

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 30-025-46618	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 #721H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3491'

¹⁰Surface Location

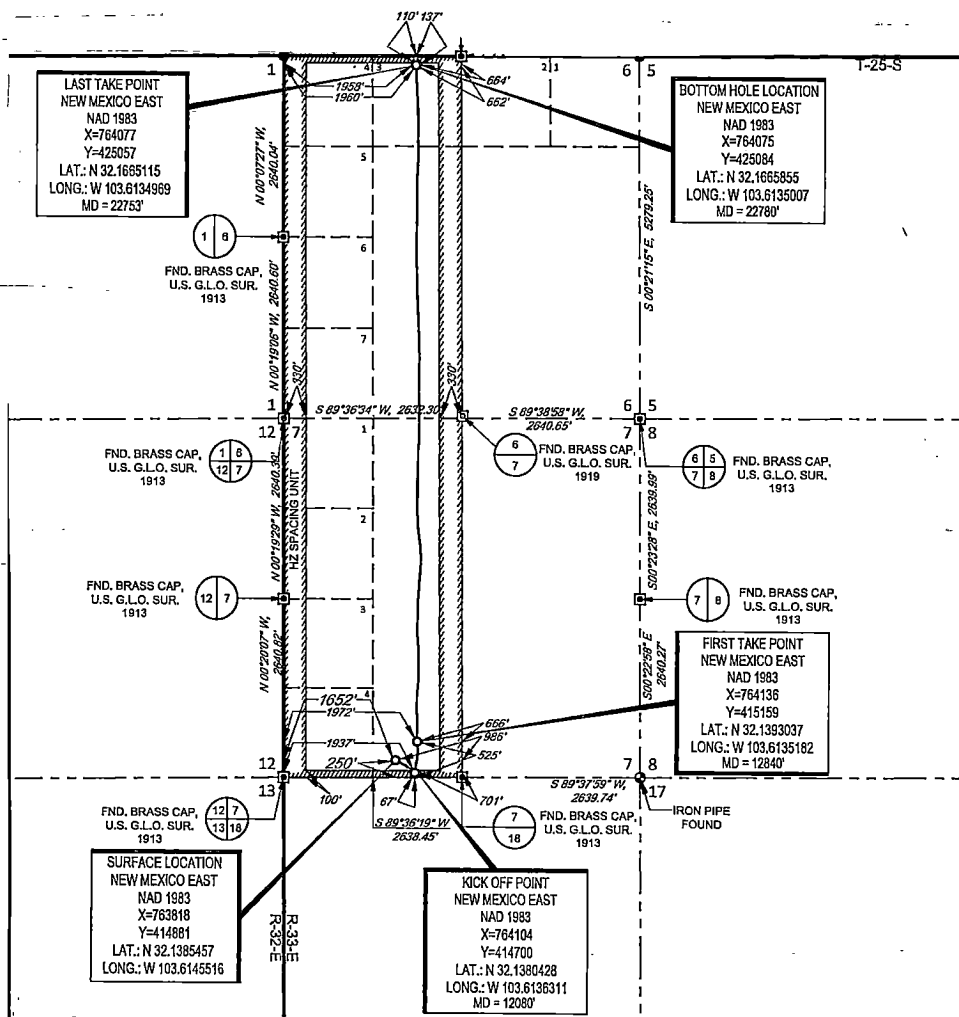
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	7	25-S	33-E	-	250'	SOUTH	1652'	WEST	LEA

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	-	110'	NORTH	1958'	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

