

Form 2
(August 2007)

HOBBS OCD
DEC 13 2019
RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Hobbs

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMNM028881	
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. DILLON 31 FEDERAL COM 702H	
3. Address PO BOX 2267 MIDLAND, TX 79702		9. API Well No. 30-025-45977	
3a. Phone No. (include area code) Ph: 432-686-3658		10. Field and Pool, or Exploratory WC025G09S2433361; UP WOLCA	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 31 T24S R34E Mer NMP At surface SESE 284FSL 1173FEL 32.167573 N Lat, 103.504233 W Lon Sec 31 T24S R34E Mer NMP At top prod interval reported below SWSE 307FSL 1556FEL 32.166839 N Lat, 103.505319 W Lon Sec 30 T24S R34E Mer NMP At total depth NWSE 2527FSL 1580FEL 32.188234 N Lat, 103.505571 W Lon		11. Sec., T., R., M., or Block and Survey or Area Sec 31 T24S R34E Mer NMP	
14. Date Spudded 06/15/2019		12. County or Parish LEA	
15. Date T.D. Reached 07/02/2019		13. State NM	
16. Date Completed ☐ D & A ☒ Ready to Prod. 08/16/2019		17. Elevations (DF, KB, RT, GL)* 3436 GL	
18. Total Depth: MD TVD 19991 12187		20. Depth Bridge Plug Set: MD TVD	
19. Plug Back T.D.: MD TVD 19964 12187		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		11799		1524		0	
6.750	5.500 ICYP110	20.0		19976		770		4790	

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	12477	19964	12477 TO 19964	3.250	1624	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
12477 TO 19964	18,795,930 LBS PROPPANT; 320,169 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
08/16/2019	08/27/2019	24	→	3809.0	8025.0	6309.0	39.0		ACCEPTED FOR RECORD
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
76	SI	1018.0	→				2107	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
			→						BUREAU OF LAND MANAGEMENT
Choke Size	Tbg. Press. Flwg.	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 #483826 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation due 02/16/2020

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	1159		BARREN	RUSTLER	1159
T/SALT	1634		BARREN	T/SALT	1634
B/SALT	4988		OIL & GAS	B/SALT	4988
BRUSHY CANYON	7823		OIL & GAS	BRUSHY CANYON	7823
1ST BONE SPRING SAND	10230		OIL & GAS	1ST BONE SPRING SAND	10230
2ND BONE SPRING SAND	10872		OIL & GAS	2ND BONE SPRING SAND	10872
3RD BONE SPRING SAND	11879		OIL & GAS	3RD BONE SPRING SAND	11879
WOLFCAMP	12275		OIL & GAS	WOLFCAMP	12275

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 #483826 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 MADDOX

