

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 30-025-47107	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 #734Y
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3496'

¹⁰Surface Location

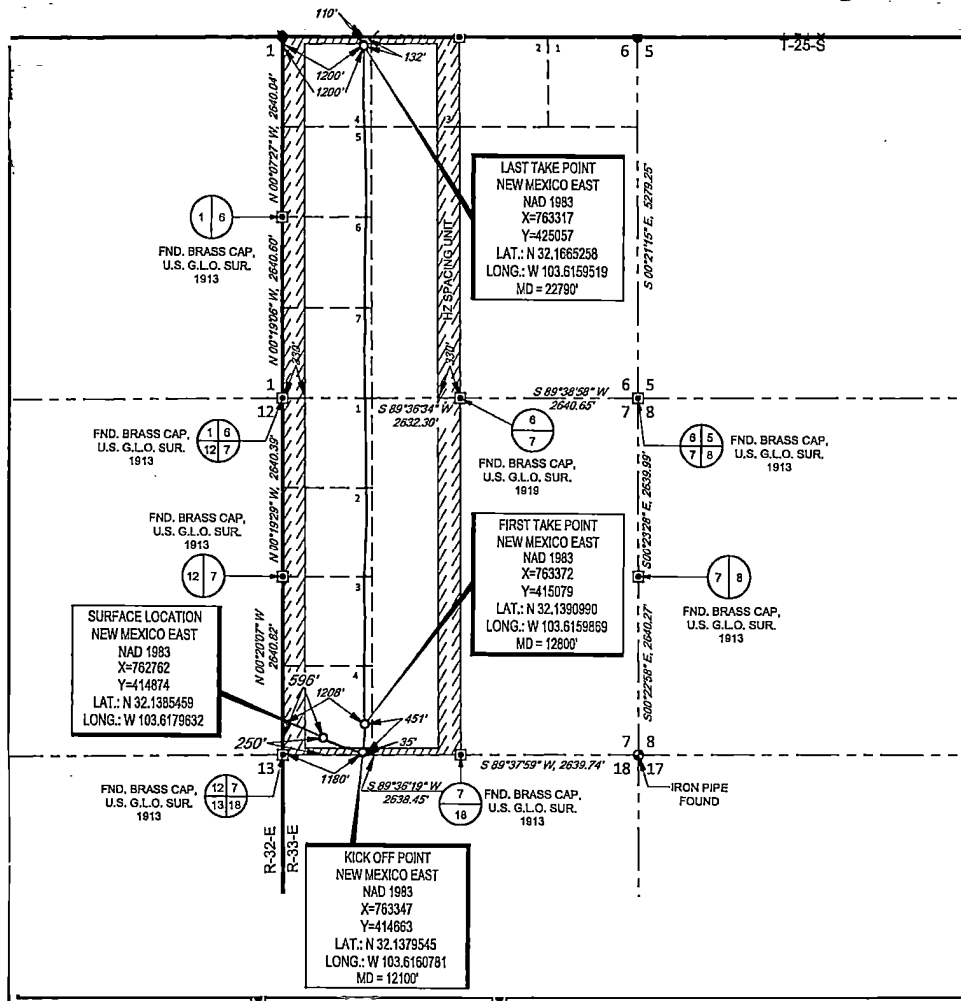
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	7	25-S	33-E	-	250'	SOUTH	596'	WEST	LEA

SL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	6	25-S	33-E	-	110'	NORTH	1200'	WEST	LEA

¹³ Dedicated Acres 640.00	¹⁴ Joint or Infill	¹⁵ Consolidation Code	¹⁶ Order No.
--	-------------------------------	----------------------------------	-------------------------

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

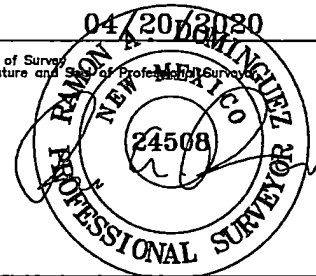
kay_maddox@eogresources.com

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.

