

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS
DEC 10 2019
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMNM122619	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator EOG RESOURCES, INC		7. Unit or CA Agreement Name and No.	
Contact: KAY MADDOX E-Mail: KAY_MADDOX@EOGRESOURCES.COM		8. Lease Name and Well No. DAUNTLESS 7 FEDERAL 722H	
3. Address PO BOX 2267 MIDLAND, TX 79702		9. API Well No. 30-025-45591	
3a. Phone No. (include area code) Ph: 432-686-3658		10. Field and Pool, or Exploratory WC025 G09 S253309P;UPR WC	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 250FSL 583FEL 32.138544 N Lat, 103.604721 W Lon Sec 7 T25S R33E Mer NMP At top prod interval reported below SESE 547FSL 632FEL 32.139361 N Lat, 103.604878 W Lon Sec 6 T25S R33E Mer NMP At total depth NENE 110FNL 657FEL 32.166582 N Lat, 103.604949 W Lon		11. Sec., T., R., M., or Block and Survey or Area Sec 7 T25S R33E Mer NMP	
14. Date Spudded 04/19/2019		15. Date T.D. Reached 05/22/2019	
16. Date Completed ☐ D & A ☒ Ready to Prod. 11/01/2019		17. Elevations (DF, KB, RT, GL)* 3474 GL	
18. Total Depth: MD 22719 TVD 12622		19. Plug Back T.D.: MD 22719 TVD 12622	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each)	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5		1178		1030		0	
12.250	9.625 J55	40.0		4878		1420		1100	
8.750	7.625 ICYP110	29.7		11777		419		3900	
6.750	5.500 ICYP110	20.0		22702		1054		3540	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12804	22719	12804 TO 22719	3.250	2106	OPEN
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
12804 TO 22719	26,285,786 LBS PROPPANT, 573,219 BBLS LOAD FLUID
12117 TO 13051	CMT PLUG #1 W/235 SXS CL H CMT
11450 TO 12117	CMT PLUG #2 W/215 SXS CL H CMT, KO PT 11,952

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/01/2019	11/06/2019	24	→	3489.0	9058.0	8817.0	45.0		FLOW FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	SI	2665.0	→				2596	ACCEPTED FOR RECORD	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #492215 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Reclamation due: 05/01/2019

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	1171		BARREN	RUSTLER	1171
T/SALT	1498		BARREN	T/SALT	1498
B/SALT	4909		BARREN	B/SALT	4909
BRUSHY CANYON	7641		OIL & GAS	BRUSHY CANYON	7641
1ST BONE SPRING SAND	10123		OIL & GAS	1ST BONE SPRING SAND	10123
2ND BONE SPRING SAND	10693		OIL & GAS	2ND BONE SPRING SAND	10693
3RD BONE SPRING SAND	11868		OIL & GAS	3RD BONE SPRING SAND	11868
WOLFCAMP	12327		OIL & GAS	WOLFCAMP	12327

32. Additional remarks (include plugging procedure):
PLEASE REFERENCE ATTACHMENTS

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #492215 Verified by the BLM Well Information System.

For EOG RESOURCES, INC, sent to the Hobbs

Committed to AFMSS for processing by JENNIFER SANCHEZ on 11/14/2019 ()

Name (please print) KAY MADDOX

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 11/13/2019

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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 30-025-45591		² Pool Code 98180		³ Pool Name WC025 G09 S253309P; UPPER WOLFCAMP	
⁴ Property Code 324978		⁵ Property Name DAUNTLESS 7 FED			⁶ Well Number 722H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3474'

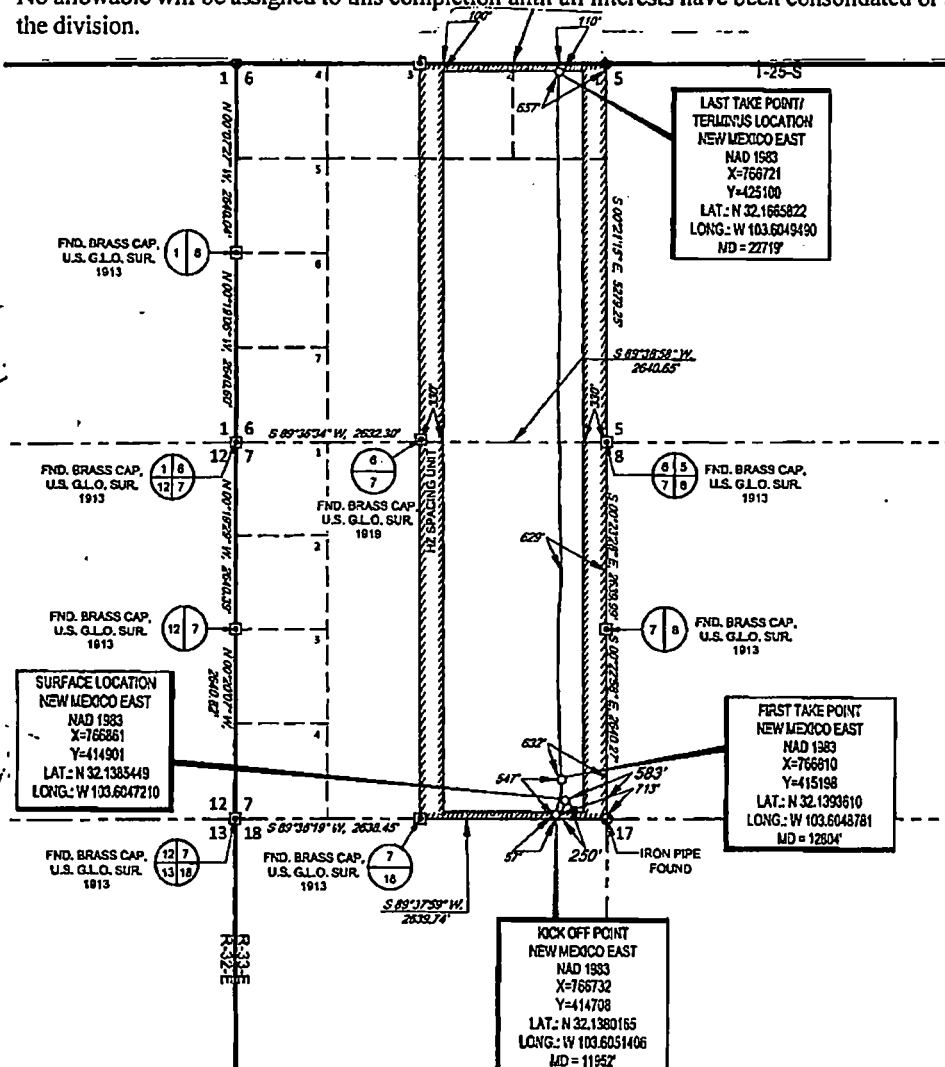
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	7	25-S	33-E	-	250'	SOUTH	583'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	6	25-S	33-E	-	110'	NORTH	657'	EAST	LEA

