

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

HOBBBS OGD
NMOCD OGD
DEC 11 2019
RECEIVED

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 550FEL 32.138544 N Lat, 103.604614 W Lon
Sec 7 T25S R33E Mer NMP
At top prod interval reported below SESE 641FSL 354FEL 32.139621 N Lat, 103.603980 W Lon
Sec 6 T25S R33E Mer NMP
At total depth NENE 127FNL 342FEL 32.166535 N Lat, 103.603931 W Lon

5. Lease Serial No.
NNNM122619

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
DAUNTLESS 7 FEDERAL 701H

9. API Well No.
30-025-45590

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

14. Date Spudded
05/25/2019

15. Date T.D. Reached
07/01/2019

16. Date Completed
☐ D & A ☒ Ready to Prod.
11/01/2019

17. Elevations (DF, KB, RT, GL)*
3473 GL

18. Total Depth: MD 22445
TVD 12394

19. Plug Back T.D.: MD 22445
TVD 12394

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		1345		440		0	
8.750	7.625 HCP-110	29.7		11707		1656		0	
6.750	5.500 ICYP110	20.0		22430		980		11800	

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	12640	22445	12640 TO 22445	3.250	2040	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
12640 TO 22445	25,297,437 LBS PROPPANT, 374,065 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	→	3461.0	7491.0	9116.0	45.0		ACCEPTE FOR RECORD
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	SI	2850.0	→				2165	POW	NOV 14 2019

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
			→						BUREAU OF LAND MANAGEMENT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						ROSWELL FIELD OFFICE

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

ELECTRONIC SUBMISSION #492241 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation due: 05/01/2020

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	1036		BARREN	RUSTLER	1036
T/SALT	1355		BARREN	T/SALT	1355
B/SALT	4786		BARREN	B/SALT	4786
BRUSHY CANYON	7614		OIL & GAS	BRUSHY CANYON	7614
1ST BONE SPRING SAND	10104		OIL & GAS	1ST BONE SPRING SAND	10104
2ND BONE SPRING SAND	10670		OIL & GAS	2ND BONE SPRING SAND	10670
3RD BONE SPRING SAND	11824		OIL & GAS	3RD BONE SPRING SAND	11824
WOLFCAMP	12290		OIL & GAS	WOLFCAMP	12290

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

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (I 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 #492241 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

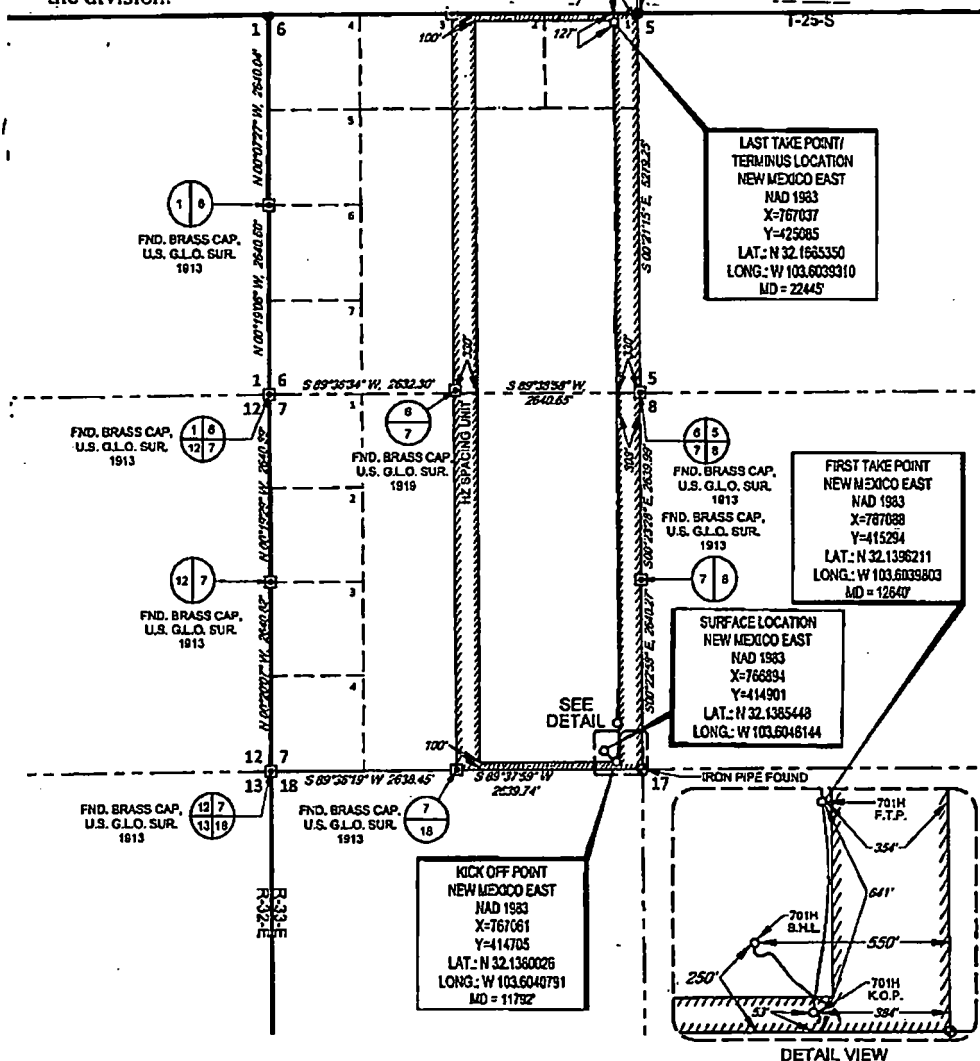
¹ API Number 30-025-45590		² Pool Code 98180		³ Pool Name WC025 G09 S253309P; UPPER WOLFCAMP	
⁴ Property Code 324978		⁵ Property Name DAUNTLESS 7 FED			⁶ Well Number #701H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3473'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	7	25-S	33-E	-	250'	SOUTH	550'	EAST	LEA
A	6	25-S	33-E	-	127'	NORTH	342'	EAST	LEA
¹¹ Dedicated Acres 640.00		¹² Joint or Infill		¹³ Consolidation Code		¹⁴ Order No.			