Title REGULATORY SPECIALIST

Signature (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

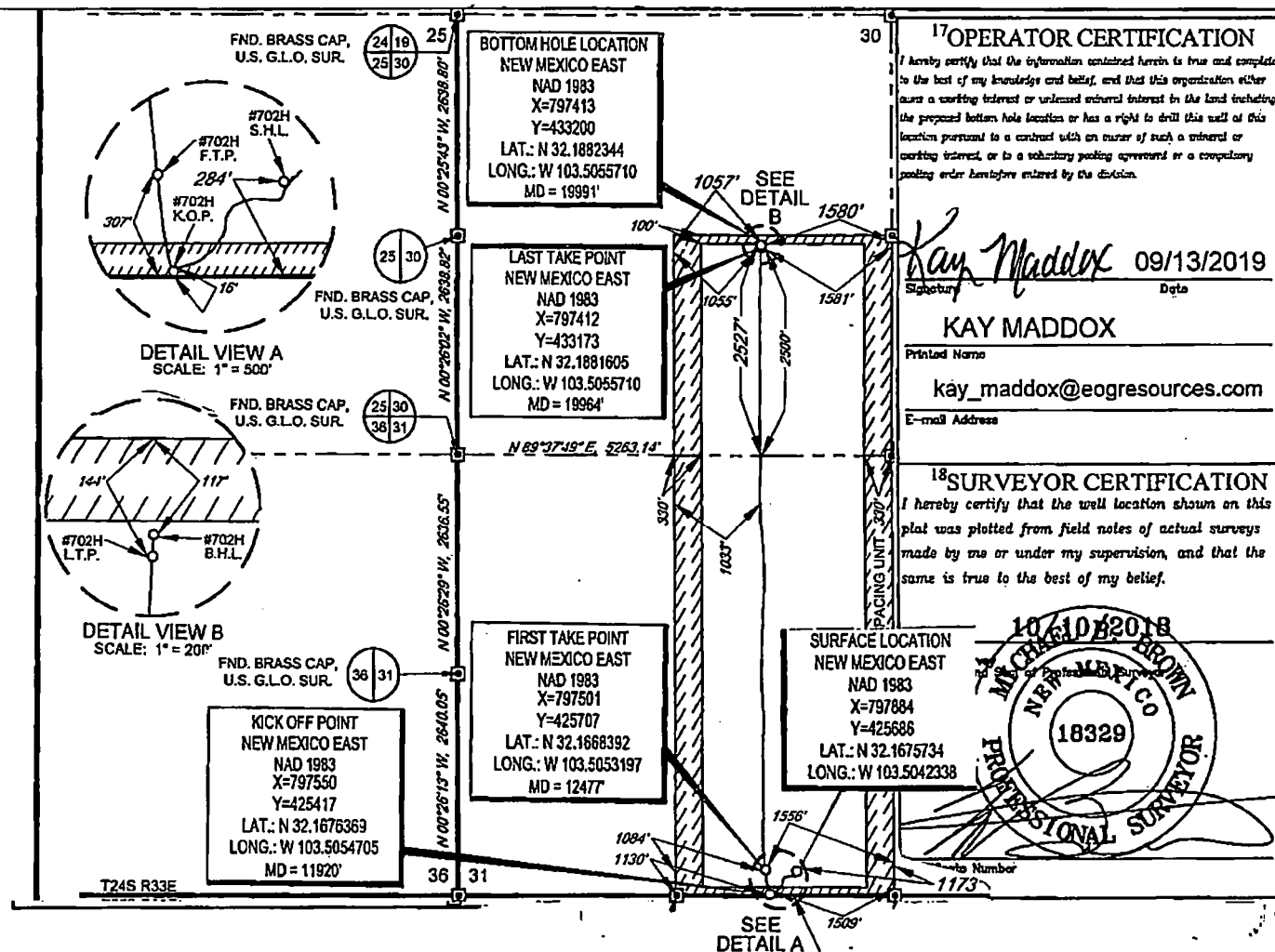
FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-45977		² Pool Code 98092		³ Pool Name WC025 G09 S243336I; UPPER WOLFCAMP	
⁴ Property Code 39126		⁵ Property Name DILLON 31 FED COM			⁶ Well Number #702H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3436'
¹⁰ Surface Location					
UL or lot no. P	Section 31	Township 24-S	Range 34-E	Lot Ida -	Feet from the 284'
		North/South line SOUTH		Feet from the 1173'	East/West line EAST
				County LEA	
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. J	Section 30	Township 24-S	Range 34-E	Lot Ida -	Feet from the 2527'
		North/South line SOUTH		Feet from the 1580'	East/West line EAST
				County LEA	
¹² Dedicated Acres 480.00		¹³ Joint or Infill		¹⁴ Consolidation Code	
				¹⁵ Order No.	

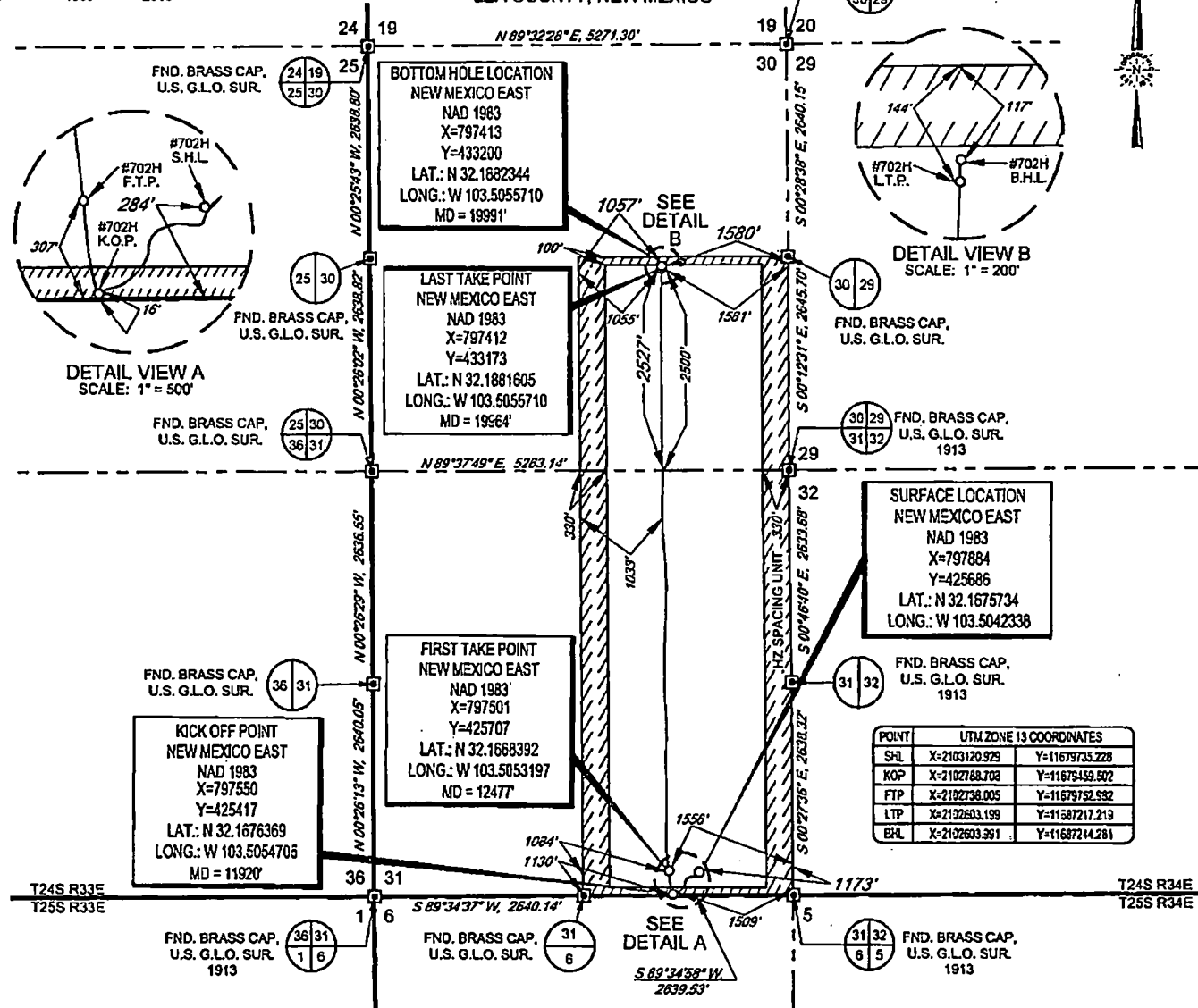
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SCALE: 1" = 2000'

