

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 30-025-46617		² Pool Code 98180		³ Pool Name WC025 G09 S253309P; UPPER WOLFCAMP KZ	
⁴ Property Code 324978		⁵ Property Name DAUNTLESS 7 FED			⁶ Well Number #740H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3491'

¹⁰Surface Location

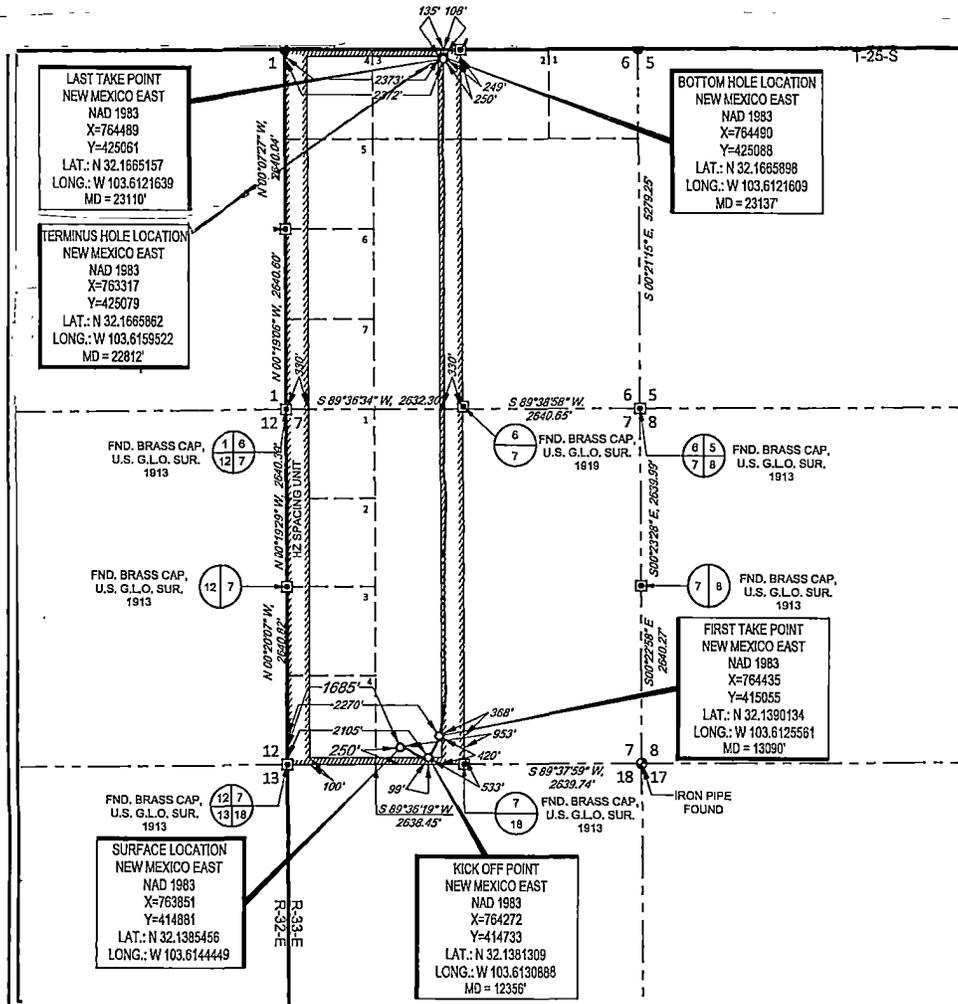
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	7	25-S	33-E	--	250'	SOUTH	1685'	WEST	LEA

SL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	6	25-S	33-E	-	108'	NORTH	2373'	WEST	LEA

¹² Dedicated Acres 640.00	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.