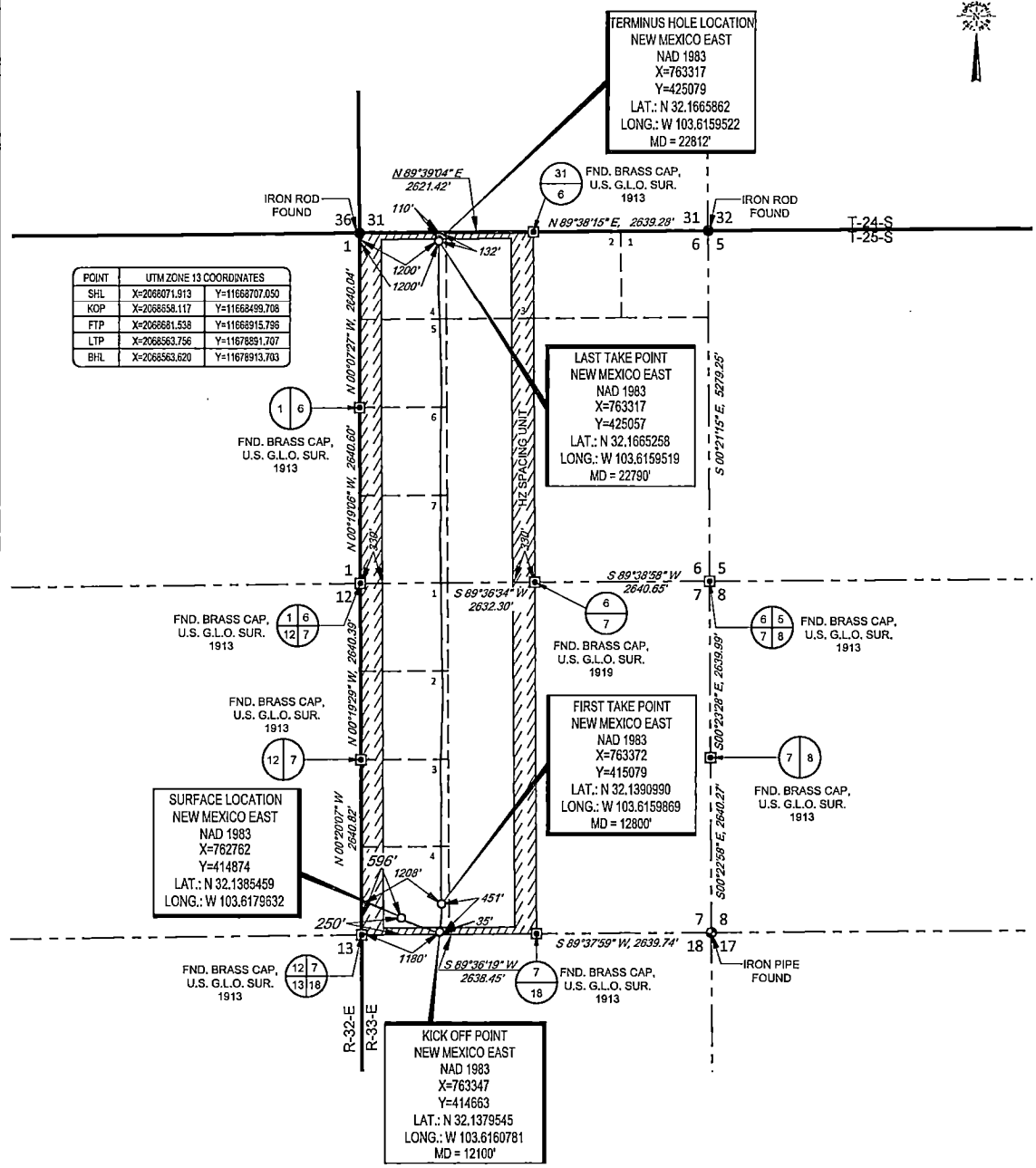
04/20/2020
Date of Survey
Signature and Seal of Professional Surveyor



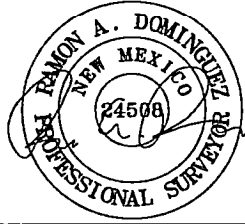
Certificate Number

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

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



LEASE NAME & WELL NO.: DAUNTLESS 7 FED COM 734Y
SECTION 7 TWP 25-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3496'
DESCRIPTION 250' FSL & 596' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554
TEXAS FIRM REGISTRATION NO. 10042504
WWW.TOPOGRAPHIC.COM

eg resources, Inc.

Ramon A. Dominguez, P.S. No. 24508
AUGUST 27, 2020

DAUNTLESS 7 FED COM 734Y AS-COMPLETED	REVISION:
DATE: 08/27/20	
FILE:AD_DAUNTLESS_7_FED_COM_734Y	
DRAWN BY: GJU	
SHEET: 1 OF 1	

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
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 #
30-025-47107Operator Name:
EOG RESOURCES, INCProperty Name:
DAUNTLESS 7 FEDERALWell Number
734Y

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	7	25S	33E		35	SOUTH	1180	WEST	LEA
Latitude					Longitude				NAD
32.1379545					103.6160781				1983

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	7	25S	33E		451	SOUTH	1208	WEST	LEA
Latitude					Longitude				NAD
32.1390990					103.6159869				1983

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	6	25S	33E		132	NORTH	1200	WEST	LEA
Latitude					Longitude				NAD
32.1665258					103.6159519				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

REC'D 10/8/2020 - NMOCD



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dauntless 7 Fed

#734Y

OH

Design: OH

Final PVA

01 July, 2020



EOG Resources
Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #734Y
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3521.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3521.0usft
Well:	#734Y	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	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	#734Y					
Well Position	+N/-S	0.0 usft	Northing:	414,874.00 usft	Latitude:	32° 8' 18.765 N
	+E/-W	0.0 usft	Easting:	762,762.00 usft	Longitude:	103° 37' 4.669 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level:	3,496.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	4/17/2020	6.70	59.85	47,558.86045129

