

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 30-025-46619	² Pool Code 98180	³ Pool Name WC025 G09 S253309P; UPPER WOLFCAMP KZ
⁴ Property Code 324978	⁵ Property Name DAUNTLESS 7 FED	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number #742H
		⁹ Elevation 3491'

¹⁰Surface Location

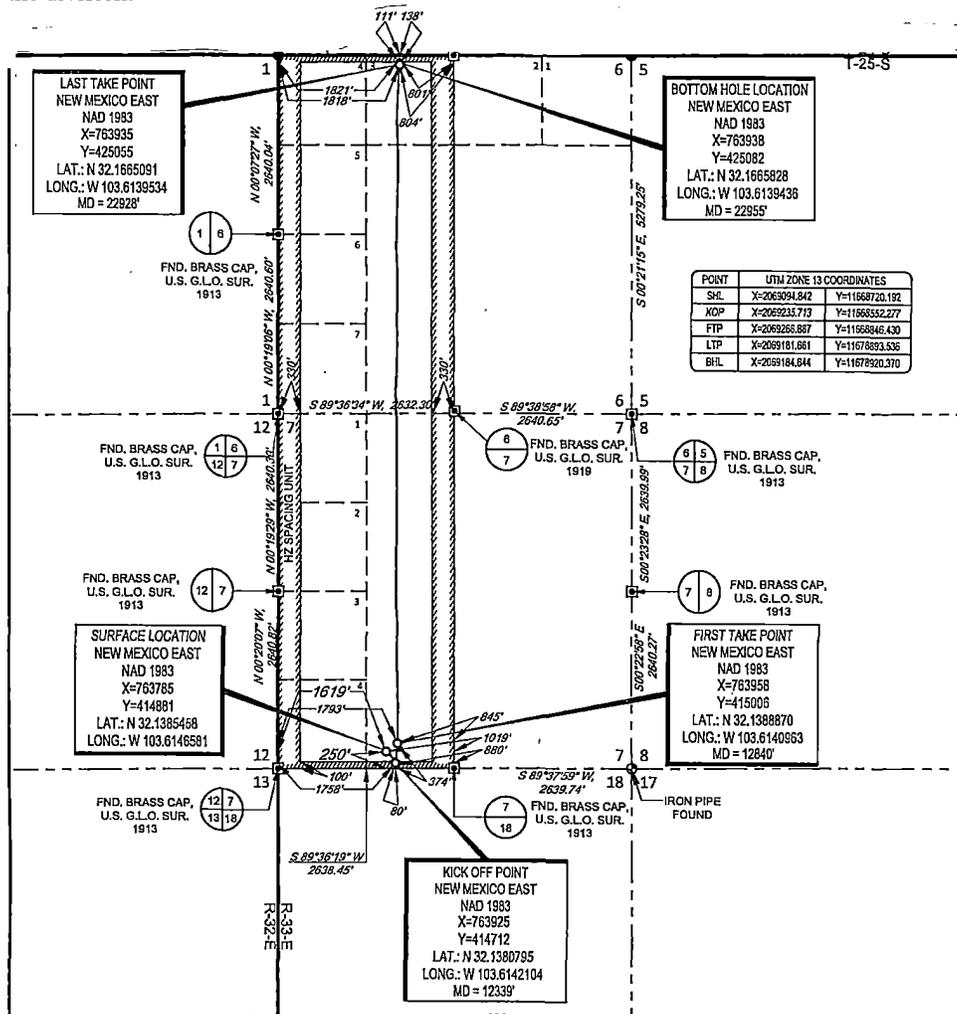
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	7	25-S	33-E	-	250'	SOUTH	1619'	WEST	LEA

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	-	111'	NORTH	1821'	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.

Kay Maddox 10/07/2020
Signature Date

KAY MADDOX

Printed Name

kay_maddox@eogresources.com

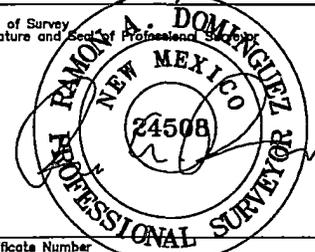
E-mail Address

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.