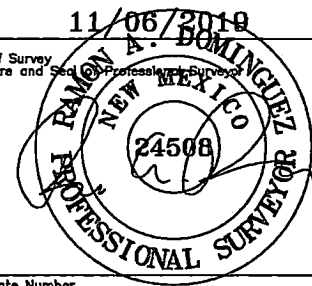
E-mail Address

¹⁸SURVEYOR CERTIFICATION

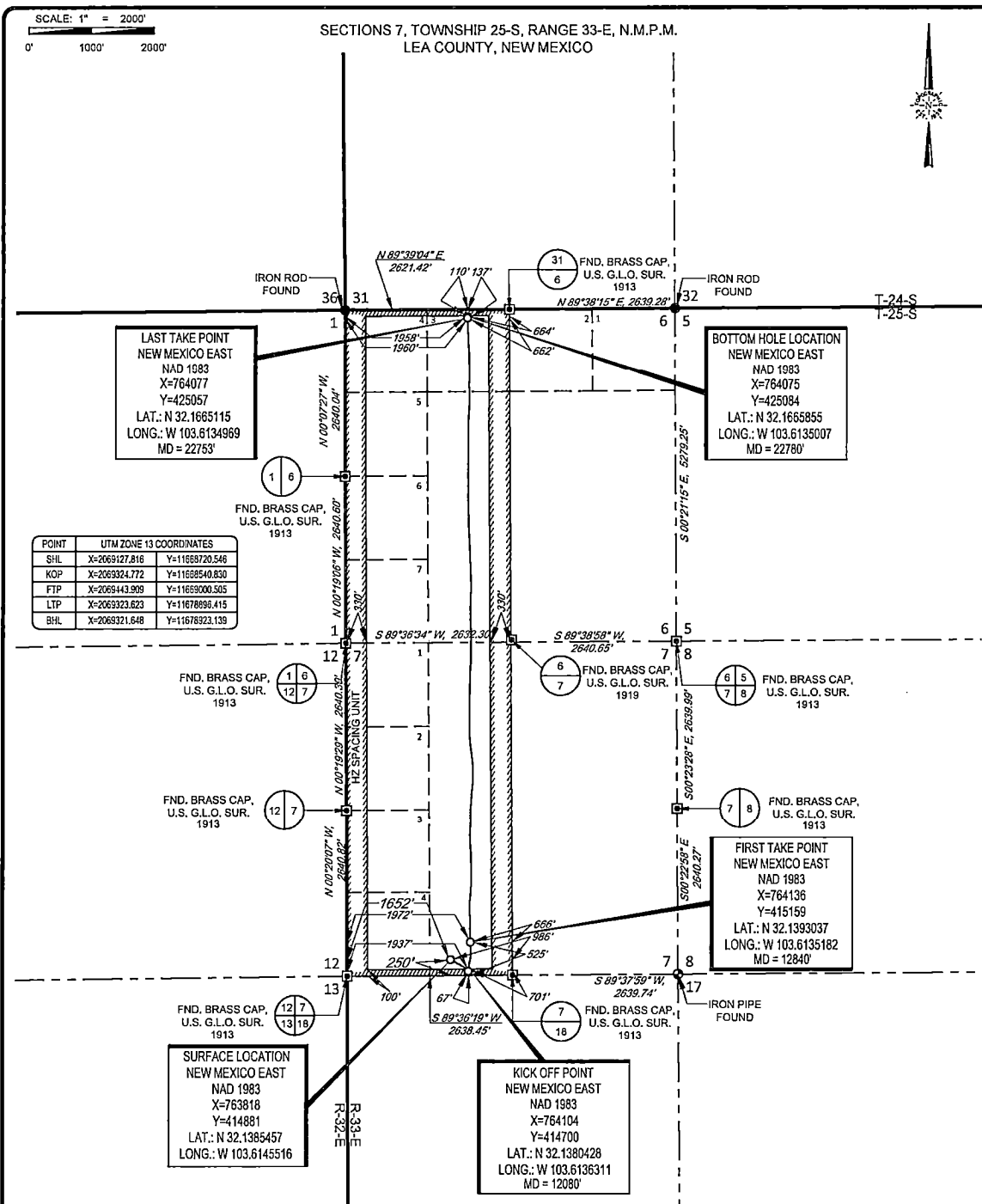
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

11/06/2019

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number

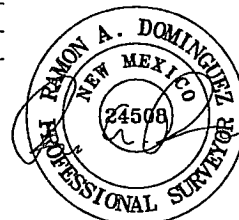


LEASE NAME & WELL NO.: DAUNTLESS 7 FED COM #721H
SECTION 7 TWP 25-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3492'
DESCRIPTION 250' FSL & 1652' FWL



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
SEPTEMBER 16, 2020

EOG resources, Inc.

DAUNTLESS 7 FED COM #721H AS-COMPLETE	REVISION:
DATE: 09/16/2020	
FILE: AD_DAUNTLESS_7_FED_721H	
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 ☒ XXXAPI #
30-025-46618Operator Name:
EOG RESOURCES, INCProperty Name:
DAUNTLESS 7 FEDERALWell Number
721H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	7	25S	33E		67	SOUTH	1937	WEST	LEA
Latitude					Longitude				NAD
32.1380428					103.6136311				1983

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	7	25S	33E		525	SOUTH	1972	WEST	LEA
Latitude					Longitude				NAD
32.1393037					103.6135182				1983

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	6	25S	33E		137	NORTH	1960	WEST	LEA
Latitude					Longitude				NAD
32.1665115					103.6134969				1983

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

☐ NO

Is 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 #
30-025-46619Operator Name:
EOG RESOURCES, INCProperty Name:
DAUNTLESS 7 FEDERALWell Number
#742H

KZ



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dauntless 7 Fed

#721H

OH

Design: OH

Midland Final PVA

23 February, 2020



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#721H	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	#721H					
Well Position	+N-S	0.0 usft	Northing:	414,881.00 usft	Latitude:	32° 8' 18.765 N
	+E-W	0.0 usft	Easting:	763,818.00 usft	Longitude:	103° 36' 52.387 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	47,762.45005474

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	1.57

Survey Program	Date	2/23/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
131.0	22,780.0	DrilTech MWD #1 (OH)	EOG MWD+IFR1	MWD + IFR1



