

HOBBS OCEANIC
DEC 13 2019
RECEIVEDUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
HobbsFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM028881

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
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 31 T24S R34E Mer NMP At surface SESE 284FSL 1206FEL 32.167573 N Lat, 103.504340 W Lon At top prod interval reported below SWSE 338FSL 2229FEL 32.167723 N Lat, 103.507646 W Lon At total depth NWSE 2500FSL 2203FEL 32.188161 N Lat, 103.507582 W Lon			8. Lease Name and Well No. DILLON 31 FEDERAL COM 701H		
10. Field and Pool, or Exploratory WC025G09S2433361;UP WOLCA			11. Sec., T., R., M., or Block and Survey or Area Sec 31 T24S R34E Mer NMP		
12. County or Parish LEA			13. State NM		
14. Date Spudded 06/15/2019			15. Date T.D. Reached 07/21/2019		
16. Date Completed ☐ D & A ☒ Ready to Prod. 08/15/2019			17. Elevations (DF, KB, RT, GL)* 3426 GL		
18. Total Depth: MD 20073 TVD 12265			19. Plug Back T.D.: MD 20073 TVD 12265		
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
12.500	9.625 J55	40.0		1335		715		0	
8.750	7.625 ECP-110	29.7		11884		1495		0	
6.750	5.500 ICYP110	20.0		20059		780		7640	

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	12617	20073	12617 TO 20073	3.250	1617	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
12617 TO 20073	19,520,590 LBS PROPPANT;340,613 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
08/15/2019	08/27/2019	24	→	3573.0	8544.0	6762.0	39.0		FLOW FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
76	SI	1094.0	→				2391	ACCEPTED FOR RECORD 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.	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 #483824 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation due! 02/15/2020

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	1157		BARREN	RUSTLER	1157
T/SALT	1637		BARREN	T/SALT	1637
B/SALT	4986		OIL & GAS	B/SALT	4986
BRUSHY CANYON	7807		OIL & GAS	BRUSHY CANYON	7807
1ST BONE SPRING SAND	10235		OIL & GAS	1ST BONE SPRING SAND	10235
2ND BONE SPRING SAND	10813		OIL & GAS	2ND BONE SPRING SAND	10813
3RD BONE SPRING SAND	11877		OIL & GAS	3RD BONE SPRING SAND	11877
WOLFCAMP	12287		OIL & GAS	WOLFCAMP	12287

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 #483824 Verified by the BLM Well Information System.
For EOG RESOURCES, INC, sent to the Hobbs
Committed to AFMSS for processing by JENNIFER SANCHEZ on 11/18/2019 ()

Name (please print) KAY MADDOXTitle REGULATORY SPECIALISTSignature (Electronic Submission)Date 09/18/2019

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 30-025-45976	² Pool Code 98902	³ Pool Name WC025 G09 S2433361; UPPER WOLFCAMP
⁴ Property Code 39126	⁵ Property Name DILLON 31 FED COM	⁶ Well Number #701H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3436'

¹⁰Surface Location

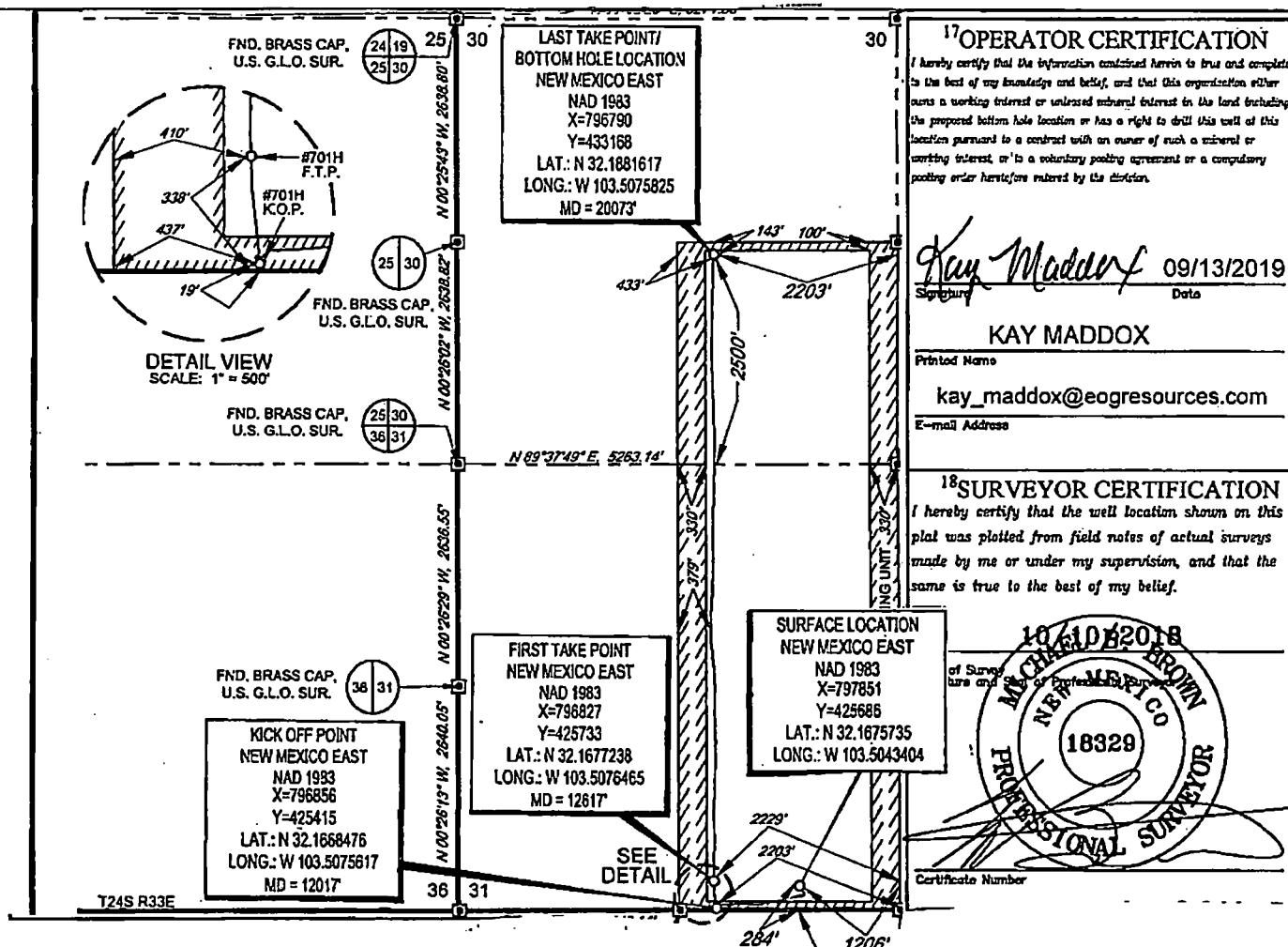
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	31	24-S	34-E	-	284'	SOUTH	1206'	EAST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	30	24-S	34-E	-	2500'	SOUTH	2203'	EAST	LEA