11/06/2019

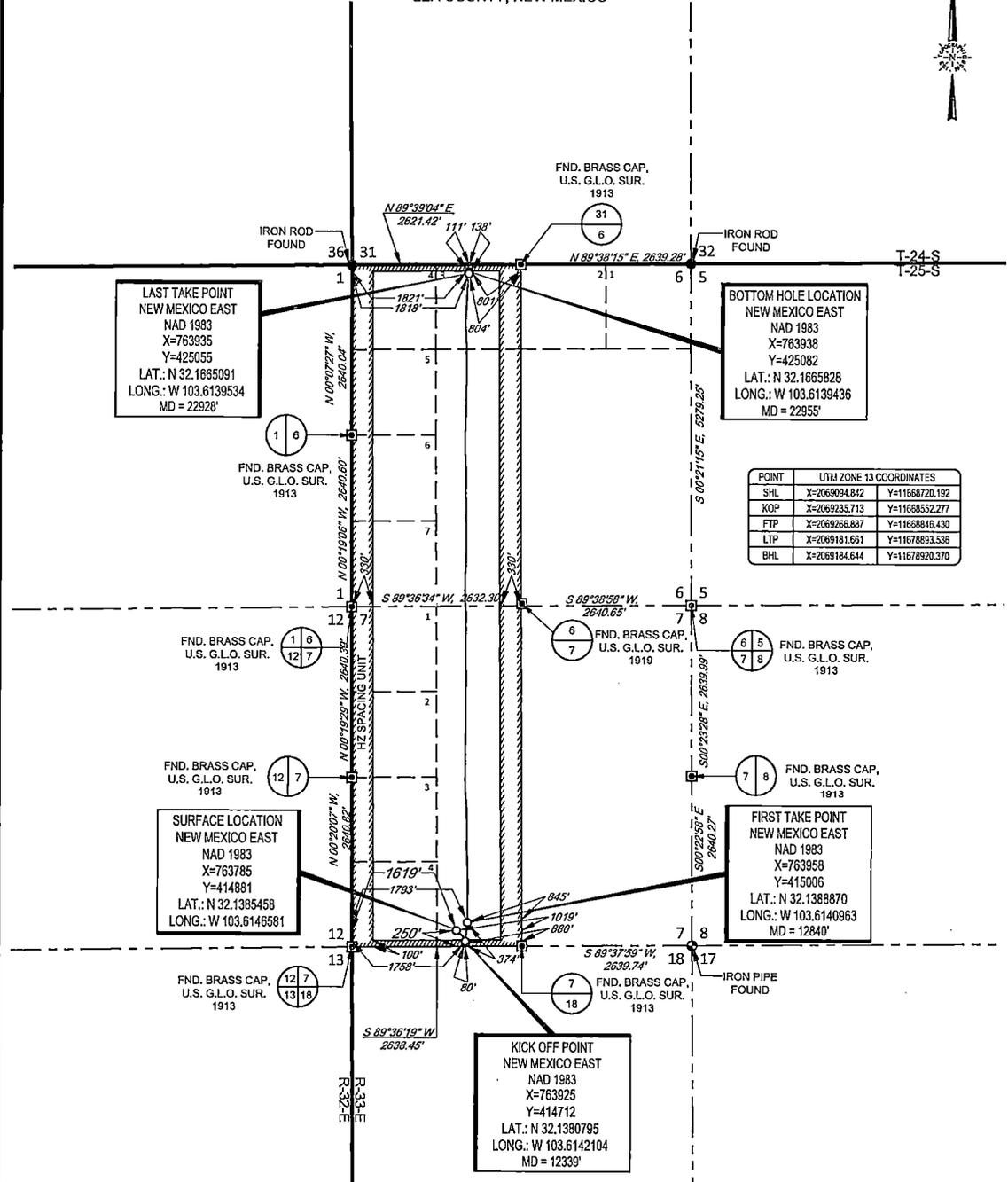
Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number

SCALE: 1" = 2000'
 0' 1000' 2000'

SECTIONS 7, TOWNSHIP 25-S, RANGE 33-E, N.M.P.M.
 LEA COUNTY, NEW MEXICO



POINT	UTM ZONE 13 COORDINATES	
SHL	X=2069494.842	Y=11668720.192
KOP	X=2069233.713	Y=11668532.277
FTP	X=2069266.887	Y=11668846.430
LTP	X=2069181.661	Y=11678893.538
BHL	X=2069184.644	Y=11678920.370

LEASE NAME & WELL NO.: DAUNTLESS 7 FED COM #742H
 SECTION 7 TWP 25-S RGE 33-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3492'
 DESCRIPTION 250' FSL & 1619' 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 #742H AS-COMplete	REVISION:
DATE: 09/16/2020	
FILE:AD_DAUNTLESS_7_FED_742H	
DRAWN BY: A.V.F.	
SHEET: 1 OF 1	

NOTES:
 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM, 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 XXX

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

Kick Off Point (KOP)

UL N	Section 7	Township 25S	Range 33E	Lot	Feet 80	From N/S SOUTH	Feet 1758	From E/W WEST	County LEA
Latitude 32.1380795					Longitude 103.6142104			NAD 1983	

First Take Point (FTP)

UL N	Section 7	Township 25S	Range 33E	Lot	Feet 374	From N/S SOUTH	Feet 1793	From E/W WEST	County LEA
Latitude 32.1388870					Longitude 103.6140963			NAD 1983	

Last Take Point (LTP)

UL C	Section 6	Township 25S	Range 33E	Lot	Feet 138	From N/S NORTH	Feet 1818	From E/W WEST	County LEA
Latitude 32.1665091					Longitude 103.6139534			NAD 1983	

Is this well the defining well for the Horizontal Spacing Unit? YES

Is 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



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dauntless 7 Fed

#742H

OH

Design: OH

Final PVA Report

06 February, 2020





Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #742H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#742H	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:	Dauntless 7 Fed				
Site Position:		Northing:	414,874.00 usft	Latitude:	32° 8' 18.763 N
From:	Map	Easting:	762,795.00 usft	Longitude:	103° 37' 4.285 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.38 °

Well:	#742H					
Well Position	+N-S	0.0 usft	Northing:	414,881.00 usft	Latitude:	32° 0' 18.767 N
	+E-W	0.0 usft	Easting:	763,785.00 usft	Longitude:	103° 36' 52.771 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,491.0 usft

Wellbore:	OH					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
	IGRF2015	8/17/2018	6.84	59.96	47,762.43923973	

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	0.63	

Survey Program	Date	2/6/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
131.0	22,955.0	DrilTech MWD #1 (OH)	EOG MWD+IFR1	MWD + IFR1	