¹¹ Dedicated Acres 640.00	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ 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
Signature

11/04/2019
Date

KAY MADDOX
Printed Name

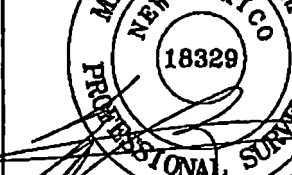
E-mail Address

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.

12/19/2017
Date of Survey

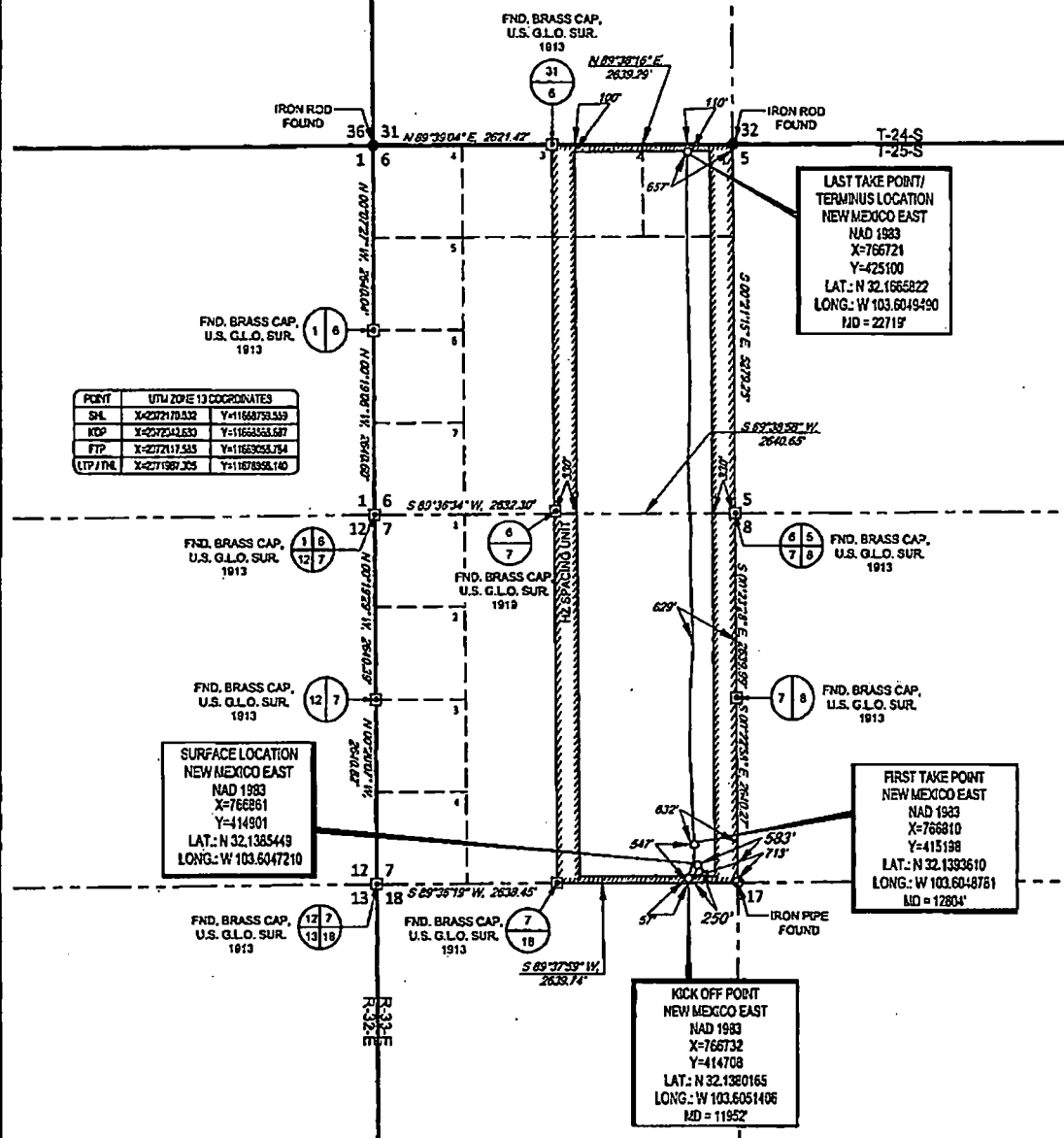
Signature of Professional Surveyor



Certificate Number

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

SECTIONS 6 & 7, TOWNSHIP 25-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