0' 1000' 2000'

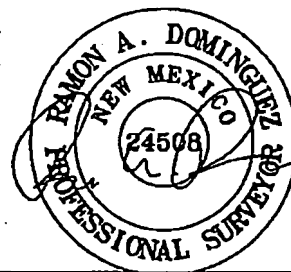
SECTION 31, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: DILLON 31 FED COM #702H
SECTION 31 TWP 24-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3437'
DESCRIPTION 284' FSL & 1173' FEL



1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



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



DILLON 31 FED COM #702H AS-COMPLETED		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 EDG 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.
DATE: 08/16/19			
FILE: AD_DILLON_31_FED_COM_702H			
DRAWN BY: H.B.			
SHEET: 1 OF 1			



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dillon 31 Fed Com

#702H

OH

Design: OH

Midland PVA

02 July, 2019



Midland PVA

Company:	EOG Resources - Midland		Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)		TVD Reference:	KB = 25' @ 3461.0usft
Site:	Dillon 31 Fed Com		MD Reference:	KB = 25' @ 3461.0usft
Well:	#702H		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:	425,688.00 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	#702H					
Well Position	+N-S	0.0 usft	Northng:	425,688.00 usft	Latitude:	32° 10' 3.260 N
From:	+E-W	0.0 usft	Eastng:	797,851.00 usft	Longitude:	103° 30' 15.240 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,438.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	11/14/2018	6.78	80.00	47,768.51678882

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	356.34	

Survey Program	Date 7/2/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
120.0	19,991.0	Total MWD #1 (OH)	MWD	OWSG MWD - Standard