EOG Resources
Midland Final PVA

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Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#721H	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	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0
131.0	0.53	277.69	131.0	0.1	-0.6	0.40	0.40	0.00	-0.6	0.0		
316.0	0.79	3.47	316.0	1.5	-1.4	0.50	0.14	46.37	-1.4	1.5		
501.0	0.79	24.38	501.0	3.9	-0.8	0.15	0.00	11.30	-3.2	2.3		
687.0	0.44	62.97	687.0	5.4	0.4	0.28	-0.19	20.75	-2.8	4.6		
878.0	0.18	62.79	878.0	5.9	1.3	0.14	-0.14	-0.09	-3.9	4.6		
973.0	0.53	313.19	973.0	6.2	1.1	0.65	0.37	-115.37	-3.4	-5.3		
1,104.0	0.88	300.71	1,103.9	7.2	-0.2	0.29	0.27	-9.53	-3.8	-6.1		
1,257.0	0.88	265.82	1,256.9	7.7	-2.4	0.34	0.00	-22.80	-1.8	-7.8		
1,448.0	0.88	249.30	1,447.9	7.1	-5.2	0.13	0.00	-8.65	-2.4	-8.4		
1,639.0	0.88	251.93	1,638.9	6.1	-8.0	0.02	0.00	1.38	-5.7	-8.2		
1,829.0	0.88	186.72	1,828.9	4.2	-9.5	0.50	0.00	-34.32	3.0	-9.9		
2,020.0	1.58	76.85	2,019.8	3.3	-7.1	1.07	0.37	-57.52	6.2	4.9		
2,211.0	1.58	64.55	2,210.8	5.1	-2.2	0.18	0.00	-6.44	-0.2	5.5		
2,402.0	1.58	53.12	2,401.7	7.8	2.3	0.16	0.00	-5.98	-6.5	4.8		
2,592.0	2.29	46.44	2,591.6	12.0	7.1	0.39	0.37	-3.52	-13.4	3.7		
2,783.0	1.58	92.15	2,782.5	14.5	12.5	0.86	-0.37	23.93	-12.0	14.9		
2,974.0	1.94	134.33	2,973.4	12.1	17.5	0.69	0.19	22.08	-4.0	20.9		
3,164.0	2.11	110.96	3,163.3	8.6	23.1	0.44	0.09	-12.30	-18.4	16.3		
3,355.0	2.29	164.74	3,354.2	3.7	27.3	1.05	0.09	28.16	-2.9	26.6		
3,546.0	5.28	121.85	3,544.8	-4.6	35.8	2.05	1.57	-22.46	-20.1	14.8		
3,736.0	6.86	133.63	3,733.7	-17.1	51.5	1.05	0.83	6.20	-15.0	15.4		
3,927.0	7.21	127.65	3,923.3	-32.3	69.2	0.42	0.18	-3.13	-16.7	9.9		
4,118.0	6.16	129.59	4,113.0	-46.1	86.6	0.56	-0.55	1.02	-15.6	7.3		
4,309.0	7.74	112.19	4,302.6	-57.5	106.4	1.37	0.83	-9.11	-16.7	2.8		
4,499.0	7.92	112.36	4,490.8	-67.3	130.4	0.10	0.09	0.09	-19.7	6.4		
4,690.0	9.15	122.38	4,679.7	-80.5	155.4	1.01	0.64	5.25	-23.3	11.4		



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#721H	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)
4,881.0	6.69	123.44	4,868.9	-94.7	177.5	1.29	-1.29	0.55	-26.2	11.0
5,072.0	5.45	121.15	5,058.8	-105.6	194.5	0.66	-0.65	-1.20	-23.5	9.5
5,262.0	7.21	117.64	5,247.6	-115.8	212.8	0.95	0.93	-1.85	-21.8	8.8
5,453.0	6.69	116.05	5,437.2	-126.2	233.4	0.29	-0.27	-0.83	-22.0	9.8
5,644.0	6.16	114.12	5,627.0	-135.3	252.8	0.30	-0.28	-1.01	-20.5	11.5
5,835.0	7.74	120.98	5,816.6	-146.1	273.1	0.93	0.83	3.59	-18.8	15.0
6,025.0	6.33	120.27	6,005.2	-158.0	293.2	0.74	-0.74	-0.37	-19.1	14.9
6,121.0	6.16	119.74	6,100.6	-163.2	302.2	0.19	-0.18	-0.55	-18.0	14.9
6,311.0	5.45	116.93	6,289.6	-172.3	319.1	0.40	-0.37	-1.48	-14.8	15.1
6,502.0	4.57	130.82	6,479.9	-181.4	332.9	0.78	-0.46	7.27	-5.3	16.6
6,692.0	1.76	124.49	6,669.6	-188.0	341.1	1.49	-1.48	-3.33	-6.0	14.3
6,883.0	0.53	135.04	6,860.6	-190.3	344.1	0.65	-0.64	5.52	-5.9	15.4
7,073.0	1.06	77.73	7,050.5	-190.5	346.5	0.47	0.28	-30.16	-18.4	2.6
7,264.0	0.70	200.08	7,241.5	-191.3	347.8	0.81	-0.19	64.06	11.8	15.7
7,455.0	0.18	175.82	7,432.5	-192.7	347.4	0.28	-0.27	-12.70	3.0	18.7
7,645.0	0.18	242.97	7,622.5	-193.1	347.2	0.10	0.00	35.34	18.0	4.8
7,836.0	0.35	264.94	7,813.5	-193.3	346.3	0.10	0.09	11.50	17.6	-2.2
8,027.0	1.23	48.90	8,004.5	-192.0	347.3	0.80	0.46	75.37	-17.1	-8.2
8,217.0	1.06	61.39	8,194.5	-189.8	350.4	0.16	-0.09	6.57	-22.2	-3.9
8,408.0	1.06	91.80	8,385.4	-189.0	353.7	0.29	0.00	15.92	-24.4	8.8
8,599.0	1.23	103.92	8,576.4	-189.6	357.4	0.15	0.09	6.35	-25.8	14.1
8,789.0	1.41	74.92	8,766.3	-189.4	361.7	0.36	0.09	-15.26	-33.5	-1.2
8,980.0	1.06	75.98	8,957.3	-188.4	365.6	0.18	-0.18	0.55	-37.6	-0.5
9,170.0	1.06	211.68	9,147.3	-189.5	366.4	1.03	0.00	71.42	26.1	27.9
9,361.0	0.88	227.32	9,338.3	-192.0	364.4	0.17	-0.09	8.19	29.5	20.3
9,552.0	0.88	256.85	9,529.2	-193.3	361.9	0.23	0.00	15.46	32.9	3.9
9,743.0	1.41	290.08	9,720.2	-192.8	358.3	0.43	0.28	17.40	26.1	-14.0