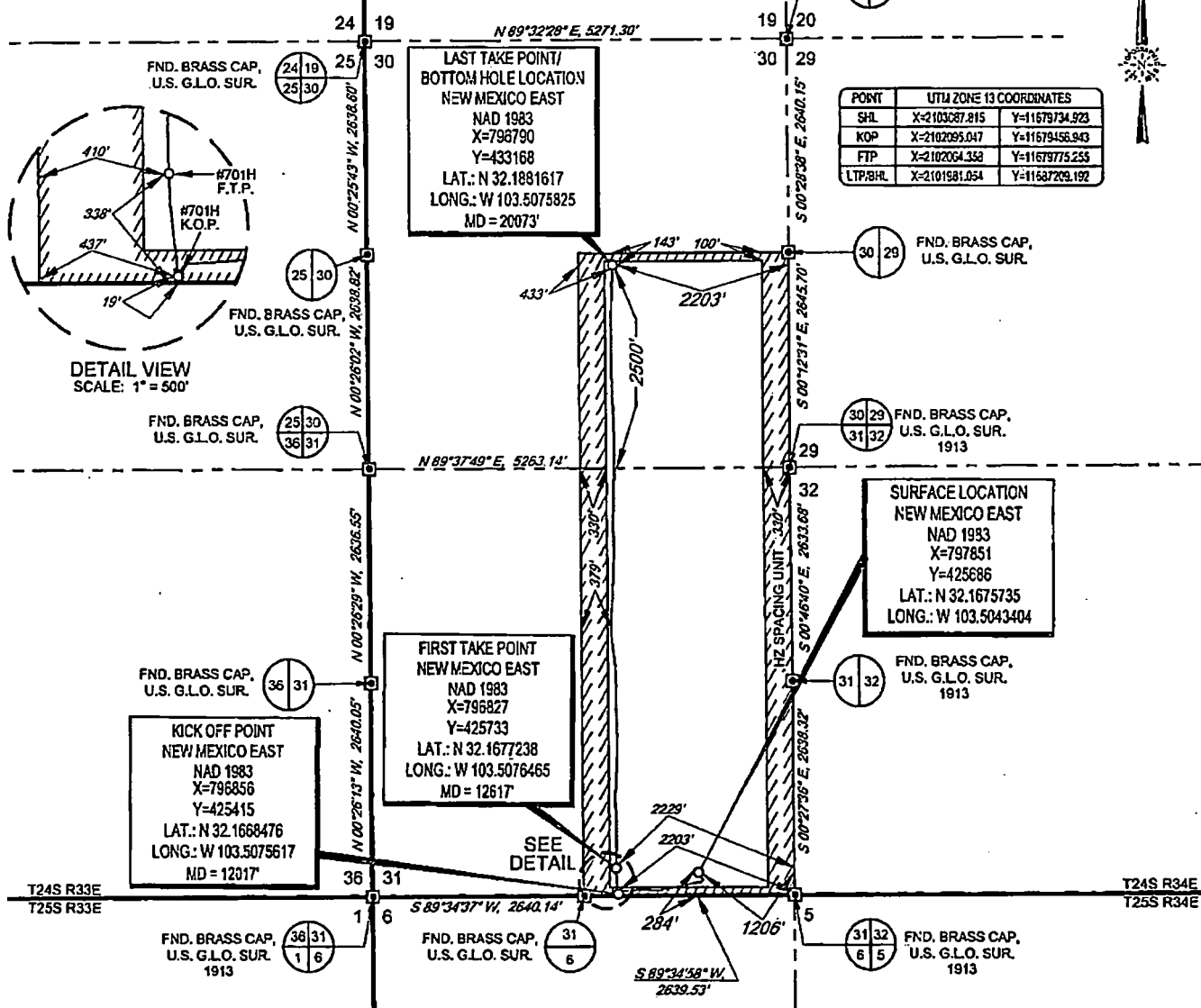
¹² Dedicated Acres 480.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



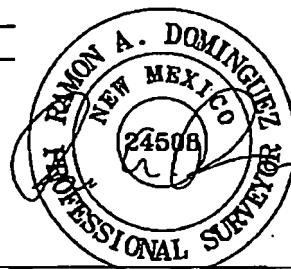
SCALE: 1" = 2000'
0' 1000' 2000'

SECTION 31, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: DILLON 31 FED COM #701H
SECTION 31 TWP 24-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3437'
DESCRIPTION 284' FSL & 1206' FEL

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 140 - FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2803 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1853 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Ramon A. Dominguez, P.S. No. 24508
August 16, 2019

Geog resources, Inc.