POINT	UTM ZONE 13 COORDINATES
SHL	X=4227170.532 Y=11660793.549
NDP	X=4227214.633 Y=11660555.587
FTP	X=42272117.545 Y=11660355.794
LTP/INL	X=42271987.325 Y=11670355.140

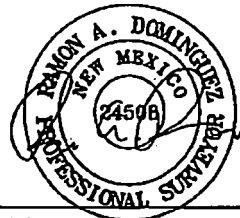
**SURFACE LOCATION
NEW MEXICO EAST**
NAD 1983
X=766861
Y=414901
LAT.: N 32.1385449
LONG.: W 103.6047210

**FIRST TAKE POINT
NEW MEXICO EAST**
NAD 1983
X=766810
Y=415198
LAT.: N 32.1333610
LONG.: W 103.6048761
MD = 12804

**KICK OFF POINT
NEW MEXICO EAST**
NAD 1983
X=766732
Y=414708
LAT.: N 32.1320165
LONG.: W 103.6051406
MD = 11952

LEASE NAME & WELL NO.: DAUNTLESS 7 FED #722H
SECTION 7 TWP 25-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3475'
DESCRIPTION 250' FSL & 583' FEL

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7612 • FAX: (817) 744-7554
TEXAS FIRM REGISTRATION NO. 10042504
WWW.TOPOGRAPHIC.COM



Ramon A. Dominguez, P.S. No. 24508
OCTOBER 17, 2019

Geog resources, Inc.

DAUNTLESS 7 FED #722H AS-COMplete	REVISION:
DATE: 10/17/2019	
FILE: AD_DAUNTLESS_7_FED_722H	
DRAWN BY: H.B.	
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 GEO 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.



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dauntless 7 Fed

#722H

OH

Design: OH

Midland PVA

22 May, 2019



Midland PVA

Company:	EOG Resources - Midland		Local Co-ordinate Reference:	Well #722H
Project:	Lea County, NM (NAD 83 NME)		TVD Reference:	KB = 25 @ 3499.0usft
Site:	Dauntless 7 Fed		MD Reference:	KB = 25 @ 3499.0usft
Well:	#722H		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' 4.283 W
		Grid Convergence:	0.38 "

Well:	#722H		
Well Position	+N-S	0.0 usft	Northing:
	+E-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 8' 18.760 N
		Longitude:	103° 36' 19.996 W
		Ground Level:	3,474.0 usft

Wellbore:	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	3/28/2018	6.77
			Dip Angle
			(°)
			59.96
			Field Strength
			(nT)
			47,701.45078181

Design:	OH		
Auth Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	11,741.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			359.20



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #722H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3499.0ush
Site:	Daundess 7 Fed	MD Reference:	KB = 25 @ 3499.0ush
Well:	#722H	North Reference:	Gdd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey Program		Date	5/22/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
135.0	11,741.0	Newsco MWD (P30)	MWD	OWSG MWD - Standard	
11,937.0	22,719.0	Newsco MWD (OH)	MWD	OWSG MWD - Standard	

MD (usft)	Inc (")	Adj (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	0.0	0.00	0.00	0.0	0.0
135.0	0.50	304.40	135.0	0.3	-0.5	0.37	0.37	0.00	0.0	0.0
318.0	0.60	42.10	318.0	1.5	-0.5	0.45	0.05	53.39	0.0	0.0
497.0	1.30	87.40	497.0	2.3	2.2	0.53	0.39	25.31	0.0	0.0
680.0	1.70	103.20	679.9	1.8	6.9	0.31	0.22	-8.63	0.0	0.0
872.0	2.40	106.30	871.8	0.0	13.5	0.37	0.36	1.61	0.0	0.0
1,059.0	3.20	102.70	1,058.6	-2.3	22.4	0.44	0.43	-1.93	0.0	0.0
1,129.0	3.10	103.10	1,128.5	-3.1	28.1	0.15	-0.14	0.57	0.0	0.0
1,255.0	3.00	114.00	1,254.3	-5.2	32.4	0.47	-0.08	8.65	0.0	0.0
1,443.0	0.50	77.00	1,442.2	-7.1	37.7	1.39	-1.33	-19.68	0.0	0.0
1,629.0	0.80	326.60	1,628.2	-5.8	37.8	0.58	0.16	-59.35	0.0	0.0
1,816.0	0.90	5.90	1,815.1	-3.2	37.2	0.31	0.05	21.02	0.0	0.0
2,003.0	2.80	315.30	2,002.1	1.5	34.2	1.25	1.02	-27.06	0.0	0.0
2,190.0	3.70	324.60	2,188.8	9.6	27.5	0.56	0.48	4.97	0.0	0.0
2,377.0	4.30	324.10	2,375.3	20.2	19.9	0.32	0.32	-0.27	0.0	0.0
2,564.0	3.60	300.00	2,561.8	28.8	10.7	0.95	-0.37	-12.89	0.0	0.0
2,750.0	3.00	266.70	2,747.8	31.5	0.7	1.08	-0.32	-17.90	0.0	0.0
2,937.0	2.40	223.70	2,934.4	28.4	-6.8	1.10	-0.32	-22.99	0.0	0.0
3,124.0	2.30	118.40	3,121.3	23.8	-8.3	2.00	-0.05	-56.31	0.0	0.0
3,311.0	2.00	103.00	3,308.2	21.2	0.2	0.35	-0.16	-8.24	0.0	0.0
3,498.0	1.80	175.80	3,495.1	17.6	3.6	1.21	-0.11	38.93	0.0	0.0