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#721H	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)	
9,934.0	1.58	244.02	9,911.1	-193.2	353.7	0.62	0.09	-24.12	23.9	7.4	
10,124.0	2.46	200.43	10,101.0	-198.1	349.9	0.90	0.46	-22.94	6.2	20.0	
10,315.0	1.94	203.42	10,291.9	-204.9	347.2	0.28	-0.27	1.57	0.0	19.9	
10,506.0	2.99	268.46	10,482.7	-208.0	340.9	1.46	0.55	34.05	11.6	11.4	
10,697.0	2.64	271.97	10,673.5	-208.0	331.6	0.20	-0.18	1.84	2.9	10.9	
10,887.0	2.29	279.00	10,863.3	-207.3	323.4	0.24	-0.18	3.70	-3.9	11.0	
11,078.0	2.64	306.25	11,054.2	-204.1	316.1	0.63	0.18	14.27	-6.2	13.3	
11,269.0	1.94	302.73	11,245.0	-199.7	309.9	0.37	-0.37	-1.84	-14.6	12.7	
11,459.0	2.46	282.17	11,434.9	-197.1	303.2	0.49	0.27	-10.82	-25.2	5.6	
11,650.0	2.64	275.66	11,625.7	-195.8	294.8	0.18	0.09	-3.41	-34.2	2.2	
11,824.0	2.55	297.02	11,799.5	-193.7	287.4	0.55	-0.05	12.28	-38.6	16.0	
11,965.0	3.25	8.04	11,940.4	-188.3	285.1	2.42	0.50	50.37	-2.5	44.7	
12,060.0	2.99	8.04	12,035.2	-183.2	285.8	0.27	-0.27	0.00	-7.6	44.7	
12,156.0	9.32	7.68	12,130.6	-173.0	287.2	6.59	6.59	-0.37	-18.0	44.7	
12,166.9	10.37	5.81	12,141.3	-171.1	287.4	10.15	9.71	-17.22	-21.2	44.1	
KOP (Dauntless 7 Fed #721H)											
12,251.0	18.73	358.51	12,222.7	-150.1	287.9	10.15	9.93	-8.68	-41.2	40.3	
12,255.8	19.12	359.13	12,227.2	-148.5	287.8	9.07	8.04	12.94	-41.5	40.8	
HL Crossing, MD:12255.8, TVD:12227.2, N/S:-148.5, E/W:287.8, INC:19.12											
12,347.0	26.73	7.56	12,311.2	-113.2	290.3	9.07	8.35	9.24	-46.1	44.4	
12,442.0	39.48	16.44	12,390.7	-62.8	301.7	14.33	13.42	9.35	-49.4	38.9	
12,489.0	46.08	14.68	12,425.1	-32.1	310.2	14.27	14.04	-3.74	-55.1	28.8	
12,536.1	52.97	9.84	12,455.7	2.9	317.8	16.59	14.64	-10.27	-61.1	17.5	
FTP (Dauntless 7 Fed #721H)											
12,537.0	53.11	9.76	12,456.2	3.6	317.9	16.59	14.84	-9.27	-61.2	17.3	
12,584.0	59.53	4.31	12,482.3	42.4	322.6	16.72	13.66	-11.60	-66.4	8.3	
12,632.0	61.11	3.08	12,506.1	84.0	325.3	3.97	3.29	-2.56	-68.5	4.3	



