

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 30-025-46826		² Pool Code 98180	³ Pool Name WC025 G09 S253309P; UPPER WOLFCAMP KZ
⁴ Property Code 325949	⁵ Property Name VALIANT 24 FED COM		⁶ Well Number 743H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3456'

¹⁰Surface Location

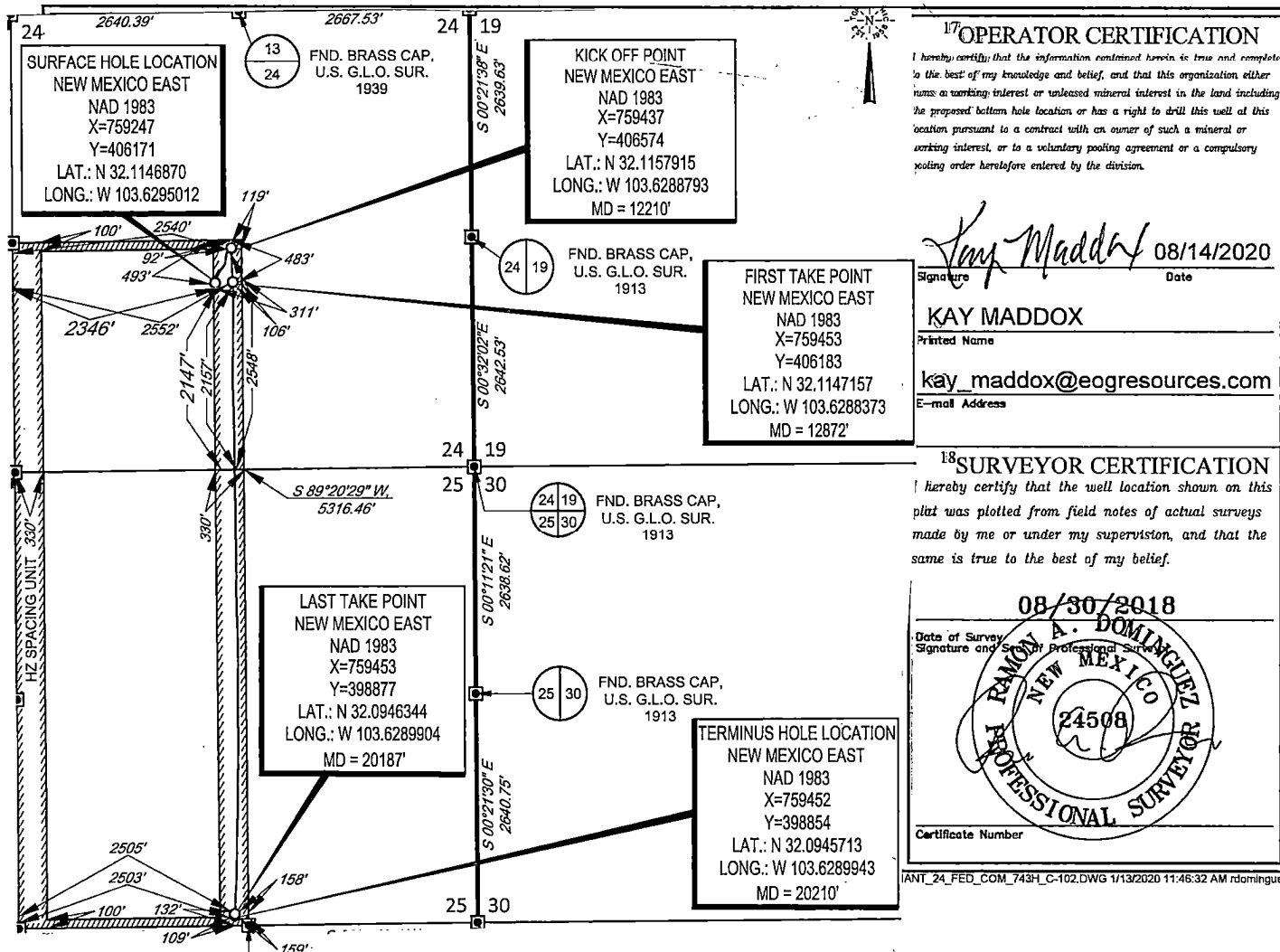
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	24	25-S	32-E	-	2147'	SOUTH	2346'	WEST	LEA

¹¹Bottom 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
N	25	25-S	32-E	-	109'	SOUTH	2503'	WEST	LEA

¹² Dedicated Acres 480.00	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.



