26	1,629.9	-28.5	-42.0	1.00	0.76	5.33	0.0	0.0
	1,727.0	6.95	289.15	1,724.2	-25.2	-53.4	0.90	-0.46	6.20	0.0	0.0
	1,822.0	7.03	293.10	1,818.5	-21.0	-64.2	0.51	0.08	4.16	0.0	0.0
	1,916.0	6.68	292.93	1,911.8	-16.6	-74.5	0.37	-0.37	-0.18	0.0	0.0
	2,010.0	6.42	292.93	2,005.2	-12.5	-84.4	0.28	-0.28	0.00	0.0	0.0
	2,104.0	6.16	300.05	2,098.6	-7.9	-93.6	0.87	-0.28	7.57	0.0	0.0
	2,198.0	5.89	302.42	2,192.1	-2.8	-102.0	0.39	-0.29	2.52	0.0	0.0
	2,293.0	5.98	299.52	2,286.6	2.3	-110.4	0.33	0.09	-3.05	0.0	0.0
	2,387.0	6.33	296.62	2,380.0	7.0	-119.3	0.50	0.37	-3.09	0.0	0.0
	2,481.0	6.16	298.20	2,473.5	11.7	-128.4	0.26	-0.18	1.68	0.0	0.0



Midland PVA

Company: EOG Resources - Midland				Local Co-ordinate Reference:				Well #308H			
Project: Lea County, NM (NAD 83 NME)				TVD Reference:				KB=25 @ 3522.0usft			
Site: Stonewall 28 Fed Corn				MD Reference:				KB=25 @ 3522.0usft			
Well: #308H				North Reference:				Grid			
Wellbore: OH				Survey Calculation Method:				Minimum Curvature			
Design: OH				Database:				EDM 5000.14			
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)	
2,575.0	5.98	297.32	2,567.0	16.4	-137.2	0.22	-0.19	-0.94	0.0		
2,670.0	5.63	296.35	2,661.5	20.7	-145.8	0.38	-0.37	-1.02	0.0		
2,764.0	5.36	296.82	2,755.0	24.9	-153.7	0.38	-0.29	2.63	0.0		
2,859.0	5.63	292.40	2,849.6	28.8	-161.9	0.71	0.28	-6.76	0.0		
2,954.0	5.89	288.80	2,944.1	32.1	-170.9	0.47	0.27	-3.79	0.0		
3,048.0	5.72	292.93	3,037.6	35.5	-179.7	0.48	-0.18	4.39	0.0		
3,142.0	5.72	296.18	3,131.2	39.4	-188.3	0.34	0.00	3.46	0.0		
3,237.0	5.36	295.65	3,225.7	43.4	-196.5	0.38	-0.38	-0.56	0.0		
3,331.0	5.63	295.74	3,319.3	47.3	-204.6	0.29	0.29	0.10	0.0		
3,426.0	6.07	295.65	3,413.8	51.5	-213.3	0.46	0.46	-0.09	0.0		
3,520.0	5.54	294.07	3,507.3	55.5	-222.0	0.59	-0.56	-1.68	0.0		
3,614.0	5.54	291.35	3,600.9	59.0	-230.3	0.28	0.00	-2.89	0.0		
3,707.0	7.12	295.12	3,693.3	63.1	-239.7	1.76	1.70	4.05	0.0		
3,801.0	6.60	295.83	3,786.6	67.9	-249.9	0.56	-0.55	0.76	0.0		
3,896.0	5.98	295.21	3,881.1	72.4	-259.3	0.66	-0.65	-0.65	0.0		
3,990.0	5.72	294.95	3,974.6	76.5	-267.9	0.28	-0.28	-0.28	0.0		
4,085.0	5.72	287.57	4,069.1	79.9	-276.7	0.77	0.00	-7.77	0.0		
4,179.0	7.30	289.76	4,162.5	83.3	-286.8	1.70	1.68	2.33	0.0		
4,273.0	8.00	293.81	4,255.7	88.0	-298.4	0.94	0.74	4.31	0.0		
4,367.0	7.47	292.40	4,348.8	92.9	-310.1	0.60	-0.56	-1.50	0.0		
4,462.0	7.03	292.05	4,443.0	97.5	-321.2	0.47	-0.46	-0.37	0.0		
4,556.0	5.72	292.31	4,536.5	101.4	-330.8	1.39	-1.39	0.28	0.0		
4,651.0	4.22	291.78	4,631.1	104.5	-338.5	1.58	-1.58	-0.56	0.0		
4,745.0	3.87	289.06	4,724.9	106.8	-344.7	0.42	-0.37	-2.89	0.0		
4,839.0	3.87	288.18	4,818.6	108.9	-350.7	0.06	0.00	-0.94	0.0		
4,933.0	3.43	287.04	4,912.5	110.7	-356.4	0.47	-0.47	-1.21	0.0		
5,028.0	2.29	279.39	5,007.3	111.8	-361.0	1.26	-1.20	-8.05	0.0		