DILLON 31 FED COM #701H AS-COMPLETED DATE: <u>08/16/19</u> FILE: <u>AD_DILLON_31_FED_COM_701H</u> DRAWN BY: <u>H.B.</u> SHEET: <u>1 OF 1</u>	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 EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dillon 31 Fed Com

#701H

OH

Design: OH

Midland PVA

22 July, 2019



Midland PVA

Company:	EOG Resources - Midland		Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)		TVD Reference:	KB = 25' @ 3461.0 usft
Site:	Dillon 31 Fed Com		MD Reference:	KB = 25' @ 3461.0 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:	Dillon 31 Fed Com				
Site Position:	Northing:	425,866.00 usft	Latitude:	32° 10' 3.262 N	
From:	Map	Eastng:	797,851.00 usft	Longitude:	103° 30' 15.624 W
Position Uncertainty:	0.0 usft	Spot Radius:	13-3/16 "	Grid Convergence:	0.44 "

Well:	#701H					
Well Position	•N-S	0.0 usft	Northng:	425,866.00 usft	Latitude:	32° 10' 3.262 N
	•E-W	0.0 usft	Eastng:	797,851.00 usft	Longitude:	103° 30' 15.624 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,436.0 usft	

Wellbore:	OH			
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Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	11/14/2018	(°)	(°)	(nT)
			8.78	60.00	47,768.50813419

Design:	OH			
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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	351.84	

Survey Program	Date: 7/22/2019			
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
120.0	20,073.0	Total MWD #1 (OH)	MWD	OWSG MWD - Standard



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3461.0ush
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3461.0ush
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)	N/S (ush)	E/W (ush)	DLeg (°/100ush)	BuilM (°/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
120.0	0.00	0.00	120.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
162.0	0.50	319.70	162.0	0.1	-0.1	1.19	1.19	0.00	0.0	0.0
340.0	2.40	317.80	339.9	3.5	-3.1	1.07	1.07	-1.07	0.0	0.0
516.0	1.70	303.40	515.8	7.7	-7.8	0.49	-0.40	-8.18	0.0	0.0
575.0	0.80	256.70	574.8	8.0	-8.9	2.19	-1.53	-79.15	0.0	0.0
673.0	2.30	160.50	672.8	6.0	-8.9	2.57	1.53	-98.16	0.0	0.0
767.0	3.30	152.30	766.7	1.9	-7.9	1.14	1.06	-8.72	0.0	0.0
860.0	4.20	150.70	859.5	-3.5	-4.1	0.97	0.97	-1.72	0.0	0.0
953.0	4.10	147.90	952.2	-9.3	-0.7	0.24	-0.11	-3.01	0.0	0.0
1,048.0	4.00	143.40	1,045.0	-14.7	3.0	0.36	-0.11	-4.84	0.0	0.0
1,139.0	5.50	141.80	1,137.7	-20.8	7.7	1.62	1.61	-1.72	0.0	0.0
1,283.0	10.20	141.70	1,290.2	-37.3	20.7	3.05	3.05	-0.06	0.0	0.0
1,350.0	10.66	142.18	1,348.2	-45.4	27.1	0.82	0.81	0.84	-0.2	0.0
1,418.0	11.30	142.70	1,413.0	-55.7	35.0	0.85	0.94	0.76	-1.2	-0.2
1,511.0	8.90	141.80	1,504.4	-89.2	45.4	1.52	-1.51	-0.97	-3.5	0.8
1,606.0	7.80	145.60	1,598.3	-81.0	54.1	2.29	-2.21	4.00	-5.4	3.2
1,700.0	6.30	174.60	1,691.6	-91.4	58.2	4.05	-1.60	30.85	-3.4	6.8
1,795.0	6.60	201.00	1,788.1	-101.2	56.9	2.97	-0.32	27.79	-1.0	6.7
1,889.0	5.10	239.30	1,879.6	-107.9	51.6	3.97	-0.98	40.74	2.1	3.5
1,983.0	6.10	243.00	1,973.3	-111.9	44.3	0.35	0.00	3.94	2.5	0.1
2,078.0	5.10	243.70	2,067.9	-115.7	36.7	0.07	0.00	0.74	4.7	-1.3
2,172.0	7.00	258.10	2,161.4	-118.8	27.4	2.57	2.02	15.32	6.9	-3.7
2,266.0	10.00	260.30	2,254.3	-121.3	13.7	3.21	3.19	2.34	7.9	-4.8
2,361.0	10.80	261.70	2,347.8	-124.0	-3.2	0.88	0.84	1.47	7.1	-5.8
2,455.0	10.60	263.70	2,440.1	-128.2	-20.5	0.45	-0.21	2.13	6.7	-8.9
2,549.0	10.90	256.30	2,532.5	-128.3	-37.8	1.90	0.32	-7.87	5.3	-6.5