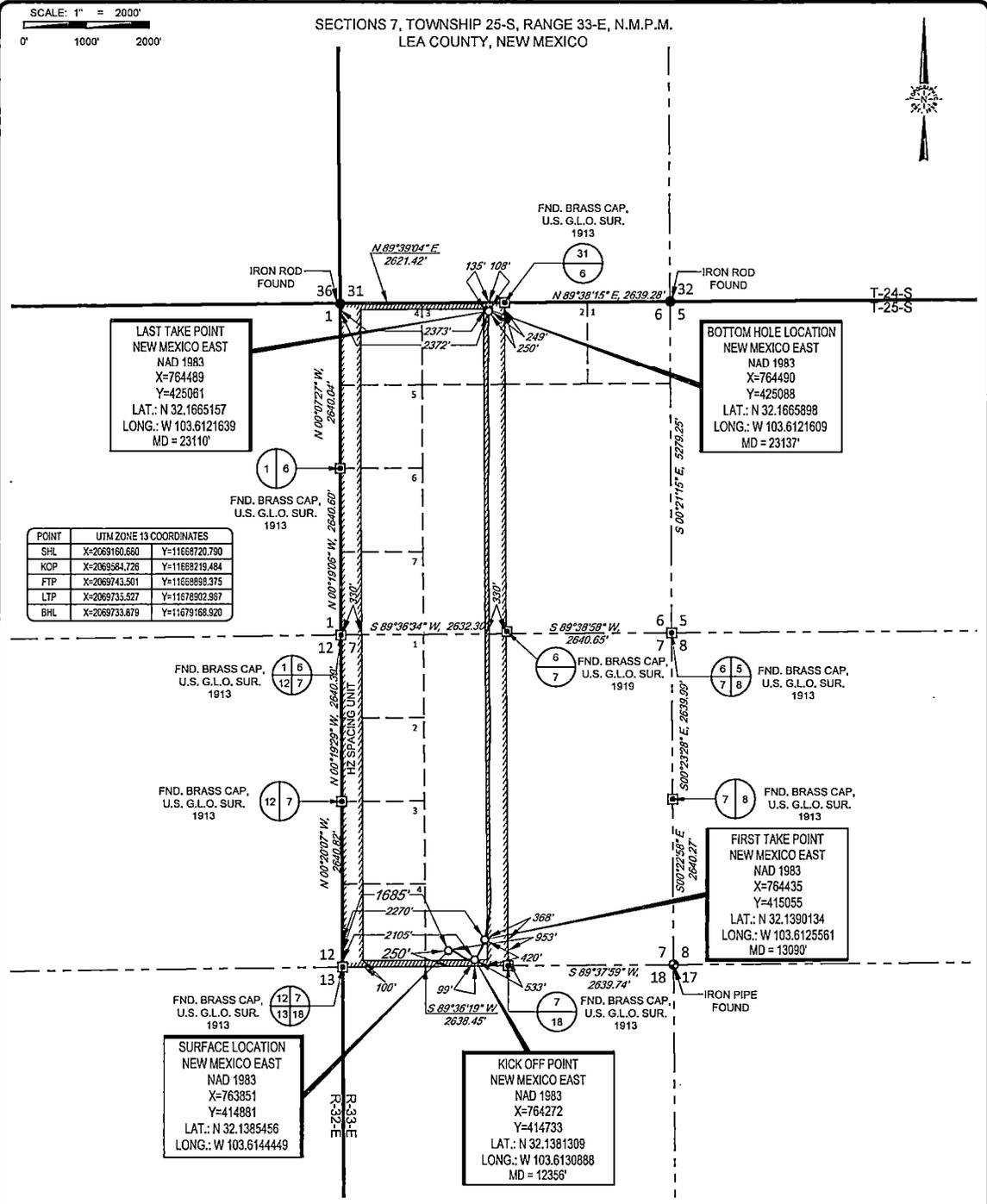


¹⁷OPERATOR CERTIFICATION
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to 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.

Signature: *Kay Maddox* Date: 10/07/2020
 Printed Name: KAY MADDOX
 E-mail Address: kay_maddox@eogresources.com

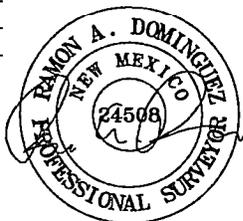
¹⁸SURVEYOR CERTIFICATION
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

Date of Survey: 11/06/2019
 Signature and Seal of Professional Surveyor: *Ramon A. Dominguez*
 Certificate Number: 24508



POINT	UTM ZONE 13 COORDINATES
SPL	X=2069160.660 Y=11668720.790
KCP	X=2069384.726 Y=11668219.484
FTP	X=2069743.501 Y=11668898.375
LTP	X=2069733.527 Y=11678902.987
BHL	X=2069733.879 Y=11679168.920

LEASE NAME & WELL NO.: DAUNTLESS 7 FED COM #740H
 SECTION 7 TWP 25-S RGE 33-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3492'
 DESCRIPTION 250' FSL & 1685' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554
 2803 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
 SEPTEMBER 16, 2020

eg resources, Inc.

DAUNTLESS 7 FED COM #740H AS-COMplete	REVISION:
DATE: 09/16/2020	
FILE:AD_DAUNTLESS_7_FED_740H	
DRAWN BY: A.V.F.	
SHEET: 1 OF 1	

NOTES:
 1. ORIGINAL DOCUMENT SIZE: 9.5" X 11"
 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1983.
 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.

Intent As Drilled

API # 30-025-46617		
Operator Name: EOG RESOURCES, INC	Property Name: DAUNTLESS 7 FEDERAL	Well Number 740H

Kick Off Point (KOP)

UL N	Section 7	Township 25S	Range 33E	Lot	Feet 99	From N/S SOUTH	Feet 2105	From E/W WEST	County LEA
Latitude 32.1381309					Longitude 103.6130888			NAD 1983	

First Take Point (FTP)

UL N	Section 7	Township 25S	Range 33E	Lot	Feet 420	From N/S SOUTH	Feet 2270	From E/W WEST	County LEA
Latitude 32.1390134					Longitude 103.6125561			NAD 1983	

Last Take Point (LTP)

UL C	Section 6	Township 25S	Range 33E	Lot	Feet 135	From N/S NORTH	Feet 2372	From E/W WEST	County LEA
Latitude 32.1665157					Longitude 103.6121639			NAD 1983	

Is this well the defining well for the Horizontal Spacing Unit? NOIs this well an infill well? YES

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

API # 30-025-46619		
Operator Name: EOG RESOURCES, INC	Property Name: DAUNTLESS 7 FEDERAL	Well Number #742H

REC'D

REC'D 10/8/2020 - NMOCD

KZ



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dauntless 7 Fed

#740H

OH

Design: OH

Midland Final PVA

23 March, 2020





EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #740H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3516.0usft (M7502)
Site:	Dauntless 7 Fed	MD Reference:	KB = 25 @ 3516.0usft (M7502)
Well:	#740H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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	Dauntless 7 Fed		
Site Position:		Northing:	414,874.00 usft
From:	Map	Easting:	762,795.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 8' 18.763 N
		Longitude:	103° 37' 4.285 W
		Grid Convergence:	0.38 "

