

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator EOG RESOURCES, INC Contact: KAY MADDOX
E-Mail: KAY_MADDOX@EOGRESOURCES.COM

3. Address PO BOX 2267 MIDLAND, TX 79702 3a. Phone No. (include area code) Ph: 432-686-3658

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 7 T25S R33E Mer NMP
At surface SESE 250FSL 616FEL 32.138545 N Lat, 103.604827 W Lon
Sec 7 T25S R33E Mer NMP
At top prod interval reported below SESE 521FSL 994FEL 32.139291 N Lat, 103.606047 W Lon
Sec 6 T25S R33E Mer NMP
At total depth NENE 120FNL 995FEL 32.166555 N Lat, 103.606042 W Lon

10. Field and Pool, or Exploratory WC025 G09 S253309P;UPR WC
11. Sec., T., R., M., or Block and Survey or Area Sec 7 T25S R33E Mer NMP
12. County or Parish LEA 13. State NM
17. Elevations (DF, KB, RT, GL)* 3474 GL

14. Date Spudded 05/25/2019 15. Date T.D. Reached 06/14/2019 16. Date Completed ☐ D & A ☒ Ready to Prod. 11/01/2019

18. Total Depth: MD 22537 TVD 12376 19. Plug Back T.D.: MD 22535 TVD 12376 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
12.250	9.625 J55	40.0		1170		440		0	
8.750	7.625 HCP-110	29.7		11688		1679		0	
6.750	5.500 ICYP110	20.0		22522		955		6350	

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	12605	22535	12605 TO 22535	3.250	2100	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
12605 TO 22535	25,288,658 LBS PROPPANT, 371,908 BBLs LOAD FLUID

28. Production - Interval A

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	→	3607.0	8252.0	9465.0	45.0		FLOW FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	SI	2807.0	→				2288	POW	

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. SI	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 #492233 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation due: 05/01/2020

NOCD
HOBBS
DEC 10 2019
RECEIVEDACCEPTED FOR RECORD
NOV 14 2019
BUREAU OF LAND MANAGEMENT
ROSWELL FIELD OFFICE

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	1037		BARREN	RUSTLER	1037
T/SALT	1358		BARREN	T/SALT	1358
B/SALT	4785		BARREN	B/SALT	4785
BRUSHY CANYON	7606		OIL & GAS	BRUSHY CANYON	7606
1ST BONE SPRING SAND	10096		OIL & GAS	1ST BONE SPRING SAND	10096
2ND BONE SPRING SAND	10662		OIL & GAS	2ND BONE SPRING SAND	10662
3RD BONE SPRING SAND	11816		OIL & GAS	3RD BONE SPRING SAND	11816
WOLFCAMP	12285		OIL & GAS	WOLFCAMP	12285

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 #492233 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 0

Name (please print) KAY MADDOXTitle REGULATORY SPECIALISTSignature (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 30-025-45592	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 #703H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3474'