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #722H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3499.0ush
Site:	Dawnless 7 Fed	MD Reference:	KB = 25 @ 3499.0ush
Well:	0722H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (ush)	Inc (°)	Azi (azimuth) (°)	TVD (ush)	NIS (ush)	EW (ush)	DLeg. (°/100ush)	Bulld (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
3,686.0	0.50	217.00	3,683.0	14.0	3.3	0.78	-0.69	21.91	0.0	0.0	
3,873.0	2.20	53.60	3,870.0	15.5	5.7	1.43	0.91	-97.38	0.0	0.0	
4,039.0	0.90	212.20	4,036.0	16.3	7.8	1.64	-0.70	85.27	0.0	0.0	
4,246.0	0.90	246.20	4,242.9	14.5	5.7	0.28	0.00	18.18	0.0	0.0	
4,433.0	2.20	132.20	4,428.9	11.5	7.0	1.44	0.70	-60.96	0.0	0.0	
4,620.0	2.00	181.70	4,618.8	5.8	9.0	1.12	-0.11	31.82	0.0	0.0	
4,807.0	2.50	153.20	4,803.7	-0.9	10.2	0.83	0.27	-20.59	0.0	0.0	
4,837.0	2.60	153.10	4,833.6	-2.1	10.8	0.33	0.33	-0.33	0.0	0.0	
4,991.0	2.10	169.80	4,987.5	-8.0	12.9	0.54	-0.32	10.71	0.0	0.0	
5,085.0	4.00	202.20	5,081.4	-12.8	12.0	2.66	2.02	34.68	0.0	0.0	
5,178.0	4.30	203.40	5,174.1	-19.0	8.4	0.34	0.32	1.29	0.0	0.0	
5,272.0	4.40	204.30	5,267.9	-25.5	6.5	0.13	0.11	0.96	0.0	0.0	
5,366.0	4.10	202.60	5,361.8	-31.9	3.7	0.35	-0.32	-1.81	0.0	0.0	
5,460.0	3.90	201.40	5,455.4	-38.0	1.2	0.23	-0.21	-1.28	0.0	0.0	
5,553.0	3.60	202.40	5,548.2	-43.6	-1.0	0.33	-0.32	1.08	0.0	0.0	
5,647.0	3.50	188.70	5,642.0	-49.0	-3.1	0.27	-0.11	-3.94	0.0	0.0	
5,835.0	3.50	210.80	5,829.6	-58.4	-7.9	0.40	0.00	6.49	0.0	0.0	
6,022.0	5.70	205.40	6,016.0	-72.7	-14.8	1.20	1.18	-2.94	0.0	0.0	
6,210.0	5.10	204.80	6,203.2	-88.7	-22.3	0.32	-0.32	-0.32	0.0	0.0	
6,397.0	5.20	202.30	6,389.4	-104.1	-29.0	0.13	0.05	-1.34	0.0	0.0	
6,584.0	5.10	201.00	6,575.7	-110.7	-35.2	0.08	-0.05	-0.70	0.0	0.0	
6,771.0	5.00	198.50	6,762.0	-135.2	-40.7	0.13	-0.05	-1.34	0.0	0.0	
6,958.0	4.80	201.60	6,948.3	-150.2	-46.2	0.18	-0.11	1.82	0.0	0.0	
7,144.0	4.80	200.80	7,133.6	-164.7	-51.9	0.06	0.00	-0.70	0.0	0.0	
7,330.0	4.40	202.10	7,319.0	-178.8	-57.3	0.22	-0.22	0.81	0.0	0.0	
7,517.0	3.90	205.90	7,505.5	-190.8	-62.8	0.31	-0.27	2.03	0.0	0.0	
7,703.0	1.80	213.00	7,691.3	-199.1	-87.1	1.14	-1.13	3.82	0.0	0.0	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #722H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3499.0ush
Site:	Danless 7 Fed.	MD Reference:	KB = 25 @ 3499.0ush
Well:	#722H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
ID (ush)	Inc (")	Asl (azimuth) (°)	TVD (ush)	NIS (ush)	EAW (ush)	DLag (*/100ush)	Build (*/100ush)	Turn (*/100ush)	High to Plan (ush)	Right to Plan (ush)	
7,890.0	1.80	210.20	7,878.2	-204.1	-70.2	0.04	0.00	-1.18	0.0	0.0	
8,077.0	1.70	216.60	8,065.1	-208.8	-73.4	0.10	-0.05	2.78	0.0	0.0	
8,263.0	1.70	208.70	8,251.0	-213.5	-76.2	0.15	0.00	-5.00	0.0	0.0	
8,451.0	1.10	34.90	8,439.0	-214.5	-78.5	1.49	-0.32	-91.38	0.0	0.0	
8,638.0	0.50	71.10	8,628.0	-212.8	-74.7	0.40	-0.32	18.36	0.0	0.0	
8,825.0	0.40	179.30	8,813.0	-213.2	-73.9	0.39	-0.05	57.33	0.0	0.0	
9,012.0	1.10	219.00	9,000.0	-215.2	-75.0	0.45	0.37	21.76	0.0	0.0	