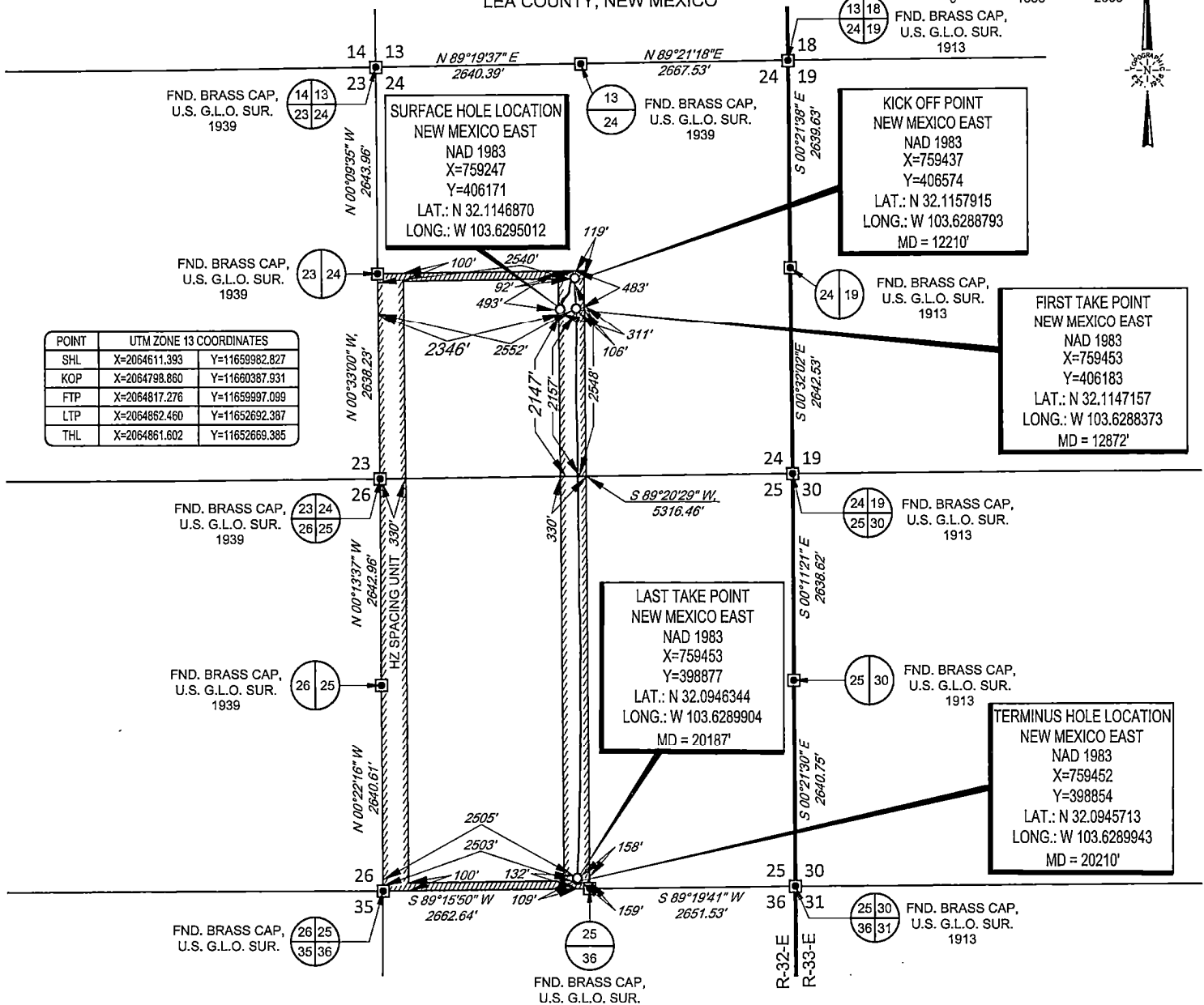
SECTION 24, TOWNSHIP 25-S, RANGE 32-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SCALE: 1" = 2000'

0' 1000' 2000'



POINT	UTM ZONE 13 COORDINATES
SHL	X=2064611.393 Y=11659982.827
KOP	X=2064798.860 Y=11660387.931
FTP	X=2064817.276 Y=11659997.099
LTP	X=2064862.460 Y=11652692.387
THL	X=2064861.602 Y=11652669.385



LEASE NAME & WELL NO.: VALIANT 24 FED COM #743H
SECTION 24 TWP 25-S RGE 32-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3457'
DESCRIPTION 2147' FSL & 2346' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

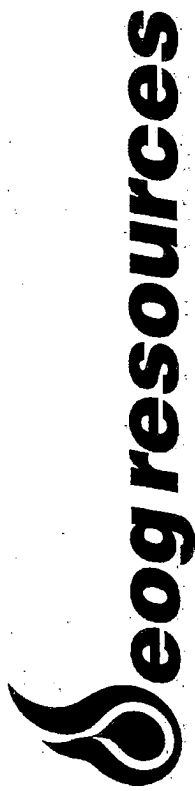
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Ramon A. Dominguez, P.S. No. 24508
JUNE 02, 2020



VALIANT 24 FED COM #743H AS-COMplete	REVISION:	NOTES:
DATE: 06/02/2020		1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
FILE:AD_VALIANT_24_FED_COM_743H		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.
DRAWN BY: H.B.		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.
SHEET: 1 OF 1		4. ADJOINER INFORMATION SHOWN FOR INFORMATIONAL PURPOSES ONLY.