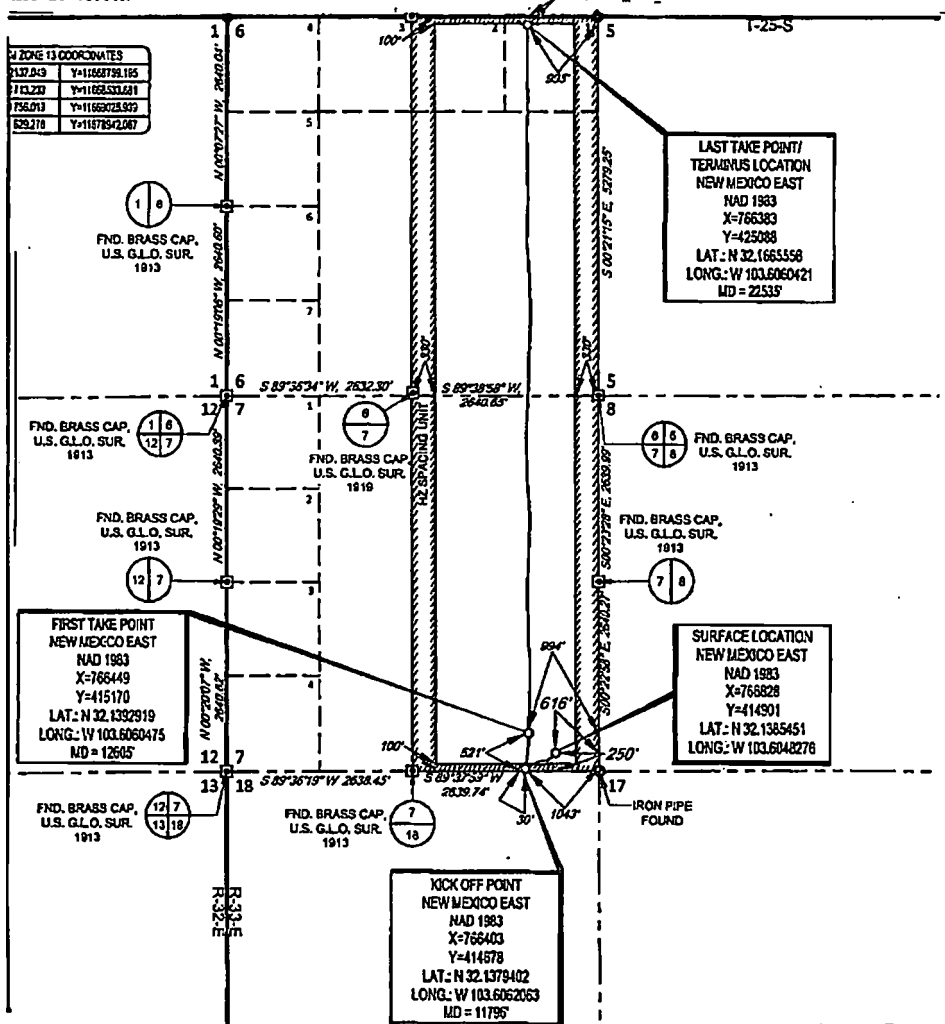
¹⁰Surface Location

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	616'	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	-	120'	NORTH	995'	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 undivided 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 11/04/2019
Signature Date

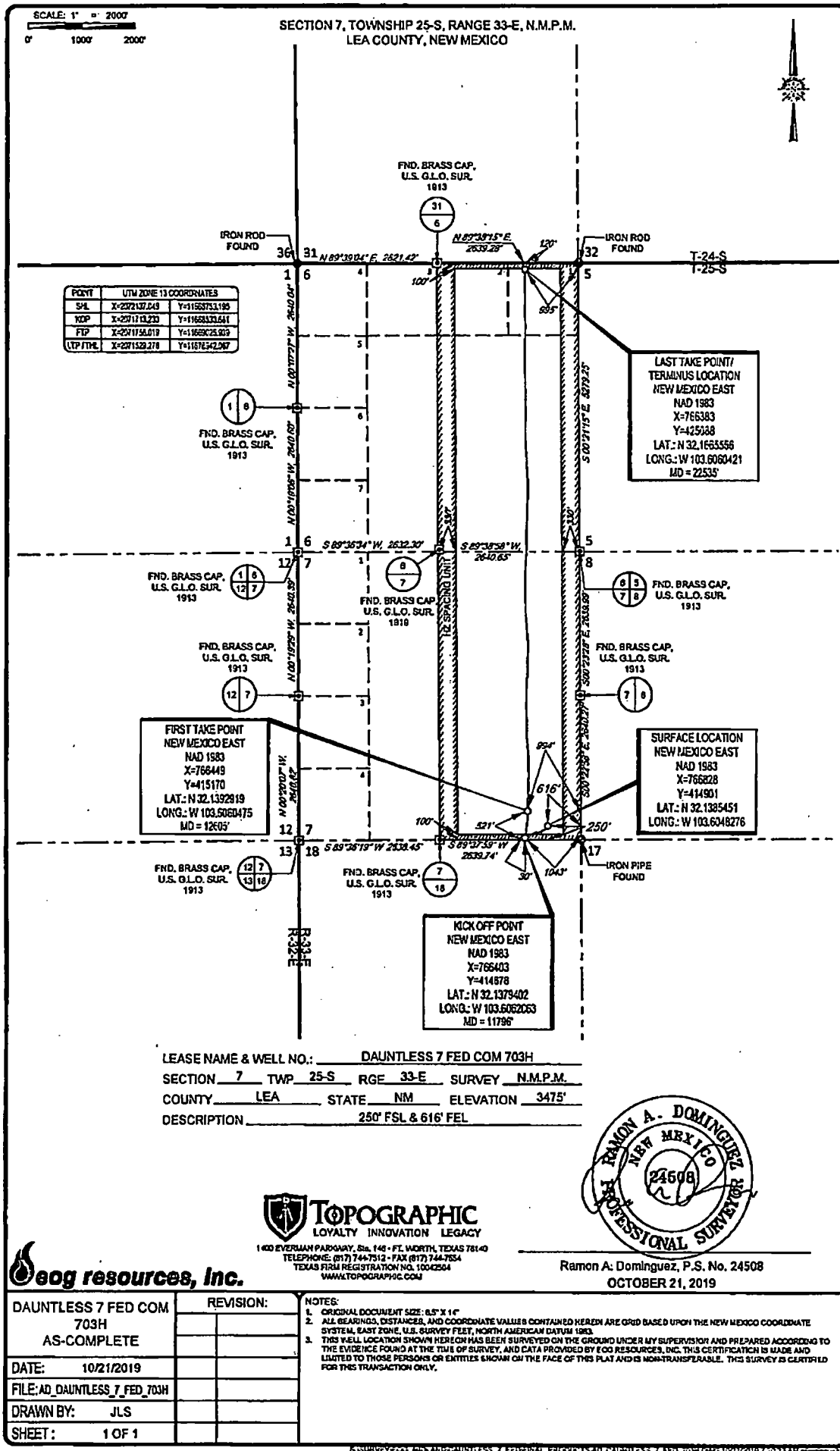
KAY MADDOX
Printed Name

E-mail Address

¹⁸SURVEYOR CERTIFICATION

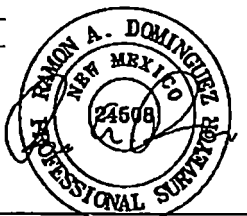
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