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #308H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB=25 @ 3522.0usft
Site:	Stonewall 28 Fed Com	MD Reference:	KB=25 @ 3522.0usft
Well:	#308H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
	5,122.0	1.76	277.99	5,101.3	112.3	-364.3	0.57	-0.56	-1.49	0.0	0.0
	5,186.0	1.85	284.84	5,165.2	112.7	-366.2	0.36	0.14	10.70	0.0	0.0
	5,297.0	1.23	285.37	5,276.2	113.5	-369.1	0.56	-0.56	0.48	0.6	0.0
	5,391.0	2.90	314.28	5,370.1	115.4	-371.8	2.04	1.78	30.76	0.1	-1.3
	5,486.0	4.04	316.92	5,465.0	119.6	-375.8	1.21	1.20	2.78	-0.5	-3.4
	5,580.0	3.87	314.46	5,558.7	124.2	-380.3	0.26	-0.18	-2.62	0.8	-5.9
	5,674.0	3.78	314.55	5,652.5	128.6	-384.8	0.10	-0.10	0.10	2.3	-8.3
	5,769.0	3.87	314.20	5,747.3	133.0	-389.3	0.10	0.09	-0.37	3.9	-10.7
	5,863.0	3.87	314.20	5,841.1	137.4	-393.9	0.00	0.00	0.00	5.4	-13.0
	5,957.0	3.78	311.30	5,934.9	141.7	-398.5	0.23	-0.10	-3.09	7.6	-14.9
	6,051.0	3.52	312.44	6,028.7	145.7	-402.9	0.29	-0.28	1.21	9.2	-17.0
	6,146.0	3.69	310.24	6,123.5	149.6	-407.4	0.23	0.18	-2.32	11.8	-18.6
	6,240.0	2.46	299.87	6,217.4	152.6	-411.5	1.43	-1.31	-11.03	15.7	-16.9
	6,335.0	1.85	286.95	6,312.3	154.1	-414.7	0.82	-0.64	-13.60	18.1	-13.0
	6,429.0	2.02	285.28	6,406.3	154.9	-417.8	0.19	0.18	-1.78	15.5	-12.5
	6,523.0	2.02	290.99	6,500.2	156.0	-420.9	0.21	0.00	6.07	10.9	-13.8
	6,618.0	1.85	289.41	6,595.1	157.1	-423.9	0.19	-0.18	-1.66	8.1	-13.5
	6,712.0	1.76	290.03	6,689.1	158.1	-426.7	0.10	-0.10	0.66	4.9	-13.6
	6,807.0	1.76	290.90	6,784.1	159.1	-429.4	0.03	0.00	0.92	1.8	-13.6
	6,901.0	1.67	293.28	6,878.0	160.1	-432.0	0.12	-0.10	2.53	-1.6	-13.6
	6,995.0	1.67	298.46	6,972.0	161.3	-434.5	0.16	0.00	5.51	-5.5	-13.3
	7,090.0	0.09	279.57	7,067.0	162.0	-435.8	1.67	-1.66	-19.88	-2.3	-14.8
	7,184.0	0.35	124.62	7,161.0	161.9	-435.6	0.46	0.28	-164.84	8.1	12.4
	7,279.0	0.26	95.08	7,256.0	161.7	-435.2	0.19	-0.09	-31.09	0.5	14.7
	7,373.0	0.09	170.67	7,350.0	161.6	-434.9	0.27	-0.18	80.41	14.2	3.4
	7,467.0	0.35	221.56	7,444.0	161.3	-435.1	0.32	0.28	54.14	11.3	-8.8
	7,562.0	0.53	233.25	7,539.0	160.8	-435.7	0.21	0.19	12.31	8.5	-10.9