Rec'd 8/24/2020 - NMOCD

EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Valiant 24 Fed Com

#743H

OH

Design: OH

Midland Final PVA

23 March, 2020



EOG Resources
Midland Final PVA

Company: EOG Resources - Midland		Local Co-ordinate Reference:	
Project: Lea County, NM (NAD 83 NME)		TVD Reference:	Well #743H
Site: Valiant 24 Fed Com		MD Reference:	KB = 25 @ 3481.0usft
Well: #743H		North Reference:	KB = 25 @ 3481.0usft
Wellbore: OH		Survey Calculation Method:	Grid
Design: OH		Database:	Minimum Curvature 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 Valiant 24 Fed Com			
Site Position:		Northings:	Latitude:
From: Map		406,151.00 usft	32° 6' 52.820 N
Position Uncertainty:	0.0 usft	Easting: 760,107.00 usft	Longitude: 103° 37' 36.212 W
		Slot Radius: 13-3/16 "	Grid Convergence: 0.38 °
Well #743H			
Well Position	+N/-S 0.0 usft	Northings: 406,171.00 usft	Latitude: 32° 6' 52.874 N
	+E/-W 0.0 usft	Easting: 759,247.00 usft	Longitude: 103° 37' 46.210 W
Position Uncertainty	0.0 usft	Wellhead Elevation: usft	Ground Level: 3,456.0 usft
Wellbore OH			
Magnetics		Model Name	Sample Date
		IGRF2015	1/22/2019
		Declination (°)	Dip Angle (°)
		6.80	59.93
		Field Strength (nT)	
		47,702.57620391	
Design OH			
Audit Notes:			
Version: 1.0	Phase: ACTUAL	Tie On Depth:	0.0
Vertical Section:		Depth From (TVD) (usft)	Direction (°)
		0.0	177.97
		+N/-S (usft)	+E/-W (usft)
		0.0	0.0
Survey Program Date 3/23/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
199.0	20,210.0	TrueShot MWD #1 (OH)	EOG MWD+IFR1
		Description	MWD + IFR1



EOG Resources

Midland Final PVA

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 Site: Valiant 24 Fed Com
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 Wellbore: OH
 Design: OH

Local Co-ordinate Reference:
 TVD Reference: KB = 25 @ 3481.0usft
 MD Reference: KB = 25 @ 3481.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Bulid (°/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
	199.0	0.48	54.27	199.0	0.5	0.7	0.24	0.24	0.00	-0.8	0.0
	323.0	0.35	98.39	323.0	0.7	1.5	0.27	-0.10	35.58	-1.4	0.9
	505.0	0.79	110.17	505.0	0.2	3.2	0.25	0.24	6.47	-2.9	1.3
	694.0	0.57	153.94	694.0	-1.1	4.8	0.29	-0.12	23.16	-3.1	3.9
	879.0	0.88	151.48	879.0	-3.1	5.9	0.17	0.17	-1.33	-5.6	3.7
	981.0	0.22	190.67	981.0	-4.0	6.3	0.71	-0.65	38.42	-2.8	6.9
	1,173.0	0.09	283.49	1,173.0	-4.4	6.0	0.13	-0.07	48.34	6.9	2.8
	1,364.0	1.27	16.56	1,363.9	-2.3	6.5	0.67	0.62	48.73	0.3	-6.9
	1,556.0	1.10	17.79	1,555.9	1.5	7.7	0.09	-0.09	0.64	-3.8	-6.8
	1,747.0	1.19	0.48	1,746.9	5.2	8.2	0.19	0.05	-9.06	-5.3	-8.2
	1,939.0	1.14	358.19	1,938.8	9.1	8.2	0.04	-0.03	-1.19	-8.9	-8.5
	2,130.0	1.36	345.63	2,129.8	13.2	7.6	0.18	0.12	-6.58	-10.9	-10.6
	2,321.0	2.15	348.00	2,320.7	18.9	6.3	0.42	0.41	1.24	-17.2	-10.1
	2,512.0	2.24	345.54	2,511.5	26.0	4.6	0.07	0.05	-1.29	-24.1	-11.0
	2,703.0	2.51	12.08	2,702.4	33.8	4.5	0.59	0.14	13.90	-34.0	2.6
	2,895.0	3.60	26.85	2,894.1	43.2	8.1	0.70	0.57	7.69	-42.3	12.3
	3,086.0	4.04	32.47	3,084.7	54.3	14.5	0.30	0.23	2.94	-48.8	16.3
	3,277.0	5.36	18.23	3,275.0	68.4	20.9	0.92	0.69	-7.46	-49.2	4.3
	3,469.0	5.93	22.19	3,466.1	86.1	27.4	0.36	0.30	2.06	-44.3	9.4
	3,660.0	5.80	29.22	3,656.1	103.7	35.9	0.38	-0.07	3.68	-39.0	14.2
	3,851.0	5.45	33.35	3,846.2	119.7	45.6	0.28	-0.18	2.16	-33.6	14.3
	4,042.0	5.85	19.99	4,036.3	136.4	53.9	0.72	0.21	-6.99	-31.3	6.1
	4,233.0	5.19	45.48	4,226.4	151.6	63.4	1.32	-0.35	13.35	-21.3	15.0
	4,424.0	6.15	40.82	4,416.5	165.4	76.2	0.56	0.50	-2.44	-18.8	6.2
	4,616.0	9.19	45.22	4,606.7	184.0	93.8	1.61	1.58	2.29	-22.0	0.3
	4,807.0	7.91	21.31	4,795.7	207.0	109.4	1.96	-0.67	-12.52	-24.1	-13.2