No allowable will be assigned to this completion until the division.

s have been consolidated or a non-standard unit has been approved by



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 of this location pursuant to a contract with an owner of such a mineral or working interest, or is 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

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

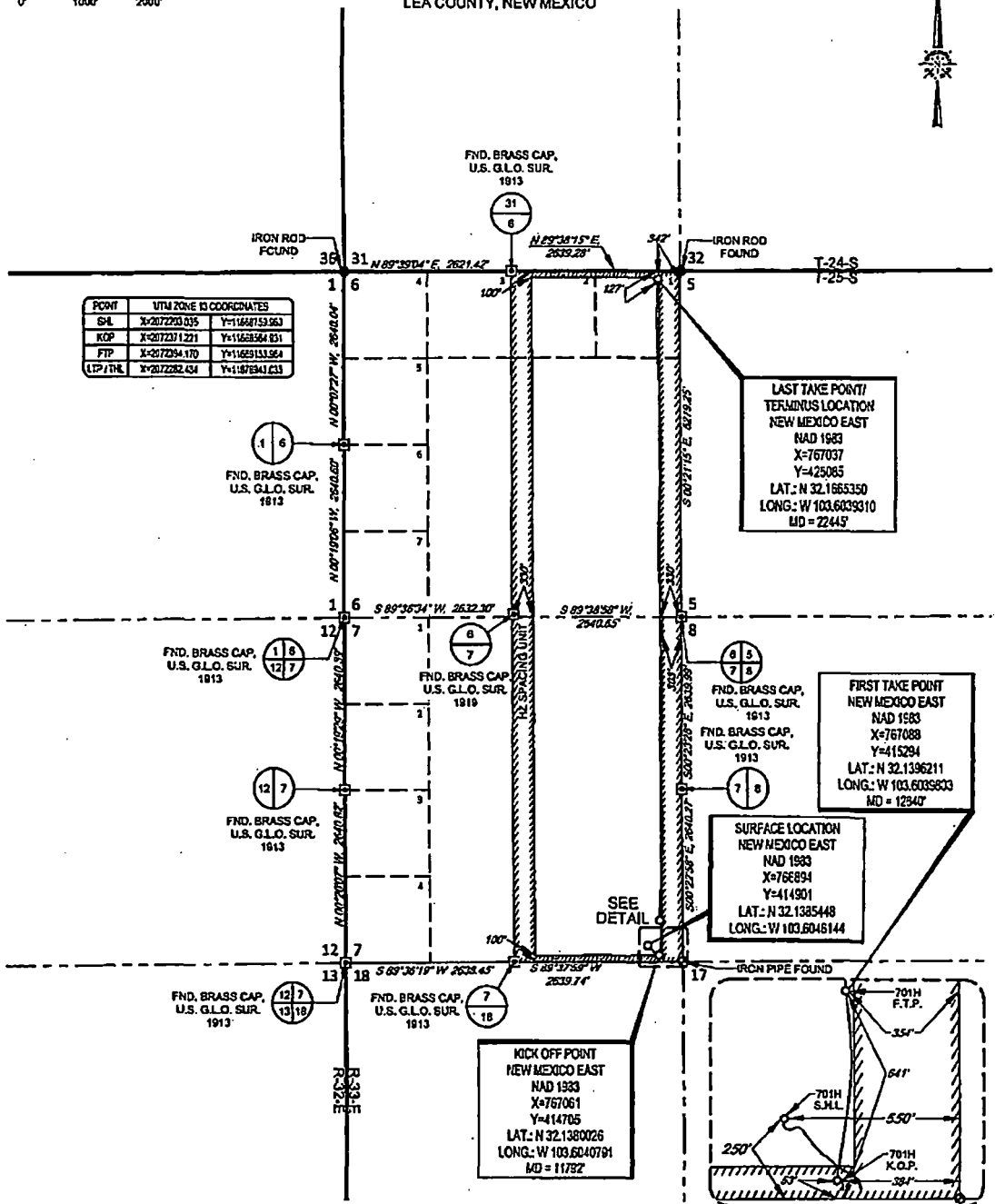
Signature and Seal of Professional Surveyor

Certificate Number

O_DAUNTLESS_7_FED_701H_REV1.DWG 8/6/2016 12:58:16 PM csmvns

SCALE: 1" = 2000'