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #308H
Project:	Lea County, NM (NAD 83 NME)	TYD Reference:	KB=25 @ 3522.0usft
Site:	Stonewall 28 Fed Com	MD Reference:	KB=25 @ 3522.0usft
Well:	#308H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey	MD (usft)	Inc. (°)	Azi (azimuth) (°)	TYD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	7,656.0	0.44	232.55	7,633.0	160.3	-436.3	0.10	-0.10	-0.74	7.9	-10.8
	7,750.0	0.35	229.82	7,726.9	159.9	-436.8	0.10	-0.10	-2.90	7.7	-10.4
	7,844.0	0.44	225.60	7,820.9	159.5	-437.3	0.10	0.10	-4.49	7.8	-9.8
	7,938.0	0.26	212.86	7,914.9	159.1	-437.7	0.21	-0.19	-13.55	9.2	-7.9
	8,032.0	0.26	285.02	8,008.9	159.9	-438.0	0.33	0.00	76.77	-5.0	-11.0
	8,126.0	0.53	276.84	8,102.9	159.0	-438.6	0.29	0.29	-8.70	-4.0	-11.7
	8,220.0	0.62	273.41	8,196.9	159.1	-439.6	0.10	0.10	-3.65	-4.3	-11.9
	8,314.0	0.70	290.73	8,290.9	159.4	-440.6	0.23	0.09	18.43	-8.7	-9.9
	8,408.0	0.88	294.24	8,384.9	159.9	-441.8	0.20	0.19	3.73	-10.6	-9.3
	8,502.0	0.88	296.53	8,478.9	160.5	-443.1	0.04	0.00	2.44	-12.4	-8.9
	8,597.0	1.14	310.15	8,573.9	161.4	-444.5	0.37	0.27	14.34	-15.8	-5.6
	8,691.0	1.41	312.79	8,667.9	162.8	-446.0	0.29	0.29	2.81	-18.1	-4.8
	8,785.0	1.58	319.38	8,761.8	164.6	-447.7	0.26	0.18	7.01	-21.0	-2.5
	8,880.0	1.58	317.01	8,856.8	166.5	-449.5	0.07	0.00	-2.49	-23.5	-3.5
	8,974.0	1.49	314.02	8,950.8	168.3	-451.2	0.13	-0.10	-3.18	-25.8	-4.7
	9,068.0	1.85	317.89	9,044.7	170.3	-453.1	0.40	0.38	4.12	-28.8	-2.9
	9,162.0	2.20	320.17	9,138.7	172.8	-455.3	0.38	0.37	2.43	-32.2	-1.7
	9,256.0	0.53	309.89	9,232.6	174.5	-456.8	1.79	-1.78	-10.94	-33.6	-7.7
	9,350.0	1.14	328.35	9,326.6	175.6	-457.6	0.70	0.65	19.64	-35.7	3.4
	9,444.0	1.93	342.94	9,420.6	177.9	-458.6	0.93	0.84	15.52	-36.1	12.5
	9,539.0	2.29	341.27	9,515.5	181.2	-459.7	0.38	0.38	-1.76	-40.0	11.4
	9,660.0	1.14	245.82	9,636.5	183.0	-461.5	2.19	-0.95	-78.88	-8.6	-43.3
	9,754.0	13.72	188.07	9,729.6	171.5	-464.0	13.99	13.38	-61.44	25.8	-32.0
	9,848.0	22.95	177.61	9,818.7	142.1	-464.8	10.39	9.82	-11.13	21.2	-28.2
	9,943.0	30.07	179.64	9,903.7	99.7	-463.8	7.55	7.49	2.14	11.7	-28.3
	10,037.0	42.30	181.81	9,979.4	44.4	-464.7	13.08	13.01	2.31	1.7	-29.7
	10,131.0	54.52	183.57	10,041.7	-25.7	-468.1	13.07	13.00	1.87	-12.6	-33.1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #308H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB=25 @ 3522.0usft
Site:	Stonewall 28 Fed Com	MD Reference:	KB=25 @ 3522.0usft
Well:	#308H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,226.0	60.59	182.16	10,092.6	-105.8	-472.1	6.51	6.39	-1.48	-25.7	-37.7
10,320.0	65.16	179.09	10,135.5	-189.4	-472.9	5.66	4.86	-3.27	-30.8	-40.0
10,414.0	76.68	179.09	10,166.2	-278.1	-471.5	12.26	12.26	0.00	-33.9	-39.3
10,508.0	78.52	179.00	10,186.3	-369.8	-470.0	1.96	1.96	-0.10	-31.5	-38.6
10,603.0	89.43	177.68	10,196.3	-464.1	-467.2	11.57	11.48	-1.39	-25.0	-36.6
10,697.0	90.92	177.86	10,196.0	-558.1	-463.6	1.60	1.59	0.19	-25.9	-33.8
10,791.0	88.29	178.12	10,196.7	-652.0	-460.3	2.81	-2.80	0.28	-25.9	-31.3
10,885.0	87.67	177.68	10,200.0	-745.9	-456.9	0.81	-0.66	-0.47	-23.3	-28.7
10,979.0	87.67	176.89	10,203.8	-839.7	-452.4	0.84	0.00	-0.84	-20.1	-25.1
11,073.0	90.04	179.09	10,205.7	-933.6	-449.1	3.44	2.52	2.34	-19.0	-22.6
11,167.0	90.04	179.26	10,205.6	-1,027.6	-447.8	0.18	0.00	0.18	-19.7	-22.0
11,261.0	89.96	179.26	10,205.6	-1,121.6	-446.5	0.09	-0.09	0.00	-20.4	-21.6
11,356.0	89.78	178.65	10,205.8	-1,216.6	-444.8	0.67	-0.19	-0.64	-20.9	-20.7
11,450.0	89.43	177.95	10,206.5	-1,310.5	-442.0	0.83	-0.37	-0.74	-20.9	-18.8
11,544.0	88.81	180.76	10,207.9	-1,404.5	-441.0	3.06	-0.66	2.99	-20.1	-18.5
11,638.0	88.55	180.76	10,210.1	-1,498.5	-442.2	0.28	-0.28	0.00	-18.7	-20.6
11,732.0	88.72	180.67	10,212.3	-1,592.4	-443.4	0.20	0.18	-0.10	-17.1	-22.6
11,827.0	89.52	181.02	10,213.8	-1,687.4	-444.8	0.92	0.84	0.37	-16.3	-24.8
11,921.0	88.55	180.93	10,215.4	-1,781.4	-446.4	1.04	-1.03	-0.10	-15.4	-27.2
12,015.0	90.31	181.73	10,216.3	-1,875.3	-448.6	2.06	1.87	0.85	-15.2	-30.3
12,109.0	91.36	182.52	10,214.9	-1,969.3	-452.0	1.40	1.12	0.84	-17.2	-34.6
12,204.0	92.59	180.32	10,211.6	-2,064.2	-454.4	2.65	1.29	-2.32	-21.1	-37.8
12,298.0	92.33	179.00	10,207.6	-2,158.1	-453.8	1.43	-0.28	-1.40	-25.9	-38.0
12,392.0	87.49	174.78	10,207.8	-2,251.9	-448.7	6.83	-5.15	-4.49	-26.4	-33.8
12,486.0	87.49	175.22	10,211.9	-2,345.4	-440.6	0.47	0.00	0.47	-22.9	-26.4
12,580.0	88.81	176.89	10,214.9	-2,439.2	-434.1	2.26	1.40	1.78	-21.3	-20.8
12,675.0	85.82	176.45	10,219.4	-2,533.9	-428.6	3.18	-3.15	-0.46	-18.8	-16.2