Well	#740H			
Well Position	+N-S	0.0 usft	Northing:	414,881.00 usft
	+E-W	0.0 usft	Easting:	763,851.00 usft
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft
			Latitude:	32° 8' 18.763 N
			Longitude:	103° 36' 52.003 W
			Ground Level:	3,491.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (")	Dip Angle (")	Field Strength (nT)
	IGRF2015	1/3/2020	6.69	59.94	47,620.75831636

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (")	
	0.0	0.0	0.0	3.57	

Survey Program	Date	3/23/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
131.0	23,137.0	DrilTech MWD #1 (OH)	EOG MWD+IFR1	MWD + IFR1	



EOG Resources
Midland Final PVA

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Project: Lea County, NM (NAD 83 NME)	TVD Reference: KB = 25 @ 3516.0usft (M7502)
Site: Dauntless 7 Fed	MD Reference: KB = 25 @ 3516.0usft (M7502)
Well: #740H	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)	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
131.0	0.70	47.85	131.0	0.5	0.6	0.53	0.53	0.00	0.0	0.0
316.0	0.70	24.65	316.0	2.3	1.9	0.15	0.00	-12.54	0.0	0.0
501.0	0.79	4.87	501.0	4.6	2.5	0.15	0.05	-10.69	0.0	0.0
687.0	0.53	53.21	687.0	6.4	3.3	0.32	-0.14	25.99	0.0	0.0
782.0	0.44	55.50	782.0	6.9	3.9	0.10	-0.09	2.41	0.0	0.0
973.0	0.62	355.47	972.9	8.3	4.5	0.29	0.09	-31.43	0.0	0.0
1,106.0	0.18	73.52	1,105.9	9.1	4.6	0.46	-0.33	58.68	0.0	0.0
1,255.0	0.26	122.03	1,254.9	9.0	5.1	0.13	0.05	32.56	0.0	0.0
1,446.0	0.18	131.52	1,445.9	8.6	5.7	0.05	-0.04	4.97	-0.2	-0.3
1,636.0	2.02	73.07	1,635.9	9.3	9.1	1.02	0.97	-30.76	-2.8	-0.2
1,827.0	1.93	71.40	1,826.8	11.3	15.4	0.06	-0.05	-0.87	-8.8	0.0
2,018.0	1.93	66.13	2,017.7	13.7	21.4	0.09	0.00	-2.76	-14.6	-0.7
2,208.0	1.67	60.77	2,207.6	16.3	26.7	0.16	-0.14	-2.82	-19.9	-1.9
2,399.0	2.02	57.25	2,398.5	19.5	32.0	0.19	0.18	-1.84	-25.5	-2.8
2,590.0	1.67	110.60	2,589.4	20.3	37.4	0.88	-0.18	27.93	-21.6	21.3
2,781.0	1.85	86.17	2,780.3	19.6	43.1	0.40	0.09	-12.79	-33.5	9.5
2,971.0	2.64	107.62	2,970.2	18.4	50.3	0.60	0.42	11.29	-34.2	22.2
3,162.0	3.69	130.38	3,160.9	13.1	59.2	0.85	0.55	11.92	-31.9	34.9
3,353.0	3.34	123.79	3,351.5	6.1	68.5	0.28	-0.18	-3.45	-36.3	28.5
3,543.0	2.64	122.21	3,541.3	0.6	76.8	0.37	-0.37	-0.83	-25.7	24.6
3,734.0	3.43	137.59	3,732.0	-5.9	84.4	0.59	0.41	8.05	-7.6	23.0
3,925.0	5.63	115.26	3,922.4	-14.1	96.7	1.46	1.15	-11.69	-8.0	16.0
4,115.0	6.68	120.02	4,111.3	-23.6	114.7	0.61	0.55	2.51	-4.8	15.4
4,306.0	7.30	121.24	4,300.9	-35.5	134.7	0.33	0.32	0.64	-5.5	13.2
4,497.0	6.77	120.27	4,490.4	-47.5	154.8	0.28	-0.28	-0.51	-6.9	10.8
4,688.0	8.88	128.27	4,679.7	-62.3	176.1	1.24	1.10	4.19	-9.5	8.0