Final PVA Report

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Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#742H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (grid_north_azim)	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	1.49	26.32	131.0	1.5	0.8	1.14	1.14	0.00	-1.7	0.0
316.0	1.49	352.39	315.9	6.1	1.5	0.47	0.00	-18.34	-5.8	-2.3
501.0	1.06	3.20	500.9	10.2	1.3	0.27	-0.23	5.84	-10.2	-0.7
687.0	1.23	8.56	686.8	13.9	1.7	0.11	0.09	2.88	-13.9	0.4
878.0	1.06	0.48	877.8	17.6	2.0	0.12	-0.09	-4.23	-17.7	-1.8
1,068.0	0.88	330.15	1,067.8	20.7	1.3	0.28	-0.09	-15.96	-17.3	-11.4
1,104.0	0.97	340.26	1,103.8	21.2	1.0	0.52	0.25	28.08	-19.6	-8.1
1,255.0	0.35	306.51	1,254.8	22.7	0.2	0.47	-0.41	-22.35	-13.3	-18.4
1,446.0	0.53	284.10	1,445.8	23.2	-1.1	0.13	0.09	-11.73	-6.7	-22.3
1,637.0	0.53	278.12	1,636.8	23.6	-2.8	0.03	0.00	-3.13	-6.1	-22.9
1,828.0	2.20	140.14	1,827.7	20.9	-1.3	1.37	0.87	-72.24	16.9	12.4
2,018.0	6.33	143.65	2,017.1	9.6	7.2	2.18	2.17	1.85	3.5	11.5
2,209.0	7.56	138.20	2,206.7	-8.2	21.8	0.73	0.64	-2.85	-13.2	11.2
2,400.0	7.21	136.18	2,398.2	-26.2	38.5	0.23	-0.18	-1.06	-18.0	11.9
2,591.0	6.86	136.09	2,585.7	-43.1	54.7	0.18	-0.18	-0.05	-14.9	14.1
2,781.0	6.60	137.23	2,774.4	-59.3	70.0	0.15	-0.14	0.60	-10.4	16.2
2,972.0	6.33	133.81	2,964.2	-74.6	85.0	0.25	-0.14	-1.79	-6.5	18.2
3,162.0	6.24	124.49	3,153.1	-87.7	101.1	0.54	-0.05	-4.91	-4.6	22.7
3,353.0	5.89	120.98	3,343.0	-98.6	118.1	0.27	-0.18	-1.84	-1.1	30.7
3,544.0	4.84	116.40	3,533.1	-107.3	133.7	0.59	-0.55	-2.40	2.9	40.8
3,734.0	5.63	134.33	3,722.4	-117.3	147.5	0.95	0.42	9.44	24.6	43.4
3,925.0	5.28	116.05	3,912.5	-127.8	162.1	0.92	-0.18	-9.57	15.4	56.7
4,116.0	3.34	172.04	4,103.0	-137.1	170.8	2.30	-1.02	29.31	57.7	18.7
4,307.0	3.17	149.28	4,293.7	-147.2	174.3	0.68	-0.09	-11.92	38.2	37.1
4,497.0	3.52	132.75	4,483.4	-155.7	181.2	0.54	0.18	-8.70	15.3	44.9
4,688.0	5.45	143.74	4,673.8	-167.0	190.9	1.10	1.01	5.75	8.7	42.3



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #742H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#742H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (")	Azi (grid_north_azim)	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	0.35	194.89	4,864.5	-174.8	196.1	2.74	-2.67	26.78	32.1	26.8
5,070.0	1.67	349.40	5,055.5	-172.7	195.5	1.04	0.69	80.90	-19.7	-37.7
5,261.0	1.58	328.22	5,246.4	-167.7	193.6	0.32	-0.05	-11.09	-10.0	-43.3
5,451.0	1.67	315.04	5,436.4	-163.5	190.2	0.20	0.05	-6.94	-5.2	-45.1
5,642.0	2.11	294.73	5,627.3	-160.1	185.1	0.42	0.23	-10.63	4.7	-45.0
5,833.0	2.29	293.50	5,818.1	-157.1	178.4	0.10	0.09	-0.64	-1.7	-45.0
6,023.0	1.93	276.37	6,008.0	-155.2	171.7	0.38	-0.19	-9.02	4.8	-44.6
6,214.0	1.06	218.80	6,198.9	-156.2	167.4	0.85	-0.46	-30.14	36.7	-22.6
6,404.0	1.32	202.71	6,388.9	-159.6	165.5	0.22	0.14	-8.47	37.7	-12.0
6,595.0	1.14	189.09	6,579.8	-163.5	164.3	0.18	-0.09	-7.13	35.4	-3.3
6,785.0	1.85	187.95	6,769.8	-168.4	163.6	0.37	0.37	-0.60	30.5	-2.6
6,976.0	0.79	83.18	6,960.7	-171.3	164.5	1.15	-0.55	-54.85	-5.7	27.2
7,167.0	0.62	159.82	7,151.7	-172.1	166.1	0.46	-0.09	40.13	23.8	13.2
7,357.0	1.14	149.10	7,341.7	-174.7	167.5	0.29	0.27	-5.64	18.0	17.2
7,548.0	1.06	96.10	7,532.7	-176.5	170.2	0.52	-0.04	-27.75	-5.8	23.2
7,739.0	2.29	72.72	7,723.6	-175.6	175.6	0.72	0.64	-12.24	-19.9	18.3
7,929.0	3.17	96.98	7,913.4	-175.1	184.4	0.75	0.46	12.77	-19.4	26.5
8,120.0	0.79	83.18	8,104.3	-175.6	191.0	1.26	-1.25	-7.23	-31.6	19.8
8,311.0	0.70	273.55	8,295.3	-175.4	191.1	0.78	-0.05	-88.81	27.6	-25.4
8,501.0	0.79	270.30	8,485.2	-175.3	188.7	0.05	0.05	-1.71	26.5	-23.9
8,692.0	0.70	240.33	8,676.2	-175.8	186.3	0.21	-0.05	-15.69	32.6	-8.1
8,883.0	0.44	249.73	8,867.2	-176.7	184.6	0.14	-0.14	4.92	29.0	-13.1
9,074.0	0.44	345.54	9,058.2	-176.2	183.8	0.34	0.00	50.16	-16.6	-26.8
9,264.0	0.70	285.42	9,248.2	-175.2	182.5	0.32	0.14	-31.64	13.4	-28.4
9,455.0	0.97	295.00	9,439.2	-174.2	179.9	0.16	0.14	5.02	5.7	-30.0
9,646.0	1.85	263.01	9,630.1	-173.9	175.3	0.60	0.46	-16.75	16.3	-23.3
9,836.0	1.76	276.72	9,820.0	-173.9	169.4	0.23	-0.05	7.22	4.4	-25.8