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #308H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB=25 @ 3522.0usft
Site:	Stonewall 28 Fed Com	MD Reference:	KB=25 @ 3522.0usft
Well:	#308H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
	12,769.0	87.05	177.42	10,225.2	-2,627.6	-423.6	1.67	1.31	1.03	-14.9	-12.0
	12,811.0	88.81	178.56	10,226.7	-2,669.5	-422.1	4.99	4.19	2.71	-14.2	-10.9
	12,864.0	89.69	179.18	10,227.4	-2,722.5	-421.1	2.03	1.66	1.17	-14.6	-10.3
	12,911.0	91.54	180.06	10,226.9	-2,769.5	-420.7	4.36	3.94	1.87	-16.1	-10.5
	12,958.0	91.63	179.79	10,225.6	-2,816.5	-420.7	0.61	0.19	-0.57	-18.3	-10.8
	13,052.0	91.36	179.97	10,223.2	-2,910.4	-420.5	0.35	-0.29	0.19	-22.7	-11.5
	13,146.0	91.01	179.44	10,221.2	-3,004.4	-420.0	0.68	-0.37	-0.56	-26.6	-11.9
	13,240.0	90.04	179.79	10,220.4	-3,098.4	-419.4	1.10	-1.03	0.37	-29.4	-12.1
	13,335.0	89.78	179.44	10,220.5	-3,193.4	-418.7	0.46	-0.27	-0.37	-31.2	-12.4
	13,429.0	88.99	178.21	10,221.5	-3,287.4	-416.8	1.56	-0.84	-1.31	-32.1	-11.3
	13,523.0	89.25	178.65	10,223.0	-3,381.3	-414.2	0.54	0.28	0.47	-32.5	-9.6
	13,618.0	88.99	178.03	10,224.4	-3,476.3	-411.5	0.71	-0.27	-0.65	-33.0	-7.8
	13,712.0	87.76	177.51	10,227.1	-3,570.2	-407.8	1.42	-1.31	-0.55	-32.3	-5.0
	13,806.0	87.49	177.07	10,231.0	-3,664.0	-403.4	0.55	-0.29	-0.47	-30.3	-1.4
	13,900.0	86.61	178.56	10,235.8	-3,757.8	-399.8	1.84	-0.94	1.59	-27.4	1.3
	13,994.0	88.11	179.88	10,240.1	-3,851.7	-398.5	2.12	1.60	1.40	-25.0	1.7
	14,089.0	88.72	179.53	10,242.8	-3,946.6	-398.0	0.74	0.64	-0.37	-24.3	1.3
	14,183.0	88.37	178.39	10,245.2	-4,040.6	-396.3	1.27	-0.37	-1.21	-23.8	2.2
	14,277.0	87.76	177.86	10,248.3	-4,134.5	-393.3	0.86	-0.65	-0.56	-22.6	4.0
	14,371.0	90.84	177.68	10,249.5	-4,228.4	-389.6	3.28	3.28	-0.19	-23.2	3.8
	14,466.0	90.57	178.74	10,248.3	-4,323.3	-386.6	1.15	-0.28	1.12	-26.1	0.3
	14,560.0	88.46	177.95	10,249.1	-4,417.3	-383.9	2.40	-2.24	-0.84	-27.0	-3.6
	14,654.0	88.29	176.89	10,251.8	-4,511.2	-379.7	1.14	-0.18	-1.13	-26.0	-6.0
	14,749.0	84.68	176.89	10,257.6	-4,605.8	-374.5	3.80	-3.80	0.00	-21.8	-6.3
	14,843.0	84.77	176.89	10,266.2	-4,699.3	-369.5	0.10	0.10	0.00	-14.7	-3.5
	14,937.0	86.97	177.68	10,273.0	-4,792.9	-365.0	2.49	2.34	0.84	-9.4	1.4
	15,031.0	87.05	177.95	10,277.9	-4,886.7	-361.4	0.30	0.09	0.29	-5.9	5.8