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



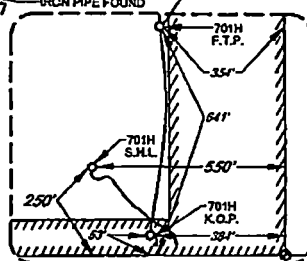
POINT	UTM ZONE 13 COORDINATES
GUL	X=207220.035 Y=11667153.963
KOP	X=207237.1221 Y=11668364.831
FTP	X=2072254.170 Y=11668133.964
LTP/THL	X=2072282.434 Y=11675841.233

LAST TAKE POINT/
TERMINUS LOCATION
NEW MEXICO EAST
NAD 1983
X=767037
Y=425065
LAT: N 32.1865350
LONG: W 103.6039310
MD = 22445

FIRST TAKE POINT
NEW MEXICO EAST
NAD 1983
X=767088
Y=415294
LAT: N 32.1396211
LONG: W 103.6039833
MD = 12347

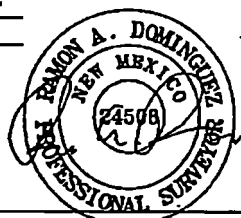
SURFACE LOCATION
NEW MEXICO EAST
NAD 1983
X=766894
Y=414901
LAT: N 32.1385448
LONG: W 103.6046144

KICK OFF POINT
NEW MEXICO EAST
NAD 1983
X=767061
Y=414705
LAT: N 32.1380026
LONG: W 103.6040791
MD = 11792



LEASE NAME & WELL NO.: DAUNTLESS 7 FED COM 701H
SECTION 7 TWP 25-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3475'
DESCRIPTION 250' FSL & 550' FEL

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, SUITE 140 - FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7534
TEXAS SURVEYOR REGISTRATION NO. 1042354
WWW.TOPOGRAPHIC.COM



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

Geog resources, Inc.

DAUNTLESS 7 FED COM
701H
AS-COMplete
DATE: 10/21/2019
FILE: AD_DAUNTLESS_7_FED_701H
DRAWN BY: JLS
SHEET: 1 OF 1

REVISION:	

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

#701H

OH

Design: OH

Midland PVA

02 July, 2019



Midland PVA

Company:	EOG Resources - Midland		Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)		TYD Reference:	KB = 25' @ 3498.0 usft
Site:	Dauntless 7 Fed		MD Reference:	KB = 25' @ 3498.0 usft
Well:	#701H		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:	#701H					
Well Position:	+N-S	0.0 usft	Northing:	414,901.00 usft	Latitude:	32° 8' 18.758 N
	+EAW	0.0 usft	Easting:	766,894.00 usft	Longitude:	103° 36' 18.612 W
Position Uncertainty:	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,473.0 usft	

Wellbore:	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/17/2018	8.84	59.96	47,783.62176847

Design:	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TYD)	+N-S (usft)	+EAW (usft)	Direction (°)	
	0.0	0.0	0.0	0.86	

Survey Program:	Data 7/2/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
138.0	22,445.0	Newsco MWD #1 (OH)	MWD	OWSG MWD - Standard



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lee County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3488.0ush
Site:	Dawnless 7 Fed.	MD Reference:	KB = 25' @ 3488.0ush
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (ush)	Inc (°)	Azi (azimuth) (°)	TVD (ush)	NS (ush)	EW (ush)	DLeg (°/100ush)	BuId (°/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
138.0	0.10	181.00	138.0	-0.1	0.0	0.07	0.07	0.00	-0.1	0.0
318.0	0.10	178.90	318.0	-0.4	0.0	0.00	0.00	-2.28	0.4	-0.9
497.0	3.60	202.60	496.9	-5.8	-2.1	1.96	1.96	14.36	-3.9	-8.3
685.0	6.10	166.90	684.2	-21.0	-2.2	2.02	1.33	-18.99	-8.9	-14.6
872.0	4.30	113.50	870.6	-33.4	6.5	2.64	-0.98	-28.56	-0.4	-21.8
1,059.0	3.00	88.20	1,057.2	-35.9	17.8	1.14	-0.70	-14.60	3.0	-16.1
1,248.0	2.70	60.30	1,248.0	-33.4	26.6	0.69	-0.16	-13.70	3.8	-10.9
1,302.0	2.70	60.60	1,299.9	-32.1	28.9	0.03	0.00	0.56	1.8	-9.1
1,440.0	2.80	68.30	1,437.7	-29.3	34.8	0.28	0.07	5.58	-3.8	-4.5
1,629.0	2.00	85.80	1,623.8	-27.8	42.3	0.74	-0.43	14.78	-7.5	3.7
1,814.0	3.00	119.80	1,811.4	-30.7	49.8	-0.76	0.53	12.82	-6.8	9.1
2,001.0	4.60	142.70	1,998.0	-39.1	58.6	1.16	0.86	12.19	-6.4	11.7
2,188.0	4.40	141.80	2,184.4	-50.7	67.6	0.11	-0.11	-0.48	-16.8	10.4
2,375.0	3.80	139.20	2,370.8	-61.1	76.1	0.34	-0.32	-1.39	-24.2	8.4
2,561.0	5.60	142.00	2,556.3	-73.1	85.9	-1.08	1.08	1.51	-32.3	8.7
2,748.0	5.60	141.00	2,742.4	-67.7	97.4	0.12	-0.11	-0.53	-36.4	5.8
2,934.0	4.70	138.80	2,927.8	-100.5	108.2	0.49	-0.48	-1.13	-37.2	1.9
3,121.0	4.50	128.70	3,114.0	-110.8	118.9	0.45	-0.11	-5.45	-35.8	-5.1
3,308.0	4.30	116.60	3,300.5	-118.8	130.8	0.43	-0.11	-5.40	-32.5	-8.8
3,498.0	5.40	132.30	3,487.8	-128.1	143.5	0.85	0.59	7.29	-33.0	0.8
3,683.0	4.80	134.80	3,674.0	-139.5	155.6	0.34	-0.32	1.34	-33.3	1.6
3,870.0	5.70	119.80	3,860.3	-149.7	169.2	0.87	0.48	-8.02	-33.5	-5.6
4,057.0	4.80	120.70	4,048.5	-158.3	184.1	0.43	-0.43	0.48	-34.9	-1.8
4,244.0	3.60	115.50	4,232.9	-165.0	198.3	0.72	-0.70	-2.78	-32.7	-1.1
4,431.0	6.50	117.70	4,419.2	-172.4	211.0	1.55	1.55	1.18	-33.4	4.4
4,618.0	6.10	129.10	4,605.1	-183.6	228.0	0.70	-0.21	6.10	-36.0	13.7