9,199.0	1.50	323.00	9,186.9	-214.7	-77.6	1.10	0.21	55.61	0.0	0.0	
9,386.0	1.50	307.60	9,373.9	-211.2	-81.0	0.21	0.00	-8.24	0.0	0.0	
9,574.0	1.00	251.30	9,561.8	-210.3	-84.5	0.67	-0.27	-29.95	0.0	0.0	
9,761.0	1.30	294.70	9,748.8	-209.9	-88.0	0.48	0.16	23.21	0.0	0.0	
9,948.0	1.80	301.20	9,935.7	-207.5	-92.4	0.28	0.27	3.48	0.0	0.0	
10,135.0	2.40	320.80	10,122.6	-202.9	-97.4	0.49	0.32	10.37	0.0	0.0	
10,323.0	1.30	273.50	10,310.5	-199.8	-102.0	0.95	-0.59	-25.05	0.0	0.0	
10,510.0	0.50	340.80	10,497.5	-198.9	-104.4	0.64	-0.43	35.99	0.0	0.0	
10,697.0	1.00	66.80	10,684.5	-197.4	-103.2	0.58	0.27	45.99	0.0	0.0	
10,884.0	0.90	286.40	10,871.5	-196.4	-103.1	0.96	-0.05	-75.08	0.0	0.0	
11,072.0	1.00	307.30	11,059.5	-195.0	-105.8	0.19	0.05	11.12	0.0	0.0	
11,260.0	0.60	71.50	11,247.4	-193.7	-106.2	0.76	-0.21	68.06	0.0	0.0	
11,448.0	2.10	258.40	11,433.4	-194.1	-108.6	1.45	0.81	-93.06	0.0	0.0	
11,632.0	2.80	255.30	11,619.2	-185.9	-116.3	0.38	0.38	-1.67	0.0	0.0	
11,741.0	2.60	248.80	11,728.1	-187.5	-121.2	0.34	-0.18	-5.96	0.0	0.0	
11,937.0	3.30	328.60	11,923.9	-184.2	-128.3	1.96	0.36	40.87	-6.3	-5.7	
12,030.0	18.30	16.30	12,015.1	-177.8	-125.5	17.47	16.13	50.97	-29.9	-0.2	
12,123.0	18.30	14.60	12,103.4	-149.7	-117.8	0.57	0.00	-1.63	-64.9	-4.8	
12,215.0	23.00	12.50	12,189.5	-118.1	-110.2	5.17	5.11	-2.28	-96.8	-12.0	
12,309.0	31.50	10.40	12,273.0	-76.0	-101.8	9.10	8.04	-2.23	-118.7	-22.2	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #722H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3499.0ush
Shoe:	Dauntless 7 Fed	MD Reference:	KB = 25 @ 3499.0ush
Well:	#722H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (ush)	Inc (°)	Azl (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	DLeg (°/100ush)	Bullg (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
12,403.0	35.30	18.60	12,351.5	-26.0	-68.7	6.27	4.04	8.72	-130.0	-17.9	
12,498.0	46.30	15.70	12,421.8	32.0	-71.0	12.00	11.83	-3.12	-125.0	-40.5	
12,591.0	54.20	7.20	12,482.5	103.5	-56.8	10.78	8.32	-8.95	-106.5	-60.6	
12,684.0	63.20	0.80	12,530.8	182.8	-51.5	11.32	9.88	-8.88	-81.9	-59.9	
12,744.0	71.60	1.30	12,553.9	237.9	-50.5	14.02	14.00	0.83	-68.8	-32.2	
12,778.0	72.20	0.90	12,564.4	270.2	-49.9	2.09	1.76	-1.18	-58.3	-48.6	
12,871.0	79.80	355.90	12,586.9	380.3	-52.4	9.69	8.17	-5.38	-34.4	-35.3	
12,964.0	83.00	355.90	12,600.8	452.0	-59.0	3.44	3.44	0.00	-20.4	-23.3	
13,058.0	88.30	357.80	12,609.6	545.5	-64.1	4.05	3.51	2.02	-11.3	-17.2	
13,151.0	91.00	357.80	12,611.8	638.4	-67.7	5.05	5.05	0.00	-8.6	-14.2	
13,244.0	92.30	358.30	12,609.1	731.3	-70.9	1.50	1.40	0.54	-10.8	-11.6	
13,338.0	87.90	357.90	12,608.9	825.2	-74.0	4.70	-4.68	-0.43	-10.4	-9.1	
13,432.0	88.40	358.00	12,612.0	919.1	-77.4	0.54	0.53	0.11	-8.9	-8.3	
13,525.0	88.00	357.10	12,614.9	1,011.9	-81.3	1.06	-0.43	-0.97	-3.4	-3.0	
13,618.0	91.50	358.60	12,615.3	1,104.9	-84.8	4.08	3.76	1.61	-2.5	-0.1	
13,712.0	92.50	358.80	12,612.0	1,198.8	-86.9	1.08	1.06	0.21	-5.3	1.5	
13,805.0	93.40	357.60	12,607.2	1,291.6	-89.6	1.37	0.97	-0.97	-9.8	3.6	