12/19/2017
Date of Survey
Signature and Seal of Professional Surveyor
MICHAEL A. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR
Certificate Number



LEASE NAME & WELL NO.: DAUNTLESS 7 FED COM 703H
 SECTION 7 TWP 25-S RGE 33-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3475'
 DESCRIPTION 250' FSL & 616' FEL

TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY
 1400 EVERMAN PARKWAY, Ste. 140 - FT. WORTH, TEXAS 76140
 TELEPHONE: (817) 744-7512 - FAX: (817) 744-7554
 TEXAS FIRM REGISTRATION NO. 10042504
 WWW.TOPOGRAPHIC.COM



Ramon A. Dominguez, P.S. No. 24508
 OCTOBER 21, 2019

Geog resources, Inc.

DAUNTLESS 7 FED COM 703H AS-COMplete	REVISION:
DATE: 10/21/2019	
FILE: AD_DAUNTLESS_7_FED_703H	
DRAWN BY: JLS	
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 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

#703H

OH

Design: OH

Midland PVA

25 June, 2019



Midland PVA

Company:	EOG Resources - Midland			Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)			TVD Reference:	KB = 25' @ 3499.0usft
Site:	Dauntless 7 Fed			ND Reference:	KB = 25' @ 3499.0usft
Well:	#703H			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	Spot Radius:	13-3/16 "	Grid Convergence:	0.38 °

Well	#703H					
Well Position	+N-S	0.0 usft	Northing:	414,801.00 usft	Latitude:	32° 8' 18.762 N
	+E-W	0.0 usft	Easting:	762,828.00 usft	Longitude:	103° 36' 17.379 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,474.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2015	8/17/2018	6.84	59.96	47,763.59285237