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3498.0usd
Site:	Damascus 7 Fed	MD Reference:	KB = 25' @ 3498.0usd
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
ID (usd)	Inc (°)	Azi (azimuth) (°)	TVD (usd)	NIS (usd)	ENW (usd)	DLeg (°/100usd)	Build (°/100usd)	Turn (°/100usd)	High to Plan (usd)	Right to Plan (usd)	
4,805.0	3.10	161.20	4,791.5	-194.6	237.4	2.06	-1.60	17.17	-22.5	28.0	
4,992.0	2.40	175.90	4,978.3	-203.3	239.3	0.53	-0.37	7.86	-12.0	23.0	
5,179.0	2.30	174.30	5,165.1	-211.0	240.0	0.06	-0.05	-0.88	-14.8	17.6	
5,366.0	1.20	136.50	5,352.0	-216.1	241.7	0.82	-0.59	-20.21	-27.4	2.5	
5,554.0	1.90	341.90	5,540.0	-214.6	242.1	1.61	0.37	-82.23	22.3	-14.9	
5,743.0	2.00	347.70	5,728.9	-208.4	240.4	0.12	0.05	3.07	14.3	-16.7	
5,929.0	1.90	314.90	5,914.8	-203.0	237.5	0.59	-0.05	-17.63	15.3	-8.1	
6,117.0	2.20	312.60	6,102.7	-198.4	232.6	0.17	0.16	-1.22	8.8	-7.6	
6,304.0	2.30	316.00	6,289.5	-193.3	227.4	0.09	0.05	1.82	1.0	-7.9	
6,491.0	2.10	319.30	6,478.4	-188.0	222.6	0.13	-0.11	1.76	-6.6	-7.7	
6,678.0	2.20	316.50	6,663.3	-182.8	217.8	0.08	0.05	-1.50	-13.2	-8.2	
6,864.0	1.00	270.60	6,849.2	-180.2	213.8	0.89	-0.65	-24.52	-7.5	-17.7	
7,051.0	1.30	252.00	7,036.1	-180.8	210.1	0.25	0.16	-10.11	-5.0	-19.7	
7,237.0	1.00	248.90	7,222.1	-182.0	206.6	0.16	-0.16	-1.67	-7.7	-20.1	
7,424.0	0.80	242.70	7,409.1	-183.2	203.9	0.12	-0.11	-3.32	-8.4	-21.0	
7,610.0	0.70	222.00	7,595.1	-184.7	202.0	0.15	-0.05	-11.13	-2.8	-23.0	
7,797.0	0.80	222.30	7,782.1	-188.6	200.2	0.11	0.11	0.16	-5.5	-23.0	
7,984.0	1.20	223.10	7,969.0	-188.1	197.9	0.16	0.16	0.43	-9.3	-22.9	
8,170.0	1.60	207.30	8,155.0	-192.8	195.4	0.30	0.22	-8.49	-7.1	-25.1	
8,357.0	1.70	202.80	8,341.8	-197.7	193.1	0.09	0.05	-2.41	-10.5	-25.8	
8,545.0	1.80	194.80	8,529.8	-203.1	191.3	0.14	0.05	-4.28	-12.8	-27.4	
8,732.0	2.10	197.40	8,716.7	-209.2	189.5	0.17	0.16	1.39	-20.1	-26.7	
8,919.0	2.30	197.80	8,903.6	-216.1	187.3	0.11	0.11	0.21	-27.5	-26.5	
9,106.0	1.20	230.50	9,090.5	-220.9	184.7	0.77	-0.59	17.49	-42.8	-5.4	
9,293.0	0.40	286.30	9,277.4	-222.0	182.6	0.55	-0.43	29.84	-30.2	33.8	
9,481.0	0.60	269.70	9,465.4	-221.8	180.9	0.13	0.11	-8.93	-40.2	23.6	
9,669.0	0.70	311.50	9,653.4	-221.0	178.1	0.25	0.05	22.45	-15.8	45.1	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3498.0ush
Site:	Daintessa 7 Fed	MD Reference:	KB = 25' @ 3498.0ush
Well:	#701H	North Reference:	Gid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (ush)	Inc. (")	Adj (adjminth) (")	TVD (ush)	N/S (ush)	EW (ush)	DLeg ("/100ush)	Build ("/100ush)	Turn ("/100ush)	High to Plan (ush)	Right to Plan (ush)	
9,855.0	0.70	52.30	9,839.4	-219.6	179.2	0.58	0.00	53.98	46.3		8.5
10,043.0	0.80	5.20	10,027.4	-217.0	180.1	0.28	-0.05	-25.05	23.5		38.9
10,229.0	1.30	62.00	10,213.4	-215.8	182.1	0.59	0.38	30.54	42.8		2.4
10,417.0	1.20	67.70	10,401.3	-214.2	185.8	0.08	-0.05	3.03	38.7		-1.6
10,604.0	1.30	320.80	10,588.3	-211.8	186.3	1.07	0.05	-57.11	-11.2		35.6
10,791.0	1.30	10.80	10,775.3	-208.1	185.3	0.59	0.00	26.68	16.6		33.1
10,979.0	1.90	350.30	10,963.2	-202.9	185.2	0.44	0.32	-10.90	-1.2		36.1
11,166.0	0.40	309.50	11,150.2	-199.4	184.2	0.87	-0.80	-21.82	-27.5		24.5
11,353.0	2.20	276.40	11,337.1	-198.6	180.1	1.00	0.98	-17.70	-40.6		5.2
11,540.0	1.60	281.60	11,524.0	-197.7	174.0	0.33	-0.32	2.94	-46.1		9.4
11,673.0	1.60	259.50	11,657.0	-197.8	170.4	0.47	0.00	-18.84	-49.7		-9.6
11,741.0	1.80	255.10	11,724.8	-198.1	168.4	0.35	0.28	-6.47	-50.9		-13.5
11,835.0	9.30	353.60	11,818.5	-190.9	166.1	10.35	7.99	104.79	-13.0		53.8
11,929.0	32.20	10.00	11,905.9	-158.2	169.7	24.80	24.36	17.45	-26.5		59.3
12,021.0	45.10	9.10	11,977.8	-101.7	179.1	14.03	14.02	-0.98	-78.8		61.9
12,115.0	47.60	9.30	12,042.5	-34.5	180.0	2.66	2.66	0.21	-127.0		53.8
12,207.0	49.20	6.50	12,103.5	33.6	199.4	2.86	1.74	-3.04	-158.6		35.4
12,301.0	47.60	5.10	12,168.0	103.5	208.5	2.03	-1.70	-1.49	-181.5		21.4
12,394.0	49.30	4.10	12,227.6	172.9	212.1	2.00	1.83	-1.08	-137.0		10.7
12,488.0	63.90	351.70	12,278.4	250.8	208.5	19.00	15.53	-13.19	-101.5		9.0
12,582.0	68.10	355.40	12,317.8	336.1	198.9	5.73	4.47	3.94	-64.0		19.7
12,676.0	78.20	353.60	12,344.8	425.6	190.5	10.85	10.74	-1.60	-37.1		26.5
12,769.0	83.20	357.80	12,359.9	517.1	183.9	6.78	5.38	4.19	-22.1		32.5
12,862.0	85.00	3.70	12,369.4	609.5	185.1	6.60	1.94	6.34	-12.4		30.7
12,955.0	88.00	3.30	12,375.1	702.2	180.8	3.23	3.23	-0.43	-6.8		24.4
13,049.0	88.50	3.30	12,378.0	796.0	198.2	0.53	0.53	0.00	-4.0		18.4
13,143.0	89.30	3.80	12,379.8	889.8	202.0	1.00	0.85	0.53	-2.2		12.0