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #742H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#742H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey												
MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)		
10,028.0	2.46	267.14	10,011.9	-173.8	162.4	0.41	0.36	-4.99	1.6	-25.2		
10,219.0	2.99	268.02	10,202.7	-174.2	163.3	0.28	0.28	0.46	-7.8	-25.1		
10,409.0	2.46	196.21	10,392.5	-178.3	147.2	1.70	-0.28	-37.79	15.8	-20.0		
10,600.0	2.20	202.89	10,583.4	-185.6	144.6	0.20	-0.14	3.50	5.6	-21.2		
10,791.0	1.41	173.53	10,774.3	-191.3	143.5	0.62	-0.41	-15.37	9.7	-17.5		
10,982.0	1.23	293.94	10,965.2	-192.8	141.9	1.20	-0.09	63.04	-20.9	2.5		
11,172.0	0.70	288.06	11,155.2	-191.6	138.9	0.28	-0.28	-3.09	-24.3	0.1		
11,363.0	1.23	302.82	11,346.2	-190.1	136.1	0.30	0.28	7.73	-26.6	6.6		
11,554.0	1.67	3.29	11,537.1	-186.2	134.5	0.79	0.23	31.66	-11.2	28.2		
11,684.0	2.02	8.83	11,667.1	-182.1	135.0	0.30	0.27	4.26	-12.6	29.3		
11,767.0	2.46	9.53	11,750.0	-178.9	135.5	0.53	0.53	0.84	-15.4	29.5		
11,863.0	1.93	37.39	11,845.9	-175.6	136.8	1.22	-0.55	29.02	-3.3	34.3		
11,958.0	0.88	31.94	11,940.9	-173.7	138.2	1.11	-1.11	-5.74	-8.9	33.6		
12,053.0	0.62	357.75	12,035.9	-172.5	138.5	0.53	-0.27	-35.99	-27.4	22.4		
12,149.0	0.79	349.93	12,131.9	-171.4	138.4	0.20	0.18	-8.15	-31.3	18.4		
12,244.0	1.06	41.43	12,226.9	-170.1	138.8	0.88	0.28	54.21	-6.4	36.5		
12,345.0	0.88	22.54	12,327.9	-168.7	139.8	0.36	-0.18	-18.70	-19.5	32.2		
12,375.0	6.48	12.70	12,357.8	-166.8	140.2	18.71	18.66	-32.76	-26.5	28.4		
KOP (DL 7 Fed #742H)												
12,440.0	18.64	11.69	12,421.1	-153.0	143.1	18.71	18.71	-1.56	-37.2	27.1		
12,450.0	20.64	10.75	12,430.5	-149.7	143.8	20.20	19.95	-9.43	-39.6	26.3		
HL Crossing, MD:12450.0', TVD:12430.5', N/S:-149.7', E/W:143.8', INC:20.64												
12,536.0	37.90	6.59	12,505.3	-108.2	149.7	20.20	20.08	-4.83	-63.3	19.9		
12,631.0	52.76	9.14	12,571.9	-41.5	159.1	15.76	15.64	2.68	-93.7	16.0		
12,678.0	51.70	6.94	12,600.7	-4.8	164.3	4.33	-2.26	-4.68	-107.2	7.2		
12,714.1	51.50	4.43	12,623.1	23.4	167.1	5.48	-0.57	-6.95	-113.0	0.3		
FTP (DL 7 Fed #742H)												



Final PVA Report

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Design:	OH	Database:	EDM

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12,726.0	51.44	3.60	12,630.5	32.7	167.8	5.48	-0.47	-6.98	-114.0	-1.7
12,773.0	52.23	4.22	12,659.6	69.5	170.3	1.98	1.68	1.32	-114.6	-4.4
12,821.0	55.40	2.28	12,687.9	108.2	172.5	7.37	6.60	-4.04	-110.4	-9.7
12,868.0	60.94	1.76	12,712.7	148.1	173.9	11.82	11.79	-1.11	-103.9	-12.4
12,916.0	62.43	2.28	12,735.4	190.3	175.4	3.25	3.10	1.08	-94.3	-14.7
12,963.0	61.73	2.02	12,757.4	231.8	176.9	1.57	-1.49	-0.55	-79.6	-17.7
13,012.0	63.93	358.33	12,779.8	275.4	177.0	8.06	4.49	-7.53	-59.6	-19.1
13,059.0	68.50	0.96	12,798.8	318.4	176.8	10.99	9.72	5.60	-40.8	-18.3
13,107.0	70.79	0.79	12,815.5	363.4	177.5	4.78	4.77	-0.35	-24.2	-18.8
13,139.0	74.92	0.09	12,824.9	394.0	177.7	13.07	12.91	-2.19	-15.0	-18.8
13,203.0	86.17	359.38	12,835.4	457.0	177.4	17.61	17.58	-1.11	-4.9	-18.6
13,286.0	86.79	359.47	12,841.2	551.8	176.5	0.66	0.65	0.09	0.8	-18.1
13,394.0	88.37	359.73	12,845.3	647.7	175.8	1.67	1.65	0.27	4.6	-17.9
13,489.0	89.69	0.35	12,846.9	742.7	175.9	1.54	1.39	0.65	6.0	-18.4
13,584.0	92.24	357.71	12,845.3	837.7	174.3	3.86	2.68	-2.78	4.2	-17.2
13,680.0	88.99	357.98	12,844.3	933.6	170.6	3.40	-3.39	0.28	3.1	-14.1
13,775.0	91.10	359.56	12,844.2	1,028.5	168.6	2.77	2.22	1.66	2.8	-12.5
13,870.0	87.14	357.36	12,845.6	1,123.5	166.1	4.77	-4.17	-2.32	4.1	-10.4
13,966.0	87.41	356.66	12,850.2	1,219.2	161.1	0.78	0.28	-0.73	8.5	-5.9
14,061.0	89.16	358.94	12,853.1	1,314.1	157.4	3.02	1.84	2.40	11.1	-2.7
14,156.0	92.24	1.23	12,851.9	1,409.1	157.5	4.04	3.24	2.41	9.8	-3.3
14,251.0	91.01	0.70	12,849.2	1,504.0	159.1	1.41	-1.29	-0.56	6.9	-5.3
14,347.0	88.55	358.59	12,849.6	1,600.0	158.6	3.38	-2.56	-2.20	7.1	-5.2
14,442.0	89.16	358.94	12,851.5	1,695.0	156.5	0.74	0.64	0.37	8.8	-3.6
14,537.0	90.04	358.33	12,852.1	1,789.9	154.2	1.13	0.93	-0.64	9.3	-1.8
14,619.6	91.03	358.93	12,851.4	1,872.5	152.3	1.40	1.20	0.73	8.4	-0.2