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NNE)	TVD Reference:	KB = 25' @ 3461.0usft
Site:	Dillon 31, Fed Cem	MD Reference:	KB = 25' @ 3461.0usft
Well:	#701H	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)	DLog (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
2,643.0	10.90	256.00	2,624.8	-133.5	-55.0	0.06	0.00	-0.32	3.9	-5.6	
2,738.0	10.50	257.50	2,718.1	-137.6	-72.2	0.51	-0.42	1.58	2.6	-5.1	
2,832.0	9.90	258.60	2,810.7	-141.1	-88.4	0.65	-0.64	0.53	2.2	-4.7	
2,927.0	9.40	259.40	2,904.3	-144.2	-104.1	0.58	-0.53	1.47	2.7	-4.7	
3,021.0	10.50	254.10	2,896.9	-148.0	-119.8	1.52	1.17	-5.64	3.1	-3.8	
3,116.0	10.30	252.50	3,090.3	-152.9	-135.3	0.37	-0.21	-1.68	2.5	-2.0	
3,211.0	8.30	253.70	3,184.0	-157.6	-151.7	1.07	-1.05	1.26	2.7	-0.4	
3,305.0	8.90	252.70	3,278.8	-161.8	-168.0	0.46	-0.43	-1.06	4.1	1.3	
3,399.0	9.30	254.90	3,369.8	-164.8	-180.5	2.09	0.43	12.98	5.8	0.3	
3,494.0	9.70	284.30	3,463.3	-166.2	-195.1	0.43	0.42	-0.63	6.6	-1.3	
3,589.0	10.90	257.30	3,555.8	-169.0	-212.6	1.84	1.28	-7.45	6.2	-0.9	
3,683.0	11.10	258.10	3,648.0	-172.6	-230.4	0.28	0.21	0.84	4.8	-0.8	
3,777.0	10.90	259.90	3,741.3	-176.3	-248.0	0.42	-0.21	1.91	2.9	-0.8	
3,872.0	10.90	264.30	3,834.8	-178.7	-265.7	0.88	0.00	4.63	1.3	-1.8	
3,966.0	10.80	267.60	3,926.9	-180.0	-283.4	0.67	-0.11	3.51	-0.4	-3.8	
4,061.0	11.10	271.60	4,020.2	-180.1	-301.4	0.86	0.32	4.21	-2.6	-6.8	
4,155.0	11.60	284.60	4,112.4	-180.7	-319.9	1.56	0.53	-7.45	-4.0	-8.7	
4,250.0	11.80	281.00	4,205.4	-183.1	-339.0	0.60	0.21	-3.76	-6.2	-11.1	
4,344.0	10.80	257.40	4,297.6	-188.6	-357.1	1.30	-1.08	-3.83	-7.6	-11.6	
4,438.0	10.70	262.10	4,389.9	-189.7	-374.3	0.94	-0.11	5.00	-9.7	-11.1	
4,532.0	9.30	259.70	4,482.5	-192.3	-390.4	1.55	-1.49	-2.55	-9.2	-12.1	
4,626.0	7.40	254.90	4,575.5	-195.2	-403.7	2.15	-2.02	-5.11	-5.5	-12.3	
4,721.0	7.30	260.50	4,669.7	-197.8	-415.6	0.76	-0.11	5.89	-2.3	-11.5	
4,815.0	7.30	251.10	4,762.8	-200.7	-427.1	1.27	0.00	-10.00	4.0	-10.5	
4,910.0	6.20	233.60	4,857.3	-205.7	-437.0	2.44	-1.16	-18.42	11.0	-3.5	
5,004.0	7.20	229.20	4,950.7	-212.6	-445.5	1.20	1.08	-4.68	14.5	5.0	
5,099.0	9.10	248.80	5,044.7	-219.2	-457.0	3.52	2.00	20.83	18.5	4.8	



Midland PVA

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Design:	OH	Database:	EDM 5000.14

ND. (ush)	Inc (°)	Azi (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	D Leg (°/100ush)	Bu'd (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
5,183.0	10.30	264.00	5,137.4	-222.7	-472.3	3.00	1.28	18.17	20.0	0.5
5,288.0	9.40	265.00	5,231.0	-224.3	-488.5	0.96	-0.95	1.05	22.4	0.1
5,382.0	8.40	270.10	5,323.7	-225.0	-503.8	0.89	0.00	5.43	27.3	-1.8
5,477.0	10.70	275.80	5,417.3	-224.0	-520.4	1.72	1.37	6.00	31.0	-6.4
5,571.0	11.00	278.60	5,509.8	-222.1	-537.8	0.38	0.32	0.85	33.4	-8.6
5,666.0	11.60	277.20	5,602.7	-219.8	-556.4	0.64	0.63	0.63	35.1	-13.0
5,760.0	12.70	275.80	5,694.6	-217.7	-576.1	1.21	1.17	-1.38	35.8	-15.2
5,854.0	12.80	278.40	5,786.3	-215.4	-596.7	0.16	0.11	0.53	35.1	-18.2
5,949.0	12.40	278.20	5,879.0	-213.2	-617.3	0.42	-0.42	-0.21	34.8	-21.0
6,043.0	13.10	271.80	5,970.7	-211.7	-638.0	1.27	0.74	-4.68	35.9	-20.3
6,137.0	13.40	268.20	6,062.2	-211.7	-659.5	0.93	0.32	-3.83	35.8	-18.7
6,232.0	12.20	268.20	6,154.8	-212.4	-680.8	1.26	-1.28	0.00	35.4	-18.7
6,326.0	11.30	267.80	6,246.9	-213.1	-699.7	0.97	-0.98	-0.74	36.8	-18.1
6,421.0	11.40	266.70	6,340.0	-214.1	-718.4	0.20	0.11	-0.84	39.0	-17.2
6,515.0	11.40	266.00	6,432.2	-219.2	-736.9	0.15	0.00	-0.74	41.0	-16.0
6,609.0	10.80	265.60	6,524.4	-216.6	-754.9	0.84	-0.64	-0.43	43.4	-14.8
6,703.0	11.10	264.40	6,616.7	-218.1	-772.7	0.40	0.32	-1.28	46.2	-12.7
6,798.0	12.00	263.70	6,709.8	-220.1	-791.7	0.98	0.85	-0.74	47.9	-10.6
6,892.0	13.50	265.90	6,801.4	-222.0	-812.3	1.68	1.60	2.34	47.1	-11.2
6,986.0	13.70	265.70	6,892.8	-223.6	-834.4	0.22	0.21	-0.21	45.3	-10.1
7,080.0	13.30	265.40	6,984.2	-225.3	-856.2	0.43	-0.43	-0.32	43.7	-8.9
7,175.0	13.10	264.70	7,076.7	-227.1	-877.8	0.27	-0.21	-0.74	42.6	-7.2
7,269.0	12.00	267.00	7,168.5	-228.8	-898.2	1.29	-1.17	2.45	42.3	-8.0
7,363.0	11.60	267.20	7,260.5	-229.6	-917.4	0.43	-0.43	0.21	42.6	-7.7
7,458.0	11.20	268.30	7,353.8	-230.7	-938.2	0.46	-0.42	-0.95	40.7	-6.6
7,552.0	8.40	268.40	7,446.2	-231.5	-952.1	3.00	-2.98	2.23	38.0	-7.8
7,646.0	4.40	280.80	7,538.6	-231.0	-962.5	4.48	-4.28	13.30	35.3	-16.6