Midland PVA

Company: EOG Resources - Midland		Local Co-ordinate Reference:		Well #701H	
Project: Lea County, NM (NAD 83 NME)		TVD Reference:		KB = 25' @ 3498.0ush	
Site: Dauntless 7 Fed		MD Reference:		KB = 25' @ 3498.0ush	
Well: #701H		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)	EW (ush)	DLeg (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
13,238.0	91.70	4.50	12,379.0	982.5	208.8	2.69	2.58	0.75	-3.0	-4.6	
13,330.0	89.00	0.20	12,378.4	1,076.4	212.6	5.40	-2.87	-4.57	-3.6	0.2	
13,423.0	91.00	1.50	12,378.4	1,169.4	214.0	2.56	2.15	1.40	-3.6	-1.6	
13,517.0	91.30	1.60	12,378.5	1,263.3	216.5	0.34	0.32	0.11	-5.5	-4.9	
13,611.0	89.70	1.80	12,375.7	1,357.3	219.3	1.72	-1.70	0.21	-6.3	-8.3	
13,704.0	88.00	0.50	12,377.6	1,450.2	221.2	2.30	-1.83	-1.40	-4.4	-10.8	
13,797.0	89.00	1.10	12,380.0	1,543.2	222.5	1.25	1.08	0.65	-2.0	-12.7	
13,890.0	90.50	0.70	12,380.4	1,636.2	223.9	1.67	1.61	-0.43	-1.6	-14.8	
13,983.0	93.00	2.20	12,377.6	1,728.1	226.3	3.13	2.69	1.61	-4.4	-17.7	
14,077.0	90.10	359.50	12,375.0	1,823.0	227.7	4.21	-3.09	-2.87	-7.0	-19.7	
14,171.0	90.40	359.30	12,374.6	1,917.0	228.7	0.38	0.32	-0.21	-7.4	-19.3	
14,265.0	91.10	358.80	12,373.4	2,011.0	225.1	0.92	0.74	-0.53	-8.6	-18.4	
14,358.0	90.80	357.80	12,371.8	2,104.0	222.4	1.12	-0.32	-1.08	-10.2	-16.2	
14,452.0	88.60	357.30	12,372.3	2,197.9	218.4	2.40	-2.34	-0.53	-9.6	-12.8	
14,477.0	88.00	357.50	12,373.1	2,222.8	217.2	2.53	-2.40	0.80	-8.9	-11.8	
14,570.0	89.00	358.40	12,375.5	2,315.7	213.9	1.43	1.08	0.97	-8.5	-9.1	
14,664.0	90.00	359.80	12,376.3	2,409.7	212.4	1.83	1.08	1.49	-5.7	-8.2	
14,759.0	88.90	358.80	12,377.2	2,504.7	211.3	1.56	-1.16	-1.05	-4.7	-7.7	
14,852.0	89.50	359.50	12,378.5	2,597.7	209.9	0.99	0.65	0.75	-3.4	-6.9	
14,945.0	89.50	0.40	12,379.3	2,690.7	209.8	0.97	0.00	0.97	-2.6	-7.4	
15,038.0	89.30	0.60	12,380.3	2,784.7	210.8	0.30	-0.21	0.21	-1.7	-8.8	
15,133.0	90.50	1.00	12,380.5	2,878.7	211.9	1.35	1.28	0.43	-1.5	-10.8	
15,227.0	90.20	1.10	12,379.9	2,972.6	213.7	0.34	-0.32	0.11	-2.1	-13.1	
15,321.0	89.60	0.00	12,380.1	3,066.6	214.6	1.33	-0.64	-1.17	-1.9	-14.6	
15,414.0	91.30	0.60	12,379.3	3,159.6	215.1	1.94	1.83	0.65	-2.8	-15.7	
15,508.0	90.90	359.30	12,377.5	3,253.6	215.0	1.45	-0.43	-1.38	-4.4	-16.2	