TGT 1 (DL 7 Fed #742H)



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #742H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#742H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,633.0	91.19	359.03	12,851.1	1,885.9	152.0	1.40	1.20	0.73	8.1	-0.1
14,728.0	89.43	355.87	12,850.6	1,980.8	147.8	3.81	-1.85	-3.33	7.2	3.7
14,823.0	90.84	355.60	12,850.4	2,075.5	140.7	1.51	1.48	-0.28	6.7	10.3
14,919.0	90.84	356.75	12,849.0	2,171.3	134.3	1.20	0.00	1.20	4.9	16.3
15,014.0	88.29	357.71	12,849.7	2,266.2	129.7	2.87	-2.68	1.01	5.3	20.4
15,109.0	88.37	0.00	12,852.4	2,361.1	127.8	2.41	0.08	2.41	7.7	21.8
15,205.0	89.78	2.19	12,854.0	2,457.1	129.7	2.71	1.47	2.28	8.9	19.5
15,300.0	89.16	0.70	12,854.9	2,552.0	132.1	1.70	-0.65	-1.57	9.5	16.7
15,396.0	89.43	359.65	12,856.1	2,648.0	132.4	1.13	0.28	-1.09	10.3	15.9
15,491.0	88.99	358.68	12,857.4	2,743.0	131.0	1.12	-0.46	-1.02	11.3	16.9
15,586.0	89.52	359.03	12,858.6	2,838.0	129.1	0.67	0.56	0.37	12.2	18.3
15,681.0	89.69	1.76	12,859.3	2,933.0	129.7	2.88	0.18	2.87	12.5	17.2
15,777.0	89.34	1.58	12,860.1	3,028.9	132.5	0.41	-0.36	-0.19	13.0	13.9
15,872.0	90.31	1.84	12,860.4	3,123.9	135.4	1.06	1.02	0.27	12.9	10.6
15,967.0	87.05	0.00	12,862.5	3,218.8	136.9	3.94	-3.43	-1.94	14.8	8.7
16,063.0	88.99	359.73	12,865.9	3,314.8	136.7	2.04	2.02	-0.28	17.7	8.4
16,158.0	89.69	359.38	12,867.0	3,409.8	135.9	0.82	0.74	-0.37	16.5	8.7
16,253.0	90.84	359.29	12,866.5	3,504.7	134.8	1.21	1.21	-0.09	17.7	9.4
16,349.0	91.36	359.82	12,864.7	3,600.7	134.1	0.77	0.54	0.55	15.5	9.6
16,444.0	93.12	0.52	12,861.0	3,695.6	134.4	1.99	1.85	0.74	11.5	8.9
16,540.0	92.51	0.70	12,866.2	3,791.5	135.4	0.66	-0.64	0.19	6.4	7.4
16,635.0	90.31	359.91	12,853.9	3,886.5	135.9	2.46	-2.32	-0.83	3.8	6.5
16,730.0	88.37	359.21	12,855.0	3,981.5	135.2	2.17	-2.04	-0.74	4.5	6.7
16,826.0	88.99	359.73	12,857.2	4,077.4	134.3	0.84	0.65	0.54	6.4	7.2
16,921.0	89.69	0.26	12,858.3	4,172.4	134.3	0.92	0.74	0.56	7.1	6.7
17,017.0	87.58	359.29	12,860.6	4,268.4	133.9	2.42	-2.20	-1.01	9.1	6.6
17,112.0	88.55	359.03	12,863.8	4,363.3	132.5	1.06	1.02	-0.27	12.0	7.6



Final PVA Report

Company: EOG Resources - Midland
 Project: Lea County, NM (MAD 83 NME)
 Site: Dauntless 7 Fed
 Well: #742H
 Wellbore: -OH
 Design: -OH

Local Co-ordinate Reference:
 Well #742H
 KB = 22' @ 3513.0usft
 MD Reference:
 TVD Reference:
 North Reference:
 Survey Calculation Method:
 Minimum Curvature
 Gnd
 EDM