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	3.11

Survey Program	Date	7/1/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
199.0	22,812.0	TrueShot MWD #1 (OH)	EOG MWD+IFR1	MWD + IFR1



EOG Resources
Final PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dauntless 7 Fed
Well: #734Y
Wellbore: OH
Design: OH
Database: EDM 5000.14
Survey Calculation Method: Minimum Curvature
North Reference: Grid
MD Reference: KB = 25' @ 3521.0usft
TVD Reference: KB = 25' @ 3521.0usft
Local Co-ordinate Reference: Well #734Y

Survey											
MD	Inc	Azi (azimuth)	TVD	N/S	EW	Dleg	Build	Turn	High to Plan	Right to Plan	
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(usft)	(usft)	(usft)
199.0	0.18	71.63	199.0	0.1	0.3	0.09	0.09	0.00	0.00	-0.3	0.0
322.0	0.31	311.66	332.0	0.4	0.2	0.32	0.10	-90.20	-0.1	-0.5	0.0
515.0	0.84	136.58	515.0	-0.2	0.8	0.63	0.29	-95.67	-0.7	0.4	0.0
702.0	1.89	160.40	701.9	-4.1	2.8	0.63	0.56	12.74	-4.5	1.0	-0.9
893.0	1.14	178.77	892.9	-9.0	3.9	0.46	-0.39	9.62	-4.4	-0.9	-5.7
1,084.0	1.63	161.10	1,083.8	-13.5	4.8	0.34	0.26	-9.25	-2.4	-4.4	-4.4
1,276.0	0.62	107.57	1,275.8	-16.4	6.6	0.71	-0.53	-27.88	6.4	-5.4	-9.1
1,467.0	5.41	119.61	1,466.5	-21.1	15.5	2.52	2.51	6.30	6.3	-5.4	-9.1
1,658.0	8.04	117.94	1,656.1	-31.8	35.1	1.38	1.38	-0.87	6.8	-12.5	-17.3
1,849.0	8.75	113.20	1,845.1	-43.8	60.3	0.52	0.37	-2.48	7.0	-15.0	-23.0
2,040.0	8.75	112.06	2,033.9	-55.0	87.1	0.09	0.00	-0.60	5.6	-26.1	-35.7
2,231.0	8.18	111.79	2,222.8	-65.5	113.2	0.30	-0.30	-0.14	5.0	-28.9	-37.8
2,422.0	8.31	105.90	2,411.8	-74.3	139.0	0.45	0.07	-3.08	6.9	-32.8	-41.7
2,614.0	8.31	101.33	2,601.8	-80.9	165.0	0.34	0.00	-2.38	8.1	-37.9	-45.8
2,805.0	8.97	118.65	2,790.7	-90.7	192.6	1.40	0.35	9.07	2.2	-42.0	-50.0
2,996.0	9.80	118.21	2,979.1	-105.5	220.0	0.44	0.43	-0.23	1.8	-46.1	-54.1
3,187.0	10.24	117.77	3,167.2	-121.1	249.3	0.23	0.23	-0.23	-7.9	-50.0	-58.0
3,379.0	9.67	105.55	3,358.3	-133.4	280.0	1.14	-0.30	-0.36	-6.9	-54.1	-62.1
3,570.0	9.41	102.56	3,544.7	-141.1	310.7	0.29	-0.14	-1.57	-9.4	-58.0	-66.1
3,761.0	8.04	100.98	3,733.5	-147.0	339.0	0.73	-0.72	-0.83	-10.2	-62.1	-70.1
3,951.0	7.60	98.59	3,921.7	-161.0	364.5	0.39	-0.23	-2.31	-6.8	-66.1	-74.1
4,142.0	7.30	104.94	4,111.1	-165.6	388.8	0.59	-0.16	-4.37	-7.6	-70.1	-78.1
4,333.0	8.84	109.68	4,300.2	-163.7	414.4	0.88	0.81	2.48	-8.6	-74.1	-82.1
4,524.0	8.84	115.04	4,488.9	-174.8	441.5	0.43	0.00	2.81	-12.6	-78.1	-86.1
4,715.0	10.37	122.60	4,677.3	-190.3	469.3	1.04	0.80	3.96	-20.7	-82.1	-90.1
4,906.0	8.18	106.87	4,865.8	-203.5	496.8	1.74	-1.15	-8.24	-15.5	-86.1	-94.1