15,602.0	91.00	359.50	12,378.0	3,347.6	214.0	0.24	0.11	0.21	-6.0	-15.8	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3498.0usft
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3498.0usft
Well:	0701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14'

MD (usft)	Incl (°)	Azi (azimuth) (°)	TVD (usft)	NS (usft)	EW (usft)	DLog (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,695.0	89.50	358.80	12,375.6	3,440.8	212.8	1.78	-1.61	-0.75	-8.4	-15.0
15,788.0	89.00	0.60	12,378.8	3,533.6	212.1	2.01	-0.54	1.84	-5.2	-15.2
15,881.0	88.70	359.30	12,378.7	3,626.5	212.0	1.43	-0.32	-1.40	-3.3	-15.7
15,975.0	89.50	359.40	12,380.1	3,720.5	211.0	0.88	0.85	0.11	-1.8	-15.2
16,067.0	91.50	0.50	12,378.3	3,812.5	210.9	2.48	2.17	1.20	-2.8	-15.7
16,160.0	91.40	0.00	12,377.0	3,905.5	211.3	0.55	-0.11	-0.54	-5.0	-16.7
16,253.0	90.90	359.20	12,375.1	3,998.5	210.6	1.01	-0.54	-0.86	-6.9	-16.7
16,347.0	88.50	355.60	12,377.2	4,092.3	208.4	6.03	-1.68	-3.83	-4.7	-13.0
16,440.0	89.10	357.80	12,380.8	4,185.1	201.0	3.86	2.80	2.37	-1.2	-8.3
16,534.0	90.40	359.50	12,381.2	4,279.0	188.8	2.28	1.38	1.81	-0.8	-8.7
16,628.0	91.60	1.00	12,378.6	4,373.0	189.2	2.04	1.28	1.60	-2.4	-7.7
16,723.0	93.80	3.80	12,375.1	4,467.8	203.3	3.83	2.32	3.05	-6.8	-12.4
16,816.0	92.40	2.40	12,370.1	4,560.5	208.4	2.20	-1.51	-1.61	-11.9	-18.1
16,909.0	91.00	3.10	12,367.3	4,653.4	212.9	1.68	-1.51	0.75	-14.7	-23.1
17,003.0	90.30	359.00	12,368.3	4,747.3	214.6	4.42	-0.74	-4.38	-15.7	-25.4
17,097.0	88.10	353.20	12,367.8	4,841.1	208.2	6.60	-2.34	-8.17	-14.4	-19.6
17,190.0	91.50	0.80	12,367.8	4,933.8	203.4	9.05	3.66	8.28	-14.1	-15.5
17,285.0	91.50	359.30	12,365.4	5,028.8	203.6	1.68	0.00	-1.68	-16.8	-18.2
17,378.0	90.50	357.60	12,363.8	5,121.8	201.1	2.12	-1.08	-1.83	-18.2	-14.3
17,473.0	90.00	357.80	12,363.4	5,216.7	197.2	0.57	-0.53	0.21	-18.8	-11.1
17,567.0	85.10	358.10	12,367.4	5,310.5	193.9	6.22	-5.21	0.32	-14.8	-8.4
17,662.0	88.50	357.80	12,374.3	5,405.2	190.8	1.49	1.47	-0.21	-7.8	-5.7
17,755.0	87.40	357.60	12,379.3	5,498.0	186.9	1.02	0.97	-0.32	-2.7	-2.8
17,848.0	83.90	353.50	12,388.3	5,590.4	179.7	5.79	-3.78	-4.41	4.3	4.0
17,941.0	87.30	355.40	12,393.5	5,682.7	170.8	4.18	3.68	2.04	11.5	12.3
18,034.0	88.80	356.50	12,398.8	5,775.4	164.2	2.00	1.51	1.18	14.7	18.3
18,127.0	80.90	358.40	12,398.9	5,868.2	158.5	2.26	2.28	-0.11	14.9	23.4