EOG Resources

Midland Final PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Valiant 24 Fed Com
 Well: #743H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference:
 TVD Reference: KB = 25 @ 3481.0usft
 MD Reference: KB = 25 @ 3481.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,998.0	7.30	8.04	4,985.0	231.3	115.9	0.97	-0.32	-6.95	-23.2	-14.6
5,190.0	8.70	5.40	5,175.1	257.8	119.0	0.75	0.73	-1.37	-27.2	-8.4
5,381.0	10.55	9.09	5,363.4	289.4	123.1	1.02	0.97	1.93	-37.3	0.7
5,573.0	11.21	10.76	5,552.0	325.1	129.4	0.38	0.34	0.87	-50.9	8.0
5,764.0	10.68	25.97	5,739.6	359.3	140.6	1.53	-0.28	7.96	-59.6	25.5
5,955.0	6.24	28.52	5,928.4	384.3	153.3	2.33	-2.32	1.34	-63.3	27.4
6,146.0	5.89	31.59	6,118.4	401.8	163.4	0.25	-0.18	1.61	-58.8	28.7
6,338.0	5.76	29.04	6,309.4	418.6	173.2	0.15	-0.07	-1.33	-56.1	23.9
6,528.0	3.69	33.09	6,498.7	432.1	181.2	1.10	-1.09	2.13	-47.0	25.3
6,720.0	4.13	47.94	6,690.3	441.9	189.7	0.57	0.23	7.73	-30.3	28.9
6,911.0	2.07	104.81	6,881.0	445.6	198.1	1.81	-1.08	29.77	4.6	24.0
7,102.0	1.23	98.92	7,071.9	444.4	203.5	0.45	-0.44	-3.08	2.1	5.0
7,293.0	0.75	146.47	7,262.9	443.1	206.2	0.48	-0.25	24.90	-1.4	-3.1
7,485.0	0.53	190.94	7,454.9	441.1	206.7	0.27	-0.11	23.16	-5.0	-0.3
7,676.0	1.05	184.08	7,645.9	438.5	206.4	0.28	0.27	-3.59	-7.6	-1.0
7,867.0	0.75	172.04	7,836.9	435.5	206.5	0.18	-0.16	-6.30	-10.2	-2.9
8,059.0	1.36	173.71	8,028.8	432.0	206.9	0.32	0.32	0.87	-13.8	-2.6
8,250.0	1.32	170.02	8,219.8	427.6	207.5	0.05	-0.02	-1.93	-18.0	-3.6
8,441.0	1.23	191.20	8,410.7	423.4	207.5	0.25	-0.05	11.09	-22.2	3.9
8,632.0	1.36	191.11	8,601.7	419.2	206.7	0.07	0.07	-0.05	-26.6	3.9
8,823.0	1.85	203.07	8,792.6	414.1	205.0	0.31	0.26	6.26	-30.5	9.8
9,014.0	1.49	199.38	8,983.5	409.0	203.0	0.20	-0.19	-1.93	-36.6	7.6
9,206.0	0.35	340.88	9,175.5	407.2	202.0	0.93	-0.59	73.70	34.7	18.4
9,395.0	1.89	298.60	9,364.5	409.2	199.1	0.87	0.81	-22.37	9.8	36.6
9,586.0	2.42	277.25	9,555.3	411.2	192.3	0.50	0.28	-11.18	-11.2	36.5
9,778.0	2.46	259.58	9,747.2	411.0	184.2	0.39	0.02	-9.20	-29.7	30.2
9,969.0	1.45	333.41	9,938.1	412.4	179.1	1.30	-0.53	38.65	17.1	40.9