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Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3461.0usft
Well:	#702H	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)	DLeg (°/100usft)	Buila (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
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
161.0	0.90	142.80	161.0	-0.3	0.2	2.20	2.20	0.00	-0.3	0.0
310.0	2.40	100.70	309.9	-1.8	4.0	1.23	1.01	-28.28	-4.2	-1.0
398.0	3.80	70.90	398.8	-1.1	8.6	2.35	1.57	-33.48	-7.7	-3.9
488.0	5.20	62.40	485.5	1.8	14.8	1.78	1.81	-9.77	-13.9	-5.4
575.0	3.60	72.10	574.3	4.3	21.0	1.88	-1.80	10.90	-21.4	-2.3
673.0	1.10	165.80	672.2	4.4	24.2	3.91	-2.55	95.61	-1.7	24.5
766.0	0.80	274.80	765.2	3.6	23.8	1.67	-0.32	117.20	23.4	-5.5
880.0	2.20	318.40	859.2	5.0	21.9	1.82	1.49	46.38	10.8	-19.7
953.0	3.70	15.50	952.1	9.2	21.5	3.35	1.61	61.40	-14.6	-16.3
1,047.0	5.20	60.70	1,045.8	14.2	28.1	3.92	1.60	48.09	-29.7	-0.4
1,139.0	3.00	80.00	1,137.6	16.3	32.1	3.23	-2.39	31.85	-32.1	16.3
1,232.0	2.20	211.30	1,230.5	14.7	33.6	4.89	-0.88	130.43	30.0	21.1
1,293.0	3.30	227.20	1,291.4	12.5	31.7	2.18	1.80	26.07	31.8	12.4
1,335.0	3.13	226.63	1,333.4	10.8	30.0	6.41	-0.40	-1.36	29.5	12.7
1,419.0	2.80	225.30	1,417.3	7.9	28.8	0.40	-0.39	-1.58	27.0	13.7
1,512.0	4.50	47.90	1,510.2	8.8	28.0	7.85	1.83	-180.75	-34.1	-13.3
1,608.0	5.50	45.80	1,603.8	14.4	33.9	1.08	1.06	-2.23	-49.9	-16.1
1,701.0	1.80	55.40	1,698.6	18.4	38.4	3.93	-3.89	10.11	-67.8	-8.5
1,795.0	0.70	61.30	1,792.8	19.5	40.1	1.18	-1.17	8.28	-78.9	1.7
1,880.0	0.70	28.80	1,887.6	20.3	40.9	0.44	0.00	-38.32	-76.6	-48.9
1,984.0	1.10	14.80	1,981.8	21.7	41.4	0.47	0.43	-12.77	-73.7	-70.3
2,078.0	1.40	22.60	2,075.8	23.6	42.1	0.37	0.32	8.30	-92.9	-64.8
2,172.0	1.50	37.30	2,169.5	25.7	43.3	0.41	0.11	15.64	-118.0	-41.7
2,267.0	1.70	38.00	2,264.5	27.8	44.9	0.21	0.21	0.74	-130.7	-43.1
2,361.0	1.80	44.80	2,358.5	30.0	46.8	0.31	0.21	7.23	-147.4	-28.9



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3481.0ush
Site:	Dillon 31 Fed Cont	MD Reference:	KB = 25' @ 3481.0ush
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (ush)	Inc. (°)	Asl (eal/muth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	IO Leg (°/100ush)	Budd (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
2,456.0	2.30	51.40	2,453.4	32.3	49.4	0.49	0.42	6.95	-163.2	-12.1
2,550.0	0.10	52.60	2,547.4	33.5	51.0	2.34	-2.34	1.28	-175.2	-9.0
2,644.0	0.20	51.40	2,641.4	33.6	51.2	0.11	0.11	-1.28	-185.0	-13.3
2,738.0	0.30	195.40	2,735.4	33.5	51.2	0.51	0.11	153.19	149.4	125.8
2,833.0	2.70	225.90	2,830.3	31.7	49.6	2.58	2.53	32.11	198.9	34.2
2,927.0	3.50	226.50	2,924.2	28.2	45.9	0.85	0.85	0.64	204.9	33.5
3,022.0	5.10	224.10	3,018.9	23.2	40.8	1.69	1.68	-2.53	206.0	43.7
3,116.0	8.30	224.40	3,112.3	15.3	33.2	3.40	3.40	0.32	204.9	44.5
3,211.0	9.00	221.10	3,206.2	4.8	23.5	0.90	0.74	-3.47	197.4	58.2
3,306.0	8.70	218.40	3,300.0	-6.4	14.2	0.54	-0.32	-2.84	189.3	69.8
3,400.0	7.80	211.50	3,393.1	-17.4	6.4	1.42	-0.96	-7.34	175.2	94.9
3,494.0	7.30	201.50	3,488.3	-28.4	0.9	1.49	-0.53	-10.84	152.2	128.0
3,589.0	7.10	193.50	3,580.5	-39.7	-2.7	1.08	-0.21	-8.42	128.7	153.5
3,684.0	5.60	218.90	3,675.0	-49.1	-7.0	3.31	-1.58	26.74	181.4	89.3
3,778.0	7.30	281.00	3,768.4	-53.6	-15.8	5.20	1.81	44.79	194.2	-55.8
3,872.0	8.40	271.70	3,861.5	-54.3	-28.5	1.84	1.17	11.38	175.7	-95.4
3,867.0	8.70	273.30	3,855.5	-53.7	-42.8	0.40	0.32	1.68	166.6	-106.2
4,061.0	9.60	277.70	4,048.3	-52.2	-57.5	1.21	0.98	4.68	150.3	-124.7
4,156.0	10.00	269.50	4,141.9	-51.2	-73.6	1.53	0.42	-8.63	158.5	-109.0
4,250.0	10.60	267.10	4,234.4	-51.7	-90.4	0.78	0.64	-2.55	154.3	-107.9
4,344.0	10.20	252.40	4,328.8	-54.7	-107.0	2.85	-0.43	-15.84	169.2	-70.6
4,439.0	10.30	248.10	4,420.3	-60.4	-122.9	0.81	0.11	-4.53	166.7	-60.7
4,532.0	9.20	251.80	4,512.0	-65.8	-137.6	1.38	-1.18	3.98	156.0	-73.5
4,627.0	7.70	229.00	4,606.0	-72.4	-149.7	3.83	-1.58	-24.00	168.7	-9.6
4,721.0	9.50	217.80	4,698.9	-82.8	-159.2	2.61	1.91	-11.91	162.8	24.9
4,816.0	9.10	213.70	4,792.7	-95.1	-168.1	0.81	-0.42	-4.32	154.5	39.5
4,910.0	8.10	192.80	4,885.5	-108.5	-173.9	3.50	0.00	-22.23	123.4	95.6