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:				WELL #701H	
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:				KB = 25' @ 3498.0ush	
Site:	Dauntless 7 Fed	MD Reference:				KB = 25' @ 3498.0ush	
Well:	#701H	North Reference:				Grid	
Wellbore:	OH	Survey Calculation Method:				Minimum Curvature	
Design:	OH	Database:				EDM 5000.14	

Survey											
MD (ush)	Incl (°)	Azi (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	DLeg (ft/100ush)	Buile (ft/100ush)	Turn (ft/100ush)	High to Plan (ush)	Right to Plan (ush)	
18,220.0	91.10	358.90	12,355.3	5,961.1	154.6	2.70	0.22	2.69	13.3	28.7	
18,314.0	92.90	0.00	12,392.0	6,055.0	153.7	2.24	1.91	1.17	10.0	27.0	
18,407.0	91.50	1.80	12,388.4	6,148.0	155.0	2.28	-1.51	1.72	6.4	25.1	
18,503.0	89.50	2.00	12,387.6	6,243.9	158.1	2.12	-2.08	0.42	5.6	21.4	
18,596.0	88.60	1.90	12,389.1	6,336.8	161.2	0.97	-0.97	-0.11	7.2	17.7	
18,689.0	88.40	2.20	12,391.6	6,429.7	164.5	0.39	-0.22	0.32	9.6	13.7	
18,783.0	88.70	2.80	12,393.9	6,523.6	168.6	0.71	0.32	0.64	12.0	9.0	
18,876.0	88.70	3.40	12,396.0	6,616.5	173.7	0.64	0.00	0.65	14.1	3.4	
18,970.0	90.40	1.60	12,398.8	6,710.4	177.8	2.63	1.81	-1.81	14.6	-1.3	
19,062.0	90.90	1.40	12,395.7	6,802.3	180.2	0.59	0.54	-0.22	13.7	-4.3	
19,156.0	90.90	1.10	12,394.3	6,898.3	182.2	0.32	0.00	-0.32	12.3	-6.9	
19,250.0	91.50	1.50	12,392.3	6,990.2	184.4	0.77	0.64	0.43	10.3	-9.7	
19,343.0	92.80	1.80	12,388.8	7,083.1	187.0	1.43	1.40	0.32	6.8	-12.9	
19,436.0	90.80	0.40	12,385.9	7,176.1	188.8	2.62	-2.15	-1.51	3.9	-15.3	
19,530.0	89.30	359.80	12,385.8	7,270.1	189.0	1.72	-1.60	-0.64	3.8	-16.1	
19,624.0	88.40	359.70	12,387.7	7,364.0	188.6	0.96	-0.96	-0.11	5.7	-16.3	
19,717.0	88.40	0.60	12,390.3	7,457.0	189.0	1.18	0.00	1.18	6.3	-17.3	
19,812.0	90.40	1.80	12,391.3	7,552.0	191.1	2.35	2.11	1.03	9.3	-20.1	
19,906.0	89.80	358.90	12,391.1	7,646.0	191.7	3.15	-0.64	-3.09	9.1	-21.3	
19,999.0	89.30	0.40	12,391.8	7,738.9	191.1	1.70	-0.54	1.61	9.8	-21.3	
20,093.0	88.40	357.00	12,393.7	7,832.9	189.0	3.74	-0.96	-3.62	11.8	-19.7	
20,186.0	88.40	355.70	12,396.3	7,925.7	183.1	1.40	0.00	-1.40	14.4	-14.4	
20,280.0	88.90	357.60	12,398.5	8,018.5	177.6	2.09	0.53	2.02	16.6	-9.5	
20,373.0	90.20	359.30	12,399.3	8,112.4	175.1	2.30	1.40	1.83	17.3	-7.6	
20,468.0	91.00	359.20	12,398.3	8,207.4	173.8	0.85	0.64	-0.11	16.3	-7.0	
20,561.0	92.30	359.20	12,395.6	8,300.4	172.5	1.40	1.40	0.00	13.6	-6.3	
20,655.0	88.00	358.10	12,395.4	8,394.3	170.3	4.72	-4.57	-1.17	13.4	-4.7	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3498.0ush
Site:	Dauntless 7 Fed	MD Reference:	KB = 25' @ 3498.0ush
Well:	#701H	North Reference:	Grid
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)	Uleg (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
20,749.0	88.00	357.90	12,398.8	8,488.2	187.1	0.21	0.00	-0.21	18.6	-2.0	
20,842.0	89.00	357.10	12,401.1	8,581.1	183.0	1.38	1.08	-0.88	19.1	1.4	
20,935.0	91.30	357.10	12,400.8	8,674.0	158.3	2.47	2.47	0.00	18.8	5.5	
21,028.0	90.40	357.10	12,399.4	8,768.8	153.8	0.97	-0.97	0.00	17.5	9.8	
21,122.0	88.50	357.30	12,400.4	8,860.7	149.0	2.03	-2.02	0.21	18.1	13.6	
21,215.0	86.80	358.70	12,404.2	8,953.5	144.1	1.94	-1.83	-0.65	21.8	17.9	
21,308.0	86.10	358.60	12,409.9	9,046.2	140.3	2.17	-0.75	2.04	27.0	21.1	
21,351.0	88.20	358.90	12,412.1	9,089.2	139.4	4.93	4.88	0.70	29.0	21.8	
21,401.0	88.10	358.20	12,413.7	9,139.1	138.1	1.41	-0.20	-1.40	30.4	22.7	
21,494.0	88.80	357.90	12,416.2	9,232.0	135.0	0.82	0.75	-0.32	32.6	25.3	
21,587.0	88.30	358.60	12,418.5	9,325.0	132.1	0.92	-0.54	0.75	34.8	27.5	
21,680.0	88.80	359.30	12,420.8	9,417.9	130.4	0.99	0.85	0.75	36.8	28.8	
21,774.0	88.50	358.30	12,423.0	9,511.9	128.5	1.15	-0.43	-1.08	38.4	30.0	
21,867.0	88.60	0.70	12,425.8	9,604.8	127.6	2.63	-0.54	2.58	40.9	30.2	
21,959.0	92.60	1.70	12,425.3	9,698.8	129.6	5.12	5.00	1.09	40.1	27.7	
22,052.0	92.60	1.70	12,421.1	9,789.6	132.3	0.60	0.60	0.00	35.5	24.3	
22,145.0	93.30	1.40	12,416.3	9,882.5	134.8	0.82	0.75	-0.32	30.4	21.2	
22,239.0	94.80	2.10	12,409.7	9,976.2	137.7	1.76	1.60	0.74	23.4	17.8	
22,333.0	92.00	2.00	12,404.1	10,070.0	141.1	2.98	-2.98	-0.11	17.6	13.8	
22,382.0	95.70	0.40	12,400.8	10,118.8	142.1	8.22	7.55	-3.27	14.1	12.5	
22,445.0	95.70	0.40	12,394.5	10,181.5	142.5	0.00	0.00	0.00	7.8	11.8	



