

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCB
HOBBS
HOBBS OCB

DEC 10 2019

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

WELL COMPLETION OR RECOMPLETION REPORT

RECEIVED

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 705H	
3. Address PO BOX 2267 MIDLAND, TX 79702		9. API Well No. 30-025-45594	
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)* Sec 7 T25S R33E Mer NMP At surface SWSE 250FSL 1648FEL 32.138545 N Lat, 103.608162 W Lon Sec 7 T25S R33E Mer NMP At top prod interval reported below SWSE 465FSL 1793FEL 32.139138 N Lat, 103.608630 W Lon Sec 6 T25S R33E Mer NMP At total depth NWNE 108FNL 1680FEL 32.166587 N Lat, 103.608256 W Lon		11. Sec., T., R., M., or Block and Survey or Area Sec 7 T25S R33E Mer NMP	
14. Date Spudded 05/27/2019		15. Date T.D. Reached 07/19/2019	
16. Date Completed ☐ D & A ☒ Ready to Prod. 10/31/2019		17. Elevations (DF, KB, RT, GL)* 3484 GL	
18. Total Depth: MD 22639 TVD 12396		19. Plug Back T.D.: MD 22639 TVD 12396	
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		1197		590		0	
8.750	7.625 HCP-110	29.7		11750		1839		0	
6.750	5.500 ICYP110	20.0		19903		945		6790	

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	12616	22639	12616 TO 22639	3.250	2970	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
12616 TO 22639	26,316,990 LBS PROPPANT, 474,821 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
10/31/2019	11/10/2019	24	→	3609.0	8062.0	8031.0	45.0		FLWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
56	SI	2550.0	→				2234		

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 #492231 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation due: 04/30/2020

ACCEPTED 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	1034		BARREN	RUSTLER	1034
T/SALT	1378		BARREN	T/SALT	1378
B/SALT	4910		BARREN	B/SALT	4910
BRUSHY CANYON	7558		OIL & GAS	BRUSHY CANYON	7558
1ST BONE SPRING SAND	10039		OIL & GAS	1ST BONE SPRING SAND	10039
2ND BONE SPRING SAND	10565		OIL & GAS	2ND BONE SPRING SAND	10565
3RD BONE SPRING SAND	11831		OIL & GAS	3RD BONE SPRING SAND	11831
WOLFCAMP	12261		OIL & GAS	WOLFCAMP	12261

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 #492231 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 30-025-45594	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 #705H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3484'

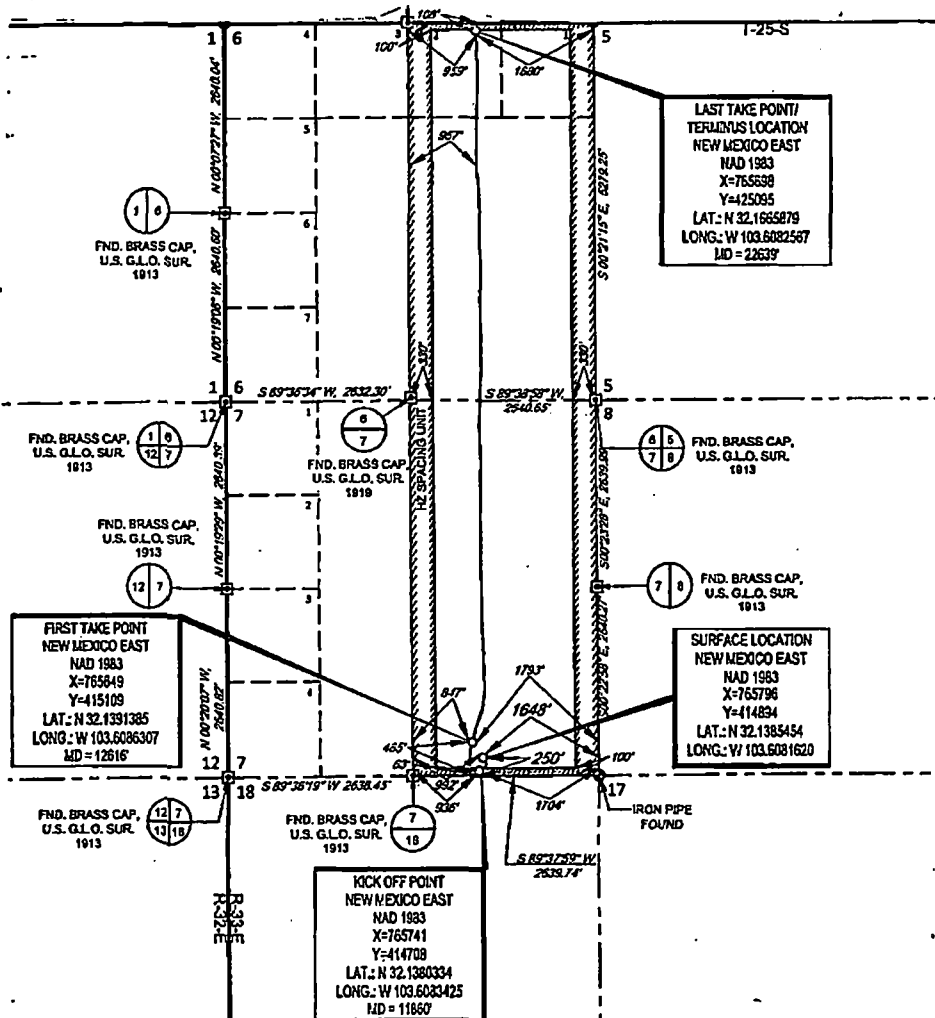
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	7	25-S	33-E	-	250'	SOUTH	1648'	EAST	LEA