Midland PVA

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Site:	Dillon 31 Fed Com	ND Reference:	KB = 25' @ 3481.0ush
Well:	#702H	North Reference:	Gd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

ND (ush)	Incl (°)	Asl (azimuth) (°)	TVD (ush)	NS (ush)	EW (ush)	Dleg (°/100ush)	Bund (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
5,005.0	9.00	173.00	4,978.4	-123.2	-174.7	3.26	-0.11	-20.84	74.6	137.8
5,099.0	6.70	191.30	5,072.5	-135.9	-174.9	3.58	-2.45	19.47	108.2	116.8
5,194.0	5.60	197.80	5,166.9	-145.7	-177.4	1.37	-1.16	6.84	118.4	110.5
5,289.0	4.40	195.80	5,261.8	-153.7	-179.8	1.29	-1.26	-2.11	113.6	120.6
5,383.0	4.50	208.80	5,355.3	-160.4	-182.5	1.06	0.11	13.82	138.2	96.6
5,477.0	6.40	214.90	5,448.9	-167.9	-187.3	2.12	2.02	6.70	140.3	83.0
5,572.0	6.70	214.90	5,543.3	-178.8	-193.5	0.32	0.32	0.00	129.8	83.4
5,668.0	7.40	213.90	5,638.5	-188.3	-200.0	0.78	0.74	-1.06	118.8	85.6
5,761.0	8.00	217.80	5,730.7	-198.6	-207.5	0.85	0.63	4.21	109.7	77.7
5,855.0	7.00	228.80	5,823.9	-205.5	-215.8	1.85	-1.06	11.60	110.3	56.6
5,950.0	7.00	230.20	5,918.2	-213.1	-224.6	0.18	0.00	1.47	100.1	54.0
6,044.0	7.60	229.10	6,011.4	-220.8	-233.7	0.68	0.84	-1.17	87.1	55.8
6,138.0	7.20	228.40	6,104.6	-228.8	-242.8	0.44	-0.43	-0.74	74.3	56.8
6,232.0	6.50	233.80	6,198.0	-235.8	-251.5	1.01	-0.74	5.74	68.1	50.0
6,327.0	5.60	242.60	6,292.4	-241.2	-260.1	1.23	-0.74	9.28	64.9	39.7
6,421.0	4.90	254.70	6,386.0	-244.5	-269.2	1.53	-0.96	12.87	63.1	28.1
6,516.0	4.50	251.80	6,480.7	-248.7	-275.6	0.49	-0.42	-3.05	54.0	29.1
6,610.0	4.50	254.50	6,574.4	-248.8	-282.7	0.23	0.00	2.87	47.9	26.7
6,704.0	4.60	253.80	6,668.1	-250.9	-289.9	0.12	0.11	-0.74	40.1	27.2
6,798.0	5.30	252.90	6,761.7	-253.2	-297.6	0.75	0.74	-0.96	31.5	27.8
6,892.0	5.50	253.10	6,855.3	-255.8	-306.1	0.21	0.21	0.21	22.8	27.7
6,987.0	4.80	255.70	6,949.9	-258.1	-314.3	0.78	-0.74	2.74	15.5	26.8
7,081.0	3.50	263.70	7,043.7	-259.4	-321.0	1.51	-1.38	8.51	12.4	24.9
7,175.0	1.20	262.20	7,137.6	-259.8	-324.8	2.45	-2.45	-1.60	7.9	25.1
7,269.0	0.70	267.80	7,231.6	-260.0	-326.3	0.54	-0.53	5.96	8.7	24.3
7,364.0	0.70	255.20	7,326.6	-260.2	-327.5	0.16	0.00	-13.28	2.1	25.5
7,458.0	0.70	255.20	7,420.6	-260.5	-328.6	0.00	0.00	0.00	0.9	25.5