EOG Resources
Final PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dauntless 7 Fed
Well: #734Y
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #734Y
TVD Reference: KB = 25' @ 3521.0usft
MD Reference: KB = 25' @ 3521.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
5,098.0	7.43	90.79	5,056.0	-207.6	522.2	1.20	-0.39	-8.37	-4.0	-34.6
5,289.0	8.09	80.94	5,245.3	-205.7	547.9	0.78	0.35	-5.16	1.0	-24.7
5,480.0	6.02	71.63	5,434.8	-200.4	570.6	1.23	-1.08	-4.87	3.9	-10.6
5,671.0	6.15	68.20	5,624.8	-193.5	589.7	0.20	0.07	-1.80	-1.7	0.3
5,862.0	4.22	57.39	5,815.0	-185.9	605.1	1.13	-1.01	-5.66	-15.4	2.2
6,052.0	2.64	51.85	6,004.6	-179.4	614.4	0.85	-0.83	-2.92	-26.8	0.0
6,243.0	1.19	47.11	6,195.5	-175.3	619.3	0.76	-0.76	-2.48	-33.1	-2.6
6,435.0	1.23	44.29	6,387.5	-172.5	622.2	0.04	0.02	-1.47	-37.0	-4.3
6,626.0	1.45	31.28	6,578.4	-169.0	624.9	0.20	0.12	-6.81	-39.5	-13.0
6,817.0	1.49	31.37	6,769.4	-164.8	627.4	0.02	0.02	0.05	-44.4	-12.9
7,008.0	1.19	21.88	6,960.3	-160.8	629.5	0.19	-0.16	-4.97	-46.1	-20.5
7,199.0	1.19	34.27	7,151.3	-157.3	631.3	0.13	0.00	6.49	-53.4	-9.7
7,391.0	0.88	30.93	7,343.2	-154.4	633.2	0.16	-0.16	-1.74	-56.2	-12.9
7,582.0	0.92	11.42	7,534.2	-151.7	634.3	0.16	0.02	-10.21	-51.6	-31.4
7,773.0	0.40	102.74	7,725.2	-150.3	635.2	0.53	-0.27	47.81	-30.8	53.8
7,964.0	0.66	136.84	7,916.2	-151.3	636.6	0.21	0.14	17.85	3.0	62.2
8,156.0	0.62	179.56	8,108.2	-153.1	637.4	0.24	-0.02	22.25	42.5	44.4
8,347.0	0.97	188.43	8,299.2	-155.7	637.2	0.19	0.18	4.64	46.2	37.5
8,538.0	1.32	182.81	8,490.1	-159.5	636.8	0.19	0.18	-2.94	38.5	41.7
8,726.0	1.49	185.01	8,678.1	-164.1	636.5	0.09	0.09	1.17	35.5	40.3
8,917.0	1.36	199.86	8,869.0	-168.7	635.5	0.20	-0.07	7.77	40.0	30.5
9,108.0	1.19	210.58	9,060.0	-172.6	633.7	0.15	-0.09	5.61	40.7	22.9
9,299.0	1.01	252.68	9,250.9	-174.8	631.1	0.42	-0.09	22.04	42.4	-9.0
9,491.0	1.89	261.91	9,442.9	-175.7	626.4	0.47	0.46	4.81	35.6	-15.4
9,682.0	2.59	273.69	9,633.7	-175.9	618.9	0.44	0.37	6.17	24.3	-21.7
9,873.0	2.46	294.52	9,824.5	-173.9	610.9	0.48	-0.07	10.91	6.9	-27.4
10,064.0	1.80	261.91	10,015.4	-172.7	604.2	0.71	-0.35	-17.07	14.1	-21.6



EOG Resources
Final PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dauntless 7 Fed
Well: #734Y
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #734Y
TVD Reference: KB = 25' @ 3521.0usft
MD Reference: KB = 25' @ 3521.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
10,255.0	1.67	287.49	10,206.3	-172.2	598.6	0.41	-0.07	13.39	-2.1	-24.3
10,446.0	1.71	288.54	10,397.2	-170.5	593.2	0.03	0.02	0.55	-8.2	-24.2
10,638.0	2.90	218.32	10,589.1	-173.4	587.5	1.47	0.62	-36.57	14.1	-18.6
10,829.0	1.23	148.88	10,780.0	-178.9	585.6	1.43	-0.87	-36.36	18.6	2.2
11,020.0	1.93	164.61	10,970.9	-183.8	587.5	0.43	0.37	8.24	13.3	-2.4
11,211.0	3.30	167.87	11,161.7	-192.3	589.5	0.72	0.72	1.71	4.4	-3.0
11,403.0	0.62	181.84	11,353.6	-198.7	590.6	1.41	-1.40	7.28	-2.8	-2.6
11,594.0	1.14	209.61	11,544.6	-201.4	589.6	0.34	0.27	14.64	-6.5	-0.5
11,755.0	2.37	201.88	11,705.5	-205.9	587.6	0.78	0.76	-4.80	-11.3	-1.6
11,903.0	0.92	187.29	11,853.4	-209.9	586.3	1.01	-0.98	-9.86	-14.7	-5.2
12,090.0	0.75	248.99	12,040.4	-211.8	585.0	0.46	-0.09	32.99	-13.4	11.8
12,152.8	6.73	1.53	12,103.1	-208.3	584.7	11.22	9.52	179.15	12.5	8.3
KOP (DL 7 Fed #734Y)										
12,185.0	10.33	3.51	12,134.9	-203.5	584.9	11.22	11.19	6.16	9.0	7.9
12,281.0	29.32	5.18	12,224.8	-171.2	587.6	19.79	19.78	1.74	-9.4	7.5
12,329.5	32.10	6.53	12,266.5	-146.6	590.1	5.90	5.72	2.78	-21.5	7.2
HL Crossing, MD:12329.5', TVD:12266.5', N/S:-146.6', E/W:590.1', INC:32.10										
12,376.0	34.77	7.64	12,305.3	-121.2	593.3	5.90	5.75	2.39	-31.3	6.3
12,472.0	44.26	7.99	12,379.3	-60.7	601.6	9.89	9.89	0.36	-48.3	2.2
12,568.0	51.56	3.51	12,443.6	10.1	608.6	8.35	7.60	-4.67	-60.5	-4.2
FTP (DL 7 Fed #734Y)										
12,664.0	51.47	0.84	12,503.4	85.2	611.4	2.18	-0.09	-2.78	-59.4	-4.8
12,759.0	64.53	359.61	12,553.6	165.6	611.7	13.79	13.75	-1.29	-50.1	-0.7
12,855.0	76.09	356.71	12,585.9	255.7	608.7	12.37	12.04	-3.02	-42.5	7.2
12,950.0	79.60	358.29	12,605.9	348.5	604.7	4.04	3.69	1.66	-29.1	16.9
13,046.0	88.40	359.17	12,615.9	443.8	602.6	9.21	9.17	0.92	-19.6	21.8
13,142.0	90.33	359.34	12,617.0	539.8	601.3	2.02	2.01	0.18	-19.1	23.0