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #308H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB=25 @ 3522.0usft
Site:	Stonewall 28 Fed Com	MD Reference:	KB=25 @ 3522.0usft
Well:	#308H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
	15,125.0	88.29	179.53	10,281.7	-4,980.6	-359.4	2.14	1.32	1.68	-3.5	8.6
	15,219.0	89.25	178.56	10,283.7	-5,074.6	-357.8	1.45	1.02	-1.03	-2.9	11.0
	15,313.0	88.72	178.47	10,285.4	-5,168.6	-355.4	0.57	-0.56	-0.10	-2.6	14.3
	15,408.0	88.02	179.35	10,288.1	-5,263.5	-353.6	1.18	-0.74	0.93	-1.3	16.9
	15,502.0	86.26	179.79	10,292.8	-5,357.4	-352.9	1.93	-1.87	0.47	1.9	18.5
	15,596.0	88.11	180.23	10,297.4	-5,451.3	-352.9	2.02	1.97	0.47	5.2	19.3
	15,690.0	88.99	179.79	10,299.8	-5,545.2	-352.9	1.05	0.94	-0.47	6.1	20.1
	15,784.0	90.31	181.81	10,300.4	-5,639.2	-354.2	2.57	1.40	2.15	5.3	19.6
	15,878.0	89.25	180.67	10,300.7	-5,733.2	-356.2	1.66	-1.13	-1.21	4.3	18.4
	15,972.0	89.08	181.37	10,302.1	-5,827.2	-357.9	0.77	-0.18	0.74	4.2	17.5
	16,066.0	87.41	180.76	10,305.0	-5,921.1	-359.7	1.89	-1.78	-0.65	5.7	16.6
	16,160.0	87.41	180.93	10,309.2	-6,015.0	-361.1	0.18	0.00	0.18	8.5	16.0
	16,255.0	88.20	181.73	10,312.9	-6,109.9	-363.3	1.18	0.83	0.84	10.7	14.6
	16,349.0	87.41	181.73	10,316.5	-6,203.8	-366.1	0.84	-0.84	0.00	12.9	12.6
	16,537.0	90.22	180.51	10,320.4	-6,391.7	-369.8	1.63	1.49	-0.65	14.3	9.5
	16,631.0	90.48	180.42	10,319.8	-6,485.7	-370.5	0.29	0.28	-0.10	12.8	7.9
	16,725.0	90.13	180.07	10,319.3	-6,579.7	-370.9	0.53	-0.37	-0.37	11.4	6.6
	16,819.0	89.25	179.10	10,319.8	-6,673.7	-370.2	1.39	-0.94	-1.03	11.0	6.5
	16,914.0	88.90	178.92	10,321.3	-6,768.6	-368.6	0.41	-0.37	-0.19	11.6	7.2
	17,008.0	90.75	179.63	10,321.6	-6,862.6	-367.4	2.11	1.97	0.76	11.0	7.6
	17,102.0	90.92	179.36	10,320.2	-6,956.6	-366.6	0.34	0.18	-0.29	8.7	7.6
	17,196.0	90.84	179.10	10,318.8	-7,050.6	-365.3	0.29	-0.09	-0.28	6.3	8.0
	17,291.0	90.75	178.75	10,317.5	-7,145.6	-363.5	0.38	-0.09	-0.37	4.1	8.9
	17,385.0	89.43	178.75	10,317.3	-7,239.5	-361.5	1.40	-1.40	0.00	3.0	10.2
	17,479.0	90.40	178.57	10,317.5	-7,333.5	-359.3	1.05	1.03	-0.19	2.2	11.5
	17,574.0	89.69	178.31	10,317.4	-7,428.5	-356.7	0.80	-0.75	-0.27	1.2	13.3
	17,669.0	88.90	177.69	10,318.6	-7,523.4	-353.4	1.06	-0.83	-0.65	1.5	15.7