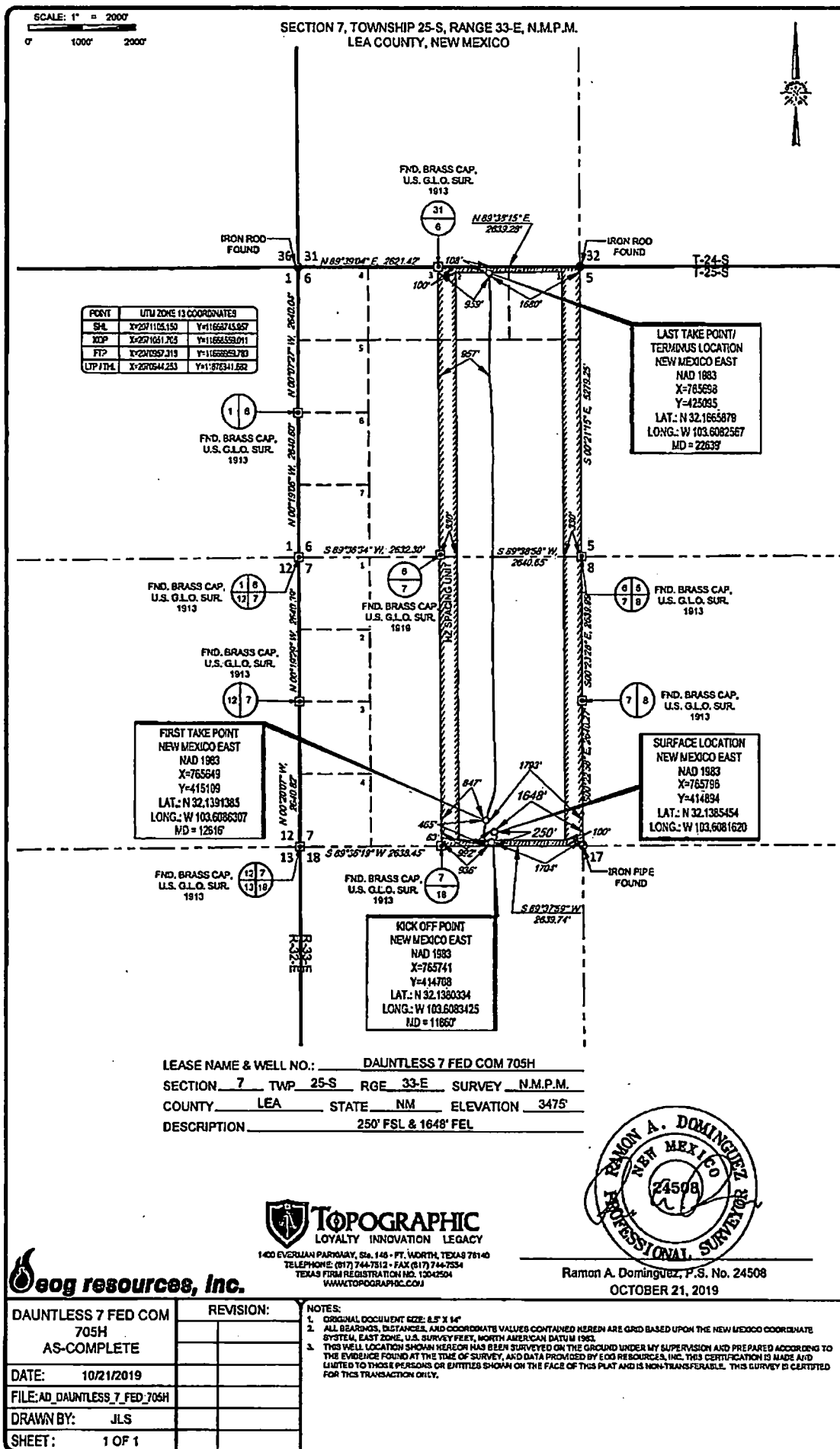
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	6	25-S	33-E	-	108'	NORTH	1680'	EAST	LEA

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.