EOG Resources
Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #734Y
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3521.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3521.0usft
Well:	#734Y	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)
13,237.0	91.12	1.81	12,615.8	634.8	602.3	2.73	0.83	2.60	-20.8	21.6
13,333.0	86.90	358.90	12,617.4	730.8	602.9	5.34	-4.40	-3.03	-19.6	20.5
13,428.0	89.76	359.61	12,620.2	825.7	601.6	3.10	3.01	0.75	-17.3	21.3
13,524.0	91.78	359.52	12,618.9	921.7	600.9	2.11	2.10	-0.09	-19.1	21.5
13,619.0	90.99	358.82	12,616.6	1,016.6	599.5	1.11	-0.83	-0.74	-21.9	22.4
13,715.0	88.40	1.10	12,617.1	1,112.6	599.5	3.59	-2.70	2.37	-21.9	22.0
13,811.0	89.36	1.10	12,619.0	1,208.6	601.3	1.00	1.00	0.00	-20.5	19.7
13,906.0	90.86	0.57	12,618.8	1,303.6	602.7	1.67	1.58	-0.56	-21.2	17.8
14,002.0	86.68	0.31	12,620.9	1,399.5	603.4	4.36	-4.35	-0.27	-19.6	16.6
14,098.0	86.24	0.14	12,626.8	1,495.3	603.8	0.49	-0.46	-0.18	-14.1	15.8
14,193.0	92.44	0.57	12,627.9	1,590.3	604.4	6.54	6.53	0.45	-13.6	14.7
14,289.0	93.23	1.01	12,623.2	1,686.2	605.7	0.94	0.82	0.46	-18.8	12.9
14,384.0	92.09	359.26	12,618.7	1,781.1	605.9	2.20	-1.20	-1.84	-23.7	12.2
14,480.0	89.67	358.73	12,617.3	1,877.0	604.3	2.58	-2.52	-0.55	-25.7	13.4
14,576.0	88.48	354.16	12,618.8	1,972.8	598.3	4.92	-1.24	-4.76	-24.7	18.8
14,671.0	90.15	357.50	12,620.0	2,067.5	591.4	3.93	1.76	3.52	-24.0	25.3
14,767.0	92.40	1.63	12,617.8	2,163.5	590.7	4.90	2.34	4.30	-26.6	25.5
14,862.0	89.27	359.43	12,616.4	2,258.4	591.5	4.03	-3.29	-2.32	-28.5	24.2
14,921.0	91.96	0.05	12,615.8	2,317.4	591.3	4.68	4.56	1.05	-29.4	24.1
15,016.0	90.02	2.60	12,614.2	2,412.4	593.5	3.37	-2.04	2.68	-31.6	21.4
15,074.4	89.14	3.35	12,614.6	2,470.7	596.5	1.98	-1.51	1.28	-31.4	18.1
TGT 1 (DL 7 Fed #734Y)										
15,112.0	88.57	3.83	12,615.3	2,508.2	598.9	1.98	-1.51	1.28	-30.8	15.6
15,207.0	85.49	1.72	12,620.3	2,603.0	603.5	3.93	-3.24	-2.22	-26.2	10.5
15,303.0	86.77	1.19	12,626.7	2,698.7	605.9	1.44	1.33	-0.55	-20.1	7.6
15,399.0	87.47	1.37	12,631.6	2,794.6	608.0	0.75	0.73	0.19	-15.6	5.0
15,494.0	88.31	1.54	12,635.1	2,889.5	610.4	0.90	0.88	0.18	-12.4	2.1