Midland PVA

Company: EOG Resources - Midland			Local Co-ordinate Reference:				Well #308H			
Project: Lea County, NM (NAD 83 NME)			TVD Reference:				KB=25 @ 3522.0usft			
Site: Stonewall 28 Fed Com			MD Reference:				KB=25 @ 3522.0usft			
Well: #308H			North Reference:				Grid			
Wellbore: OH			Survey Calculation Method:				Minimum Curvature			
Design: OH			Database:				EDM 5000.14			
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)
17,763.0	89.08	180.07	10,320.2	-7,617.4	-351.6	2.54	0.19	2.53	2.2	16.7
17,857.0	87.58	179.80	10,323.0	-7,711.3	-351.5	1.62	-1.60	-0.29	4.0	16.0
17,952.0	88.46	179.89	10,326.2	-7,806.3	-351.2	0.93	0.93	0.09	6.4	15.4
18,046.0	88.55	179.63	10,328.7	-7,900.2	-350.8	0.29	0.10	-0.28	7.9	14.9
18,141.0	88.11	179.54	10,331.5	-7,995.2	-350.1	0.47	-0.46	-0.09	9.8	14.8
18,235.0	88.34	179.71	10,333.6	-8,089.2	-349.5	1.32	1.31	0.18	10.9	14.6
18,329.0	89.25	179.71	10,334.7	-8,183.2	-349.0	0.10	-0.10	0.00	11.2	14.2
18,423.0	88.37	178.92	10,336.7	-8,277.1	-347.9	1.26	-0.94	-0.84	12.2	14.5
18,518.0	88.37	179.36	10,339.4	-8,372.1	-346.5	0.46	0.00	0.46	14.0	15.1
18,612.0	90.13	180.24	10,340.6	-8,466.1	-346.1	2.09	1.87	0.94	14.3	14.5
18,706.0	90.31	180.24	10,340.2	-8,560.1	-346.5	0.19	0.19	0.00	13.0	13.3
18,800.0	91.45	180.86	10,338.8	-8,654.0	-347.4	1.38	1.21	0.66	10.6	11.6
18,895.0	88.72	180.33	10,338.7	-8,749.0	-348.4	2.93	-2.87	-0.56	9.6	9.7
18,989.0	88.72	180.15	10,340.8	-8,843.0	-348.8	0.19	0.00	-0.19	10.8	8.5
19,083.0	88.90	180.33	10,342.7	-8,937.0	-349.2	0.27	0.19	0.19	12.0	7.3
19,176.0	89.96	179.89	10,343.6	-9,030.0	-349.4	1.23	1.14	-0.47	12.3	6.3
19,271.0	90.13	180.15	10,343.6	-9,125.0	-349.4	0.33	0.18	0.27	11.5	5.4
19,365.0	90.13	180.07	10,343.3	-9,219.0	-349.6	0.09	0.00	-0.09	10.7	4.4
19,459.0	90.31	180.24	10,343.0	-9,313.0	-349.9	0.26	0.19	0.18	9.6	3.3
19,554.0	90.22	179.63	10,342.5	-9,408.0	-349.8	0.65	-0.09	-0.64	8.5	2.6
19,648.0	89.96	179.89	10,342.4	-9,502.0	-349.4	0.39	-0.28	0.28	7.7	2.2
19,742.0	90.22	180.77	10,342.3	-9,596.0	-349.9	0.98	0.28	0.94	6.9	0.8
19,836.0	90.22	180.68	10,341.9	-9,690.0	-351.1	0.10	0.00	-0.10	5.9	-1.2
19,931.0	91.45	181.21	10,340.5	-9,784.9	-352.7	1.41	1.29	0.56	3.8	-3.6
20,025.0	89.08	180.94	10,340.1	-9,878.9	-354.4	2.54	-2.52	-0.29	2.7	-6.2
20,119.0	87.76	179.98	10,342.7	-9,972.9	-355.2	1.74	-1.40	-1.02	4.6	-7.7
20,214.0	86.61	180.33	10,347.3	-10,067.8	-355.4	1.27	-1.21	0.37	8.6	-8.8