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
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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)
12,679.0	63.05	0.62	12,528.1	125.5	326.6	6.20	4.13	-5.23	-66.5	1.2
12,728.0	69.73	356.05	12,547.7	170.4	325.3	16.09	13.63	-9.33	-62.4	0.9
12,775.0	72.55	356.14	12,562.9	214.7	322.2	6.00	6.00	0.19	-56.9	4.3
12,822.0	74.48	356.05	12,576.2	259.7	319.2	4.11	4.11	-0.19	-48.2	7.6
12,869.0	76.33	356.57	12,588.1	305.1	316.3	4.08	3.94	1.11	-36.9	10.5
12,918.0	77.47	358.68	12,599.2	352.8	314.3	4.80	2.33	4.31	-25.9	12.3
12,965.0	82.57	359.74	12,607.3	399.0	313.6	11.08	10.85	2.26	-18.0	12.6
13,013.0	85.82	359.56	12,612.2	446.8	313.4	6.78	6.77	-0.37	-13.4	12.6
13,060.0	87.23	358.07	12,615.0	493.7	312.4	4.36	3.00	-3.17	-10.7	13.3
13,109.0	90.75	0.79	12,615.9	542.7	311.9	9.08	7.18	5.55	-10.0	13.5
13,204.0	91.45	358.77	12,614.1	637.6	311.5	2.25	0.74	-2.13	-12.2	13.5
13,300.0	92.77	359.12	12,610.5	733.6	309.8	1.42	1.37	0.36	-16.1	14.8
13,395.0	90.13	359.39	12,608.1	828.5	308.5	2.79	-2.78	0.28	-18.8	15.5
13,491.0	89.87	3.87	12,608.1	924.4	311.3	4.67	-0.27	4.67	-19.2	12.3
13,586.0	88.90	5.01	12,609.2	1,019.2	318.6	1.58	-1.02	1.20	-18.5	4.5
13,681.0	88.90	3.34	12,611.0	1,113.9	325.5	1.76	0.00	-1.76	-17.1	-2.8
13,776.0	88.64	2.38	12,613.0	1,208.7	330.3	1.05	-0.27	-1.01	-15.4	-8.0
13,872.0	89.69	359.74	12,614.4	1,304.7	332.0	2.96	1.09	-2.75	-14.3	-10.3
13,967.0	88.64	359.30	12,615.8	1,399.7	331.2	1.20	-1.11	-0.46	-13.3	-9.9
14,062.0	90.31	359.04	12,616.7	1,494.7	329.9	1.78	1.76	-0.27	-12.8	-9.0
14,158.0	89.08	358.68	12,617.2	1,590.6	328.0	1.33	-1.28	-0.37	-12.6	-7.6
14,253.0	92.24	358.51	12,616.1	1,685.6	325.6	3.33	3.33	-0.18	-14.0	-5.7
14,349.0	88.72	354.11	12,615.3	1,781.4	319.5	5.87	-3.67	-4.58	-15.2	0.0
14,444.0	88.55	358.07	12,617.5	1,876.1	313.0	4.17	-0.18	4.17	-13.3	6.1
14,539.0	88.55	359.91	12,620.0	1,971.0	311.3	1.94	0.00	1.94	-11.2	7.3
14,635.0	89.52	2.99	12,621.6	2,067.0	313.7	3.36	1.01	3.21	-10.0	4.4
14,730.0	87.58	1.67	12,624.0	2,161.9	317.6	2.47	-2.04	-1.39	-7.9	0.1



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Dauntless 7 Fed
Well:	#221H
Wellbore:	OH
Design:	OH
Local Co-ordinate Reference:	Well #221H
TVD Reference:	KB = 22' @ 3513.0usft
North Reference:	Gird
Survey Calculation Method:	Minimum Curvature
Database:	EDM 5000.14

Survey	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)
	14,762.3	88.69	0.77	12,625.0	2,194.2	318.3	4.41	3.43	-2.77	-7.0	-0.8
TOT 1 (Dauntless 7 Fed #221H)	14,825.0	90.84	359.04	12,625.3	2,256.8	318.2	4.41	3.43	-2.77	-7.0	-1.0
	15,921.0	90.66	0.71	12,624.0	2,252.8	318.0	1.75	-0.19	1.74	-8.6	-1.2
	15,016.0	89.96	5.89	12,623.5	2,447.6	323.4	5.50	-0.74	5.45	-9.6	-7.1
	15,103.0	90.92	5.72	12,622.8	2,534.2	332.2	1.12	1.10	-0.20	-10.6	-16.4
	15,198.0	89.60	1.06	12,622.4	2,629.0	337.9	5.10	-1.39	-4.91	-11.4	-22.4
	15,293.0	89.78	5.11	12,622.9	2,723.8	343.0	4.27	0.19	4.26	-11.4	-28.0
	15,389.0	87.58	5.63	12,625.1	2,819.4	351.9	2.35	-2.29	0.54	-9.7	-37.4
	15,484.0	89.87	0.27	12,627.3	2,914.2	356.8	6.13	2.41	-5.64	-7.8	-42.8
	15,579.0	91.45	358.87	12,626.2	3,009.2	356.1	2.22	1.66	-1.47	-9.3	-42.5
	15,674.0	90.57	357.37	12,624.5	3,104.1	353.0	1.83	-0.93	-1.58	-11.4	-39.9
	15,770.0	88.29	352.19	12,625.4	3,199.7	344.3	5.89	-2.37	-5.40	-10.8	-31.6
	15,865.0	89.34	352.01	12,627.4	3,293.7	331.2	1.12	1.11	-0.19	-9.3	-19.0
	15,961.0	88.90	352.36	12,628.9	3,388.8	318.2	0.59	-0.46	0.36	-8.2	-6.4
	16,056.0	88.37	355.44	12,631.1	3,483.3	308.1	3.29	-0.56	3.24	-6.3	3.2
	16,151.0	92.33	358.95	12,630.6	3,578.1	303.4	5.57	-4.17	3.69	-7.3	7.4
	16,246.0	90.92	0.01	12,627.9	3,673.1	302.6	1.86	-1.48	1.12	-10.4	7.8
	16,342.0	90.31	358.25	12,626.8	3,769.0	301.1	1.94	-0.64	-1.83	-11.8	8.8
	16,437.0	91.80	359.57	12,625.1	3,864.0	299.3	2.10	1.57	1.39	-14.0	10.2
	16,533.0	91.71	0.10	12,622.1	3,960.0	299.0	0.56	-0.09	0.55	-17.3	10.0
	16,628.0	90.57	1.15	12,620.3	4,054.9	300.1	1.63	-1.20	1.11	-19.6	8.5
	16,724.0	88.64	0.80	12,620.9	4,150.9	301.7	2.04	-2.01	-0.36	-19.4	6.4
	16,819.0	88.37	1.33	12,623.4	4,245.9	303.5	0.63	-0.28	0.56	-17.3	4.2
	16,914.0	89.78	2.03	12,624.9	4,340.8	306.2	1.66	1.48	0.74	-16.2	0.9
	17,010.0	89.16	0.71	12,625.8	4,436.8	308.5	1.52	-0.65	-1.37	-15.7	-1.8
	17,105.0	91.45	1.85	12,625.3	4,531.7	310.7	2.69	2.41	1.20	-16.6	-4.4