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #740H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3516.0usft (M7502)
Site:	Dauntless 7 Fed	MD Reference:	KB = 25 @ 3516.0usft (M7502)
Well:	#740H	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)	
4,879.0	6.42	124.84	4,868.9	-77.5	196.5	1.31	-1.29	-1.80	-13.4	2.6	
5,069.0	4.92	120.62	5,058.0	-87.7	212.2	0.82	-0.79	-2.22	-10.1	-1.4	
5,260.0	5.89	125.55	5,248.2	-97.6	227.2	0.56	0.51	2.58	-6.1	-4.0	
5,451.0	6.77	123.96	5,438.0	-109.6	244.5	0.47	0.46	-0.83	-5.0	-8.0	
5,641.0	8.79	109.90	5,628.3	-120.8	267.5	1.45	1.06	-7.40	-6.1	-9.8	
5,832.0	8.18	109.11	5,815.2	-130.2	294.0	0.33	-0.32	-0.41	-12.0	-7.8	
6,023.0	6.33	107.35	6,004.6	-137.8	316.9	0.98	-0.97	-0.92	-13.7	-5.7	
6,213.0	5.80	106.56	6,193.6	-143.6	336.1	0.28	-0.28	-0.42	-11.6	-2.8	
6,404.0	7.30	107.18	6,383.3	-150.0	357.0	0.79	0.79	0.32	-11.3	0.4	
6,594.0	7.47	107.09	6,571.7	-157.2	380.3	0.09	0.09	-0.05	-13.7	3.3	
6,785.0	6.60	105.59	6,761.3	-163.8	402.7	0.47	-0.46	-0.79	-15.1	6.2	
6,976.0	4.48	110.60	6,951.4	-169.3	420.3	1.14	-1.11	2.62	-10.5	10.1	
7,166.0	2.64	112.98	7,141.0	-173.7	431.3	0.97	-0.97	1.25	0.4	11.5	
7,357.0	1.32	143.48	7,331.9	-177.1	436.6	0.86	-0.69	15.97	16.7	3.0	
7,548.0	0.88	87.66	7,522.9	-178.9	439.4	0.58	-0.23	-29.23	9.9	16.6	
7,738.0	1.14	69.82	7,712.8	-178.1	442.6	0.21	0.14	-9.39	1.1	18.4	
7,834.0	0.97	85.03	7,808.8	-177.7	444.3	0.34	-0.18	15.84	4.1	17.7	
8,024.0	0.97	69.47	7,998.8	-177.0	447.5	0.14	0.00	-8.19	-3.9	17.7	
8,215.0	2.64	66.83	8,189.7	-174.7	453.0	0.88	0.87	-1.38	-10.7	17.4	
8,405.0	2.46	79.49	8,379.5	-172.3	461.0	0.31	-0.09	6.66	-15.0	20.3	
8,596.0	2.29	93.29	8,570.4	-171.8	468.9	0.31	-0.09	7.23	-17.5	24.3	
8,787.0	1.93	90.83	8,761.2	-172.0	475.9	0.19	-0.19	-1.29	-25.6	23.4	
8,978.0	1.58	99.97	8,952.1	-172.5	481.7	0.23	-0.18	4.79	-27.3	27.6	
9,168.0	1.67	99.18	9,142.1	-173.4	487.0	0.05	0.05	-0.42	-33.1	27.2	
9,360.0	1.23	98.83	9,334.0	-174.2	491.8	0.23	-0.23	-0.18	-38.1	27.0	
9,550.0	0.79	258.26	9,524.0	-174.8	492.6	1.05	-0.23	83.91	45.8	-11.2	
9,741.0	1.06	289.90	9,715.0	-174.4	489.6	0.30	0.14	18.57	30.2	-32.8	



EOG Resources
Midland Final PVA

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Site:	Dauntless 7 Fed	MD Reference:	KB = 25 @ 3516.0usft (M7502)
Well:	#740H	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)
9,932.0	0.26	228.20	9,905.9	-174.1	487.6	0.50	-0.42	-32.30	42.0	9.5
10,123.0	0.79	80.98	10,096.9	-174.2	488.6	0.53	0.28	-77.08	-41.4	14.5
10,314.0	1.93	252.02	10,287.9	-175.0	486.8	1.42	0.60	89.55	41.2	-7.7
10,504.0	1.93	247.10	10,477.8	-177.2	480.9	0.09	0.00	-2.59	35.3	-4.4
10,695.0	3.08	266.52	10,668.6	-178.8	472.8	0.74	0.60	10.17	23.7	-14.8
10,886.0	3.96	273.64	10,859.3	-178.7	461.1	0.51	0.46	3.73	10.0	-17.0
11,077.0	1.76	279.00	11,050.0	-177.8	451.6	1.16	-1.15	2.81	-1.1	-17.2
11,267.0	1.23	273.20	11,239.9	-177.2	446.7	0.29	-0.28	-3.05	-4.3	-17.6
11,458.0	0.70	294.12	11,430.9	-176.6	443.6	0.33	-0.28	10.95	-13.4	-14.1
11,649.0	2.55	334.46	11,621.8	-172.3	440.7	1.08	0.97	21.12	-24.5	-1.4
11,732.0	3.08	330.15	11,704.7	-168.7	438.8	0.69	0.64	-5.19	-28.4	-3.3
11,870.0	3.34	326.83	11,842.5	-162.1	434.7	0.23	0.19	-2.41	-35.9	-5.2
11,965.0	2.10	313.63	11,937.4	-158.6	431.9	1.45	-1.31	-13.89	-38.2	-13.9
12,061.0	2.46	315.48	12,033.3	-155.9	429.2	0.38	0.37	1.93	-42.4	-12.6
12,156.0	2.29	319.43	12,128.3	-153.0	426.6	0.25	-0.18	4.16	-47.1	-9.5
12,252.0	2.29	305.46	12,224.2	-150.5	423.7	0.58	0.00	-14.55	-47.2	-21.1
12,346.0	2.11	309.38	12,318.1	-148.3	420.9	0.25	-0.19	4.17	-52.1	-17.6
12,391.2	1.22	19.25	12,363.3	-147.3	420.4	4.52	-1.96	154.59	-35.3	43.7
HL Crossing, MD:12391.2, TVD:12363.3, N/S:-147.3, EW:420.4, INC:1.22										
12,394.3	1.26	25.45	12,366.4	-147.2	420.4	4.52	1.34	189.00	-30.4	47.2
KOP(DL 7 Fed #710H)										
12,441.0	2.81	70.23	12,413.1	-146.4	421.7	4.52	3.31	95.92	11.7	53.4
12,537.0	5.98	25.66	12,508.8	-141.1	426.1	4.62	3.30	-46.43	-15.3	42.4
12,636.0	6.16	33.92	12,607.2	-132.0	431.3	0.90	0.18	8.34	18.8	34.7
12,731.0	30.60	35.59	12,696.7	-107.8	448.5	25.73	25.73	1.76	43.6	20.3
12,826.0	51.62	29.70	12,767.9	-55.1	481.4	22.48	22.13	-6.20	47.0	10.2