EOG Resources

Midland Final PVA

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Well #743H

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)
10,160.0	1.27	13.22	10,129.0	416.6	178.5	0.49	-0.09	20.84	35.3	22.0
10,352.0	1.23	315.92	10,321.0	420.2	177.6	0.62	-0.02	-29.84	-2.6	39.8
10,543.0	0.79	258.35	10,512.0	421.4	174.8	0.55	-0.23	-30.14	-37.4	17.4
10,734.0	0.75	29.57	10,703.0	422.2	174.2	0.73	-0.02	68.70	37.4	17.7
10,926.0	1.98	139.26	10,894.9	420.8	177.0	1.22	0.64	57.13	1.1	-40.0
11,117.0	1.27	157.19	11,085.8	416.3	179.9	0.45	-0.37	9.39	-16.5	-37.4
11,308.0	1.36	142.86	11,276.8	412.6	182.1	0.18	0.05	-7.50	-11.0	-40.8
11,500.0	0.35	91.80	11,468.8	410.7	184.1	0.61	-0.53	-26.59	22.8	-36.0
11,611.0	1.05	78.79	11,579.8	410.9	185.4	0.64	0.63	-11.72	29.0	-30.0
11,723.0	0.97	65.93	11,691.7	411.5	187.3	0.21	-0.07	-11.48	33.0	-23.1
11,915.0	0.92	147.23	11,883.7	410.9	189.6	0.64	-0.03	42.34	-19.6	-34.5
12,010.0	1.05	169.20	11,978.7	409.4	190.2	0.42	0.14	23.13	-32.6	-24.4
12,106.0	1.67	187.57	12,074.7	407.1	190.2	0.78	0.65	19.14	-40.9	-12.6
12,157.0	1.93	185.81	12,125.7	405.5	190.0	0.52	0.51	-3.45	-42.1	-13.8
12,202.0	1.85	186.16	12,170.6	404.1	189.8	0.18	-0.18	0.78	-43.6	-13.6
12,271.3	12.08	173.63	12,239.3	395.7	190.5	14.84	14.76	-18.08	-47.8	-23.4
KOP (VAL 24 FC #743H)										
12,275.2	12.66	173.53	12,243.1	394.9	190.6	14.84	14.83	-2.66	-48.6	-23.5
HL Crossing, MD:12275.2, TVD:12243.1, N/S:394.9, E/W:190.6, INC:12.66										
12,298.0	16.04	173.07	12,265.2	389.3	191.3	14.84	14.83	-2.01	-53.6	-23.9
12,393.0	21.89	182.65	12,355.0	358.5	192.0	6.96	6.16	10.08	-73.0	-12.9
12,489.0	38.99	179.48	12,437.5	310.1	191.5	17.89	17.81	-3.30	-85.5	-17.8
12,584.0	49.05	177.64	12,505.7	244.2	193.2	10.67	10.59	-1.94	-97.9	-18.6
12,608.8	49.44	177.62	12,522.0	225.4	194.0	1.56	1.56	-0.10	-99.6	-17.8
FTP (VAL 24 FC #743H)										
12,680.0	50.55	177.55	12,567.7	170.9	196.3	1.56	1.56	-0.09	-96.6	-15.5
12,776.0	52.13	175.44	12,627.7	96.1	200.9	2.38	1.65	-2.20	-74.2	-11.8