13,898.0	90.40	358.40	12,604.2	1,384.5	-82.6	-3.27	-3.23	0.54	-12.1	5.9	
13,992.0	87.60	354.20	12,605.8	1,478.3	-98.7	5.37	-2.58	-4.47	-10.0	11.4	
14,086.0	89.00	356.40	12,608.6	1,571.9	-106.4	2.77	1.49	2.34	-6.7	18.5	
14,179.0	90.90	0.00	12,608.7	1,664.8	-109.3	4.38	2.04	3.87	-6.1	20.8	
14,273.0	90.80	0.20	12,607.3	1,758.6	-109.1	0.24	-0.11	0.21	-7.0	20.1	
14,368.0	91.60	0.80	12,605.3	1,851.8	-108.2	1.14	0.88	0.75	-8.4	19.8	
14,461.0	89.30	0.90	12,604.6	1,946.8	-106.8	2.42	-2.42	0.00	-8.6	18.5	
14,555.0	88.20	0.60	12,606.6	2,040.7	-105.5	1.21	-1.17	-0.32	-6.0	14.6	
14,648.0	87.40	0.00	12,610.2	2,133.7	-105.0	1.07	-0.88	-0.65	-2.0	13.6	
14,742.0	80.60	0.60	12,611.8	2,227.6	-104.5	3.48	3.40	0.84	0.2	12.5	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #722H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3499.0ush
Site:	Dauntless 7 Fed	MD Reference:	KB = 25 @ 3499.0ush
Well:	#722H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (ush)	Inc (°)	Azi (azimuth) (°)	TVD (ush)	NIS (ush)	EW (ush)	DLog (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
14,837.0	88.00	0.20	12,613.0	2,322.6	-103.9	2.77	-2.74	-0.42	1.9	11.2
14,830.0	88.40	0.50	12,615.9	2,415.6	-103.3	0.54	0.43	0.32	5.2	10.0
15,023.0	88.30	0.50	12,616.6	2,508.5	-102.5	0.11	-0.11	0.00	8.1	8.6
15,117.0	90.00	2.20	12,620.0	2,602.5	-100.3	2.58	1.81	1.81	9.9	5.8
15,211.0	88.50	2.60	12,621.2	2,698.4	-96.4	1.65	-1.60	0.43	11.4	1.3
15,305.0	91.80	5.50	12,621.1	2,790.1	-89.7	4.52	3.30	3.09	11.6	-5.9
15,359.0	88.50	4.10	12,621.1	2,883.8	-81.9	3.62	-3.30	-1.49	11.9	-14.4
15,492.0	89.10	5.10	12,623.0	2,978.5	-74.4	1.25	0.65	1.08	14.1	-22.5
15,588.0	89.00	1.60	12,624.6	3,070.3	-68.9	3.72	-0.11	-3.72	16.0	-28.6
15,680.0	90.30	0.50	12,625.1	3,164.3	-67.2	1.81	1.38	-1.17	16.9	-30.9
15,773.0	89.50	358.20	12,625.3	3,257.3	-68.2	2.62	-0.85	-2.47	17.3	-30.4
15,866.0	92.20	338.80	12,623.9	3,350.2	-70.7	2.97	2.90	0.65	16.2	-28.6
15,959.0	87.10	358.60	12,624.5	3,443.1	-74.4	5.97	-5.48	-2.37	17.2	-25.4
16,053.0	89.60	359.30	12,627.2	3,537.0	-77.8	3.91	2.68	2.67	20.2	-22.7
16,145.0	90.30	358.50	12,627.3	3,629.0	-79.5	1.16	0.78	-0.67	20.5	-21.5
16,238.0	88.60	358.80	12,629.8	3,721.8	-83.3	4.38	-3.99	-1.83	23.4	-18.3
16,331.0	87.80	357.40	12,634.3	3,814.6	-88.0	1.44	1.29	0.65	28.2	-14.2
16,425.0	88.60	357.80	12,637.3	3,908.5	-92.0	0.95	0.85	0.43	31.5	-10.9
16,518.0	90.60	358.60	12,637.9	4,001.4	-94.7	2.40	2.15	1.08	32.4	-8.7
16,612.0	91.20	358.60	12,636.5	4,095.4	-96.9	0.67	0.64	-0.21	31.3	-7.2
16,706.0	89.80	358.00	12,635.6	4,189.3	-93.6	1.62	-1.49	-0.64	30.8	-5.0
16,800.0	90.50	1.20	12,635.4	4,283.3	-100.3	3.48	0.74	3.40	30.8	-4.9
16,894.0	90.60	0.20	12,634.5	4,377.3	-99.2	1.07	0.11	-1.06	30.3	-8.7
16,987.0	91.10	2.00	12,633.1	4,470.3	-97.4	2.01	0.54	1.94	29.2	-9.0
17,081.0	88.50	1.90	12,633.4	4,564.2	-94.2	2.77	-2.77	-0.11	29.8	-12.8
17,175.0	90.90	0.00	12,633.9	4,658.2	-92.8	3.28	2.55	-2.02	30.8	-15.0
17,268.0	91.10	359.80	12,632.3	4,751.2	-92.8	0.30	0.22	-0.22	29.3	-15.4