17 OPERATOR 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 unless 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.	
<i>Kay Maddox</i>	11/04/2019
Signature	Date
KAY MADDOX	
Printed Name	
E-mail Address	
18 SURVEYOR 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
MICHAEL B. BROWN	
NEW MEXICO	
18329	
PROFESSIONAL SURVEYOR	
Certificate Number	





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dauntless 7 Fed

#705H

OH

Design: OH

Midland PVA

22 July, 2019



Midland PVA

Company:	EOG Resources - Midland		Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)		TVD Reference:	KB = 22 @ 3506.0usft
Site:	Dauntless 7 Fed		MD Reference:	KB = 22 @ 3506.0usft
Well:	#705H		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:	762,793.00 usft	Longitude:	103° 37' 4.285 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.38 °

Well	#705H					
Well Position	+N-S	0.0 usft	Northing:	414,894.00 usft	Latitude:	32° 8' 18.762 N
	+E-W	0.0 usft	Easting:	765,798.00 usft	Longitude:	103° 36' 29.382 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level:	3,484.0 usft

Wellbore	CH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2015	8/17/2018	6.84	59.96	47,763.17043974

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	359.62	

Survey Program	Date 7/22/2019			
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
242.0	22,839.0	Newco MWD (OH)	MWD	OWSG MWD - Standard



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB # 22 @ 3508.0ush
Site:	Dauntless 7 Fed	MD Reference:	KB # 22 @ 3508.0ush
Well:	#705H	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)	E/W (ush)	DLeg (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
242.0	0.50	269.70	242.0	0.0	-1.1	0.21	0.21	0.00	-1.1	0.0
425.0	0.30	247.20	425.0	-0.2	-2.3	0.14	-0.11	-12.30	-2.2	-0.7
608.0	0.40	281.00	608.0	-0.3	-3.4	0.12	0.05	18.47	-3.3	0.9
802.0	0.20	231.10	802.0	-0.3	-4.3	0.16	-0.10	-25.72	-3.6	-2.4
991.0	0.20	282.40	991.0	-0.5	-4.9	0.09	0.00	27.14	-4.7	1.5
1,085.0	0.30	258.30	1,085.0	-0.5	-5.3	0.15	0.11	-25.64	-5.3	-0.6
1,258.0	0.30	295.60	1,258.0	-0.4	-6.1	0.11	0.00	21.81	-5.3	3.0
1,445.0	0.40	247.40	1,445.0	-0.4	-7.2	0.16	0.05	-25.50	-6.8	-2.4
1,634.0	0.10	345.20	1,634.0	-0.5	-7.8	0.23	-0.16	51.75	-1.5	7.7
1,822.0	0.20	50.30	1,822.0	-0.2	-7.6	0.10	0.05	34.63	6.0	4.7
1,917.0	0.30	7.40	1,917.0	0.2	-7.5	0.22	0.11	-45.16	0.8	7.4
2,108.0	0.60	20.10	2,108.0	1.6	-7.0	0.17	0.16	8.72	0.9	7.2
2,295.0	0.60	2.80	2,295.0	3.5	-8.7	0.10	0.00	-9.15	-3.2	6.8
2,484.0	1.00	354.80	2,483.9	6.2	-8.8	0.22	0.21	-4.23	-6.8	6.2
2,674.0	1.10	349.70	2,673.9	9.6	-7.2	0.07	0.05	-2.68	-10.7	5.4
2,862.0	1.50	357.80	2,861.9	13.8	-7.7	0.23	0.21	4.31	-14.1	7.1
3,051.0	1.80	15.40	3,050.6	19.2	-7.0	0.31	0.16	8.31	-16.8	11.8
3,240.0	1.10	281.20	3,239.7	21.8	-8.0	1.30	-0.37	-60.42	-4.5	-22.7
3,429.0	1.20	276.80	3,428.7	21.7	-11.7	0.17	0.05	8.15	-14.1	-20.2
3,617.0	1.40	280.20	3,616.7	22.3	-15.9	0.11	0.11	1.91	-18.6	-19.2
3,807.0	0.70	312.00	3,806.6	23.5	-19.1	0.47	-0.37	16.74	-29.9	-4.7
3,996.0	0.60	347.20	3,995.6	25.3	-20.2	0.21	-0.05	18.62	-29.1	14.1
4,185.0	1.00	323.00	4,184.6	27.6	-21.4	0.27	0.21	-12.80	-34.9	0.5
4,374.0	1.10	57.20	4,373.8	29.9	-20.8	0.81	0.05	49.84	1.3	36.4
4,563.0	2.20	108.20	4,562.5	29.7	-15.9	0.92	0.58	28.98	24.3	23.3
4,751.0	6.80	135.70	4,749.9	20.6	-4.7	2.83	2.45	14.63	18.0	11.1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22 @ 3508.0usft
Site:	Dawson 7 Fed	MO Reference:	KB = 22 @ 3508.0usft
Well:	#705H	North Reference:	Gild
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (")	Adj (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	D/Leg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)
4,941.0	6.70	138.70	4,938.8	4.2	10.5	0.19	-0.05	1.58	-3.7	10.7
5,130.0	6.40	136.60	5,126.3	-11.7	25.0	0.20	-0.16	-1.11	-25.4	10.5
5,320.0	7.60	135.40	5,314.9	-30.8	37.5	1.35	0.63	0.89	-34.6	25.5
5,509.0	8.60	169.10	5,502.1	-56.1	45.4	1.15	0.53	7.25	-35.2	33.7
5,698.0	8.50	165.50	5,689.0	-83.5	51.6	0.29	-0.05	-1.80	-46.6	41.5
5,888.0	1.20	251.80	5,878.3	-97.7	53.2	4.48	-3.84	45.42	41.8	44.4
6,078.0	1.30	233.40	6,068.2	-99.6	49.6	0.22	0.05	-9.68	33.5	38.9
6,267.0	1.30	236.60	6,257.2	-102.1	46.1	0.04	0.00	1.69	42.2	20.7
6,456.0	1.30	245.30	6,446.1	-104.2	42.3	0.10	0.00	4.60	49.0	-3.5
6,646.0	2.30	185.50	6,636.0	-108.8	39.9	1.04	0.53	-30.95	43.2	38.1
6,835.0	2.70	189.90	6,824.8	-117.0	38.8	0.23	0.21	1.80	56.5	30.4
7,024.0	2.40	188.30	7,013.7	-125.1	36.7	0.25	-0.16	4.44	70.6	16.4
7,213.0	2.30	196.60	7,202.5	-132.5	34.4	0.06	-0.05	-0.90	73.0	15.2
7,403.0	2.40	209.30	7,392.4	-139.7	31.4	0.28	0.05	6.68	67.6	-0.8
7,591.0	2.50	208.20	7,580.2	-146.8	27.6	0.09	0.05	-1.85	59.5	2.6
7,780.0	2.20	201.80	7,769.0	-153.8	24.5	0.19	-0.16	-2.33	51.4	8.9
7,969.0	1.80	198.00	7,957.9	-160.0	22.2	0.22	-0.21	-2.01	44.2	10.0
8,159.0	1.80	194.60	8,147.8	-165.8	20.5	0.06	0.00	-1.79	37.6	12.5
8,347.0	1.80	195.30	8,335.7	-171.5	19.0	0.01	0.00	0.37	31.8	12.0
8,537.0	1.80	197.50	8,525.6	-177.2	17.3	0.04	0.00	1.16	26.3	10.9
8,726.0	1.80	203.20	8,714.5	-182.7	15.3	0.09	0.00	3.02	21.4	8.6
8,915.0	1.60	211.30	8,903.5	-187.7	12.7	0.17	-0.11	4.29	16.8	5.8
9,104.0	1.50	216.50	9,092.4	-192.0	9.9	0.09	-0.05	2.75	12.1	4.6
9,293.0	1.10	247.80	9,281.3	-194.8	6.7	0.42	-0.21	18.61	8.8	-1.1
9,482.0	2.20	250.70	9,470.3	-196.5	1.6	0.58	0.58	1.48	3.3	-1.5
9,671.0	2.10	228.00	9,659.1	-200.0	-4.4	0.45	-0.05	-12.01	-3.2	-1.5
9,860.0	2.10	270.20	9,848.0	-202.3	-10.4	0.80	0.00	22.33	-9.4	3.4