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	357.53	

Survey Program	Data 6/25/2019				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
138.0	22,537.0	Newsco MWD (OH)	MWD	OWSG MWD - Standard	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well: g703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3499.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3499.0usft
Well:	g703H	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)	DTeg (°/100usft)	BuId (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.00	0.0	0.0
138.0	0.50	289.80	138.0	0.2	-0.6	0.36	0.36	0.00	-0.6	0.0	
318.0	0.20	305.90	318.0	0.7	-1.6	0.17	-0.17	8.94	-1.6	0.4	
497.0	1.10	326.90	497.0	2.3	-2.8	0.51	0.50	11.73	-3.4	1.1	
685.0	0.00	310.60	685.0	3.8	-3.7	0.59	-0.59	0.00	-3.8	3.7	
872.0	1.40	126.20	872.0	2.4	-1.9	0.75	0.75	0.00	3.0	0.8	
1,059.0	1.10	103.50	1,058.9	0.7	1.7	0.31	-0.16	-12.14	-1.5	1.0	
1,127.0	1.20	106.10	1,126.9	0.3	3.0	0.17	0.15	3.82	-2.8	1.1	
1,249.0	1.50	100.50	1,248.9	-0.3	5.8	0.27	0.25	-4.59	-5.8	0.7	
1,436.0	0.90	102.10	1,435.8	-1.1	9.7	0.32	-0.32	0.86	-9.7	1.0	
1,622.0	0.80	85.50	1,621.8	-1.3	12.4	0.14	-0.05	-8.92	-12.2	-2.2	
1,809.0	0.70	48.60	1,808.8	-0.4	14.5	0.28	-0.05	-19.73	-10.6	-8.9	
1,996.0	0.80	25.70	1,995.8	1.5	16.0	0.17	0.05	-12.25	-8.3	-13.7	
2,184.0	0.60	11.80	2,183.7	4.0	16.8	0.10	0.00	-7.39	-7.3	-15.6	
2,371.0	1.90	204.20	2,370.7	2.4	15.8	1.44	0.59	-89.63	8.7	13.4	
2,558.0	4.20	209.30	2,555.4	-6.3	11.2	1.25	1.24	2.76	3.6	15.1	
2,743.0	4.30	212.20	2,741.9	-18.2	4.1	0.13	0.05	1.55	3.3	22.5	
2,929.0	6.10	227.30	2,927.2	-30.8	-6.8	1.21	0.97	8.12	8.2	26.6	
3,117.0	5.50	233.10	3,114.2	-43.0	-21.4	0.45	-0.32	3.09	8.1	29.1	
3,304.0	6.60	236.30	3,300.2	-54.3	-37.5	0.82	0.59	1.71	6.2	30.6	
3,491.0	6.60	242.00	3,485.9	-65.3	-55.9	0.35	0.00	3.05	4.0	30.8	
3,678.0	6.30	241.70	3,671.7	-75.2	-74.5	0.16	-0.16	-0.16	-0.8	30.7	
3,866.0	3.80	239.60	3,859.0	-83.3	-88.8	1.33	-1.33	-1.12	-2.1	30.8	
4,052.0	3.40	244.10	4,044.6	-88.8	-99.2	0.26	-0.22	2.42	4.8	30.7	
4,240.0	2.10	238.50	4,232.4	-93.0	-107.1	0.71	-0.69	-2.88	9.2	31.3	
4,426.0	2.40	196.60	4,418.3	-98.6	-111.2	0.87	0.16	-22.42	-8.9	38.7	
4,614.0	3.10	209.20	4,606.1	-108.8	-114.8	0.49	0.37	6.60	4.6	49.3	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well 8703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3499.0usft
Site:	Dainoffess 7 Fed	MD Reference:	KB = 25' @ 3499.0usft
Well:	8703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Ad (azimuth) (°)	TVD (usft)	N.S. (usft)	EW (usft)	CLeg (°/100usft)	Boll (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,801.0	2.40	241.80	4,792.9	-113.0	-120.7	0.90	-0.37	17.43	38.6	41.8	
4,988.0	4.80	286.10	4,979.5	-112.7	-131.7	1.88	1.28	23.69	57.8	-5.7	
5,175.0	4.80	280.80	5,165.9	-109.1	-146.9	0.24	0.00	-2.83	55.1	-11.3	
5,362.0	4.90	279.10	5,352.2	-108.3	-162.5	0.09	0.05	-0.91	52.5	-19.8	
5,550.0	4.80	278.00	5,539.5	-103.9	-178.3	0.05	0.00	-0.58	50.1	-28.7	
5,738.0	8.10	252.90	5,728.3	-108.7	-199.0	2.24	1.70	-13.35	53.0	-11.5	
5,925.0	8.00	250.20	5,911.5	-115.0	-223.8	0.21	-0.05	-1.44	43.4	-12.1	
6,113.0	7.10	250.40	6,097.8	-123.3	-247.0	0.48	-0.48	0.11	34.8	-14.7	
6,300.0	8.70	249.50	6,283.5	-131.0	-268.1	0.22	-0.21	-0.48	28.7	-16.6	
6,487.0	6.50	248.40	6,469.2	-139.0	-288.8	0.13	0.11	-0.59	23.0	-18.2	
6,674.0	6.70	249.60	6,654.8	-148.9	-309.5	0.13	-0.11	0.84	18.6	-20.7	
6,860.0	6.60	247.10	6,839.6	-154.9	-329.5	0.16	-0.05	-1.34	12.1	-22.0	
7,047.0	6.40	245.40	7,025.4	-163.4	-348.9	0.15	-0.11	-0.91	7.8	-23.0	
7,233.0	3.20	228.20	7,210.7	-171.3	-362.0	1.90	-1.72	-10.32	15.6	-18.3	
7,420.0	1.20	239.40	7,397.6	-175.9	-387.5	1.10	-1.07	7.06	16.3	-19.7	
7,606.0	1.40	235.20	7,583.5	-178.2	-371.0	0.12	0.11	-2.26	15.2	-18.4	
7,793.0	1.40	238.00	7,770.5	-180.7	-374.9	0.04	0.00	1.50	9.7	-10.0	
7,980.0	1.60	217.20	7,957.4	-184.0	-378.4	0.31	0.11	-11.12	11.1	-15.2	
8,166.0	1.50	223.20	8,143.3	-187.8	-381.6	0.10	-0.05	3.23	4.4	-16.0	
8,353.0	1.60	220.80	8,330.3	-191.8	-385.0	0.08	0.05	-1.28	0.0	-15.9	
8,541.0	1.60	212.50	8,518.2	-195.8	-388.1	0.12	0.00	-4.41	-2.9	-16.1	
8,728.0	1.90	214.90	8,705.1	-200.8	-391.3	0.17	0.16	1.28	-9.3	-15.8	
8,915.0	1.60	217.80	8,892.0	-205.2	-394.7	0.17	-0.16	1.60	-15.8	-15.2	
9,102.0	1.60	222.00	9,079.0	-209.2	-398.0	0.06	0.00	2.19	-22.1	-13.8	
9,288.0	0.80	119.20	9,264.9	-211.8	-398.5	1.08	-0.38	-55.27	17.5	-21.0	
9,476.0	2.00	83.80	9,452.9	-212.2	-393.9	0.73	0.59	-18.83	21.9	-7.8	
9,664.0	1.20	62.40	9,640.8	-210.9	-388.9	0.52	-0.43	-11.38	18.2	-0.5	