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#721H	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)
17,125.0	91.21	2.29	12,624.8	4,551.8	311.4	2.50	-1.19	2.20	-17.1	-5.2
TGT 2 (Dauntless 7 Fed #721H)										
17,201.0	90.31	3.96	12,623.8	4,627.6	315.5	2.50	-1.19	2.20	-18.3	-9.7
17,296.0	88.55	1.33	12,624.8	4,722.5	319.9	3.33	-1.85	-2.77	-17.5	-14.6
17,391.0	86.53	0.27	12,628.9	4,817.4	321.2	2.40	-2.13	-1.12	-13.6	-16.3
17,487.0	85.82	1.24	12,635.3	4,913.2	322.5	1.25	-0.74	1.01	-7.4	-18.1
17,582.0	87.49	0.27	12,640.8	5,008.0	323.7	2.03	1.76	-1.02	-2.0	-19.8
17,677.0	86.70	0.45	12,645.6	5,102.9	324.3	0.85	-0.83	0.19	2.6	-20.8
17,773.0	88.90	357.63	12,649.3	5,198.8	322.7	3.72	2.29	-2.94	6.2	-19.7
17,868.0	92.07	356.31	12,648.5	5,293.6	317.7	3.61	3.34	-1.39	5.2	-15.1
17,964.0	92.59	358.77	12,644.6	5,389.4	313.6	2.62	0.54	2.56	1.1	-11.5
18,059.0	90.48	0.53	12,642.1	5,484.4	313.0	2.89	-2.22	1.85	-1.6	-11.3
18,154.0	90.48	0.88	12,641.3	5,579.4	314.2	0.37	0.00	0.37	-2.6	-13.0
18,250.0	92.24	2.11	12,639.0	5,675.3	316.7	2.24	1.83	1.28	-5.0	-15.9
18,345.0	91.98	1.23	12,635.5	5,770.2	319.5	0.97	-0.27	-0.93	-8.7	-19.2
18,440.0	90.40	1.23	12,633.5	5,865.2	321.5	1.66	-1.66	0.00	-10.8	-21.6
18,536.0	88.81	358.59	12,634.2	5,961.1	321.3	3.21	-1.66	-2.75	-10.3	-22.0
18,631.0	88.29	358.07	12,636.6	6,056.1	318.6	0.77	-0.55	-0.55	-8.1	-19.6
18,726.0	87.93	358.50	12,639.7	6,151.0	315.7	0.59	-0.38	0.45	-5.1	-17.3
18,822.0	87.49	358.07	12,643.5	6,246.9	312.9	0.64	-0.46	-0.45	-1.4	-14.8
18,917.0	88.64	357.54	12,646.8	6,341.7	309.2	1.33	1.21	-0.56	1.6	-11.7
19,013.0	89.34	357.54	12,648.4	6,437.6	305.1	0.73	0.73	0.00	3.1	-8.0
19,108.0	88.64	357.36	12,650.1	6,532.5	300.9	0.76	-0.74	-0.19	4.6	-4.2
19,204.0	88.81	357.36	12,652.3	6,628.4	296.5	0.18	0.18	0.00	6.6	-0.3
19,299.0	89.08	355.16	12,654.0	6,723.2	290.3	2.33	0.28	-2.32	8.2	5.5
19,394.0	91.45	358.68	12,653.6	6,818.0	285.2	4.47	2.49	3.71	7.6	10.1
19,490.0	91.28	359.47	12,651.3	6,914.0	283.6	0.84	-0.18	0.82	5.1	11.2