EOG Resources
Midland Final PVA

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12,878.5	62.16	28.13	12,796.6	-16.7	502.6	20.23	20.07	-2.99	42.8	4.4
FTP(DL 7 Fed #740H)										
12,921.0	70.70	27.07	12,813.5	17.8	520.6	20.23	20.10	-2.49	36.4	-0.1
12,968.0	80.81	27.33	12,825.1	58.3	541.4	21.52	21.51	0.55	25.9	-5.7
13,017.0	88.81	21.53	12,829.5	102.6	561.5	20.13	16.33	-11.84	12.0	-9.1
13,112.0	88.55	12.65	12,831.7	193.3	589.4	9.35	-0.27	-9.35	-7.7	-5.6
13,208.0	88.11	11.78	12,834.5	287.1	609.7	1.02	-0.46	-0.91	-9.5	5.4
13,303.0	87.14	11.69	12,838.4	380.1	629.0	1.03	-1.02	-0.09	-5.7	12.2
13,399.0	87.67	7.38	12,842.8	474.6	644.9	4.52	0.55	-4.49	-1.6	16.3
13,494.0	88.29	7.20	12,846.1	568.8	657.0	0.68	0.65	-0.19	1.7	17.7
13,589.0	89.25	3.60	12,848.2	663.3	665.9	3.92	1.01	-3.79	3.6	15.8
13,685.0	91.54	4.74	12,847.5	759.1	672.9	2.66	2.39	1.19	2.7	9.9
13,780.0	91.63	1.05	12,844.9	853.9	677.7	3.88	0.09	-3.88	0.0	4.6
13,875.0	88.81	357.01	12,844.5	948.8	676.1	5.19	-2.97	-4.25	-0.5	5.7
13,971.0	87.93	354.99	12,847.3	1,044.6	669.4	2.29	-0.92	-2.10	2.0	12.0
14,066.0	88.72	357.98	12,850.0	1,139.3	663.5	3.25	0.83	3.15	4.7	17.3
14,161.0	87.76	356.75	12,853.0	1,234.2	659.2	1.64	-1.01	-1.29	7.4	21.2
14,257.0	88.72	359.73	12,855.9	1,330.1	656.2	3.26	1.00	3.10	10.2	23.7
14,293.0	88.72	0.17	12,856.7	1,366.1	656.2	1.22	0.00	1.22	11.0	23.5
14,388.0	90.40	0.35	12,857.4	1,461.1	656.6	1.78	1.77	0.19	11.6	22.6
14,483.0	91.36	359.73	12,856.0	1,556.1	656.7	1.20	1.01	-0.65	10.0	22.1
14,578.0	92.07	0.35	12,853.1	1,651.0	656.8	0.99	0.75	0.65	7.0	21.6
14,674.0	92.86	359.29	12,849.0	1,746.9	656.5	1.38	0.82	-1.10	2.7	21.4
14,769.0	92.68	0.09	12,844.4	1,841.8	656.0	0.86	-0.19	0.84	-2.0	21.4
14,865.0	91.10	359.21	12,841.2	1,937.7	655.4	1.88	-1.65	-0.92	-5.3	21.5
14,960.0	90.75	358.77	12,839.7	2,032.7	653.7	0.59	-0.37	-0.46	-7.0	22.7
15,055.0	88.84	0.44	12,840.2	2,127.7	653.0	2.83	-2.22	1.76	-6.7	22.9



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #740H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3516.0usft (M7502)
Site:	Dauntless 7 Fed	MD Reference:	KB = 25 @ 3516.0usft (M7502)
Well:	#740H	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)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,151.0	87.49	359.73	12,843.5	2,223.7	653.2	1.41	-1.20	-0.74	-3.6	22.3
15,246.0	87.41	359.65	12,847.7	2,318.6	652.7	0.12	-0.08	-0.08	0.5	22.3
15,342.0	88.55	359.38	12,851.1	2,414.5	651.9	1.22	1.19	-0.28	3.7	22.7
15,437.0	90.48	0.79	12,851.9	2,509.5	652.0	2.52	2.03	1.48	4.4	22.1
15,532.0	90.22	359.21	12,851.3	2,604.5	652.0	1.69	-0.27	-1.66	3.7	21.6
15,627.0	92.24	359.29	12,849.3	2,699.4	650.8	2.13	2.13	0.08	1.5	22.4
15,723.0	90.84	359.65	12,846.7	2,795.4	649.9	1.51	-1.46	0.37	-1.3	22.8
15,818.0	88.99	0.17	12,846.8	2,890.4	649.7	2.02	-1.95	0.55	-1.3	22.4
15,913.0	88.72	1.23	12,848.7	2,985.4	650.9	1.15	-0.28	1.12	0.5	20.8
16,009.0	92.15	3.95	12,848.0	3,081.2	655.2	4.56	3.57	2.83	-0.4	16.0
16,104.0	89.69	1.84	12,846.5	3,176.1	660.0	3.41	-2.59	-2.22	-2.1	10.7
16,199.0	90.92	2.19	12,846.0	3,271.0	663.3	1.35	1.29	0.37	-2.7	6.9
16,295.0	87.58	0.44	12,847.2	3,367.0	665.6	3.93	-3.48	-1.82	-1.6	4.2
16,390.0	88.46	0.44	12,850.5	3,461.9	666.3	0.93	0.93	0.00	1.5	3.0
16,414.3	89.02	1.11	12,851.0	3,486.3	666.6	3.61	2.32	2.77	2.0	2.6
TGT#1 (DL 7 Fed #740H)										
16,485.0	90.66	3.07	12,851.2	3,556.9	669.2	3.61	2.32	2.77	2.1	-0.3
16,581.0	89.25	0.00	12,851.3	3,652.8	671.8	3.52	-1.47	-3.20	2.0	-3.4
16,676.0	91.45	358.77	12,850.7	3,747.8	670.7	2.65	2.32	-1.29	1.2	-2.8
16,772.0	87.58	356.31	12,851.5	3,843.7	666.6	4.78	-4.03	-2.56	1.8	0.8
16,867.0	85.91	355.95	12,856.9	3,938.3	660.2	1.80	-1.76	-0.38	6.9	6.8
16,962.0	87.67	356.66	12,862.2	4,033.0	654.1	2.00	1.85	0.75	12.0	12.4
17,058.0	89.78	357.54	12,864.4	4,128.8	649.3	2.38	2.20	0.92	13.8	16.8
17,154.0	90.75	359.38	12,863.9	4,224.8	646.7	2.17	1.01	1.92	13.1	18.9
17,249.0	90.31	359.38	12,863.1	4,319.8	645.6	0.46	-0.46	0.00	11.8	19.4
17,344.0	92.33	3.16	12,860.9	4,414.7	647.8	4.51	2.13	3.98	9.2	16.9
17,440.0	91.36	0.44	12,857.8	4,510.6	650.8	3.01	-1.01	-2.83	5.8	13.4