Midland PVA

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Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
9,850.0	0.70	44.80	9,826.8	-209.2	-368.4	0.31	-0.27	-9.41	14.5	4.4
10,038.0	0.30	292.80	10,014.8	-208.2	-386.0	0.46	-0.21	-59.63	-9.6	10.8
10,225.0	0.80	328.20	10,201.7	-206.9	-387.2	0.31	0.27	18.93	-3.3	14.6
10,412.0	0.80	302.30	10,388.7	-205.1	-389.0	0.18	0.00	-13.85	-11.9	11.1
10,600.0	0.70	300.50	10,576.7	-203.8	-391.1	0.05	-0.05	-0.98	-14.7	10.7
10,787.0	0.70	252.10	10,763.7	-203.6	-393.1	0.31	0.00	-25.88	-19.6	-4.7
10,974.0	1.30	256.30	10,950.7	-204.4	-396.3	0.32	0.32	2.25	-23.2	-3.2
11,162.0	1.80	220.50	11,138.6	-207.2	-400.3	0.57	0.27	-16.04	-21.6	-17.4
11,348.0	2.80	238.00	11,324.5	-211.8	-406.0	0.85	0.54	8.41	-33.2	-9.2
11,535.0	2.80	247.50	11,511.2	-216.0	-414.1	0.25	0.00	5.68	-43.3	-2.8
11,653.0	3.30	238.40	11,629.1	-218.9	-419.7	0.59	0.42	-7.71	-48.6	-10.1
11,749.0	3.50	218.60	11,724.9	-222.6	-423.9	1.23	0.21	-20.62	-47.8	-26.9
11,843.0	6.50	357.10	11,818.7	-219.5	-425.9	10.01	3.19	147.34	14.7	53.8
11,838.0	21.40	359.50	11,803.7	-197.2	-426.3	18.03	18.02	2.58	-4.7	53.3
12,029.0	28.30	15.50	11,993.2	-158.9	-420.6	10.30	7.42	17.20	-18.4	54.0
12,123.0	33.30	12.80	12,073.9	-112.2	-408.9	5.52	5.32	-2.87	-41.5	44.7
12,215.0	40.90	7.70	12,147.2	-57.6	-399.3	8.91	8.26	-5.54	-55.1	31.6
12,309.0	52.20	7.50	12,211.8	9.9	-390.3	12.02	12.02	-0.21	-60.7	21.2
12,402.0	53.90	6.70	12,267.7	83.7	-381.1	1.95	1.83	-0.86	-55.7	9.5
12,498.0	64.40	0.30	12,315.8	164.0	-378.4	12.60	11.17	-8.81	-39.7	1.2
12,590.0	79.20	356.40	12,345.1	253.0	-379.1	18.23	15.74	-4.15	-24.3	3.1
12,683.0	83.00	1.20	12,359.5	344.8	-381.0	6.53	4.09	5.16	-10.4	4.5
12,777.0	87.40	0.90	12,367.4	438.5	-379.3	4.69	4.68	-0.32	-2.6	2.2
12,867.0	88.70	2.50	12,370.4	528.4	-376.8	2.29	1.44	1.78	0.5	-1.1
12,960.0	89.80	3.60	12,371.7	621.2	-371.7	1.87	1.18	1.18	1.7	-6.8
13,054.0	91.00	1.80	12,371.0	716.1	-367.4	2.48	1.28	-2.13	1.0	-11.5
13,148.0	92.20	1.80	12,368.4	809.1	-364.6	1.29	1.28	0.21	-1.8	-14.9