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #308H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB=25 @ 3522.0usft
Site:	Stonewall 28 Fed Com	MD Reference:	KB=25 @ 3522.0usft
Well:	#308H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	Right to Plan (usft)
20,392.0	86.61	180.33	10,357.9	-10,245.4	-356.5	0.00	0.00	17.9	-11.4

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
9,640.0	9,616.5	183.1	-461.2	KOP, MD:9640.0', TVD:9616.5', N/S:183.1', EW:-461.2', INC:0.99
9,948.4	9,908.3	97.0	-463.8	FTP Crossing, MD:9948.4', TVD:9908.3', N/S:97.0', EW:-463.8', INC:30.77
20,214.0	10,347.3	-10,067.8	-355.4	Last MWD Survey (MD=20214.0')
20,392.0	10,357.9	-10,245.4	-356.5	Projection to Bit (MD=20392.0')

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 7/28/2020
Signed Date



Lea County, NM (NAD 83 NME)

Stonewall 28 Fed Com #308H

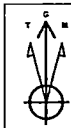
Plan #2

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: #308H

KB-25 @ 3522.0ust 3497.0
Northing 435825.00 Easting 806885.00 Latitude 32° 11' 42.597 N Longitude 103° 28' 29.597 W



Azimuth to Grid North
True North: 0.46°
Magnetic North: 6.22°

Magnetic Field
Strength: 47718.8nT
Dip Angle: 60.02°
Date: 7/10/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 0.22°
To convert a Magnetic Direction to a True Direction, Add 0.68° East
To convert a True Direction to a Grid Direction, Subtract 0.46°