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #740H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3516.0usft (M7502)
Site:	Dauntless 7 Fed	MD Reference:	KB = 25 @ 3516.0usft (M7502)
Well:	#740H	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)
17,535.0	90.31	359.21	12,856.4	4,605.6	650.5	1.70	-1.11	-1.29	4.0	13.2
17,630.0	93.12	0.70	12,853.6	4,700.5	650.4	3.35	2.96	1.57	0.7	12.8
17,726.0	91.45	1.49	12,849.7	4,796.4	652.2	1.92	-1.74	0.82	-3.6	10.5
17,821.0	89.25	359.21	12,849.1	4,891.4	652.8	3.33	-2.32	-2.40	-4.7	9.4
17,916.0	91.71	1.05	12,848.3	4,986.4	653.0	3.23	2.59	1.94	-6.0	8.8
18,012.0	89.34	0.09	12,847.5	5,082.4	654.0	2.66	-2.47	-1.00	-7.5	7.3
18,107.0	83.98	358.06	12,853.0	5,177.1	652.5	6.03	-5.64	-2.14	-2.5	8.4
18,203.0	86.44	359.12	12,861.0	5,272.8	650.1	2.79	2.56	1.10	4.9	10.3
18,298.0	88.99	359.12	12,864.8	5,367.7	648.6	2.68	2.68	0.00	8.1	11.3
18,393.0	90.22	359.21	12,865.5	5,462.7	647.3	1.30	1.29	0.09	8.1	12.2
18,489.0	90.13	0.44	12,865.2	5,558.7	647.0	1.28	-0.09	1.28	7.1	12.0
18,584.0	89.87	359.65	12,865.2	5,653.7	647.0	0.88	-0.27	-0.83	6.5	11.5
18,622.2	90.30	358.28	12,865.1	5,691.8	646.4	3.77	1.13	-3.59	6.1	12.0
TGT#2 (DL 7 Fed #740H)										
18,638.0	90.48	357.71	12,865.0	5,707.6	645.8	3.77	1.13	-3.59	5.9	12.4
18,733.0	90.75	357.80	12,864.0	5,802.6	642.1	0.30	0.28	0.09	4.2	15.7
18,829.0	91.36	359.82	12,862.2	5,898.5	640.1	2.20	0.64	2.10	1.7	17.2
18,924.0	90.31	359.91	12,860.8	5,993.5	639.9	1.11	-1.11	0.09	-0.4	17.0
19,020.0	90.40	0.44	12,860.2	6,089.5	640.2	0.56	0.09	0.55	-1.7	16.2
19,115.0	91.19	359.82	12,858.9	6,184.5	640.4	1.06	0.83	-0.65	-3.6	15.5
19,211.0	89.69	359.91	12,858.2	6,280.5	640.1	1.57	-1.56	0.09	-5.0	15.3
19,306.0	90.40	359.91	12,858.1	6,375.5	640.0	0.75	0.75	0.00	-5.8	15.0
19,401.0	89.52	0.00	12,858.2	6,470.5	639.9	0.93	-0.93	0.09	-6.3	14.6
19,497.0	89.96	359.82	12,858.6	6,566.5	639.8	0.50	0.46	-0.19	-6.5	14.2
19,592.0	91.54	1.93	12,857.4	6,661.5	641.2	2.77	1.66	2.22	-8.4	12.3
19,687.0	86.79	358.77	12,858.7	6,756.4	641.8	6.00	-5.00	-3.33	-7.6	11.3
19,783.0	87.14	359.03	12,863.8	6,852.3	640.0	0.45	0.36	0.27	-3.1	12.6