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3481.0usft
Site:	Dillon 31/Fed Com	ND Reference:	KB = 25' @ 3481.0usft
Well:	#701H	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)	DLog (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
7,741.0	2.00	296.80	7,634.5	-229.5	-987.8	2.87	-2.53	16.74	30.7	-28.2	
7,835.0	0.80	237.20	7,728.4	-229.1	-969.6	1.85	-1.28	-83.40	42.0	13.0	
7,929.0	1.00	216.80	7,822.4	-230.2	-970.7	0.40	0.21	-21.70	34.0	27.4	
8,024.0	0.80	208.80	7,917.4	-231.4	-971.5	0.25	-0.21	-8.42	28.4	31.8	
8,118.0	0.80	211.10	8,011.4	-232.6	-972.2	0.11	0.11	2.45	28.3	30.6	
8,212.0	0.80	211.50	8,105.4	-233.8	-972.9	0.01	0.00	0.43	27.0	30.4	
8,306.0	0.90	211.89	8,199.4	-235.1	-973.7	0.01	0.00	0.32	25.7	30.3	
8,401.0	1.10	205.90	8,294.4	-236.6	-974.5	0.24	0.21	-6.21	20.8	32.7	
8,495.0	1.00	202.30	8,388.3	-238.2	-975.2	0.13	-0.11	-3.83	17.0	33.9	
8,589.0	1.00	212.30	8,482.3	-239.6	-976.0	0.19	0.00	10.64	21.0	30.6	
8,684.0	1.10	222.80	8,577.3	-241.0	-977.0	0.23	0.11	11.16	24.5	26.3	
8,778.0	1.20	237.90	8,672.3	-242.2	-978.5	0.33	0.11	15.79	28.6	19.3	
8,873.0	1.30	232.40	8,766.3	-243.3	-980.2	0.17	0.11	-5.85	24.6	21.9	
8,967.0	1.40	239.60	8,860.2	-244.8	-982.0	0.21	0.11	7.66	24.9	18.8	
9,062.0	1.40	233.90	8,955.2	-245.8	-983.9	0.15	0.00	-8.00	20.6	21.0	
9,156.0	1.20	223.40	9,049.2	-247.2	-985.5	0.33	-0.21	-11.17	14.3	24.2	
9,251.0	1.10	213.20	9,144.2	-248.7	-988.7	0.24	-0.11	-10.74	7.8	26.2	
9,345.0	1.00	216.70	9,238.2	-250.1	-987.7	0.13	-0.11	3.72	7.8	25.7	
9,440.0	1.00	238.40	9,333.1	-251.2	-988.9	0.40	0.00	22.84	15.1	21.3	
9,535.0	0.70	256.80	9,428.1	-251.8	-990.2	0.42	-0.32	19.37	19.7	15.7	
9,630.0	1.00	271.90	9,523.1	-251.9	-991.6	0.39	0.32	15.89	21.8	10.2	
9,725.0	0.80	268.90	9,618.1	-251.8	-993.2	0.12	-0.11	-3.16	19.6	11.3	
9,819.0	1.30	240.50	9,712.1	-252.4	-994.8	0.71	0.43	-30.21	10.2	18.8	
9,913.0	1.00	254.80	9,806.1	-253.2	-996.5	0.44	-0.32	15.21	12.7	16.1	
10,007.0	0.80	267.50	9,900.1	-253.4	-998.0	0.30	-0.21	13.51	14.5	13.1	
10,101.0	0.30	261.60	9,994.1	-253.5	-998.9	0.53	-0.53	-6.28	12.1	14.4	
10,196.0	0.20	187.90	10,089.1	-253.7	-999.2	0.29	-0.11	-87.05	-7.8	17.0	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3461.0ush
Site:	Dillon 31 Fed Com	N/D Reference:	KB = 25' @ 3461.0ush
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)	N/S (ush)	EW (ush)	D Leg (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
10,281.0	0.70	225.50	10,184.1	-254.2	-999.6	0.58	0.53	28.47	0.4	18.8
10,384.0	0.80	201.20	10,277.0	-255.2	-1,000.3	0.38	0.11	-26.58	-8.7	17.0
10,479.0	1.40	210.70	10,372.0	-256.9	-1,001.1	0.66	0.63	10.00	-7.6	18.3
10,573.0	1.30	299.10	10,468.0	-257.3	-1,002.6	2.00	-0.11	94.04	17.0	9.2
10,667.0	1.00	304.60	10,560.0	-258.3	-1,004.2	0.34	-0.32	5.85	15.9	7.7
10,762.0	0.60	308.30	10,655.0	-255.6	-1,005.3	0.42	-0.42	3.89	15.1	6.7
10,856.0	1.10	301.00	10,749.0	-254.8	-1,006.5	0.54	0.53	-7.77	12.7	8.5
10,951.0	0.80	288.90	10,844.0	-254.0	-1,007.8	0.32	-0.32	-2.21	10.8	8.8
11,045.0	1.30	9.90	10,937.9	-252.6	-1,008.2	1.37	0.53	75.53	10.6	-6.7
11,139.0	1.20	29.00	11,031.9	-250.7	-1,007.6	0.45	-0.11	20.32	5.9	-9.5
11,234.0	2.10	59.90	11,126.9	-248.9	-1,005.6	1.24	0.95	29.37	-1.9	-10.6
11,329.0	1.60	74.20	11,221.8	-247.5	-1,002.7	0.69	-0.32	18.21	-8.1	-9.1
11,423.0	2.60	101.00	11,315.8	-247.6	-999.2	1.36	0.85	28.51	-14.8	-3.8
11,517.0	1.80	118.80	11,409.7	-248.6	-998.0	1.26	-1.08	18.54	-18.6	1.5
11,611.0	3.00	148.70	11,503.6	-251.3	-993.6	1.91	1.49	31.81	-18.9	11.3
11,706.0	3.20	181.40	11,598.5	-256.1	-982.3	1.85	0.21	34.42	-14.6	21.0
11,800.0	2.60	184.70	11,692.4	-260.8	-992.8	0.66	-0.64	3.51	-18.1	22.0
11,844.0	2.60	182.00	11,736.3	-262.8	-992.7	0.28	0.00	-6.14	-21.1	21.1
11,884.0	3.04	188.99	11,778.3	-264.6	-992.8	1.26	1.10	12.47	-21.2	22.9
11,933.0	3.60	191.40	11,825.2	-267.6	-993.3	1.26	1.14	9.00	-22.2	24.6
12,017.0	2.42	210.55	11,909.1	-271.7	-994.7	1.83	-1.40	22.80	-17.1	31.3
12,028.0	2.30	214.40	11,920.1	-272.1	-995.0	1.81	-1.09	35.00	-15.5	32.4
12,122.0	13.60	355.70	12,013.3	-262.4	-996.9	16.66	12.23	150.32	27.1	-14.2
12,216.0	27.60	358.30	12,101.0	-229.3	-999.1	14.68	14.68	0.64	14.5	-13.3
12,263.0	37.00	354.20	12,140.7	-204.3	-1,001.3	20.14	20.00	-4.47	5.7	-11.7
12,310.0	38.70	353.30	12,177.8	-175.7	-1,004.4	3.80	3.62	-1.91	-3.2	-9.4
12,405.0	42.50	352.60	12,249.9	-114.3	-1,012.0	4.03	4.00	-0.74	-12.4	-3.2