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #722H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3499.0usft
Site:	Davittless 7 Fed	MD Reference:	KB = 25 @ 3499.0usft
Well:	#722H	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)	OLEg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
17,363.0	91.00	358.60	12,630.6	4,848.2	-93.9	1.06	-0.11	-1.05	27.9	-14.9	
17,458.0	88.20	356.30	12,631.2	4,939.0	-97.9	4.04	-3.01	-2.69	28.8	-11.5	
17,551.0	89.10	356.80	12,633.5	5,033.8	-103.6	1.08	0.95	0.53	31.4	-8.4	
17,645.0	88.00	356.70	12,635.8	5,127.7	-109.0	1.18	-1.17	-0.11	34.1	-1.7	
17,740.0	89.80	357.20	12,637.7	5,222.5	-114.0	1.97	1.89	0.53	38.2	2.8	
17,833.0	91.00	357.60	12,637.0	5,315.4	-118.2	1.36	1.29	0.43	35.9	6.4	
17,926.0	91.20	357.60	12,635.2	5,408.3	-122.1	0.22	0.22	0.00	34.2	9.7	
18,019.0	92.80	357.50	12,631.9	5,501.2	-126.1	1.83	1.83	-0.11	30.7	13.1	
18,112.0	92.30	359.50	12,627.7	5,594.0	-128.5	2.24	-0.65	2.15	29.3	14.9	
18,205.0	90.00	358.30	12,625.8	5,687.0	-130.3	2.78	-2.47	-1.29	24.3	16.1	
18,298.0	90.30	359.20	12,625.6	5,780.0	-132.3	1.02	0.32	0.87	23.8	17.6	
18,392.0	88.50	3.00	12,628.2	5,873.9	-130.5	5.72	-4.04	4.04	28.4	15.1	
18,485.0	86.10	3.80	12,634.2	5,966.5	-125.0	0.88	-0.43	0.88	32.2	9.0	
18,578.0	87.20	0.80	12,639.6	6,059.3	-121.3	3.43	1.18	-3.23	37.5	4.8	
18,672.0	88.20	0.80	12,643.4	6,153.2	-120.0	1.06	1.06	0.00	41.1	2.8	
18,765.0	89.30	0.70	12,645.4	6,246.2	-118.8	1.19	1.18	-0.11	43.0	1.0	
18,859.0	83.90	2.10	12,642.8	6,340.1	-118.5	5.11	4.89	1.49	40.2	-1.9	
18,952.0	93.00	2.90	12,637.2	6,432.8	-112.4	1.29	-0.97	0.86	34.5	-6.5	
19,046.0	88.90	0.80	12,635.7	6,526.7	-109.4	4.80	-4.36	-2.23	32.7	-10.1	
19,138.0	89.30	1.70	12,637.1	6,618.7	-107.4	1.07	0.43	0.88	34.0	-12.7	
19,232.0	89.70	359.50	12,637.9	6,712.7	-106.4	2.38	0.43	-2.34	34.7	-14.3	
19,326.0	91.10	0.30	12,637.3	6,806.7	-106.6	1.72	1.49	0.85	33.8	-14.8	
19,419.0	92.00	359.30	12,634.7	6,899.6	-106.9	1.45	0.97	-1.08	31.2	-15.0	
19,512.0	89.80	358.80	12,633.3	6,992.6	-108.4	2.43	-2.37	-0.54	29.8	-14.1	
19,606.0	91.70	0.20	12,632.1	7,086.6	-109.3	2.51	2.02	1.49	28.2	-13.9	
19,700.0	90.00	357.20	12,630.7	7,180.5	-111.4	3.67	-1.81	-3.19	26.7	-12.3	
19,783.0	88.60	358.60	12,631.8	7,273.4	-114.9	2.05	-1.51	1.40	27.7	-9.4	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #722H
Project:	Lee County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3499.0ush
Site:	Damascus 7 Fed	MD Reference:	KB = 25 @ 3499.0ush
Well:	#722H	North Reference:	Crd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (ush)	Inc (°)	Azi (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	D Leg (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
19,887.0	87.60	355.70	12,634.9	7,387.3	-119.6	3.16	-1.06	-2.98	30.6	-5.3	
19,981.0	87.90	358.40	12,638.6	7,481.1	-124.5	2.89	0.32	2.87	34.1	-1.0	
20,075.0	90.70	359.60	12,639.8	7,555.0	-126.1	3.24	2.88	1.28	35.1	0.0	
20,168.0	89.10	0.00	12,639.9	7,648.0	-126.4	1.77	-1.72	0.43	35.1	-0.3	
20,262.0	89.00	0.40	12,641.5	7,742.0	-126.1	0.44	-0.11	0.43	36.6	-1.2	
20,283.0	90.20	0.10	12,641.6	7,765.0	-126.0	5.38	6.22	-1.30	36.7	-1.4	
20,378.0	91.00	1.20	12,640.7	7,858.0	-125.0	1.46	0.86	1.18	35.5	-3.1	
20,472.0	90.40	358.40	12,639.5	7,952.0	-125.3	3.05	-0.64	-2.98	34.2	-3.4	
20,566.0	91.60	357.70	12,637.9	8,045.9	-128.5	1.48	1.28	-0.74	32.4	-0.8	
20,660.0	89.90	358.20	12,636.6	8,139.8	-131.8	1.89	-1.81	0.53	31.1	2.0	
20,754.0	91.00	358.90	12,635.9	8,233.8	-134.2	1.39	1.17	0.74	30.2	3.8	
20,847.0	89.50	358.70	12,635.5	8,326.8	-136.2	1.63	-1.61	-0.22	29.8	6.1	
20,940.0	90.50	358.30	12,635.5	8,419.7	-138.6	1.16	1.08	-0.43	29.5	7.0	
21,034.0	91.80	358.80	12,633.6	8,513.7	-140.9	1.52	1.38	0.64	27.4	8.7	
21,127.0	89.00	358.80	12,633.0	8,606.7	-142.8	3.01	-3.01	-0.11	26.6	9.9	
21,220.0	90.50	359.70	12,633.4	8,699.7	-144.0	1.88	1.61	0.97	26.9	10.8	
21,313.0	91.00	359.80	12,632.2	8,792.6	-144.4	0.55	0.54	0.11	25.5	10.4	
21,406.0	90.30	358.90	12,631.1	8,885.6	-145.4	1.23	-0.75	-0.97	24.3	10.8	
21,499.0	92.70	359.30	12,628.7	8,978.6	-146.9	2.62	2.38	0.43	21.7	11.7	
21,592.0	89.90	358.50	12,626.6	9,071.5	-148.7	3.13	-3.01	-0.86	19.4	12.9	
21,686.0	88.70	358.20	12,629.3	9,165.4	-151.4	3.42	-3.40	-0.32	22.0	15.0	
21,778.0	86.90	358.60	12,634.5	9,258.3	-154.1	0.39	0.22	0.32	27.1	17.1	
21,872.0	87.80	359.00	12,638.8	9,351.1	-156.1	1.11	0.97	0.54	31.2	18.5	
21,965.0	88.70	359.60	12,641.7	9,444.1	-157.2	1.16	0.97	0.65	33.9	19.1	
22,058.0	89.50	2.00	12,643.1	9,537.0	-155.9	2.72	0.86	2.58	35.2	17.1	
22,151.0	89.90	0.00	12,643.6	9,630.0	-154.3	2.19	0.43	-2.15	35.8	14.9	
22,244.0	90.80	0.50	12,643.1	9,723.0	-153.9	1.11	0.97	0.54	34.8	13.9	