SECTION DETAILS

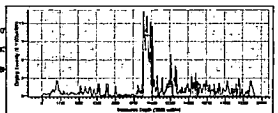
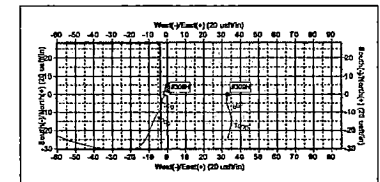
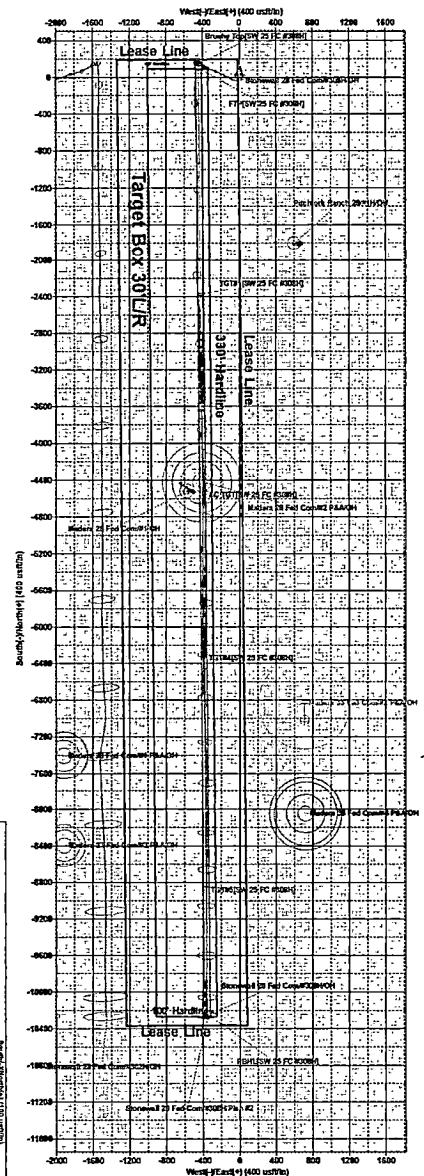
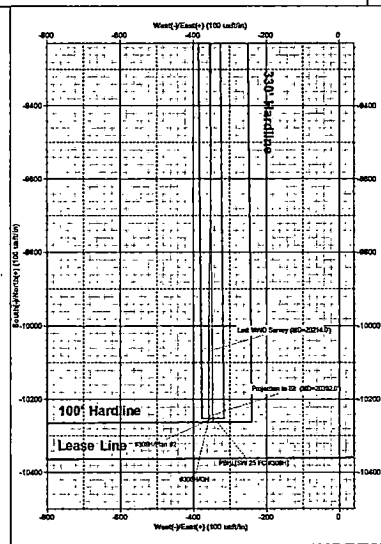
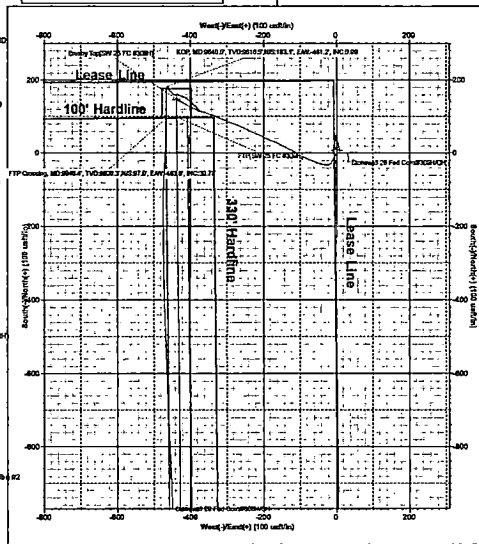
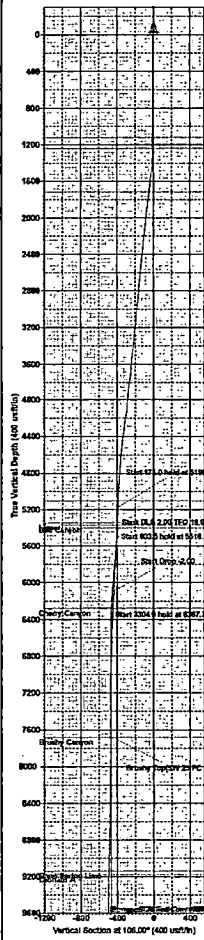
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	5188.0	1.85	284.84	5185.2	112.7	-366.2	0.00	0.00	-100.3	
2	5357.0	1.85	284.84	5356.2	114.1	-371.6	0.00	0.00	-101.6	
3	5516.1	4.98	287.47	5495.0	118.0	-380.2	2.00	19.91	-105.1	
4	6119.6	4.98	297.47	6096.2	142.0	-426.6	0.00	0.00	-127.6	
5	6367.7	0.00	0.00	6344.0	147.0	-436.0	2.00	180.00	-132.3	
6	9671.7	0.00	0.00	9648.0	147.0	-436.0	0.00	0.00	-132.3	
7	10567.6	89.59	179.50	10220.9	-421.6	-431.0	10.00	179.50	436.1	
8	12513.3	89.59	179.50	10235.0	-2367.4	-414.0	0.00	0.00	2380.0	TGT#1[SW 25 FC #308H]
9	12561.3	88.83	179.47	10235.5	-2405.4	-413.7	2.00	-177.78	2417.9	
10	14235.3	88.83	179.47	10270.0	-4099.0	-398.1	0.00	0.00	4160.1	
11	14410.9	88.98	175.95	10273.4	-4264.3	-391.1	2.00	-87.61	4275.1	
12	14667.2	88.98	175.95	10278.0	-4520.0	-373.0	0.00	0.00	4530.0	AC TGT[SW 25 FC #308H]
13	14894.4	89.14	180.50	10281.7	-4747.0	-368.0	2.00	87.96	4756.6	
14	16448.4	89.14	180.50	10305.0	-6300.8	-379.6	0.00	0.00	6310.0	TGT#4[SW 25 FC #308H]
15	16501.2	89.44	179.49	10305.7	-6353.6	-379.6	2.00	-71.54	6362.8	
16	18990.9	89.44	179.49	10330.0	-8843.0	-357.3	0.00	0.00	8850.0	TGT#5[SW 25 FC #308H]
17	18998.6	89.59	179.50	10330.1	-8850.7	-357.3	2.00	3.82	8857.7	
18	20399.0	89.59	179.50	10340.0	-10251.0	-345.0	0.00	0.00	10256.8	PBHL[SW 25 FC #308H]

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Brushy Top[SW 25 FC #308H]	7879.0	147.0	-436.0	435972.00	806448.00
FFP[SW 25 FC #308H]	10218.0	97.0	-436.0	435972.00	806448.00
TGT#1[SW 25 FC #308H]	10236.0	-2367.4	-414.0	435457.60	806471.01
AC TGT[SW 25 FC #308H]	10278.0	-4520.0	-373.0	431198.96	806512.00
TGT#4[SW 25 FC #308H]	10305.0	-6300.8	-379.6	429924.20	806505.63
TGT#5[SW 25 FC #308H]	10330.0	-8843.0	-357.3	428382.00	806527.59
PBHL[SW 25 FC #308H]	10340.0	-10251.0	-345.0	428574.00	806540.00



Lea County, NM (NAD 83 NME)
Stonewall 28 Fed Com #308H
Plan #2