Midland PVA

Company:	EOG Resources - Midland	Local Coordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NMS)	TVD Reference:	KB = 22 @ 3508.0ush
Site:	Dauntless 7 Fed	MD Reference:	KB = 22 @ 3508.0ush
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (ush)	Inc (°)	Asc (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	OLag (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
10,049.0	3.30	289.80	10,038.8	-200.8	-19.0	0.78	0.63	9.84	-18.5	7.3	
10,238.0	2.80	284.20	10,225.5	-197.8	-28.8	0.25	-0.21	-2.43	-27.3	5.5	
10,427.0	2.80	270.70	10,414.3	-188.4	-37.7	0.38	-0.16	-7.14	-38.8	-2.1	
10,522.0	1.50	338.20	10,509.3	-195.2	-40.3	2.58	-1.18	71.05	-18.1	35.1	
10,618.0	1.00	355.80	10,603.2	-193.3	-40.9	0.66	-0.53	18.72	-8.8	39.3	
10,711.0	0.80	42.60	10,698.2	-182.0	-40.5	0.78	-0.21	48.26	21.5	33.8	
10,805.0	0.80	45.70	10,792.2	-191.0	-39.6	0.05	0.00	3.30	22.0	32.6	
10,900.0	0.80	8.30	10,887.2	-189.8	-39.0	0.54	0.00	-39.37	-3.5	38.9	
11,089.0	1.20	343.80	11,076.2	-188.7	-39.3	0.31	0.21	-12.96	-22.5	33.4	
11,279.0	1.80	289.80	11,268.1	-183.8	-42.7	0.77	0.32	-28.42	-44.4	-0.2	
11,468.0	1.20	282.40	11,453.1	-182.0	-47.3	0.32	-0.32	1.38	-49.3	2.0	
11,657.0	0.40	245.50	11,644.0	-181.5	-49.8	0.51	-0.42	-24.81	-37.1	-36.1	
11,704.0	1.70	214.20	11,691.0	-182.2	-50.3	2.92	2.77	-68.60	-13.8	-50.2	
11,777.0	2.00	218.00	11,764.0	-184.1	-51.7	0.44	0.41	5.21	-19.4	-49.1	
11,872.0	3.60	238.40	11,858.9	-187.0	-55.2	1.91	1.68	19.37	-38.5	-40.0	
11,920.0	12.30	250.20	11,906.4	-189.6	-61.3	18.43	18.12	28.75	-53.3	-29.6	
11,968.0	21.00	258.90	11,852.3	-193.0	-74.8	18.81	18.12	18.12	-71.4	-17.6	
12,083.0	29.70	285.10	12,038.6	-188.2	-112.9	18.32	9.18	38.11	-93.4	62.1	
12,111.0	32.00	311.50	12,079.9	-172.7	-133.2	18.11	4.79	34.17	-83.0	103.1	
12,158.0	37.10	323.70	12,118.6	-153.0	-151.0	18.24	10.85	25.96	-67.4	133.9	
12,184.0	41.50	329.10	12,138.7	-139.3	-160.0	21.42	16.92	20.77	-58.5	147.6	
12,252.0	46.30	341.40	12,187.8	-96.8	-179.5	14.37	7.06	18.09	-41.4	172.9	
12,347.0	58.20	1.80	12,248.2	-22.9	-189.3	21.00	12.53	21.47	-10.8	187.4	
12,385.0	62.70	10.00	12,269.9	18.5	-184.9	17.56	9.37	17.08	-5.8	183.8	
12,441.0	62.40	10.20	12,291.2	58.7	-177.8	0.78	-0.85	0.43	-9.3	176.5	
12,536.0	62.80	10.10	12,334.8	141.8	-182.9	0.53	0.53	-0.11	-2.8	160.5	
12,630.0	71.50	15.00	12,371.2	228.2	-144.0	10.33	9.15	5.21	14.7	139.5	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NINE)	TVD Reference:	KB # 22 @ 3506.0usd
Site:	Dauntless 7 Fed	NO Reference:	KB # 22 @ 3506.0usd
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usd)	Inc (°)	Azi (azimuth) (°)	TVD (usd)	N/S (usd)	E/W (usd)	DLeg (°/100usd)	Bulld (°/100usd)	Turn (°/100usd)	High to Plan (usd)	Right to Plan (usd)	
12,725.0	87.60	15.70	12,388.4	316.0	-119.3	18.98	18.95	0.74	18.9	114.7	
12,819.0	96.00	15.80	12,385.4	406.4	-83.8	8.94	8.94	0.11	11.7	89.2	
12,813.0	98.70	18.80	12,375.0	495.5	-68.0	3.26	0.74	3.19	1.0	60.7	
13,007.0	93.00	16.50	12,367.1	584.8	-37.7	4.63	-3.94	-2.45	-5.4	31.5	
13,102.0	90.80	15.80	12,363.9	678.0	-11.3	2.43	-2.32	-0.74	-8.1	4.5	