EOG Resources
Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #734Y
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3521.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3521.0usft
Well:	#734Y	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)
15,590.0	88.48	2.42	12,637.8	2,985.4	613.8	0.93	0.18	0.92	-10.1	-1.8
15,685.0	88.57	2.51	12,640.2	3,080.2	617.8	0.13	0.09	0.09	-8.0	-6.3
15,781.0	88.70	1.54	12,642.5	3,176.2	621.2	1.02	0.14	-1.01	-6.1	-10.2
15,876.0	92.04	2.86	12,641.9	3,271.1	624.9	3.78	3.52	1.39	-7.0	-14.3
15,922.0	90.24	358.82	12,641.0	3,317.0	625.5	9.61	-3.91	-8.78	-8.1	-15.2
16,068.0	92.84	359.61	12,637.0	3,463.0	623.5	1.86	1.78	0.54	-12.5	-14.0
16,163.0	92.44	358.82	12,632.7	3,557.9	622.2	0.93	-0.42	-0.83	-17.2	-13.2
16,259.0	89.76	367.32	12,630.8	3,653.8	619.0	3.20	-2.79	-1.56	-19.4	-10.4
16,355.0	88.62	357.67	12,632.2	3,749.7	614.8	1.24	-1.19	0.36	-18.4	-6.7
16,450.0	90.51	358.99	12,632.9	3,844.6	612.0	2.43	1.99	1.39	-18.0	-4.5
16,546.0	89.63	358.82	12,632.8	3,940.6	610.2	0.93	-0.92	-0.18	-18.5	-3.1
16,642.0	90.77	359.52	12,632.4	4,036.6	608.8	1.39	1.19	0.73	-19.2	-2.2
16,737.0	90.59	0.22	12,631.3	4,131.6	608.6	0.76	-0.19	0.74	-20.7	-2.5
16,833.0	88.44	358.64	12,632.1	4,227.6	607.7	2.78	-2.24	-1.65	-20.2	-2.0
16,929.0	90.73	359.87	12,632.8	4,323.5	606.4	2.71	2.39	1.28	-19.8	-1.3
17,024.0	88.04	358.90	12,633.8	4,418.5	605.4	3.01	-2.83	-1.02	-19.2	-0.7
17,120.0	88.18	358.90	12,637.0	4,514.5	603.5	0.15	0.15	0.00	-16.3	0.6
17,216.0	88.40	357.67	12,639.9	4,610.4	600.7	1.30	0.23	-1.28	-13.8	3.0
17,311.0	91.12	358.20	12,640.3	4,705.3	597.3	2.92	2.86	0.56	-13.8	5.9
17,407.0	90.29	359.26	12,639.1	4,801.3	595.1	1.40	-0.86	1.10	-15.3	7.6
17,502.0	89.41	359.26	12,639.3	4,896.3	593.9	0.93	-0.93	0.00	-15.4	8.3
17,579.8	89.65	359.40	12,640.0	4,974.0	593.0	0.36	0.31	0.18	-15.0	8.8
TGT 2 (DL 7 Fed #734Y)										
17,598.0	89.71	359.43	12,640.1	4,992.2	592.8	0.36	0.31	0.18	-15.0	8.9
17,694.0	90.51	0.13	12,639.9	5,088.2	592.4	1.11	0.83	0.73	-15.4	8.8
17,789.0	90.59	359.96	12,639.0	5,183.2	592.5	0.20	0.08	-0.18	-16.5	8.2
17,885.0	90.33	0.04	12,638.2	5,279.2	592.5	0.28	-0.27	0.08	-17.6	7.7