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3481.0usd
Site:	Dillon 31 Fed Com	ND Reference:	KB = 25' @ 3481.0usd
Well:	#702H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usd)	Inc (°)	Azi (azimuth) (°)	TVD (usd)	N/S (usd)	EW (usd)	DLeg (°/100usd)	Bulln (°/100usd)	Turn (°/100usd)	High to Plan (usd)	Right to Plan (usd)
7,552.0	0.30	252.30	7,514.8	-250.7	-329.4	0.43	-0.43	-3.09	-1.2	25.6
7,647.0	0.80	55.00	7,609.8	-260.4	-329.1	1.15	0.53	171.28	8.3	-23.9
7,741.0	0.50	58.70	7,703.6	-259.8	-328.2	0.32	-0.32	3.94	5.7	-24.4
7,839.0	0.60	108.30	7,798.8	-259.7	-327.4	0.49	0.11	52.21	-15.6	-19.8
7,930.0	0.30	142.10	7,892.6	-260.2	-328.6	0.36	-0.11	35.86	-24.8	-7.5
8,025.0	0.70	148.50	7,987.6	-261.0	-326.1	0.22	0.21	6.74	-26.5	-4.6
8,119.0	0.90	166.10	8,081.6	-262.2	-325.6	0.33	0.21	18.72	-29.0	3.8
8,213.0	1.10	170.00	8,175.5	-263.8	-325.3	0.22	0.21	4.15	-29.3	5.7
8,307.0	1.10	166.80	8,269.5	-265.6	-324.9	0.07	0.00	-3.40	-31.3	4.0
8,401.0	0.80	101.10	8,353.5	-266.6	-324.1	1.13	-0.32	-69.89	-17.6	-27.7
8,495.0	1.20	82.80	8,458.5	-266.6	-322.4	0.53	0.42	-19.26	-9.6	-32.1
8,590.0	1.10	89.40	8,552.5	-266.6	-320.6	0.37	-0.11	17.66	-20.2	-27.7
8,685.0	1.00	93.10	8,647.5	-266.8	-318.8	0.16	-0.11	-6.63	-18.8	-29.8
8,779.0	0.70	105.10	8,741.5	-267.0	-317.5	0.37	-0.32	12.77	-26.0	-25.1
8,873.0	0.60	131.90	8,835.4	-267.5	-316.5	0.34	-0.11	28.51	-35.5	-10.4
8,968.0	0.80	139.10	8,930.4	-268.3	-315.7	0.23	0.21	7.59	-37.7	-5.8
9,063.0	1.00	148.00	9,025.4	-268.5	-314.9	0.26	0.21	9.37	-39.6	0.2
9,157.0	0.80	162.30	9,110.4	-270.9	-314.2	0.32	-0.21	15.21	-39.8	10.1
9,251.0	0.60	176.50	9,213.4	-272.0	-314.0	0.28	-0.21	15.11	-37.2	19.8
9,348.0	0.70	191.90	9,308.4	-273.0	-314.1	0.21	0.11	16.21	-31.7	29.1
9,440.0	0.30	208.00	9,402.4	-273.8	-314.3	0.45	-0.43	17.13	-23.2	36.9
9,536.0	1.10	354.30	9,499.4	-273.1	-314.5	1.42	0.83	152.40	39.1	-17.7
9,630.0	0.40	354.80	9,592.4	-271.9	-314.6	0.74	-0.74	0.53	37.7	-18.0
9,725.0	0.30	215.50	9,687.4	-271.8	-314.8	0.69	-0.11	-148.63	-16.8	38.0
9,819.0	1.20	338.50	9,781.4	-271.1	-315.3	1.47	0.96	130.85	40.2	-8.4
9,913.0	1.50	352.80	9,875.4	-268.9	-315.8	0.48	0.32	15.21	35.2	-15.9
10,007.0	0.00	59.60	9,969.3	-267.7	-316.0	1.60	-1.60	0.00	31.7	-20.0