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#721H	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)
19,585.0	90.66	358.86	12,649.7	7,008.9	282.2	0.92	-0.65	-0.64	3.3	12.1
19,681.0	90.22	358.15	12,648.9	7,104.9	279.7	0.87	-0.46	-0.74	2.4	14.2
19,776.0	88.55	359.03	12,650.0	7,199.9	277.4	1.99	-1.76	0.93	3.3	16.1
19,871.0	89.52	359.73	12,651.6	7,294.8	276.4	1.26	1.02	0.74	4.7	16.6
19,966.0	88.02	359.38	12,653.6	7,389.8	275.6	1.62	-1.58	-0.37	6.6	16.9
20,062.0	88.99	359.82	12,656.1	7,485.8	275.0	1.11	1.01	0.46	8.9	17.1
20,157.0	91.01	0.61	12,656.1	7,580.8	275.3	2.28	2.13	0.83	8.7	16.3
20,252.0	89.96	0.17	12,655.3	7,675.8	276.0	1.20	-1.11	-0.46	7.8	15.2
20,348.0	90.75	359.56	12,654.7	7,771.8	275.7	1.04	0.82	-0.64	7.0	15.0
20,443.0	88.64	358.24	12,655.2	7,866.7	273.9	2.62	-2.22	-1.39	7.3	16.3
20,539.0	92.68	0.52	12,654.1	7,962.7	272.9	4.83	4.21	2.37	6.0	16.9
20,634.0	92.95	0.26	12,649.4	8,057.6	273.5	0.39	0.28	-0.27	1.2	15.8
20,729.0	92.15	359.91	12,645.2	8,152.5	273.7	0.92	-0.84	-0.37	-3.2	15.2
20,825.0	91.80	0.26	12,641.9	8,248.4	273.8	0.52	-0.36	0.36	-6.6	14.6
20,920.0	91.54	0.96	12,639.1	8,343.4	274.8	0.79	-0.27	0.74	-9.6	13.1
21,015.0	90.75	1.23	12,637.2	8,438.3	276.6	0.88	-0.83	0.28	-11.6	10.9
21,110.0	88.64	1.93	12,637.7	8,533.3	279.2	2.34	-2.22	0.74	-11.3	7.8
21,206.0	89.08	3.16	12,639.6	8,629.2	283.5	1.36	0.46	1.28	-9.6	3.1
21,301.0	89.08	2.72	12,641.2	8,724.1	288.4	0.46	0.00	-0.46	-8.2	-2.3
21,396.0	87.67	0.61	12,643.9	8,819.0	291.1	2.67	-1.48	-2.22	-5.7	-5.5
21,492.0	87.58	359.47	12,647.8	8,914.9	291.2	1.19	-0.09	-1.19	-1.9	-6.0
21,587.0	86.53	359.03	12,652.7	9,009.7	290.0	1.20	-1.11	-0.46	2.8	-5.2
21,683.0	88.29	0.61	12,657.1	9,105.6	289.7	2.46	1.83	1.65	7.0	-5.4
21,778.0	88.02	0.97	12,660.1	9,200.6	291.0	0.47	-0.28	0.38	9.9	-7.2
21,873.0	89.96	359.91	12,661.8	9,295.6	291.7	2.33	2.04	-1.12	11.4	-8.3
21,968.0	88.90	359.65	12,662.7	9,390.6	291.3	1.15	-1.12	-0.27	12.2	-8.4
22,064.0	89.43	358.15	12,664.1	9,486.5	289.5	1.66	0.55	-1.56	13.4	-7.0



EOG Resources
Midland Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3513.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 22' @ 3513.0usft
Well:	#721H	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)
22,159.0	90.04	357.80	12,664.6	9,581.5	286.1	0.74	0.64	-0.37	13.7	-4.1
22,254.0	90.04	356.92	12,664.5	9,676.4	281.8	0.93	0.00	-0.93	13.4	-0.2
22,350.0	91.28	356.66	12,663.4	9,772.2	276.4	1.32	1.29	-0.27	12.2	4.7
22,445.0	92.77	357.54	12,660.1	9,867.0	271.6	1.82	1.57	0.93	8.7	9.0
22,540.0	92.59	357.80	12,655.6	9,961.8	267.7	0.33	-0.19	0.27	4.1	12.4
22,636.0	93.21	357.71	12,650.8	10,057.6	264.0	0.65	0.65	-0.09	-1.0	15.7
22,720.0	93.47	357.10	12,645.9	10,141.4	260.2	0.79	0.31	-0.73	-6.0	19.1
Final MWD Survey (MD=22720.0')										
22,780.0	93.47	357.10	12,642.2	10,201.2	257.1	0.00	0.00	0.00	-9.7	21.9
Final Projection to Bit (MD=22780.0') - PBHL (Dauntless 7 Fed #721H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,255.8	12,227.2	-148.5	287.8	HL Crossing, MD:12255.8', TVD:12227.2', N/S:-148.5', E/W:287.8', INC:19.12
22,720.0	12,645.9	10,141.4	260.2	Final MWD Survey (MD=22720.0')
22,780.0	12,642.2	10,201.2	257.1	Final Projection to Bit (MD=22780.0')