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3499.0ush
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3499.0ush
Well:	#703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (ush)	Inc (°)	Asl (azimuth) (°)	TVD (ush)	N/S (ush)	EW (ush)	DLag (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
13,241.0	90.90	359.80	12,365.9	902.0	-363.3	2.58	-1.40	-2.15	-4.1	-16.8
13,334.0	91.00	359.60	12,364.3	995.0	-363.8	0.24	0.11	-0.22	-5.8	-16.9
13,428.0	88.60	359.80	12,364.7	1,089.0	-364.3	2.58	-2.55	0.21	-5.3	-17.0
13,522.0	88.00	359.80	12,367.4	1,182.9	-364.5	0.65	-0.64	0.11	-2.5	-17.4
13,615.0	90.40	357.00	12,368.7	1,275.9	-367.1	4.05	2.58	-3.12	-1.2	-13.5
13,709.0	87.50	355.60	12,370.5	1,369.7	-373.1	3.43	-3.09	-1.49	0.5	-10.0
13,802.0	88.10	355.60	12,374.0	1,462.3	-380.3	0.85	0.65	0.00	4.1	-3.5
13,895.0	90.70	358.80	12,375.0	1,555.1	-388.4	3.08	2.80	1.29	5.0	2.1
13,988.0	92.50	357.70	12,372.4	1,647.9	-390.9	2.16	1.94	0.97	2.4	6.0
14,082.0	92.40	2.20	12,368.4	1,741.8	-391.0	4.78	-0.11	4.78	-1.6	5.4
14,175.0	89.30	356.90	12,367.0	1,834.8	-391.7	6.80	-3.33	-5.70	-3.0	5.8
14,269.0	89.10	356.40	12,368.3	1,928.6	-397.2	0.57	-0.21	-0.53	-1.7	19.5
14,362.0	89.60	358.20	12,369.4	2,021.4	-403.2	0.58	0.54	-0.22	-0.8	13.9
14,457.0	90.80	358.60	12,369.0	2,116.3	-407.5	2.82	1.28	2.53	-0.9	19.6
14,551.0	90.20	359.50	12,368.2	2,210.3	-409.1	1.15	-0.84	0.96	-1.7	20.5
14,645.0	92.00	1.90	12,368.4	2,304.2	-407.9	3.19	1.91	2.55	-3.6	18.8
14,739.0	88.50	1.40	12,368.0	2,398.2	-405.2	3.78	-3.72	-0.53	-4.0	15.4
14,833.0	91.30	2.50	12,368.2	2,492.1	-402.0	3.20	2.98	1.17	-3.8	11.6
14,928.0	88.40	3.00	12,368.4	2,585.0	-397.5	3.18	-3.12	0.54	-3.6	6.8
15,020.0	88.30	2.80	12,369.1	2,678.8	-392.8	0.24	-0.11	-0.21	-0.9	1.2
15,113.0	89.90	2.90	12,370.6	2,771.7	-388.2	1.72	1.72	0.11	0.6	-4.0
15,207.0	89.10	0.40	12,371.4	2,865.7	-385.5	2.79	-0.85	-2.66	1.4	-7.3
15,301.0	88.90	2.60	12,373.0	2,959.6	-383.0	2.35	-0.21	2.34	3.1	-10.4
15,396.0	90.80	1.40	12,373.3	3,054.6	-379.7	2.37	2.00	-1.26	3.3	-14.3
15,489.0	90.70	1.10	12,372.1	3,147.5	-377.7	0.34	-0.11	-0.32	2.1	-16.9
15,582.0	91.30	359.30	12,370.5	3,240.5	-377.3	2.04	0.85	-1.94	0.5	-17.9
15,676.0	93.60	359.00	12,366.5	3,334.4	-378.7	2.36	2.34	-0.32	-3.5	-17.1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3499.0ush
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3499.0ush
Well:	#703H	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)	E/W (ush)	DLeg (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
15,769.0	80.70	358.30	12,363.1	3,427.2	-382.5	4.18	-3.01	-2.90	-6.9	-13.8	
15,862.0	89.50	355.50	12,362.9	3,520.0	-389.2	1.55	-1.29	-0.88	-7.0	-7.8	
15,956.0	89.90	354.30	12,363.4	3,613.6	-397.5	1.35	0.43	-1.28	-6.5	0.0	
16,049.0	88.70	355.30	12,364.6	3,708.2	-406.0	1.68	-1.29	1.08	-5.4	7.8	
16,141.0	88.40	357.20	12,366.9	3,768.0	-412.0	2.08	-0.33	2.07	-3.1	13.2	
16,234.0	90.50	358.10	12,367.8	3,850.0	-415.8	2.46	2.26	0.97	-2.2	18.4	
16,327.0	88.90	358.50	12,368.3	3,933.9	-418.6	1.77	-1.72	0.43	-1.7	18.8	
16,421.0	88.60	358.80	12,370.3	4,077.8	-420.8	0.45	-0.32	0.32	0.3	20.2	
16,514.0	86.60	359.20	12,374.2	4,170.6	-424.8	3.53	-2.15	-2.80	4.2	23.7	
16,608.0	87.60	357.10	12,379.0	4,264.4	-430.3	1.43	1.06	0.96	9.0	28.5	
16,702.0	88.50	0.00	12,381.4	4,358.3	-432.7	3.89	2.02	3.09	11.4	30.3	
16,797.0	94.70	2.20	12,377.9	4,453.2	-430.9	5.94	3.47	2.32	7.8	27.9	
16,890.0	92.20	1.70	12,372.3	4,545.9	-427.7	2.74	-2.69	-0.54	2.3	24.1	
16,984.0	88.60	2.50	12,371.5	4,639.9	-424.3	3.72	-3.62	0.85	1.5	20.1	
17,077.0	89.80	2.30	12,373.4	4,732.8	-420.4	0.22	0.00	-0.22	3.4	15.6	
17,171.0	89.50	2.10	12,374.8	4,826.7	-416.8	0.77	0.74	-0.21	4.8	11.4	
17,264.0	90.10	1.90	12,375.1	4,918.6	-413.5	0.88	0.65	-0.22	5.1	7.5	
17,359.0	91.40	1.80	12,373.9	5,014.6	-410.4	1.37	1.37	-0.11	3.9	3.8	
17,452.0	88.70	0.80	12,373.8	5,107.5	-408.3	3.10	-2.90	-1.08	3.8	1.1	
17,547.0	87.90	0.40	12,378.6	5,202.5	-407.3	0.94	-0.84	-0.42	6.8	-0.5	
17,641.0	89.50	1.00	12,378.8	5,298.4	-406.2	1.82	1.70	0.64	8.8	-2.2	
17,736.0	90.60	0.90	12,378.7	5,391.4	-404.6	1.16	1.16	-0.11	8.7	-4.4	
17,829.0	92.00	1.30	12,378.6	5,484.4	-402.8	1.57	1.51	0.43	6.6	-8.8	
17,922.0	89.30	1.40	12,375.5	5,577.3	-400.6	2.91	-2.80	0.11	5.5	-9.6	
18,016.0	87.90	1.00	12,377.6	5,671.3	-398.7	1.55	-1.49	-0.43	7.8	-12.2	
18,108.0	88.80	1.80	12,380.5	5,763.2	-396.3	1.38	0.98	0.98	10.5	-15.1	
18,201.0	90.70	2.20	12,380.9	5,856.2	-393.0	2.07	2.04	0.32	10.9	-18.0	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3499.0usht
Shot:	Dauntless 7 Fed.	NP Reference:	KB = 25' @ 3499.0usht
Well:	#703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usht)	Inc (°)	Adj (azimuth) (°)	TVD (usht)	NS (usht)	EW (usht)	DLeg (°/100usht)	Build (°/100usht)	Turn (°/100usht)	High to Plan (usht)	Right to Plan (usht)
18,294.0	92.50	3.30	12,378.3	5,948.0	-388.6	2.27	1.94	1.18	8.3	-24.0
18,388.0	92.60	2.50	12,374.1	6,042.8	-383.8	0.86	0.11	-0.85	4.2	-29.4
18,481.0	93.10	2.00	12,369.5	6,135.6	-380.2	0.76	0.54	-0.54	-0.5	-33.7
18,575.0	91.00	358.50	12,368.1	6,228.5	-379.8	4.34	-2.23	-3.72	-3.9	-34.7
18,668.0	88.50	358.60	12,366.5	6,322.4	-383.7	3.38	-2.69	-2.04	-3.5	-31.3
18,761.0	88.60	358.40	12,368.9	6,415.2	-369.4	0.24	0.11	-0.22	-1.1	-26.2
18,855.0	89.50	356.40	12,370.4	6,509.0	-395.3	0.96	0.96	0.00	0.4	-20.9
18,948.0	89.30	358.00	12,371.4	6,601.9	-399.8	1.73	-0.22	1.72	1.3	-17.0
18,042.0	91.80	359.50	12,370.5	6,695.8	-402.7	2.71	2.68	0.53	0.2	-14.7
19,164.0	88.60	355.50	12,370.1	6,817.6	-409.1	3.60	-2.62	-2.48	-0.3	-9.1
19,258.0	87.20	354.80	12,373.6	6,911.2	-417.0	1.86	-1.49	-0.74	3.0	-1.8
19,351.0	90.20	358.80	12,375.6	7,004.0	-423.9	3.88	3.23	2.15	5.0	4.4
19,444.0	90.90	358.80	12,374.7	7,096.8	-429.0	0.75	0.75	0.00	3.9	9.0
19,538.0	90.90	0.00	12,373.2	7,190.7	-431.7	3.40	0.00	3.40	2.3	11.0
19,632.0	87.70	0.70	12,374.4	7,284.7	-431.1	3.48	-3.40	0.74	3.4	9.9
19,726.0	89.40	0.80	12,378.8	7,378.7	-429.9	1.81	1.81	0.11	5.6	8.0
19,820.0	88.70	0.70	12,378.3	7,472.7	-428.6	0.75	-0.74	-0.11	7.0	6.2
19,914.0	88.70	0.50	12,379.6	7,566.6	-427.8	1.08	1.08	-0.21	8.2	4.8
20,007.0	89.80	2.00	12,380.1	7,659.8	-425.6	1.62	0.11	1.61	8.5	2.0
20,101.0	88.00	0.00	12,381.9	7,753.6	-424.0	2.86	-1.91	-2.13	10.2	-0.3
20,195.0	80.10	359.30	12,383.4	7,847.6	-424.6	2.35	2.23	-0.74	11.6	-0.3
20,288.0	89.90	357.10	12,383.4	7,940.5	-427.5	2.38	-0.22	-2.37	11.5	2.0
20,382.0	80.90	357.50	12,382.8	8,034.4	-431.9	1.15	1.06	0.43	10.7	5.8
20,476.0	90.50	359.20	12,381.6	8,128.4	-434.8	1.86	-0.43	1.81	9.4	7.9
20,570.0	91.20	359.30	12,380.2	8,222.3	-435.8	0.75	0.74	0.11	7.9	8.8
20,663.0	88.40	358.20	12,380.5	8,315.3	-437.9	3.23	-3.01	-1.18	8.1	10.0
20,757.0	87.60	357.80	12,383.8	8,409.2	-441.1	0.95	-0.85	-0.43	11.2	12.7