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	W80 8701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3481.0ush
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3481.0ush
Well:	9701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (ush)	Inc (°)	Adj (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	D Leg (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
12,499.0	46.10	354.60	12,317.2	-49.1	-1,019.3	4.11	3.83	2.13	-8.8	4.3
12,548.0	52.50	357.80	12,347.8	-13.6	-1,021.6	14.56	13.62	8.81	-3.5	6.7
12,594.0	56.60	358.70	12,375.6	25.5	-1,022.8	8.68	8.54	1.87	2.0	7.8
12,688.0	69.60	357.90	12,418.1	109.1	-1,025.3	13.85	13.83	-0.85	12.3	9.5
12,782.0	88.50	1.60	12,435.0	201.0	-1,025.8	20.47	20.11	3.94	14.7	8.9
12,877.0	89.60	2.10	12,429.2	285.5	-1,022.8	11.70	11.68	0.53	7.5	5.1
12,927.0	93.60	1.30	12,423.4	345.1	-1,021.1	12.10	-12.00	-1.60	2.5	3.2
12,971.0	93.60	0.60	12,420.6	389.1	-1,020.4	1.59	0.00	-1.59	0.3	2.1
13,066.0	89.50	0.20	12,418.1	484.0	-1,019.7	4.34	-4.32	-0.42	-0.8	0.6
13,160.0	88.00	359.00	12,420.1	578.0	-1,020.4	2.04	-1.60	-1.26	2.6	0.5
13,254.0	88.00	358.00	12,423.4	671.9	-1,022.8	1.06	0.00	-1.06	7.0	2.2
13,348.0	91.00	359.50	12,424.2	765.8	-1,024.9	3.57	3.19	1.60	8.8	3.4
13,442.0	92.00	358.80	12,421.8	859.8	-1,028.2	1.24	1.06	-0.64	7.3	4.0
13,537.0	91.30	0.80	12,419.0	854.7	-1,026.4	2.13	-0.74	2.00	5.5	3.4
13,631.0	91.10	2.50	12,417.1	1,048.7	-1,023.7	1.82	-0.21	1.81	4.5	-0.1
13,728.0	87.40	2.40	12,418.3	1,145.6	-1,019.6	3.82	-3.81	-0.10	6.8	-5.0
13,822.0	87.40	2.00	12,422.6	1,238.4	-1,016.0	-0.43	0.00	-0.43	12.0	-9.4
13,916.0	90.70	2.20	12,424.2	1,333.3	-1,012.5	3.52	3.51	0.21	14.5	-13.8
14,011.0	92.00	2.00	12,421.9	1,428.2	-1,009.1	1.38	1.37	-0.21	13.3	-17.9
14,105.0	91.30	0.70	12,419.2	1,522.2	-1,006.8	1.57	-0.74	-1.38	11.5	-20.9
14,200.0	90.50	358.30	12,417.7	1,617.1	-1,007.7	2.66	-0.84	-2.63	11.1	-20.9
14,294.0	90.80	358.10	12,416.7	1,711.1	-1,010.6	0.38	0.32	-0.21	11.8	-18.7
14,388.0	91.00	358.30	12,415.2	1,805.0	-1,013.6	0.30	0.21	0.21	12.1	-16.6
14,482.0	89.60	358.20	12,414.7	1,899.0	-1,016.4	1.49	-1.49	-0.11	13.4	-14.5
14,577.0	90.10	358.60	12,414.9	1,993.9	-1,019.1	0.67	0.53	0.42	15.4	-12.6
14,671.0	90.50	359.30	12,414.4	2,087.9	-1,021.6	0.53	0.43	-0.32	16.7	-10.8
14,765.0	90.30	358.20	12,413.8	2,181.9	-1,024.5	0.24	-0.21	-0.11	17.8	-8.8