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NMS)	TVD Reference:	KB = 25' @ 3461.0usft
Site:	Dillon 31 Fed Com	MO Reference:	KB = 25' @ 3461.0usft
Well:	#702H	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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,102.0	0.70	233.60	10,064.3	-268.0	-316.5	0.74	0.74	0.00	-3.3	37.4
10,198.0	0.40	287.30	10,158.3	-268.3	-317.2	0.60	-0.32	57.13	27.5	25.2
10,291.0	0.30	349.30	10,253.3	-267.9	-317.6	0.39	-0.11	65.26	34.8	-12.1
10,385.0	0.60	318.50	10,347.3	-267.3	-318.0	0.40	0.32	-32.77	35.4	7.3
10,479.0	1.00	325.90	10,441.3	-266.3	-318.8	0.44	0.43	7.87	34.7	2.7
10,573.0	2.20	316.20	10,535.3	-264.3	-320.5	1.30	1.28	-10.32	31.2	8.4
10,668.0	1.50	326.20	10,630.2	-262.0	-322.4	0.81	-0.74	10.53	29.1	3.2
10,763.0	1.00	349.60	10,725.2	-260.1	-323.3	0.74	-0.53	24.83	28.0	-8.2
10,857.0	1.00	343.50	10,819.2	-258.5	-323.6	0.11	0.00	-8.49	25.1	-5.5
10,952.0	0.80	306.30	10,914.2	-257.3	-324.4	0.64	-0.21	-39.16	22.0	10.3
11,046.0	0.80	288.30	11,008.2	-256.7	-325.6	0.27	0.00	-19.15	16.4	16.4
11,140.0	0.50	325.90	11,102.2	-256.2	-326.4	0.54	-0.32	40.00	22.1	3.4
11,234.0	0.20	34.70	11,166.2	-255.7	-326.6	0.50	-0.32	73.16	10.8	-19.0
11,329.0	0.60	227.20	11,291.2	-255.9	-328.8	0.84	0.42	-176.32	-6.8	20.8
11,423.0	1.60	234.00	11,385.1	-257.0	-328.2	1.07	1.06	7.23	-6.1	21.6
11,517.0	2.50	213.30	11,479.1	-256.5	-330.4	1.23	0.96	-22.02	-16.6	17.8
11,611.0	1.50	220.00	11,573.0	-262.2	-332.4	1.09	-1.06	7.13	-17.7	18.8
11,706.0	1.30	166.20	11,668.0	-264.2	-333.3	0.88	-0.21	-35.58	-27.7	5.8
11,781.0	1.70	179.50	11,723.0	-265.6	-333.3	0.79	0.73	-12.16	-29.6	2.4
11,800.0	1.80	179.71	11,762.0	-266.8	-333.3	0.26	0.26	0.54	-30.8	2.5
11,840.0	1.90	179.90	11,801.9	-268.1	-333.3	0.25	0.25	0.47	-32.1	2.8
11,920.0	1.02	246.74	11,881.8	-269.7	-334.0	2.21	-1.10	83.55	-11.4	31.8
11,933.0	1.10	261.70	11,894.9	-269.8	-334.2	2.21	0.62	115.08	-3.1	33.7
11,980.0	7.70	332.30	11,941.8	-267.0	-336.1	15.76	14.04	150.21	27.6	14.7
12,028.0	16.20	341.50	11,988.7	-257.8	-339.7	18.09	17.71	19.17	23.9	11.3
12,075.0	21.60	346.60	12,033.1	-243.2	-343.8	12.00	11.49	10.85	17.7	10.5
12,122.0	28.10	345.00	12,075.8	-224.1	-348.7	13.90	13.83	-3.40	8.8	12.2



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
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:	#702H	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)	Build ("/100ush)	Turn ("/100ush)	High to Plan (ush)	Right to Plan (ush)
12,169.0	32.80	348.80	12,116.3	-200.9	-354.5	10.40	10.21	3.83	2.8	13.7
12,218.0	35.60	351.00	12,155.1	-175.0	-359.5	7.83	5.74	8.94	-2.8	14.8
12,263.0	41.20	354.00	12,191.9	-146.0	-363.3	12.55	11.91	8.38	-7.2	14.7
12,311.0	47.70	352.40	12,226.2	-112.7	-367.3	13.74	13.54	-3.33	-12.9	13.9
12,358.0	51.90	353.50	12,256.5	-77.1	-371.7	8.11	8.94	2.34	-17.7	13.5
12,405.0	53.00	352.50	12,285.2	-40.1	-376.2	2.88	2.34	-2.13	-20.1	12.6
12,452.0	56.30	354.50	12,312.3	-2.0	-380.6	7.83	7.02	4.26	-19.2	11.9
12,500.0	64.30	353.70	12,336.1	39.4	-384.9	16.73	18.67	-1.67	-18.4	10.2
12,547.0	74.70	353.10	12,352.5	83.1	-389.9	22.16	22.13	-1.28	-20.2	8.0
12,594.0	80.30	353.20	12,362.7	128.6	-395.4	11.92	11.91	0.21	-23.6	8.1
12,641.0	81.90	353.10	12,370.0	174.7	-400.9	3.41	3.40	-0.21	-25.2	7.1
12,688.0	82.20	353.30	12,376.5	221.0	-406.4	0.76	0.64	0.43	-22.7	6.0
12,735.0	85.70	354.80	12,381.4	267.4	-411.3	8.09	7.45	3.19	-17.6	4.5
12,783.0	90.60	355.60	12,383.0	315.2	-415.3	10.34	10.21	1.67	-15.5	3.0
12,877.0	93.30	0.90	12,378.8	409.1	-418.2	6.32	2.87	5.64	-17.4	-1.4
12,972.0	89.90	3.40	12,377.1	504.0	-414.6	4.44	-3.58	2.83	-18.8	-7.8
13,068.0	88.80	1.20	12,378.2	597.9	-410.8	2.62	-1.17	-2.34	-16.5	-12.2
13,160.0	89.40	359.80	12,379.7	691.9	-410.0	1.62	0.84	-1.49	-13.8	-13.8
13,254.0	88.30	0.00	12,381.6	785.8	-410.2	1.19	-1.17	0.21	-10.8	-14.4
13,348.0	87.40	359.90	12,385.1	879.8	-410.3	0.86	-0.96	-0.11	-6.3	-15.1
13,443.0	89.00	1.10	12,388.1	974.7	-409.4	2.10	1.68	1.28	-2.4	-16.7
13,537.0	89.40	357.60	12,389.4	1,069.7	-410.5	3.75	0.43	-3.72	-0.1	-18.4
13,631.0	92.50	357.30	12,387.8	1,162.6	-414.7	3.31	3.30	-0.32	-0.7	-13.0
13,728.0	92.80	358.20	12,383.4	1,257.4	-418.4	1.00	0.32	0.95	-4.1	-10.1
13,820.0	93.00	359.80	12,378.7	1,351.3	-420.0	1.71	0.21	1.70	-7.9	-8.3
13,914.0	93.90	0.10	12,373.0	1,445.1	-420.1	1.01	0.96	0.32	-12.6	-10.9
14,009.0	93.60	0.40	12,366.8	1,539.9	-419.7	0.45	-0.32	0.32	-17.8	-11.2