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3489.0ush
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3459.0ush
Well:	#703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey										
MD (ush)	Inc (")	Adj (azimuth) (")	TVD (ush)	NPS (ush)	EAH (ush)	DLeg ("/100ush)	Build ("/100ush)	Turn ("/100ush)	High to Plan (ush)	Right to Plan (ush)
20,849.0	50.20	359.40	12,385.6	8,501.1	-443.4	3.32	2.83	1.74	12.9	14.3
20,942.0	50.80	359.30	12,384.8	8,594.1	-444.4	0.85	0.85	-0.11	12.0	14.8
21,035.0	50.20	359.20	12,384.0	8,687.1	-445.7	0.85	-0.65	-0.11	11.0	15.4
21,129.0	91.00	1.10	12,383.0	8,781.1	-445.4	2.19	0.85	2.02	9.9	14.5
21,221.0	92.60	2.90	12,378.8	8,873.0	-442.2	2.84	2.07	1.96	6.6	10.8
21,315.0	90.50	2.10	12,378.7	8,966.8	-438.1	2.29	-2.13	-0.85	3.4	6.0
21,408.0	88.80	1.50	12,377.0	9,059.8	-434.9	2.27	-2.26	-0.22	3.5	2.2
21,500.0	83.40	359.90	12,363.2	9,151.5	-433.4	6.26	-5.87	-2.17	9.7	0.2
21,594.0	86.60	358.40	12,391.4	9,245.1	-438.5	5.03	3.40	-3.72	17.7	2.6
21,625.0	89.40	357.80	12,392.5	9,278.0	-438.0	10.10	9.03	4.52	18.8	4.0
21,667.0	91.30	359.40	12,392.1	9,338.0	-439.5	4.01	3.08	2.58	18.3	5.1
21,781.0	95.40	359.90	12,388.6	9,431.8	-440.1	4.39	4.36	0.53	12.7	5.1
21,871.0	92.60	359.30	12,380.4	9,521.6	-440.7	3.18	-3.11	-0.67	6.3	5.1
21,963.0	91.10	359.30	12,377.4	9,613.5	-441.9	1.63	-1.63	0.00	3.2	5.8
22,057.0	91.70	359.40	12,375.1	9,707.5	-442.9	0.65	0.64	0.11	0.8	6.1
22,150.0	90.80	0.60	12,373.1	9,800.5	-442.9	1.61	-0.97	1.29	-1.4	5.5
22,244.0	89.80	0.50	12,372.5	9,894.4	-442.0	0.98	-0.96	-0.11	-2.1	4.0
22,337.0	89.00	359.70	12,373.4	9,987.4	-441.9	1.29	-0.97	-0.86	-1.3	3.2
22,431.0	88.80	358.70	12,375.2	10,081.4	-443.2	1.08	-0.21	-1.08	0.3	3.9
22,488.0	89.40	359.30	12,376.1	10,138.4	-444.2	1.49	1.05	1.05	1.2	4.5
22,537.0	89.40	359.30	12,376.6	10,187.4	-444.8	0.00	0.00	0.00	1.6	4.8