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #740H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3516.0usft (M7502)
Site:	Dauntless 7 Fed	MD Reference:	KB = 25 @ 3516.0usft (M7502)
Well:	#740H	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)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
19,878.0	87.32	358.24	12,868.4	6,947.1	637.7	0.85	0.19	-0.83	0.9	14.4
19,973.0	87.14	359.03	12,873.0	7,042.0	635.4	0.85	-0.19	0.83	4.9	16.2
20,068.0	88.64	359.38	12,876.5	7,136.9	634.1	1.62	1.58	0.37	7.9	17.1
20,129.6	90.44	0.17	12,877.0	7,198.5	633.9	3.20	2.93	1.28	8.0	17.0
TGT#3 (DL 7 Fed #740H)										
20,164.0	91.45	0.61	12,876.4	7,232.9	634.1	3.20	2.93	1.28	7.2	16.6
20,259.0	87.67	359.65	12,877.2	7,327.9	634.3	4.11	-3.98	-1.01	7.4	15.9
20,355.0	88.11	0.88	12,880.7	7,423.8	634.8	1.36	0.46	1.28	10.4	15.0
20,450.0	90.84	1.23	12,881.6	7,518.8	636.5	2.90	2.87	0.37	10.7	12.8
20,545.0	92.51	2.37	12,878.8	7,613.7	639.5	2.13	1.76	1.20	7.3	9.3
20,641.0	89.69	0.88	12,876.9	7,709.6	642.2	3.32	-2.94	-1.55	4.8	6.1
20,736.0	89.08	1.05	12,878.0	7,804.6	643.8	0.67	-0.64	0.18	5.2	4.0
20,831.0	89.96	1.58	12,878.8	7,899.6	646.0	1.08	0.93	0.56	5.4	1.4
20,927.0	89.43	0.00	12,879.3	7,995.6	647.3	1.74	-0.55	-1.65	5.3	-0.4
21,022.0	89.96	359.56	12,879.8	8,090.5	647.0	0.73	0.56	-0.46	5.1	-0.5
21,117.0	91.45	0.96	12,878.6	8,185.5	647.4	2.15	1.57	1.47	3.3	-1.4
21,213.0	88.99	357.45	12,878.2	8,281.5	646.1	4.46	-2.56	-3.66	2.2	-0.6
21,308.0	88.72	356.83	12,880.1	8,376.4	641.3	0.71	-0.28	-0.65	3.5	3.7
21,403.0	88.02	357.54	12,882.8	8,471.2	636.7	1.05	-0.74	0.75	5.5	7.9
21,499.0	89.52	357.98	12,884.9	8,567.1	632.9	1.63	1.56	0.46	6.8	11.2
21,594.0	91.10	357.62	12,884.4	8,662.0	629.3	1.71	1.66	-0.38	5.6	14.3
21,616.4	90.89	358.04	12,884.0	8,684.5	628.4	2.07	-0.93	1.85	5.0	15.1
TGT#4 (DL 7 Fed #740H)										
21,689.0	90.22	359.38	12,883.3	8,757.0	626.8	2.07	-0.93	1.85	3.7	16.4
21,785.0	90.31	359.03	12,882.9	8,853.0	625.4	0.38	0.09	-0.36	2.5	17.2
21,880.0	88.90	0.79	12,883.5	8,948.0	625.3	2.37	-1.48	1.85	2.2	16.9
21,975.0	87.05	0.26	12,886.9	9,042.9	626.2	2.03	-1.95	-0.56	4.7	15.6



Lea County, NM (NAD 83 NME)

Dauntless 7 Fed #740H

M7502

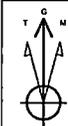
Plan #1

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

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1960
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

WELL DETAILS: #740H

KB = 25 @ 3516.0usft (M7502) 3491.0
 Northing 418891.00 Easting 763851.00 Longitude 103° 36' 52.003 W



Azimuths to Grid North
 True North: -0.38°
 Magnetic North: 6.31°

Magnetic Field
 Strength: 47620.8nT
 Dip Angle: 59.94°
 Date: 1/3/2020
 Model: IGRF2015