Midland PVA

Company:	EOG Resources - Midland	Local Coordinate Reference:	Well #722H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3499.0ush
Site:	Dauntless 7 Fed	MD Reference:	KB = 25 @ 3499.0ush
Well:	#722H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (ush)	Inc (°)	Asd (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	OLog (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
22,338.0	91.60	1.30	12,841.1	9,817.0	-152.4	1.20	0.85	0.85	32.7	11.9
22,431.0	92.20	1.30	12,638.0	9,909.9	-150.3	0.65	0.65	0.00	29.5	9.2
22,528.0	92.80	2.10	12,633.9	10,004.8	-147.5	1.05	0.63	0.84	25.2	5.7
22,619.0	93.30	2.10	12,628.9	10,097.6	-144.1	0.54	0.54	0.00	20.1	1.7
22,672.0	94.20	2.70	12,625.4	10,150.4	-141.9	2.04	1.70	1.13	16.5	-0.8
22,719.0	94.20	2.70	12,622.0	10,197.2	-139.7	0.00	0.00	0.00	13.0	-3.3

Measured Depth (ush)	Vertical Depth (ush)	Local Coordinates N/S (ush)	E/W (ush)	Comment
11,952.0	11,938.9	-193.2	-128.6	KOP, MD:11952.0', TVD:11938.9', N/S:-193.2', E/W:-128.6', INC:5.24
12,121.9	12,102.4	-150.0	-117.9	FTP Crossing, MD:12121.9', TVD:12102.4', N/S:-150.0', E/W:-117.9', INC:18.30
22,672.0	12,625.4	10,150.4	-141.9	Last MWD Survey (MD=22672.0')
22,719.0	12,622.0	10,197.2	-139.7	Projection to Bit (MD=22719.0')

Checked By: _____ Approved By: _____ Date: _____

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

Signed Kay Maddox Date 11/12/2019



Lea County, NM (NAD 83 NME)

Dauntless 7 Fed #722H

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: #722H

KB = 25 @ 3439.50 ft
Northing 41430.00 Easting 76621.00
Longitude 103° 20' 16.998 W



Azimuth to Grid North
True North: 0.33°
Magnetic North: 8.33°
Magnetic Field
Strength: 4701 Gauss
Dip Angle: 65.96°
Date: 3/26/2019
Mod at: 10/9/2019

To convert a Magnetic Direction to a Grid Direction, Add 8.33°
To convert a Magnetic Direction to a True Direction, Add 0.33° East
To convert a True Direction to a Grid Direction, Subtract 0.33°

CURVE/LATERAL SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeet	Target
1	12126.0	4.60	217.85	12112.4	-212.1	-139.0	0.00	0.00	-210.1	
2	12911.8	90.32	7.48	12622.5	265.5	-97.4	12.00	149.54	266.8	
3	13173.3	90.32	359.63	12821.0	526.4	-81.2	3.00	-90.01	527.5	
4	14993.9	90.32	359.63	12811.0	2346.9	-92.8	0.00	0.00	2348.0	TGT#1(Dauntless 7 Fed #722H)
5	15000.2	90.19	359.63	12611.0	2353.2	-92.8	2.00	179.27	2354.2	
6	18000.1	90.19	359.63	12601.0	5353.0	-112.0	0.00	0.00	5354.0	TGT#2(Dauntless 7 Fed #722H)
7	18014.4	89.90	359.63	12501.0	5367.3	-112.1	2.00	-180.00	5368.3	
8	22846.2	89.90	359.63	12603.0	10199.0	-143.0	0.00	0.00	10200.0	PBHL(Dauntless 7 Fed #722H)

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Brushy Top(Dauntless 7 Fed #722H)	1841.0	-202.0	-78.0	414701.00	76763.00
TGT#1(Dauntless 7 Fed #722H)	12611.0	5353.0	-112.0	422254.20	766768.85
TGT#2(Dauntless 7 Fed #722H)	12601.0	5353.0	-112.0	422101.00	766711.00
TGT#3(Dauntless 7 Fed #722H)	12511.0	2346.9	-92.8	417947.80	767162.15
FT#1(Dauntless 7 Fed #722H)	12511.0	-152.0	-76.0	414761.00	767725.00