Database:
 Survey Calculation Method:
 Minimum Curvature
 EDM

MD (usft)	Inc (")	Azi (grnd_north_azim)	TVD (usft)	N/S (usft)	EM (usft)	Dleg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,208.0	89.96	359.65	12,865.1	4,459.3	131.4	1.60	1.47	0.65	12.9	8.2
17,303.0	91.80	0.70	12,863.6	4,554.3	131.7	2.23	1.94	1.11	11.1	7.5
17,398.0	92.95	0.70	12,859.7	4,649.2	132.8	1.21	1.21	0.00	6.8	5.9
17,436.8	91.77	0.38	12,858.1	4,688.0	133.2	3.14	-3.03	-0.82	5.1	5.3
17,494.0	90.04	359.91	12,857.2	4,745.2	133.4	3.14	-3.03	-0.82	3.8	4.9
17,589.0	89.87	359.03	12,857.2	4,840.2	132.5	0.94	-0.18	-0.93	3.2	5.3
17,684.0	88.46	357.71	12,858.6	4,935.1	129.8	2.03	-1.48	-1.39	3.9	7.5
17,780.0	84.94	357.10	12,864.1	5,030.8	125.4	3.72	-3.67	-0.64	8.8	11.5
17,875.0	87.93	357.10	12,870.0	5,125.5	120.6	3.15	3.15	0.00	14.0	15.8
17,970.0	89.34	359.21	12,872.3	5,220.4	117.6	2.67	1.48	2.22	15.7	18.4
18,066.0	89.78	358.42	12,873.0	5,316.4	115.6	0.94	0.46	-0.82	15.8	19.9
18,161.0	90.92	359.82	12,872.5	5,411.4	114.1	1.90	1.20	1.47	14.5	20.9
18,257.0	90.84	2.81	12,871.0	5,507.3	116.3	3.12	-0.08	3.11	12.4	18.2
18,352.0	92.42	3.78	12,868.3	5,602.1	121.8	1.95	1.66	1.02	9.0	12.3
18,447.0	92.66	1.67	12,863.9	5,696.9	126.3	2.27	0.46	-2.22	4.0	7.3
18,543.0	91.54	1.40	12,860.2	5,792.8	128.9	1.40	-1.37	-0.28	-0.3	4.3
18,638.0	92.51	1.67	12,856.9	5,887.7	131.4	1.06	1.02	0.28	-4.3	1.3
18,733.0	91.19	0.52	12,853.8	5,982.7	133.2	1.84	-1.39	-1.21	-8.1	-1.0
18,829.0	88.99	358.50	12,853.7	6,078.6	132.4	3.11	-2.29	-2.10	-8.9	-0.6
18,924.0	87.14	359.47	12,856.9	6,173.6	130.7	2.20	-1.95	1.02	-6.3	0.6
19,020.0	88.72	359.29	12,860.3	6,269.5	129.7	1.66	1.65	-0.19	-3.5	1.2
19,115.0	86.88	359.47	12,864.0	6,364.4	128.7	1.95	-1.94	0.19	-0.5	1.8
19,211.0	88.20	0.00	12,868.1	6,460.3	128.2	1.48	1.37	0.55	3.0	1.8
19,306.0	88.46	359.91	12,870.9	6,555.3	128.2	0.29	0.27	-0.09	5.1	1.4
19,401.0	88.37	359.29	12,873.5	6,650.3	127.5	0.66	-0.09	-0.65	7.1	1.6
19,497.0	87.58	358.86	12,876.9	6,746.2	125.9	0.94	-0.82	-0.45	9.8	2.7

TGT 2 (DL 7 Fed #742H)



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #742H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#742H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
19,592.0	90.57	359.82	12,878.4	6,841.1	124.8	3.31	3.15	1.01	10.7	3.3
19,687.0	91.19	359.47	12,877.0	6,936.1	124.3	0.75	0.65	-0.37	8.6	3.4
19,783.0	90.84	359.29	12,875.3	7,032.1	123.2	0.41	-0.36	-0.19	6.2	4.0
19,878.0	91.28	358.50	12,873.5	7,127.1	121.4	0.95	0.46	-0.83	3.8	5.4
19,973.0	91.54	357.19	12,871.2	7,222.0	117.8	1.41	0.27	-1.38	0.8	8.5
20,069.0	91.80	357.01	12,868.4	7,317.8	113.0	0.33	0.27	-0.19	-2.6	12.9
20,164.0	88.72	357.71	12,867.9	7,412.7	108.6	3.32	-3.24	0.74	-3.7	16.8
20,259.0	89.34	0.26	12,869.5	7,507.7	106.9	2.76	0.65	2.68	-2.8	18.0
20,355.0	90.31	1.40	12,869.8	7,603.7	108.3	1.56	1.01	1.19	-3.1	16.2
20,360.8	90.33	1.40	12,869.8	7,609.5	108.4	0.37	0.37	0.00	-3.2	16.0
TGT 3 (DL 7 Fed #742H)										
20,450.0	90.66	1.40	12,869.0	7,698.6	110.6	0.37	0.37	0.00	-4.7	13.4
20,545.0	91.54	1.84	12,867.2	7,793.6	113.3	1.04	0.93	0.46	-7.3	10.3
20,641.0	87.85	0.79	12,867.7	7,889.5	115.5	4.00	-3.84	-1.09	-7.5	7.6
20,736.0	88.99	1.40	12,870.3	7,984.5	117.3	1.36	1.20	0.64	-5.6	5.3
20,831.0	87.67	1.23	12,873.1	8,079.4	119.5	1.40	-1.39	-0.18	-3.6	2.7
20,927.0	86.35	0.52	12,878.1	8,175.3	121.0	1.56	-1.37	-0.74	0.6	0.8
21,045.0	89.16	1.67	12,882.7	8,293.1	123.2	2.57	2.38	0.97	4.3	-2.0
21,141.0	87.05	1.23	12,885.9	8,389.0	125.6	2.25	-2.20	-0.46	6.7	-4.9
21,236.0	89.69	359.65	12,888.6	8,484.0	126.4	3.24	2.78	-1.66	8.7	-6.1
21,331.0	90.40	0.35	12,888.5	8,579.0	126.4	1.05	0.75	0.74	7.9	-6.6
21,426.0	90.75	0.70	12,887.6	8,674.0	127.2	0.52	0.37	0.37	6.2	-7.9
21,522.0	87.67	359.73	12,888.9	8,770.0	127.6	3.36	-3.21	-1.01	6.7	-8.7
21,617.0	84.94	359.56	12,895.0	8,864.7	127.0	2.88	-2.87	-0.18	12.1	-8.6
21,625.7	85.19	359.54	12,895.8	8,873.5	127.0	2.86	2.84	-0.28	12.8	-8.6
TGT 4 (DL 7 Fed #742H)										
21,713.0	87.67	359.29	12,901.2	8,960.5	126.1	2.86	2.84	-0.28	17.7	-8.1