13,188.0	87.00	9.20	12,365.7	767.7	8.1	8.10	-4.04	-7.02	-8.5	-16.2	
13,280.0	87.80	4.10	12,370.0	860.9	18.9	5.49	0.85	-5.43	-2.2	-27.8	
13,385.0	87.90	0.80	12,373.6	955.7	24.0	3.47	0.11	-3.47	1.3	-32.4	
13,479.0	87.70	358.60	12,377.2	1,049.7	23.5	2.35	-0.21	-2.34	4.9	-32.6	
13,574.0	88.30	359.10	12,380.5	1,144.6	21.8	0.82	0.63	0.53	8.1	-31.3	
13,669.0	87.20	358.50	12,384.2	1,239.5	19.6	1.32	-1.18	-0.63	11.7	-28.8	
13,763.0	90.90	358.30	12,385.8	1,333.4	17.0	3.94	3.94	-0.21	13.1	-27.9	
13,858.0	91.00	357.80	12,384.2	1,428.3	13.8	0.54	0.11	-0.53	11.5	-25.3	
13,952.0	90.10	357.10	12,383.3	1,522.2	8.6	1.21	-0.98	-0.74	10.5	-21.7	
14,047.0	92.10	356.20	12,381.5	1,617.1	4.0	2.31	2.11	-0.95	8.5	-16.7	
14,142.0	92.00	355.40	12,378.1	1,711.7	-2.9	0.85	-0.11	-0.84	5.0	-10.4	
14,238.0	91.80	358.80	12,375.0	1,805.6	-7.7	3.62	-0.21	3.62	1.8	-6.2	
14,331.0	91.50	359.20	12,372.2	1,900.5	-8.3	0.53	-0.32	0.42	-1.0	-5.2	
14,425.0	88.90	359.30	12,371.9	1,994.5	-10.6	2.77	-2.77	0.11	-1.5	-4.8	
14,520.0	89.80	359.60	12,373.0	2,088.5	-11.5	1.00	0.95	0.32	-0.5	-4.3	
14,614.0	92.70	0.30	12,370.9	2,183.4	-11.6	3.17	3.09	0.74	-2.7	-4.8	
14,708.0	88.70	359.00	12,371.4	2,277.4	-12.1	6.53	-8.38	-1.38	-2.3	-4.8	
14,803.0	88.70	358.80	12,378.9	2,372.2	-14.0	0.21	0.00	-0.21	3.1	-3.6	
14,897.0	88.70	359.50	12,380.7	2,466.1	-15.3	2.25	2.13	0.74	8.8	-2.8	
14,992.0	88.00	358.30	12,383.4	2,561.1	-17.2	1.46	-0.74	-1.26	9.4	-1.6	
15,088.0	91.40	359.00	12,383.9	2,655.0	-19.4	3.69	3.62	0.74	9.8	0.0	
15,180.0	92.60	358.60	12,389.8	2,748.9	-21.3	1.35	1.28	-0.43	8.4	1.4	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22 @ 3508.0ush
Site:	Dauntless 7 Fed	NO Reference:	KB = 22 @ 3508.0ush
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (ush)	Inc (°)	Asl (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	DLog (°/100ush)	Bulld (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
15,275.0	91.00	358.30	12,377.6	2,843.9	-23.9	1.71	-1.68	-0.32	3.3	3.3	
15,369.0	88.90	359.60	12,377.7	2,937.9	-25.8	2.83	-2.23	1.38	3.3	4.4	
15,463.0	89.00	359.80	12,379.4	3,031.8	-26.1	0.24	0.11	0.21	4.9	4.3	
15,558.0	89.10	359.70	12,381.0	3,126.8	-26.5	0.15	0.11	-0.11	6.4	4.1	
15,651.0	88.40	0.00	12,383.0	3,219.8	-26.8	0.82	-0.75	0.32	8.3	3.8	
15,746.0	90.10	358.00	12,384.3	3,314.8	-27.6	2.08	1.79	-1.05	9.4	4.0	
15,840.0	92.80	358.30	12,381.9	3,408.7	-29.0	2.89	2.87	0.32	6.9	4.8	
15,933.0	89.80	359.20	12,379.7	3,503.7	-30.3	3.16	-3.16	-0.11	4.7	5.4	
16,029.0	89.50	0.10	12,380.3	3,597.7	-30.8	1.01	-0.32	0.96	5.1	5.4	
16,123.0	92.20	0.70	12,378.9	3,691.7	-30.2	2.84	2.87	0.64	3.6	4.1	
16,218.0	92.50	1.40	12,375.0	3,788.6	-28.4	0.80	0.32	0.74	-0.4	1.8	
16,313.0	88.60	0.80	12,374.1	3,881.5	-26.6	4.15	-4.11	-0.63	-1.4	-0.7	
16,407.0	87.60	2.20	12,377.2	3,975.4	-24.2	1.63	-1.06	1.49	1.8	-3.7	
16,502.0	88.10	2.20	12,380.8	4,070.3	-20.5	0.53	0.53	0.00	5.1	-8.0	
16,596.0	89.00	358.30	12,383.2	4,164.2	-20.1	4.28	0.98	-4.15	7.4	-9.0	
16,690.0	89.20	357.60	12,384.7	4,258.2	-23.5	0.77	0.21	-0.74	8.7	-8.3	