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 #721H

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: #721H

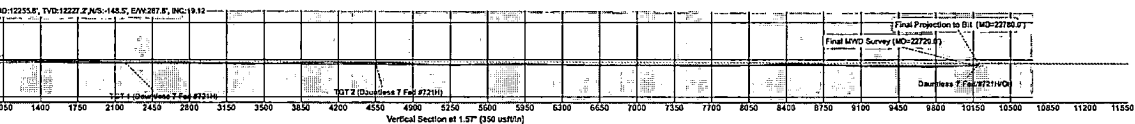
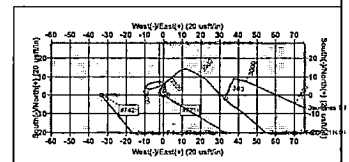
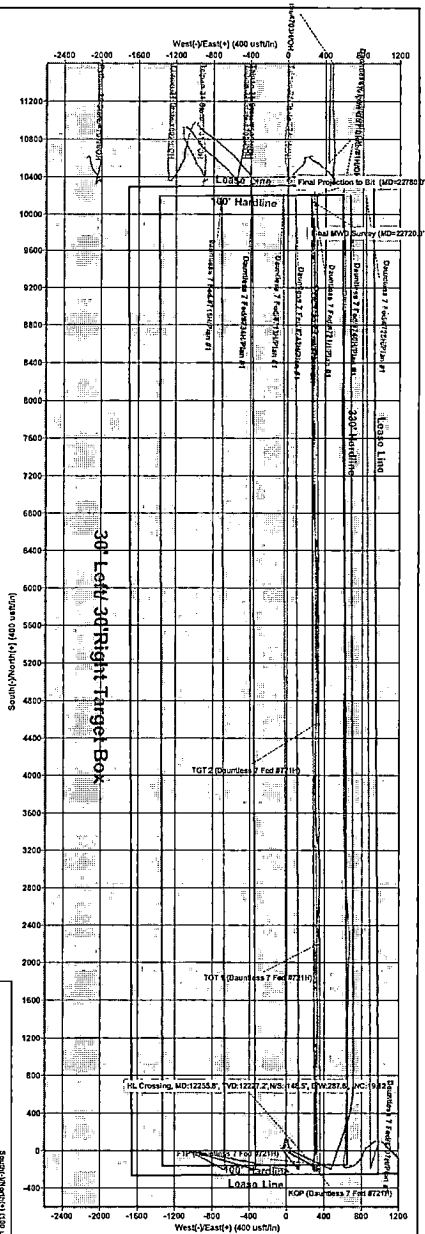
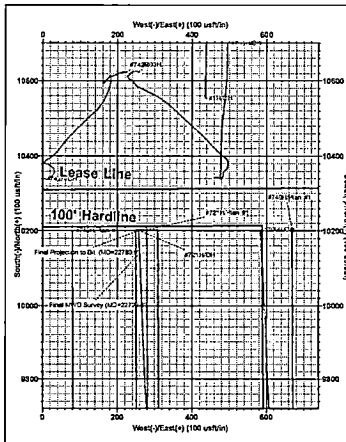
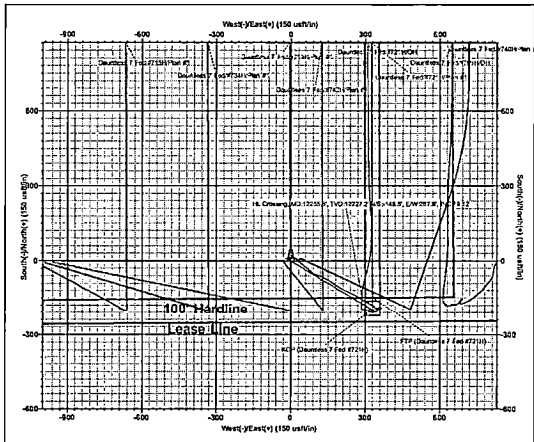
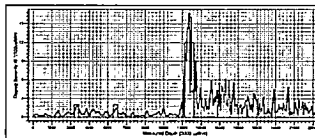
KB = 22' @ 3513.0usft
Northing 414881.00 Easting 763816.00 Longitude 103° 36' 52.387 W

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	3275.0	0.00	0.00	3275.0	0.0	0.0	0.00	0.00	0.0
3	3624.8	7.00	120.91	3624.0	-11.0	18.3	2.00	120.91	-10.5
4	6422.8	7.00	120.91	6401.0	-186.0	310.7	0.00	0.00	-177.5
5	6772.6	0.00	0.00	6750.0	-197.0	329.0	2.00	180.00	-187.9
6	12170.1	0.00	0.00	12147.5	-197.0	329.0	0.00	0.00	-187.9
7	12918.3	89.79	359.72	12625.0	278.7	326.7	12.00	359.72	287.5
8	14833.7	89.79	359.72	12632.0	2194.1	317.5	0.00	0.00	2202.0
9	14835.4	89.76	359.72	12632.0	2195.7	317.5	2.00	180.00	2203.6
10	17192.0	89.76	359.72	12642.0	4552.3	306.2	0.00	0.00	4559.0
11	17199.1	89.90	359.72	12642.0	4559.4	306.1	2.00	0.00	4566.0
12	22842.8	89.90	359.72	12652.0	10203.0	279.0	0.00	0.00	10206.8

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KCP (Dauntless 7 Fed #721H)	12147.5	-197.0	329.0	414881.00	764147.00
FTP (Dauntless 7 Fed #721H)	12625.0	-147.0	329.0	414734.00	764147.00
TGT 1 (Dauntless 7 Fed #721H)	12632.0	2194.1	317.5	417075.10	764135.50
TGT 2 (Dauntless 7 Fed #721H)	12642.0	4552.3	306.2	419433.30	764124.17
PBHL (Dauntless 7 Fed #721H)	12652.0	10203.0	279.0	425084.00	764097.00



Lea County, NM (NAD 83 NME)