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Survey											Well #743H	
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12,872.0	68.79	178.08	12,674.8	13.0	205.5	17.52	17.35	2.75	-45.8	-5.7		
12,988.0	80.79	179.66	12,700.0	-79.4	207.2	12.60	12.50	1.65	-23.1	-4.3		
13,063.0	82.86	179.40	12,713.5	-173.5	208.0	2.20	2.18	-0.27	-10.0	-4.1		
13,159.0	82.90	179.40	12,725.4	-288.7	209.0	0.04	0.04	0.00	1.6	-3.7		
13,255.0	84.00	179.83	12,736.3	-384.1	209.6	1.23	1.15	0.45	12.2	-3.7		
13,358.0	87.65	182.49	12,743.8	-466.8	207.6	4.38	3.54	2.58	19.3	-6.4		
13,454.0	87.43	179.76	12,748.0	-562.6	205.7	2.85	-0.23	-2.84	23.1	-8.9		
13,550.0	86.95	180.03	12,752.7	-658.5	205.9	0.57	-0.50	0.28	27.5	-9.4		
13,645.0	87.03	181.08	12,757.7	-753.4	204.9	1.11	0.08	1.11	32.1	-10.9		
13,741.0	91.87	181.52	12,758.6	-849.3	202.8	5.06	5.04	0.46	32.7	-13.7		
13,837.0	91.08	180.73	12,756.1	-945.3	200.9	1.16	-0.82	-0.82	29.9	-16.2		
13,932.0	90.86	179.33	12,754.5	-1,040.3	200.8	1.49	-0.23	-1.47	27.9	-16.9		
14,028.0	89.10	178.97	12,754.5	-1,136.2	202.3	1.87	-1.83	-0.37	27.6	-16.1		
14,124.0	87.56	178.36	12,757.3	-1,232.2	204.5	1.73	-1.60	-0.64	30.1	-14.5		
14,219.0	90.59	178.80	12,758.9	-1,327.1	206.8	3.22	3.19	0.46	31.3	-12.8		
14,315.0	89.67	178.18	12,758.7	-1,423.1	209.4	1.16	-0.96	-0.65	30.7	-10.9		
14,411.0	89.41	178.62	12,759.4	-1,519.0	212.1	0.53	-0.27	0.46	31.1	-8.8		
14,506.0	88.70	178.53	12,761.0	-1,614.0	214.4	0.75	-0.75	-0.09	32.4	-7.1		
14,602.0	90.42	179.76	12,761.7	-1,710.0	215.8	2.20	1.79	1.28	32.8	-6.3		
14,697.0	90.33	179.68	12,761.1	-1,805.0	216.3	0.13	-0.09	-0.08	31.8	-6.5		
14,793.0	89.54	179.68	12,761.2	-1,901.0	216.8	0.82	-0.82	0.00	31.6	-6.5		
14,884.9	88.90	179.25	12,762.5	-1,992.9	217.7	0.83	-0.69	-0.46	32.5	-6.3		
TGT 1 (VAL 24 FC #743H)												
14,888.0	88.88	179.24	12,762.5	-1,996.0	217.7	0.83	-0.69	-0.46	32.5	-6.3		
14,984.0	88.18	179.33	12,765.0	-2,091.9	218.9	0.74	-0.73	0.09	34.7	-5.7		
15,080.0	88.66	179.15	12,767.6	-2,187.9	220.2	0.53	0.50	-0.19	37.1	-5.1		
15,176.0	90.77	179.59	12,768.1	-2,283.9	221.3	2.25	2.20	0.46	37.3	-4.6		



EOG Resources

Midland Final PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Valiant 24 Fed Com
 Well: #743H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference:
 TVD Reference: KB = 25 @ 3481.0usft
 MD Reference: KB = 25 @ 3481.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Well #743H