16,785.0	90.30	357.40	12,385.1	4,353.1	-27.6	1.18	1.16	-0.21	9.0	-2.7	
16,880.0	91.20	356.60	12,383.8	4,447.9	-32.3	1.08	0.95	-0.53	7.7	1.4	
16,975.0	93.00	358.10	12,380.3	4,542.8	-38.5	2.28	1.89	1.26	4.1	4.9	
17,069.0	93.40	359.20	12,375.1	4,638.6	-38.7	1.24	0.43	1.17	-1.2	6.5	
17,164.0	91.50	1.90	12,369.8	4,731.5	-37.5	2.64	-1.52	2.16	-8.7	4.5	
17,258.0	89.80	2.60	12,369.0	4,823.4	-33.0	2.82	-2.66	0.94	-7.5	1.8	
17,353.0	87.60	1.30	12,371.2	4,920.3	-31.9	2.64	-2.32	-1.26	-5.5	-2.1	
17,447.0	88.20	1.30	12,374.8	5,014.3	-29.7	0.64	0.84	0.60	-2.1	-4.6	
17,542.0	88.80	1.30	12,377.1	5,109.2	-27.6	0.63	0.63	0.00	0.2	-7.8	
17,636.0	90.20	1.70	12,377.9	5,203.2	-25.1	1.53	1.49	0.43	1.0	-10.7	
17,730.0	90.30	0.80	12,377.5	5,297.1	-23.1	0.98	0.11	-0.96	0.4	-13.3	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NMS)	TVD Reference:	KB = 22 @ 3506.0ush
Site:	Dauntless 7 Fed	MD Reference:	KB = 22 @ 3506.0ush
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (ush)	Inc (°)	Azi (azi/mush) (°)	TVD (ush)	N/S (ush)	E/W (ush)	DLag (°/100ush)	Buid (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
17,825.0	92.10	1.40	12,373.5	5,392.1	-21.3	2.00	1.29	0.63	-1.6	-15.8
17,920.0	89.80	0.30	12,374.0	5,487.1	-19.8	2.68	-2.42	-1.16	-3.3	-17.8
18,015.0	85.00	0.00	12,378.3	5,581.9	-19.6	-8.06	-5.05	-0.32	0.9	-18.7
18,110.0	86.20	0.80	12,385.6	5,676.6	-18.9	1.52	1.28	0.84	8.0	-19.9
18,204.0	87.20	1.10	12,391.0	5,770.5	-17.4	1.11	1.06	0.32	13.3	-22.1
18,289.0	87.90	359.20	12,395.0	5,865.4	-17.1	2.13	0.74	-2.00	17.3	-22.8
18,394.0	92.10	359.10	12,395.0	5,960.4	-18.5	4.42	4.42	-0.11	17.2	-22.2
18,488.0	92.40	358.70	12,391.3	6,054.3	-20.3	0.53	0.32	-0.43	13.4	-21.0
18,582.0	93.80	359.20	12,388.3	6,148.1	-22.1	1.58	1.49	0.53	8.2	-19.8
18,677.0	93.00	358.70	12,380.6	6,242.9	-23.8	0.99	-0.84	-0.53	2.5	-18.7
18,772.0	92.30	358.30	12,376.2	6,337.8	-26.3	0.85	-0.74	-0.42	-2.0	-18.8
18,866.0	88.90	0.00	12,374.4	6,431.7	-27.7	3.13	-2.55	1.81	-3.9	-16.0
18,961.0	90.70	0.80	12,373.9	6,526.7	-27.0	1.18	0.84	0.84	-4.5	-17.3
19,055.0	88.90	1.20	12,374.3	6,620.7	-25.4	1.96	-1.91	0.43	-4.3	-18.6
19,150.0	88.60	2.00	12,376.3	6,715.7	-22.7	0.80	-0.32	0.84	-2.4	-22.8
19,245.0	87.10	359.80	12,379.9	6,810.6	-21.2	2.80	-1.58	-2.32	1.1	-24.9
19,340.0	89.90	358.30	12,382.4	6,905.5	-22.8	3.34	2.95	-1.58	3.5	-24.0
19,435.0	90.60	358.30	12,382.0	7,000.5	-25.6	0.74	0.74	0.00	3.0	-21.8
19,530.0	90.50	358.00	12,381.1	7,095.4	-28.7	0.33	-0.11	-0.32	2.0	-19.3
19,624.0	89.00	358.10	12,381.5	7,189.4	-31.9	1.60	-1.60	0.11	2.3	-16.7
19,719.0	90.20	358.60	12,382.1	7,284.3	-34.6	1.37	1.28	0.53	2.9	-14.6
19,814.0	91.50	0.00	12,378.1	7,378.2	-35.8	3.77	3.47	1.47	-0.3	-14.0
19,977.0	87.20	358.20	12,378.1	7,542.1	-38.3	4.02	-3.87	-1.10	-1.4	-12.5
20,017.0	88.40	357.80	12,379.3	7,582.1	-39.7	5.59	5.50	-1.00	-0.3	-11.4
20,088.0	84.50	358.30	12,382.0	7,633.0	-41.5	9.68	-9.61	0.88	2.4	-10.0
20,223.0	84.30	356.40	12,397.1	7,787.1	-48.6	1.23	-0.13	-1.23	17.4	-3.9
20,288.0	88.40	0.40	12,401.1	7,848.9	-50.4	9.08	6.51	6.35	21.3	-2.5