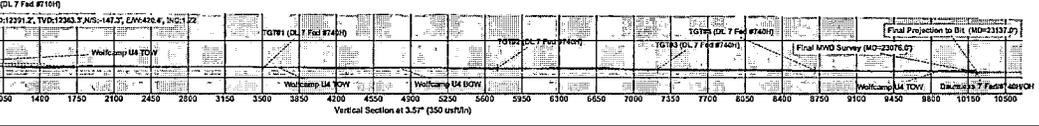
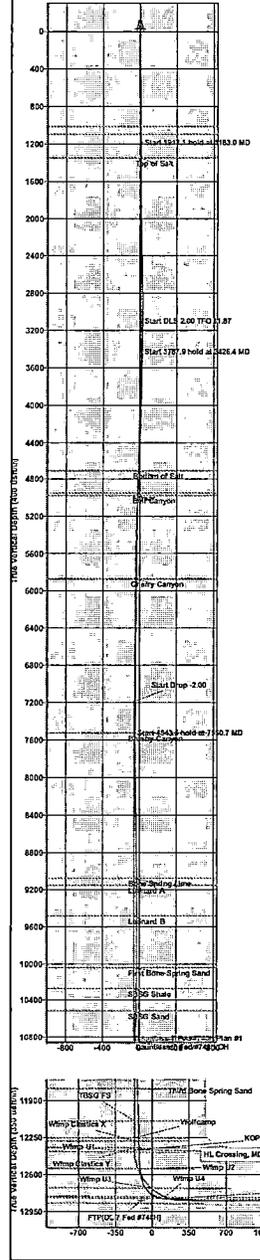
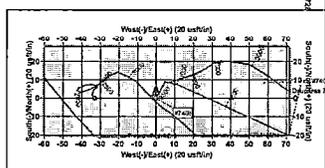
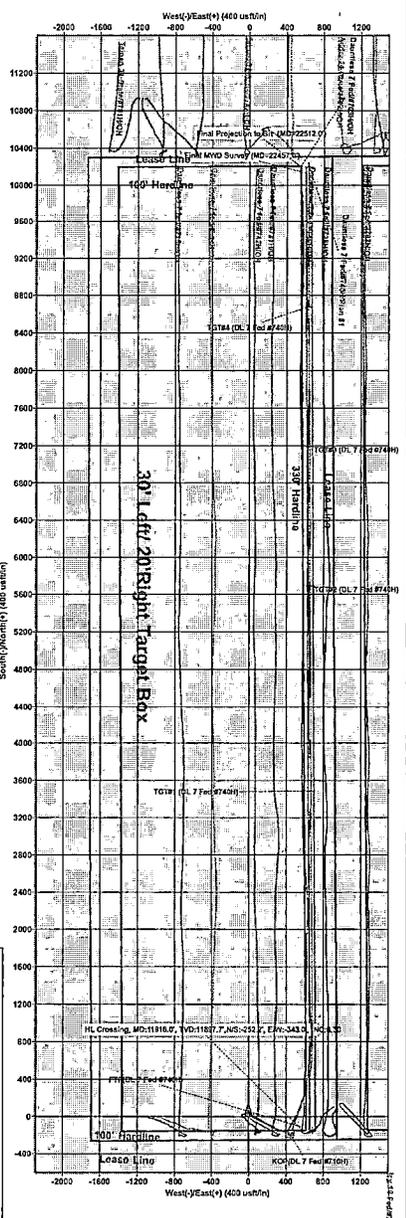
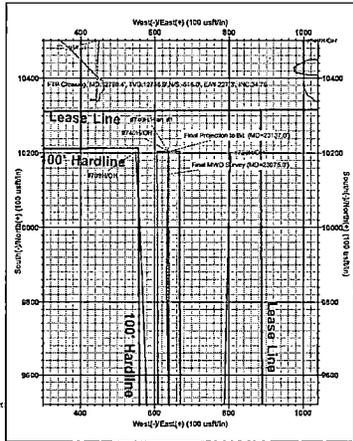
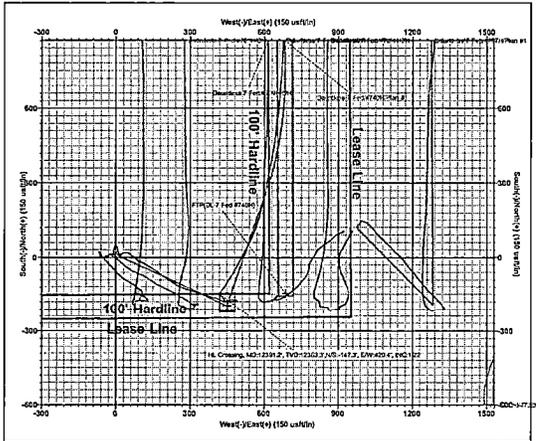
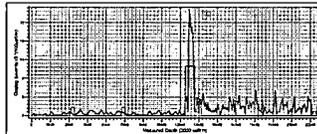
To convert a Magnetic Direction to a Grid Direction, Add 6.31°
 To convert a Magnetic Direction to a True Direction, Add 6.89° East
 To convert a True Direction to a Grid Direction, Subtract 0.58°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	1183.0	0.20	103.28	1182.9	9.1	4.8	0.00	0.00	9.4
2	3100.1	0.20	103.28	3100.0	7.5	11.4	0.00	0.00	8.2
3	3426.4	6.73	114.80	3425.6	-0.6	29.4	2.00	11.87	1.2
4	7214.4	6.73	114.80	7187.5	-186.7	432.1	0.00	0.00	-159.5
5	7550.7	0.00	0.00	7523.0	-195.0	450.0	2.00	180.00	-166.6
6	12394.2	0.00	0.00	12366.5	-195.0	450.0	0.00	0.00	-166.6
7	13143.4	89.91	18.98	12844.0	255.8	605.0	12.00	18.98	292.9
8	13625.1	89.91	359.72	12844.7	728.8	682.9	4.00	-90.01	769.8
9	16382.5	89.91	359.72	12849.0	3486.2	669.2	0.00	0.00	3521.1
10	18588.5	89.57	359.72	12859.0	5692.1	658.3	0.02	179.30	5722.0
11	20094.9	89.67	359.72	12869.0	7198.5	650.9	0.01	-2.38	7225.0
12	21581.3	89.56	359.72	12879.0	8684.8	643.5	0.01	179.82	8708.0
13	23101.6	88.93	359.72	12899.0	10205.0	636.0	0.04	179.68	10224.8

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(DL 7 Fed #710H)	12366.5	-195.0	450.0	416585.00	764301.00
FTP(DL 7 Fed #740H)	12844.0	-145.0	686.0	414736.00	764537.00
TGT1(DL 7 Fed #740H)	12849.0	-486.2	669.2	416367.20	764520.20
TGT2(DL 7 Fed #740H)	12859.0	5652.4	658.3	420573.10	764509.32
TGT3(DL 7 Fed #740H)	12869.0	7198.5	650.9	422079.50	764501.88
TGT4(DL 7 Fed #740H)	12879.0	8684.8	643.5	423585.80	764494.50
PEH(DL 7 Fed #740H)	12899.0	10205.0	636.0	425096.00	764487.00



Lea County, NM (NAD 83 NME)
 Dauntless 7 Fed #740H
 M7502
 Plan #1