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)
15,271.0	89.76	179.15	12,767.7	-2,378.9	222.3	1.16	-1.06	-0.46	36.5	-4.2
15,367.0	89.41	179.85	12,768.4	-2,474.9	223.1	0.82	-0.36	0.73	36.9	-4.0
15,463.0	93.49	180.03	12,765.9	-2,570.8	223.2	4.25	4.25	0.19	34.2	-4.5
15,558.0	93.32	179.24	12,760.3	-2,665.6	223.9	0.85	-0.18	-0.83	28.3	-4.6
15,654.0	92.97	179.06	12,755.0	-2,761.5	225.3	0.41	-0.36	-0.19	22.7	-3.8
15,749.0	89.54	178.97	12,752.9	-2,856.4	226.9	3.61	-3.61	-0.09	20.4	-2.7
15,845.0	89.27	178.27	12,753.9	-2,952.4	229.2	0.78	-0.28	-0.73	21.1	-1.1
15,940.0	91.43	180.29	12,753.4	-3,047.4	230.4	3.11	2.27	2.13	20.2	-0.5
16,036.0	88.79	179.59	12,753.2	-3,143.4	230.5	2.85	-2.75	-0.73	19.7	-1.0
16,131.0	87.38	179.33	12,756.4	-3,238.3	231.4	1.51	-1.48	-0.27	22.6	-0.8
16,227.0	86.42	178.89	12,761.5	-3,334.1	232.9	1.10	-1.00	-0.46	27.5	0.1
16,322.0	90.29	180.91	12,764.3	-3,429.1	233.1	4.59	4.07	2.13	30.0	-0.4
16,418.0	89.83	180.20	12,764.2	-3,525.1	232.1	0.88	-0.48	-0.74	29.6	-1.9
16,513.0	89.05	179.15	12,765.1	-3,620.1	232.7	1.38	-0.82	-1.11	30.2	-2.0
16,609.0	90.46	177.74	12,765.5	-3,716.0	235.3	2.08	1.47	-1.47	30.3	0.0
16,705.0	90.86	177.83	12,764.4	-3,812.0	239.0	0.43	0.42	0.09	29.0	3.1
16,800.0	90.64	177.66	12,763.2	-3,906.9	242.7	0.29	-0.23	-0.18	27.4	6.2
16,887.1	89.84	179.01	12,762.8	-3,994.0	245.3	1.80	-0.92	1.55	26.8	8.1
TGT 2 (VAL 24 FC #743H)										
16,896.0	89.76	179.15	12,762.8	-4,002.8	245.4	1.80	-0.92	1.55	26.8	8.2
16,991.0	89.01	179.06	12,763.8	-4,097.8	246.9	0.80	-0.79	-0.09	27.5	9.1
17,087.0	90.68	179.15	12,764.1	-4,193.8	248.4	1.74	1.74	0.09	27.5	9.9
17,183.0	91.38	179.15	12,762.4	-4,289.8	249.8	0.73	0.73	0.00	25.5	10.7
17,278.0	90.73	180.03	12,760.6	-4,384.8	250.5	1.15	-0.68	0.93	23.5	10.8
17,374.0	90.64	180.82	12,759.5	-4,480.7	249.8	0.83	-0.09	0.82	22.0	9.5
17,470.0	90.37	180.64	12,758.6	-4,576.7	248.5	0.34	-0.28	-0.19	20.9	7.6
17,565.0	90.11	180.29	12,758.2	-4,671.7	247.8	0.46	-0.27	-0.37	20.2	6.2



EOG Resources

Midland Final PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Vallant 24 Fed Com
 Well: #743H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Well #743H
 KB = 25 @ 3481.0usft
 KB = 25 @ 3481.0usft
 Grid
 Minimum Curvature
 EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,661.0	90.29	180.29	12,757.9	-4,767.7	247.3	0.19	0.19	0.00	19.6	5.1
17,757.0	90.02	179.94	12,757.6	-4,863.7	247.1	0.46	-0.28	-0.36	19.0	4.3
17,853.0	90.42	179.50	12,757.3	-4,959.7	247.6	0.62	0.42	-0.46	18.4	4.1
17,948.0	91.16	179.41	12,756.0	-5,054.7	248.5	0.78	0.78	-0.09	16.8	4.4
18,044.0	88.48	179.59	12,756.3	-5,150.7	249.3	2.80	-2.79	0.19	16.8	4.6
18,139.0	87.96	179.76	12,759.2	-5,245.6	249.8	0.58	-0.55	0.18	19.5	4.5
18,235.0	87.38	179.68	12,763.1	-5,341.6	250.3	0.61	-0.60	-0.08	23.1	4.4
18,331.0	90.07	180.64	12,765.3	-5,437.5	250.0	2.98	2.80	1.00	24.9	3.5
18,426.0	90.15	181.26	12,765.1	-5,532.5	248.5	0.66	0.08	0.65	24.4	1.3
18,522.0	89.76	181.08	12,765.2	-5,628.5	246.5	0.45	-0.41	-0.19	24.2	-1.3
18,618.0	91.16	181.79	12,764.4	-5,724.5	244.1	1.64	1.46	0.74	23.2	-4.4
18,713.0	89.14	180.73	12,764.1	-5,819.4	242.0	2.40	-2.13	-1.12	22.6	-7.1
18,809.0	88.75	180.56	12,765.9	-5,915.4	240.9	0.44	-0.41	-0.18	24.1	-8.8
18,887.5	87.21	180.13	12,768.7	-5,993.8	240.5	2.04	-1.97	-0.55	26.7	-9.8
TGT 3 (VAL 24 FC #743H)										
18,905.0	86.86	180.03	12,769.6	-6,011.3	240.4	2.04	-1.97	-0.55	27.5	-9.9
19,000.0	89.05	180.47	12,773.0	-6,106.3	240.0	2.35	2.31	0.46	30.4	-10.9
19,096.0	86.73	179.76	12,776.5	-6,202.2	239.8	2.53	-2.42	-0.74	33.4	-11.8
19,192.0	92.22	182.40	12,777.4	-6,298.1	238.0	6.35	5.72	2.75	33.8	-14.2
19,287.0	92.84	182.58	12,773.2	-6,392.9	233.9	0.68	0.65	0.19	29.1	-18.9
19,383.0	90.99	181.61	12,770.0	-6,488.8	230.4	2.18	-1.93	-1.01	25.4	-23.1
19,479.0	91.47	178.62	12,767.9	-6,584.8	230.2	3.15	0.50	-3.11	22.8	-23.9
19,574.0	90.37	181.79	12,766.4	-6,679.8	229.9	3.53	-1.16	3.34	20.8	-24.9
19,670.0	89.45	181.96	12,766.5	-6,775.7	226.7	0.97	-0.96	0.18	20.4	-28.6
19,766.0	90.07	182.58	12,766.9	-6,871.6	222.9	0.91	0.65	0.65	20.3	-33.1
19,861.0	92.40	181.96	12,764.9	-6,966.5	219.2	2.54	2.45	-0.65	17.8	-37.4
19,957.0	92.62	182.40	12,760.7	-7,062.4	215.5	0.51	0.23	0.46	13.1	-41.7