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3461.05ft
Site:	Dolan 31 Fed Com	UD Reference:	KB = 25' @ 3461.05ft
Well:	#701H	North Reference:	Gd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
UD (usft)	Inc (°)	Adj (ed-muth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
14,859.0	83.20	0.70	12,410.9	2,275.8	-1,025.4	4.07	3.09	2.68	16.7	16.7	-8.7
14,953.0	91.40	0.60	12,407.1	2,369.7	-1,024.4	1.92	-1.91	-0.11	14.7	14.7	-10.5
15,047.0	88.70	358.10	12,407.1	2,463.6	-1,027.1	5.58	-2.87	-4.79	16.4	16.4	-8.6
15,141.0	88.70	354.60	12,409.2	2,557.3	-1,034.7	1.60	0.00	-1.60	20.3	20.3	-1.8
15,236.0	89.00	353.80	12,411.1	2,651.8	-1,044.3	0.80	0.32	-0.84	24.1	24.1	7.0
15,330.0	88.30	352.70	12,413.3	2,745.1	-1,053.3	1.39	-0.74	-1.17	28.7	28.7	17.2
15,425.0	93.10	351.40	12,412.2	2,839.2	-1,068.5	5.23	5.03	-1.37	30.4	30.4	29.3
15,519.0	98.50	357.40	12,402.8	2,932.2	-1,077.6	8.56	5.74	6.38	23.2	23.2	38.0
15,568.0	97.60	359.40	12,396.1	2,978.7	-1,078.9	4.63	-1.91	4.26	17.8	17.8	38.9
15,614.0	94.20	359.40	12,391.1	3,026.4	-1,079.4	7.08	-7.08	0.00	14.2	14.2	39.0
15,661.0	91.60	0.20	12,388.8	3,073.3	-1,078.8	5.79	-5.53	1.70	13.1	13.1	38.8
15,709.0	90.90	1.80	12,387.7	3,121.3	-1,078.7	3.84	-1.46	3.33	13.4	13.4	37.5
15,756.0	91.30	2.00	12,386.8	3,168.3	-1,077.2	0.95	0.83	0.43	13.8	13.8	35.6
15,803.0	94.20	4.90	12,384.5	3,215.1	-1,074.3	8.72	8.17	6.17	12.8	12.8	32.4
15,850.0	94.40	4.60	12,381.0	3,261.8	-1,070.5	0.77	0.43	-0.64	10.4	10.4	28.2
15,897.0	93.40	4.10	12,377.8	3,308.6	-1,066.9	2.38	-2.13	-1.06	8.6	8.6	24.2
15,992.0	89.40	3.20	12,375.5	3,403.4	-1,060.8	4.32	-4.21	-0.95	8.9	8.9	17.3
16,088.0	90.60	1.30	12,375.3	3,497.3	-1,057.2	2.58	1.60	-2.02	11.2	11.2	12.8
16,181.0	94.40	1.50	12,370.9	3,592.1	-1,054.8	3.69	3.68	0.21	9.4	9.4	9.7
16,275.0	93.60	1.70	12,364.3	3,685.9	-1,052.2	0.88	-0.85	0.21	5.5	5.5	6.3
16,396.0	87.70	0.60	12,362.9	3,808.8	-1,049.8	4.96	-4.88	-0.91	7.4	7.4	2.9
16,480.0	88.30	359.80	12,365.2	3,900.7	-1,049.5	1.08	0.84	-0.85	13.3	13.3	1.8
16,565.0	89.70	359.80	12,367.9	3,995.7	-1,049.8	1.47	1.47	0.00	17.5	17.5	1.3
16,679.0	88.70	359.80	12,369.2	4,089.7	-1,050.1	1.06	-1.06	0.00	21.4	21.4	0.8
16,773.0	90.40	359.10	12,369.9	4,183.7	-1,051.0	1.96	1.81	-0.74	24.5	24.5	1.0
16,868.0	92.70	359.30	12,367.4	4,278.6	-1,052.4	2.43	2.42	0.21	24.2	24.2	1.5
16,963.0	94.00	1.20	12,361.8	4,373.5	-1,052.0	2.42	1.37	2.00	20.9	20.9	0.3