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3459.0usr
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3459.0usr
Well:	#703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Design Annotations				
Measured Depth (usr)	Vertical Depth (usr)	Local Coordinates		Comments
		+N/S (usr)	+E/W (usr)	
11,798.0	11,771.9	-222.8	-425.3	KOP, MD:11798.0', TVD:11771.9', N/S:-222.8', E/W:-425.3', INC:2.26
12,043.8	12,006.1	-152.0	-418.7	FTP Crossing, MD:12043.8', TVD:12006.1', N/S:-152.0', E/W:-418.7', INC:29.68
22,488.0	12,376.1	10,138.4	-444.2	Last MWD Survey (MD=22488.0')
22,537.0	12,376.6	10,187.4	-444.8	Projection to B3 (MD=22537.0')

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 #703H

Plan #1

PROJECT DETAILS: Lea County NM (NAD 83 NME)

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

WELL DETAILS: #703H

KB = 25' @ 3479.0m
Northing 41490.00 Easting 76622.00 Latitude 32° 5' 18.762 N Longitude 107° 35' 17.375 W



Adjustments to Grid North
True North: -0.37°
Magnetic North: 8.45°
Magnetic Field
Strength: 47783.5nT
Dip Angle: 91.86°
Date: 07/17/2018
Model: IGRF 2015

To convert a Magnetic Direction to a Grid Direction, Add 8.45°
To convert a Magnetic Direction to a True Direction, Add 0.37° East
To convert a True Direction to a Grid Direction, Subtract 8.32°

SECTION DETAILS

MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeal	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2400.0	0.00	0.00	2400.0	0.0	0.0	0.00	0.00	0.0	
2650.1	5.00	241.58	2649.8	-5.2	-9.6	2.00	241.55	-4.8	
7264.1	5.00	241.58	7246.2	-199.8	-363.4	0.00	0.00	-181.0	
7514.2	0.00	0.00	7498.0	-202.0	-373.0	2.00	180.00	-185.7	
11910.7	0.00	0.00	11892.5	-202.0	-373.0	0.00	0.00	-185.7	
12660.7	90.00	359.63	12370.0	275.5	-376.1	12.00	359.63	291.4	
18902.5	90.00	359.63	12370.0	6517.1	-416.3	0.00	0.00	6529.0	TGT#1 (Dauntless 7 Fed #703H)
18906.4	89.92	359.63	12370.0	6521.0	-418.3	2.00	180.00	6532.9	
22582.5	89.92	359.63	12375.0	10197.0	-440.0	0.00	0.00	10206.5	PBHL (Dauntless 7 Fed #703H)

CASING DETAILS

No casing data is available

WELLSITE TARGET DETAILS (NAD 83 COORDINATES)

Name	TVD	KB	+E-W	Northing	Easting
Dauntless 7 Fed #703H	7264.0	-222.0	-373.0	41490.00	76622.00
TGT#1 (Dauntless 7 Fed #703H)	12370.0	-182.0	-373.0	41490.00	76622.00
TGT#2 (Dauntless 7 Fed #703H)	12370.0	6517.1	-418.3	41490.00	76622.00
PBHL (Dauntless 7 Fed #703H)	12375.0	10197.0	-440.0	41490.00	76622.00