Midland PVA.

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3498.0usft
Site:	Daintless 7 Fed	MD Reference:	KB = 25' @ 3498.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
11,782.0	11,775.9	-196.1	167.0	KOP, MD:11782.0', TVD:11775.9', N/S:-196.1', E/W:167.0', INC:4.89
11,947.8	11,921.6	-148.0	171.4	FTP Crossing, MD:11947.8', TVD:11921.6', N/S:-148.0', E/W:171.4', INC:34.84
22,382.0	12,400.8	10,118.8	142.1	Last MWD Survey (MD=22382.0')
22,445.0	12,394.5	10,181.5	142.5	Projection to Bit (MD=22445.0')

Checked By: _____ Approved By: _____ Date: _____

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

Kay Maddox 11/12/2019
 Signed Date



Lea County, NM (NAD 83 NME)

Dauntless 7 Fed #701H

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: #701H

KB = 25' @ 3488.0 ft 3471.0
Northing 41901.00 Easting 75683.00 Latitude 32° 5' 18.764 N Longitude 102° 56' 18.612 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	YFace	VSeal	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	400.0	2.00	131.86	400.0	-2.3	2.6	1.00	131.86	-2.3	
4	2501.3	2.00	131.86	2500.0	-51.3	57.2	0.00	0.00	-50.4	
5	2651.2	5.00	131.86	2649.5	-57.4	64.0	2.00	0.00	-56.4	
6	4945.8	5.00	131.86	4935.5	-190.7	212.9	0.00	0.00	-187.5	
7	5195.7	0.00	0.00	5185.0	-198.0	221.0	2.00	180.00	-194.6	
8	11915.2	0.00	0.00	11904.5	-198.0	221.0	0.00	0.00	-194.6	
9	12885.2	90.00	359.83	12382.0	279.5	217.9	12.00	359.83	282.7	
10	21174.4	90.00	359.83	12382.0	8788.5	163.1	0.00	0.00	8790.0	TGT81(Dauntless 7 Fed #701H)
11	21184.5	89.80	359.83	12382.0	8798.7	163.0	2.00	179.99	8800.1	
12	22586.9	89.80	359.83	12387.0	10201.0	154.0	0.00	0.00	10202.2	PBHL(Dauntless 7 Fed #701H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Bushy Top(Dauntless 7 Fed #701H)	7614.0	-188.0	221.0	414703.00	757116.00
FTP(Dauntless 7 Fed #701H)	12281.0	-143.0	221.0	414703.00	757116.00
TGT81(Dauntless 7 Fed #701H)	12281.0	8788.5	163.1	425443.00	757057.10
PBHL(Dauntless 7 Fed #701H)	12287.0	10201.0	154.0	425122.00	757046.00