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #742H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#742H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
21,808.0	91.80	357.19	12,901.7	9,055.5	123.1	4.88	4.35	-2.21	17.6	-5.6
21,903.0	90.48	355.43	12,899.8	9,150.2	117.0	2.32	-1.39	-1.85	15.1	0.0
21,998.0	98.31	359.82	12,892.5	9,244.8	113.1	9.44	8.24	4.62	7.2	3.5
22,094.0	92.42	359.29	12,883.5	9,340.3	112.3	6.16	-6.14	-0.55	-2.3	3.8
22,189.0	88.72	358.94	12,882.6	9,435.3	110.9	3.91	-3.89	-0.37	-3.8	4.8
22,284.0	93.30	2.63	12,880.9	9,530.2	112.2	6.19	4.82	3.88	-6.1	3.1
22,380.0	93.56	3.25	12,875.2	9,625.9	117.1	0.70	0.27	0.65	-12.4	-2.3
22,475.0	94.35	3.43	12,868.6	9,720.5	122.6	0.85	0.83	0.19	-19.5	-8.3
22,571.0	92.86	1.05	12,862.6	9,816.3	126.4	2.92	-1.55	-2.48	-26.1	-12.5
22,666.0	89.25	4.22	12,860.8	9,911.1	130.7	5.06	-3.80	3.34	-28.5	-17.3
22,761.0	86.70	3.78	12,864.2	10,005.8	137.3	2.72	-2.68	-0.46	-25.7	-24.3
22,857.0	88.55	3.34	12,868.1	10,101.5	143.3	1.98	1.93	-0.46	-22.3	-30.8
22,893.0	92.33	6.06	12,867.9	10,137.4	146.2	12.93	10.50	7.56	-22.7	-33.9
Final MWD Survey (MD=22893.0')										
22,952.6	92.33	6.06	12,865.4	10,196.7	152.5	0.00	0.00	0.00	-25.5	-40.5
PBHL (DL 7 Fed #742H)										
22,955.0	92.33	6.06	12,865.3	10,199.0	152.8	0.00	0.00	0.00	-25.6	-40.8
Final Projection to Bit (MD=22955.0')										

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,450.0	12,430.5	-149.7	143.8	HL Crossing, MD:12450.0', TVD:12430.5', N/S:-149.7', E/W:143.8', INC:20.64
22,893.0	12,867.9	10,137.4	146.2	Final MWD Survey (MD=22893.0')
22,955.0	12,865.3	10,199.0	152.8	Final Projection to Bit (MD=22955.0')

Checked By: _____ Approved By: _____ Date: _____

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

Kay Maddox 10/01/2020
 Signed Date



Lea County, NM (NAD 83 NME)

Dauntless 7 Fed #742H

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: #742H

KB = 22' @ 3513.0usft 3491.0
 Northing 414891.00 Easting 763785.00 Latitude 32° 8' 18.771 N Longitude 103° 36' 52.771 W



Azimuths to Grid North
 True North: -0.38°
 Magnetic North: 6.46°

Magnetic Field
 Strength: 47762.4nT
 Dip Angle: 59.96°
 Date: 8/17/2016
 Model: IGRF2015