EOG Resources
Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #734Y
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3521.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3521.0usft
Well:	#734Y	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)
17,980.0	87.38	357.32	12,640.1	5,374.2	590.3	4.22	-3.11	-2.86	-15.9	9.4
18,076.0	87.56	357.76	12,644.3	5,470.0	586.2	0.49	0.19	0.46	-11.9	13.1
18,172.0	87.96	358.20	12,648.1	5,565.9	582.8	0.62	0.42	0.46	-8.4	15.9
18,267.0	88.44	358.73	12,651.1	5,660.8	580.3	0.75	0.51	0.56	-5.6	18.0
18,363.0	88.62	0.04	12,653.5	5,756.7	579.2	1.38	0.19	1.36	-3.4	18.5
18,459.0	91.43	2.77	12,653.5	5,852.7	581.6	4.08	2.93	2.84	-3.7	15.7
18,554.0	91.60	5.87	12,651.0	5,947.4	588.6	3.06	0.18	3.05	-6.5	8.2
18,650.0	90.15	359.69	12,649.5	6,043.2	593.1	6.41	-1.51	-6.23	-8.1	3.3
18,745.0	88.04	357.76	12,651.0	6,138.2	591.0	3.01	-2.22	-2.03	-6.9	4.9
18,841.0	91.03	359.34	12,651.8	6,234.1	588.5	3.52	3.11	1.65	-6.3	6.8
18,936.0	91.47	359.69	12,649.7	6,329.1	587.7	0.59	0.46	0.37	-8.6	7.1
19,032.0	90.90	359.78	12,647.7	6,425.1	587.3	0.60	-0.59	0.09	-10.9	7.1
19,128.0	90.68	359.52	12,646.4	6,521.1	586.7	0.35	-0.23	-0.27	-12.4	7.2
19,223.0	90.77	359.34	12,645.2	6,616.1	585.8	0.21	0.09	-0.19	-13.9	7.6
19,319.0	90.77	359.16	12,643.9	6,712.0	584.5	0.19	0.00	-0.19	-15.4	8.4
19,414.0	90.55	358.81	12,642.8	6,807.0	582.8	0.44	-0.23	-0.37	-16.7	9.6
19,510.0	89.14	358.90	12,643.1	6,903.0	580.9	1.47	-1.47	0.09	-16.7	11.0
19,585.2	87.92	359.87	12,645.0	6,978.1	580.1	2.07	-1.62	1.29	-15.0	11.5
TGT 3 (DL 7 Fed #734Y)										
19,605.0	87.60	0.13	12,645.8	6,998.0	580.1	2.07	-1.62	1.30	-14.2	11.4
19,701.0	88.84	1.54	12,648.8	7,093.9	581.5	1.96	1.29	1.47	-10.9	9.5
19,796.0	89.85	2.24	12,649.9	7,188.8	584.6	1.29	1.06	0.74	-9.4	5.8
19,892.0	89.63	1.27	12,650.3	7,284.8	587.6	1.04	-0.23	-1.01	-8.7	2.4
19,988.0	89.45	1.01	12,651.1	7,380.8	589.5	0.33	-0.19	-0.27	-7.6	0.0
20,083.0	88.35	0.75	12,652.9	7,475.7	590.9	1.19	-1.16	-0.27	-5.4	-1.9
20,179.0	89.98	1.54	12,654.3	7,571.7	592.8	1.89	1.70	0.82	-3.7	-4.4
20,274.0	92.00	1.98	12,652.7	7,666.6	595.8	2.18	2.13	0.46	-5.0	-7.8



EOG Resources
Final PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dauntless 7 Fed
Well: #734Y
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #734Y
TVD Reference: KB = 25' @ 3521.0usft
MD Reference: KB = 25' @ 3521.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
20,370.0	91.69	1.10	12,649.6	7,762.5	598.3	0.97	-0.32	-0.92	-7.7	-10.8
20,465.0	87.74	359.08	12,650.0	7,857.5	598.5	4.67	-4.16	-2.13	-6.9	-11.5
20,561.0	88.35	0.04	12,653.3	7,953.5	597.8	1.18	0.64	1.00	-3.3	-11.2
20,656.0	87.52	359.52	12,656.7	8,048.4	597.4	1.03	-0.87	-0.55	0.4	-11.3
20,752.0	90.95	358.99	12,658.0	8,144.4	596.1	3.62	3.57	-0.55	2.1	-10.6
20,847.0	89.19	358.81	12,657.9	8,239.3	594.3	1.86	-1.85	-0.19	2.3	-9.2
20,943.0	90.77	357.67	12,657.9	8,335.3	591.4	2.03	1.65	-1.19	2.7	-6.8
21,039.0	88.75	355.56	12,658.3	8,431.1	585.7	3.04	-2.10	-2.20	3.4	-1.6
21,134.0	93.54	358.81	12,658.4	8,525.9	581.0	6.09	5.04	3.42	1.8	2.6
21,230.0	91.69	359.25	12,652.1	8,621.8	579.4	1.98	-1.93	0.46	-2.2	3.7
21,326.0	89.45	358.02	12,651.1	8,717.8	577.1	2.66	-2.33	-1.28	-2.8	5.5
21,421.0	90.33	358.29	12,651.3	8,812.7	574.1	0.97	0.93	0.28	-2.3	8.1
21,517.0	90.64	358.73	12,650.5	8,908.7	571.6	0.56	0.32	0.46	-2.8	10.1
21,589.4	90.20	357.68	12,649.9	8,981.1	569.3	1.58	-0.60	-1.46	-3.1	12.0
TGT 4 (DL 7 Fed #734Y)										
21,620.0	90.02	357.23	12,649.9	9,011.6	567.9	1.58	-0.60	-1.46	-2.9	13.2
21,715.0	91.34	358.20	12,648.8	9,106.5	564.2	1.72	1.39	1.02	-3.4	16.5
21,811.0	90.02	356.88	12,647.6	9,202.4	560.0	1.94	-1.37	-1.37	-4.0	20.1
21,908.0	91.25	357.58	12,646.6	9,297.3	555.4	1.49	1.29	0.74	-4.4	24.2
22,002.0	89.71	358.80	12,645.8	9,393.3	552.4	2.05	-1.60	1.27	-4.6	26.7
22,098.0	90.42	359.96	12,645.6	9,489.3	551.4	1.42	0.74	1.21	-4.0	27.3
22,193.0	87.74	359.78	12,647.2	9,584.2	551.2	2.83	-2.82	-0.19	-1.9	27.0
22,289.0	90.37	1.71	12,648.8	9,680.2	552.4	3.40	2.74	2.01	0.3	25.3
22,384.0	90.59	1.10	12,648.0	9,775.2	554.7	0.68	0.23	-0.64	0.1	22.5
22,480.0	91.60	0.92	12,646.1	9,871.1	556.4	1.07	1.05	-0.19	-1.1	20.3
22,576.0	92.00	359.52	12,643.1	9,967.1	556.8	1.52	0.42	-1.46	-3.4	19.4
22,671.0	93.32	359.52	12,638.7	10,062.0	556.0	1.39	1.39	0.00	-7.2	19.7