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well 9705H
Project:	Lea County/NH (NAD 83 NME)	TVD Reference:	KB = 22 @ 3506.0usft
Site:	Dauntless 7 Fed.	MD Reference:	KB = 22 @ 3506.0usft
Well:	9705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD. (usft)	Inc (")	Asz (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	D/Lag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
20,414.0	91.20	357.80	12,401.5	7,877.8	-32.4	2.89	2.19	-2.03	21.8	-1.3	
20,571.0	90.20	349.60	12,399.6	8,133.7	-69.6	5.26	-0.64	-5.22	19.7	14.7	
20,665.0	93.10	353.40	12,398.9	8,226.6	-83.5	5.08	3.09	4.04	17.0	28.1	
20,760.0	92.00	0.00	12,392.7	8,321.3	-88.9	7.04	-1.16	6.95	12.4	33.0	
20,855.0	91.60	359.20	12,389.7	8,416.3	-89.6	0.94	-0.42	-0.84	9.4	33.1	
20,950.0	91.30	1.30	12,387.3	8,511.3	-89.2	2.23	-0.32	2.21	6.9	32.1	
21,044.0	90.30	0.10	12,388.0	8,605.2	-88.0	1.66	-1.08	-1.28	5.5	30.3	
21,138.0	91.80	1.00	12,384.3	8,699.2	-87.1	1.86	1.60	0.96	3.7	28.8	
21,232.0	87.40	358.30	12,385.6	8,889.1	-88.3	2.72	-2.32	-1.42	4.8	28.7	
21,423.0	91.10	2.30	12,386.8	8,984.1	-87.8	5.73	3.89	4.21	6.0	27.6	
21,518.0	91.20	2.60	12,384.9	9,079.0	-83.7	0.33	0.11	0.32	4.0	22.9	
21,612.0	90.00	1.10	12,383.9	9,172.9	-80.7	2.04	-1.28	-1.60	2.9	19.3	
21,707.0	91.20	2.90	12,383.0	9,267.9	-77.4	2.28	1.26	1.89	1.8	15.4	
21,801.0	92.40	1.80	12,380.0	9,361.7	-73.5	1.73	1.28	-1.17	-1.2	10.9	
21,896.0	90.80	0.40	12,377.3	9,456.7	-71.7	2.24	-1.68	-1.47	-4.0	8.5	
21,991.0	88.70	0.80	12,377.8	9,551.7	-70.7	2.25	-2.21	0.42	-3.8	6.9	
22,086.0	87.50	358.20	12,380.9	9,646.8	-70.7	2.10	-1.26	-1.68	-0.6	6.3	
22,180.0	87.60	358.30	12,384.9	9,740.5	-72.8	0.98	0.11	-0.96	3.4	7.7	
22,275.0	87.50	356.90	12,389.0	9,835.3	-76.7	1.48	-0.11	-1.47	7.3	11.1	
22,368.0	88.30	356.40	12,392.4	9,928.1	-82.2	1.01	0.88	-0.54	10.6	15.9	
22,462.0	88.90	357.10	12,394.7	10,021.9	-87.5	0.98	0.64	0.74	12.9	20.6	
22,556.0	89.80	356.50	12,395.9	10,115.8	-92.7	0.98	0.74	-0.64	14.0	25.3	
22,639.0	89.60	356.50	12,396.5	10,198.6	-87.8	0.00	0.00	0.00	14.5	29.8	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22 @ 3506.0ush
Site:	Dauntless 7 Fed	MD Reference:	KB = 22 @ 3506.0ush
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Design Annotations				
Measured Depth (ush)	Vertical Depth (ush)	Local Coordinates		Comment
		+N/S (ush)	+E/W (ush)	
11,860.0	11,848.9	-166.8	-34.6	KOP, MD:11860.0', TVD:11846.9', N/S:-166.8', E/W:-34.6', INC:3.39
12,186.1	12,125.0	-149.0	-153.8	FTP Crossing, MD:12166.1', TVD:12125.0', N/S:-149.0', E/W:-153.8', INC:38.44
22,556.0	12,393.9	10,115.8	-92.7	Last MWD Survey (MD=22556.0')
22,639.0	12,396.5	10,198.6	-97.8	Projection to Bit (MD=22639.0')