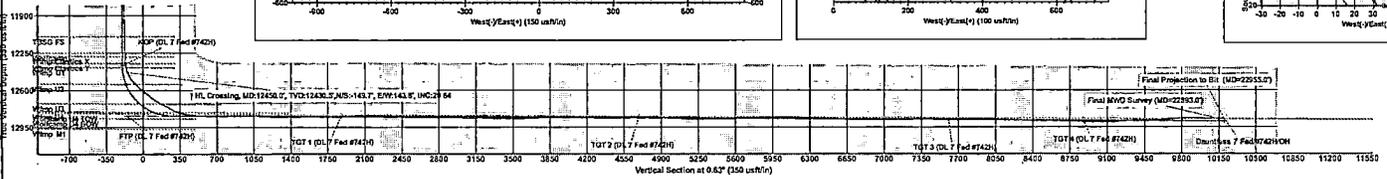
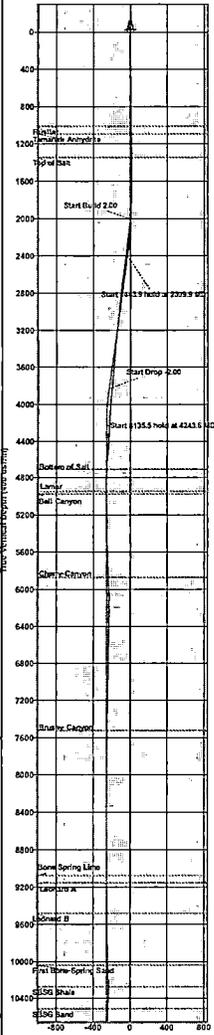
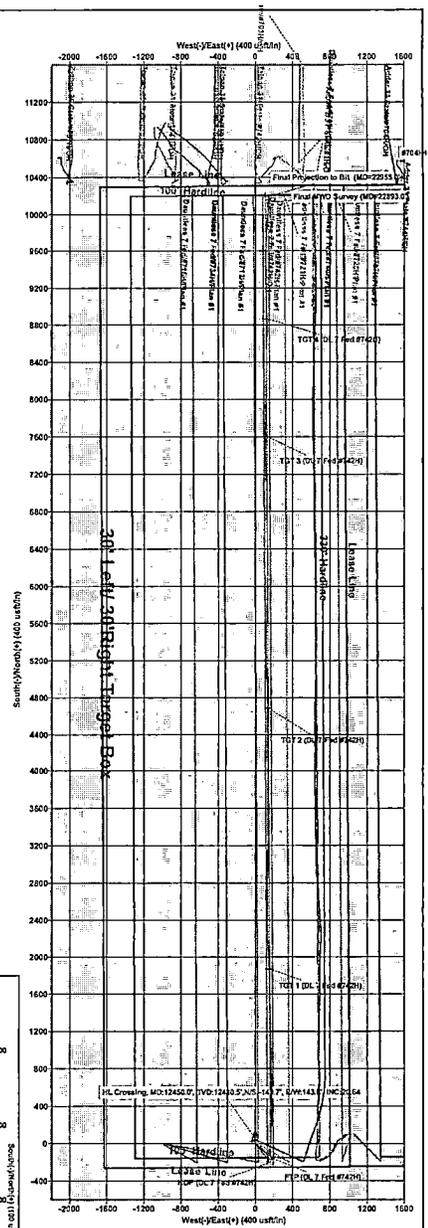
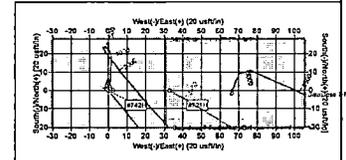
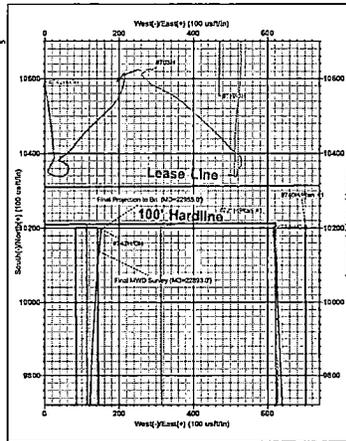
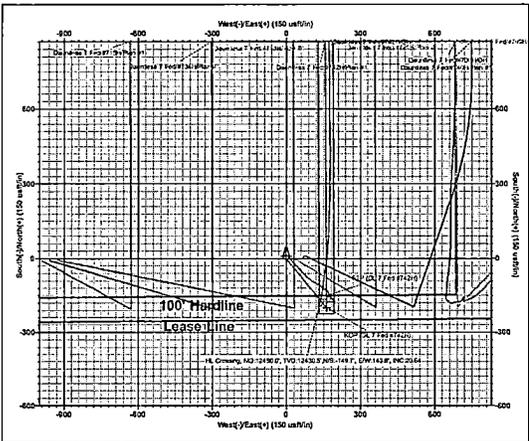
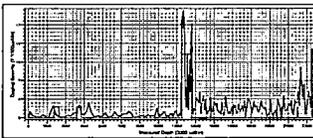
To convert a Magnetic Direction to a Grid Direction, Add 6.46°
 To convert a Magnetic Direction to a True Direction, Add 6.84° East
 To convert a True Direction to a Grid Direction, Subtract 0.38°

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	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0
3	2399.9	8.00	140.85	2398.6	-21.6	17.6	2.00	140.85	-21.4
4	3843.8	8.00	140.85	3828.4	-177.4	144.4	0.00	0.00	-175.8
5	4243.6	0.00	0.00	4227.0	-199.0	162.0	2.00	180.00	-197.2
6	12379.1	0.00	0.00	12362.5	-199.0	162.0	0.00	0.00	-197.2
7	13128.2	89.89	359.72	12840.0	277.6	159.7	12.00	359.72	279.3
8	14723.1	89.89	359.72	12843.0	1872.4	152.0	0.00	0.00	1874.0
9	14727.8	89.80	359.72	12843.0	1877.1	152.0	2.00	-180.00	1878.7
10	17548.0	89.80	359.72	12853.0	4687.8	138.5	0.00	0.00	4689.0
11	17548.0	89.61	359.72	12853.0	4697.2	138.5	2.00	180.00	4698.5
12	20460.0	89.61	359.72	12873.0	7609.1	124.5	0.00	0.00	7610.0
13	20463.0	89.55	359.72	12873.0	7612.1	124.5	2.00	-180.00	7613.0
14	21725.1	89.55	359.72	12883.0	8874.2	118.4	0.00	0.00	8875.0
15	21730.5	89.66	359.72	12883.0	8879.6	118.4	2.00	0.00	8880.4
16	23052.9	89.66	359.72	12891.0	10202.0	112.0	0.00	0.00	10202.6

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP (DL 7 Fed #742H)	12362.5	-199.0	162.0	414689.00	763847.00
FTP (DL 7 Fed #742H)	12840.0	-149.0	162.0	414732.00	763847.00
TGT 1 (DL 7 Fed #742H)	12843.0	1872.4	152.0	418753.40	763337.04
TGT 2 (DL 7 Fed #742H)	12853.0	4687.8	138.5	419568.80	763923.51
TGT 3 (DL 7 Fed #742H)	12873.0	7609.1	124.5	422490.10	763809.46
TGT 4 (DL 7 Fed #742H)	12883.0	8874.2	118.4	423745.20	763893.39
PBHL (DL 7 Fed #742H)	12891.0	10202.0	112.0	425083.00	763897.00



Lea County, NM (NAD 83 NME)
 Dauntless 7 Fed #742H
 Plan #1