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3461.0ush
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3461.0ush
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
ND (ush)	Inc (°)	Azi (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	DLeg (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)	
17,057.0	84.90	1.60	12,354.5	4,487.1	-1,049.7	1.05	0.96	0.43	15.9	-2.8	
17,151.0	82.40	0.60	12,348.5	4,560.9	-1,047.9	2.88	-2.68	-1.06	12.1	-5.4	
17,248.0	80.40	0.40	12,346.2	4,653.9	-1,047.0	2.12	-2.11	-0.21	12.1	-7.0	
17,341.0	89.50	0.40	12,348.3	4,750.9	-1,048.4	0.93	-0.55	0.00	14.4	-8.5	
17,435.0	89.20	1.60	12,347.4	4,844.8	-1,044.7	1.32	-0.32	1.28	17.7	-10.9	
17,529.0	89.80	2.70	12,348.2	4,938.8	-1,041.2	1.33	0.64	1.17	20.8	-15.2	
17,623.0	90.20	359.00	12,348.2	5,032.8	-1,039.8	3.96	0.43	-3.94	23.0	-17.4	
17,718.0	92.80	359.50	12,345.7	5,127.7	-1,041.1	2.79	2.74	0.53	22.8	-16.9	
17,812.0	93.90	359.50	12,340.2	5,221.6	-1,041.9	1.17	1.17	0.00	19.8	-16.9	
17,906.0	90.80	358.60	12,336.3	5,315.4	-1,043.4	3.33	-3.19	-0.96	17.9	-16.1	
18,000.0	91.40	358.70	12,334.4	5,409.4	-1,045.6	0.54	0.53	0.11	18.2	-14.7	
18,094.0	91.20	358.20	12,332.2	5,503.4	-1,047.4	0.57	-0.21	0.53	18.3	-13.8	
18,189.0	92.30	356.80	12,329.3	5,598.3	-1,050.7	2.78	1.16	-2.53	17.7	-11.3	
18,283.0	90.50	357.00	12,326.7	5,692.1	-1,055.8	1.50	-1.49	0.21	17.3	-7.0	
18,377.0	91.80	356.80	12,324.4	5,785.9	-1,050.8	1.07	1.06	-0.11	17.3	-2.8	
18,472.0	91.00	359.00	12,322.0	5,880.8	-1,054.2	2.40	-0.95	2.21	17.1	-0.2	
18,566.0	90.20	357.60	12,321.0	5,974.8	-1,056.9	1.72	-0.85	-1.49	18.4	1.8	
18,660.0	92.30	358.70	12,319.0	6,068.7	-1,070.0	2.52	2.23	1.17	18.6	4.1	
18,755.0	92.40	359.10	12,315.1	6,163.6	-1,071.8	0.43	0.11	0.42	18.9	5.1	
18,849.0	93.60	358.00	12,310.2	6,257.4	-1,074.2	1.73	1.28	-1.17	14.3	6.7	
18,943.0	94.50	358.30	12,303.5	6,351.1	-1,077.2	1.01	0.98	0.32	9.9	9.0	
19,038.0	93.30	359.10	12,297.1	6,445.9	-1,079.4	1.52	-1.28	0.84	5.7	10.3	
19,132.0	91.60	0.40	12,293.0	6,539.8	-1,079.9	2.28	-1.81	1.38	3.9	9.9	
19,228.0	90.80	1.00	12,291.1	6,633.8	-1,078.6	1.06	-0.65	0.64	4.2	8.0	
19,321.0	93.20	0.10	12,287.8	6,728.7	-1,077.7	2.70	2.53	-0.95	4.8	8.3	
19,415.0	93.40	0.80	12,282.4	6,822.5	-1,077.1	0.57	0.21	0.53	3.5	4.9	
19,510.0	93.90	2.40	12,278.3	6,917.3	-1,074.8	1.98	0.53	1.89	1.8	1.7	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3481.0usft
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3481.0usft
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	D Leg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
19,586.0	93.20	1.30	12,271.6	6,993.1	-1,072.2	1.71	-0.92	-1.45	0.6	-1.4
19,680.0	91.20	1.30	12,268.0	7,087.0	-1,070.1	2.13	-2.13	0.00	1.3	-4.3
19,774.0	90.20	1.30	12,268.8	7,181.0	-1,067.9	1.08	-1.08	0.00	4.5	-7.3
19,869.0	90.70	1.30	12,268.1	7,276.0	-1,065.8	0.53	0.53	0.00	8.1	-10.2
19,963.0	90.00	1.10	12,265.3	7,369.8	-1,063.8	0.77	-0.74	-0.21	11.8	-13.0
20,020.0	90.20	1.60	12,265.4	7,426.9	-1,062.5	0.94	0.35	0.88	14.4	-14.8
20,073.0	90.60	2.10	12,263.1	7,479.9	-1,060.8	1.21	0.75	0.94	16.4	-16.9

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		*N-S (usft)	*E-W (usft)	
12,017.0	11,909.1	-271.7	-994.7	KOP, MD:12017.0, TVD:11909.1,N/S:-271.7, E/W:-994.7, INC:2.42
12,284.1	12,157.4	-191.6	-1,002.6	FTP Crossing, MD:12284.1, TVD:12157.4,N/S:-191.6, E/W:-1002.6, INC:37.71
20,020.0	12,265.4	7,426.9	-1,062.5	Last MWD Survey (MD=20020.0)
20,073.0	12,265.1	7,479.9	-1,060.8	Projection to B1 (MD=20073.0)

Checked By: _____ Approved By: _____ Date: _____



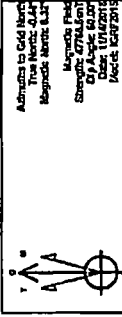
Lea County, NM (NAD 83 NME)
Dillon 31 Fed Com #701H
Plan #3

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

Geoid: System: US State Plane 1983
Datum: North American Datum 1983
Elevation: Unit: Meter
System: Datum: Mean Sea Level

WELL DETAILS: #701H

LOG: 25 @ 341.0m
Easting: 701513.00
Northing: 425441.00
Longitude: 107° 50' 14.624 W
Latitude: 32° 19' 3.221 N



To record a Magnetic Diposition in a Grid Direction, add 17.7° and
to convert a True Direction to a Grid Direction, subtract 17.7°

SECTION DETAILS

Sec	MD	Inc	Adj	TWO	45°W	Dip	True	Vertical
1	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
2	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
3	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
4	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
5	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
6	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
7	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
8	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
9	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
10	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
11	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
12	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
13	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
14	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
15	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
16	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
17	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
18	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
19	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
20	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00

Brassy Top (Dillon 31 Fed Com #701H)

TGT#1 (Dillon 31 Fed Com #701H)

TGT#2 (Dillon 31 Fed Com #701H)

TGT#3 (Dillon 31 Fed Com #701H)

TGT#4 (Dillon 31 Fed Com #701H)

TGT#5 (Dillon 31 Fed Com #701H)

PBUL (Dillon 31 Fed Com #701H)

WELLBORE DATA (WELLBORE DATA)

Sec	MD	Inc	Adj	TWO	45°W	Dip	True	Vertical
1	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
2	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
3	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
4	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
5	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
6	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
7	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
8	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
9	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
10	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
11	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
12	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
13	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
14	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
15	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
16	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
17	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
18	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
19	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00
20	1204.5	10.00	141.70	1420.5	-47.3	0.00	0.00	0.00