EOG Resources
Final PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #734Y
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3521.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3521.0usft
Well:	#734Y	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)
22,762.0	93.67	359.34	12,633.2	10,152.8	555.1	0.43	0.38	-0.20	-12.2	20.2
Final MWD Survey (MD=22762.0)										
22,812.0	93.67	359.34	12,630.0	10,202.7	554.5	0.00	0.00	0.00	-15.0	20.5
Final Projection to Bit (MD=22812.0) - PBHL (DL 7 Fed #734Y)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,329.5	12,266.5	-146.6	590.1	HL Crossing, MD:12329.5', TVD:12266.5', N/S:-146.6', E/W:590.1', INC:32.10
22,762.0	12,633.2	10,152.8	555.1	Final MWD Survey (MD=22762.0')
22,812.0	12,630.0	10,202.7	554.5	Final Projection to Bit (MD=22812.0')

Checked By: _____ Approved By: _____ Date: _____

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

Kay Maddox 10/1/2020
Signed Date



Lea County, NM (NAD 83 NME)

Dauntless 7 Fed #734Y

Plan #2

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

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #734Y

KB = 25' @ 3521.0usft 3496.0
Northing 414874.00 Easting 762762.00 Latitude 32° 8' 18.765 N Longitude 103° 37' 4.669 W

Azimuths to Grid North
True North: -0.38°
Magnetic North: 0.32°
Magnetic Field
Strength: 47558.9nT
Dip Angle: 59.85°
Date: 4/17/2020
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 0.32°
To convert a Magnetic Direction to a True Direction, Add 0.70° 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	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	655.0	0.00	0.00	655.0	0.0	0.0	0.00	0.00	0.0	
3	755.0	2.00	135.00	755.0	-1.2	1.2	2.00	135.00	-1.2	
4	1300.4	2.00	135.00	1300.0	-14.7	14.7	0.00	0.00	-13.8	
5	1629.6	8.29	107.14	1627.8	-25.8	41.5	2.00	-35.96	-23.4	
6	5428.5	8.29	107.14	5387.1	-187.2	564.7	0.00	0.00	-155.1	
7	5842.9	0.00	0.00	5800.0	-196.0	593.3	2.00	180.00	-162.3	
8	12144.9	0.00	0.00	12102.0	-196.0	593.3	0.00	0.00	-162.3	
9	12979.4	89.71	2.97	12635.0	333.6	620.8	10.75	2.97	368.0	
10	13142.4	89.70	359.71	12635.8	496.4	624.6	2.00	-90.11	530.8	
11	15115.3	89.70	359.71	12646.0	2469.3	614.6	0.00	0.00	2500.0	TGT 1 (DL 7 Fed #734Y)
12	15119.8	89.79	359.71	12646.0	2473.8	614.6	2.00	-3.03	2504.5	
13	17620.0	89.79	359.71	12655.0	4974.0	601.8	0.00	0.00	5000.0	TGT 2 (DL 7 Fed #734Y)
14	17623.2	89.86	359.71	12655.0	4977.1	601.8	2.00	0.00	5003.1	
15	19823.9	89.86	359.71	12660.0	6977.8	591.5	0.00	0.00	7000.0	TGT 3 (DL 7 Fed #734Y)
16	19641.1	90.20	359.71	12660.0	6995.0	591.4	2.00	0.00	7017.2	
17	21627.6	90.20	359.71	12653.0	8981.5	581.3	0.00	0.00	9008.6	TGT 4 (DL 7 Fed #734Y)
18	21636.3	90.38	359.71	12653.0	8990.2	581.2	2.00	0.00	9008.6	
19	22851.1	90.38	359.71	12645.0	10205.0	575.0	0.00	0.00	10221.2	PBHL (DL 7 Fed #734Y)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (DL 7 Fed #734Y)	12102.0	-196.0	593.3	414678.00	763355.30
FTP (DL 7 Fed #734Y)	12635.0	-148.0	625.0	414728.00	763347.00
PBHL (DL 7 Fed #734Y)	12646.0	10205.0	575.0	426078.00	763337.00
TGT 1 (DL 7 Fed #734Y)	12646.0	2469.3	614.6	417343.30	763376.64
TGT 2 (DL 7 Fed #734Y)	12653.0	4974.0	601.8	426558.50	763343.27
TGT 3 (DL 7 Fed #734Y)	12653.0	6977.8	591.5	419940.00	763353.51
TGT 4 (DL 7 Fed #734Y)	12660.0	8977.8	591.5	421851.80	763353.54