EOG Resources
Midland Final PVA

Company: EOG Resources - Midland				Local Co-ordinate Reference:				Well #743H			
Project: Lea County, NM (NAD 83 NME)				TVD Reference:				KB = 25 @ 3481.0usft			
Site: Valiant 24 Fed Com				MD Reference:				KB = 25 @ 3481.0usft			
Well: #743H				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)	D Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
20,053.0	92.18	182.14	12,756.7	-7,158.2	211.7	0.53	-0.46	-0.27	8.6	-46.1
20,148.0	91.43	182.67	12,753.7	-7,253.1	207.7	0.97	-0.79	0.56	5.1	-50.8
Final MWD Survey (MD=20148.0')										
20,207.6	91.43	182.67	12,752.2	-7,312.6	205.0	0.00	0.00	0.00	3.3	-53.9
PBHL (VAL 24 FC #743H)										
20,210.0	91.43	182.67	12,752.1	-7,315.0	204.8	0.00	0.00	0.00	3.2	-54.1
Final Projection to Bit (MD=20210.0')										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N-S (usft)	+E-W (usft)	Comment
12,275.2	12,243.1	394.9	190.6	HL Crossing, MD:12275.2', TVD:12243.1', N/S:394.9', E/W:190.6', INC:12.66
20,148.0	12,753.7	-7,253.1	207.7	Final MWD Survey (MD=20148.0')
20,210.0	12,752.1	-7,315.0	204.8	Final Projection to Bit (MD=20210.0')

Checked By: _____	Approved By: _____	Date: _____
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Lea County, NM (NAD 83 NME)

Valiant 24 Fed Com #743H

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: #743H

KB = 25 @ 3481.0usft 3456.0
Northing Easting Latitude Longitude
406171.00 759247.00 32° 6' 52.874 N 103° 37' 46.210 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	2920.0	0.00	0.00	2920.0	0.0	0.0	0.00	0.00	0.0
3	3269.8	7.00	25.00	3269.0	19.3	9.0	2.00	25.00	-19.0
4	6959.4	7.00	25.00	6931.0	426.7	199.0	0.00	0.00	-419.4
5	7309.2	0.00	0.00	7280.0	446.0	208.0	2.00	180.00	-438.4
6	12274.7	0.00	0.00	12245.5	446.0	208.0	0.00	0.00	-438.4
7	13023.0	89.80	179.62	12723.0	-29.7	211.1	12.00	179.62	37.2
8	14986.6	89.80	179.62	12730.0	-1993.3	224.0	0.00	0.00	2000.0
9	14988.2	89.83	179.62	12730.0	-1994.9	224.0	2.00	0.00	2001.6
10	16987.5	89.83	179.62	12736.0	-3994.1	237.1	0.00	0.00	4000.0
11	18988.3	89.83	179.62	12742.0	-5994.9	250.2	0.00	0.00	6000.0
12	18994.9	89.70	179.62	12742.0	-6001.5	250.3	2.00	-180.00	6006.6
13	20308.5	89.70	179.62	12749.0	-7315.0	258.9	0.00	0.00	7319.6

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP (VAL 24 FC #743H)	12245.5	446.0	208.0	406171.00	759455.00
FTP (VAL 24 FC #743H)	12223.0	356.0	208.0	406567.00	759455.00
TGT 1 (VAL 24 FC #743H)	12730.0	-1993.3	224.0	404177.70	759471.00
TGT 2 (VAL 24 FC #743H)	12736.0	-3994.1	237.1	402176.30	759484.12
TGT 3 (VAL 24 FC #743H)	12742.0	-5994.9	250.2	400176.10	759457.24
PSHL (VAL 24 FC #743H)	12749.0	-7315.0	258.9	398556.00	759505.30