Checked By: _____	Approved By: _____	Date: _____
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I certify this survey to be true and correct to the best of my belief and knowledge.

Kay Maddox 11/12/2019
Signed Date



Lea County, NM (NAD 83-NME)

Dauntless 7 Fed #705H

Plan #2

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

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Elevation: GRS 1960
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #705H

Northing: 41484.00 Easting: 763796.50 3494.0
Latitude: 32° 2' 18.762 N Longitude: 102° 36' 23.382 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dlog	TFace	V-Sect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5078.0	0.00	0.00	5078.0	0.0	0.0	0.00	0.00	0.0	
3	5377.9	6.00	180.29	5377.4	-15.7	-0.1	2.00	180.29	-15.7	
4	6981.9	6.00	180.29	6972.6	-183.3	-0.9	0.00	0.00	-183.3	
5	7281.9	0.00	0.00	7272.0	-199.0	-1.0	2.00	180.00	-199.0	
6	11903.9	0.00	0.00	11894.0	-199.0	-1.0	0.00	0.00	-199.0	
7	12653.3	89.94	359.63	12371.5	277.9	-4.1	12.00	359.63	277.9	
8	19385.4	89.94	359.63	12379.0	7009.8	-47.4	0.00	0.00	7010.0	TGT#1(DL 7 Fed #705H)
9	19385.9	89.95	359.63	12379.0	7010.3	-47.4	2.00	0.00	7010.5	
10	22575.6	89.95	359.63	12382.0	10200.0	-68.0	0.00	0.00	10200.2	PBHL(DL 7 Fed #705H)

CASING DETAILS

No casing data is available

WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Dauntless Top(DL 7 Fed #705H)	7700.0	-199.0	-4.0	41484.00	763796.50
TGT#1(DL 7 Fed #705H)	12379.0	-47.4	-0.9	41474.00	763796.50
PBHL(DL 7 Fed #705H)	12382.0	-68.0	-4.0	41474.00	763796.50