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
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:	#702H	North Reference:	Grid
WellBore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (ush)	Incl (°)	Asl (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)	
14,103.0	88.60	0.80	12,365.0	1,633.8	-418.9	5.32	-5.32	0.21	-18.7	-12.8	
14,189.0	87.30	1.60	12,368.4	1,728.8	-417.1	1.73	-1.37	1.05	-14.1	-15.4	
14,292.0	80.40	359.80	12,370.3	1,822.7	-415.9	3.81	3.30	-1.91	-10.4	-17.3	
14,388.0	80.90	356.70	12,369.2	1,916.6	-418.8	3.34	0.53	-3.30	-9.7	-15.2	
14,480.0	80.70	356.90	12,367.9	2,010.5	-424.0	0.30	-0.21	0.21	-9.3	-10.8	
14,575.0	94.00	358.20	12,364.0	2,105.2	-429.7	3.55	3.47	-0.74	-11.3	-5.8	
14,669.0	95.80	357.20	12,356.0	2,168.7	-435.1	2.18	1.91	1.06	-17.6	-1.3	
14,763.0	95.30	357.80	12,346.9	2,292.2	-439.2	0.83	-0.53	0.64	-24.9	2.1	
14,857.0	65.30	358.00	12,338.2	2,385.8	-441.8	1.27	0.00	1.28	-31.8	3.8	
14,951.0	60.70	359.60	12,333.3	2,479.6	-443.0	4.93	-4.89	0.64	-34.9	4.2	
15,046.0	69.60	0.50	12,333.0	2,574.6	-442.9	1.50	-1.16	0.95	-33.3	3.3	
15,140.0	91.00	0.70	12,332.6	2,668.6	-441.9	1.50	1.49	0.21	-32.0	1.6	
15,234.0	93.80	2.80	12,328.8	2,762.4	-439.0	3.79	2.98	2.34	-34.2	-2.2	
15,274.0	95.30	4.10	12,325.4	2,802.2	-436.5	4.80	3.75	3.00	-38.3	-5.0	
15,368.0	95.30	1.70	12,316.8	2,895.7	-431.8	2.54	0.60	-2.55	-42.5	-10.5	
15,482.0	94.60	2.40	12,308.6	2,989.3	-428.4	1.05	-0.74	0.74	-48.1	-14.7	
15,557.0	93.60	2.80	12,301.6	3,083.9	-424.1	0.85	-0.74	0.42	-52.6	-19.8	
15,651.0	93.40	1.70	12,295.6	3,177.7	-420.5	1.28	-0.53	-1.17	-56.1	-24.2	
15,748.0	91.90	1.20	12,291.2	3,272.5	-418.1	1.66	-1.58	-0.53	-58.0	-27.4	
15,840.0	90.10	1.20	12,289.6	3,366.5	-416.1	1.91	-1.91	0.00	-57.2	-30.1	
15,934.0	89.70	0.70	12,289.8	3,460.5	-414.5	0.68	-0.43	-0.53	-54.5	-32.5	
16,029.0	89.60	359.60	12,290.3	3,558.8	-414.3	1.16	-0.11	-1.16	-51.4	-33.5	
16,123.0	90.60	358.20	12,290.2	3,649.5	-416.1	1.83	1.06	-1.49	-49.1	-32.4	
16,218.0	90.80	355.90	12,289.0	3,744.3	-421.0	2.43	0.21	-2.42	-47.8	-28.3	
16,312.0	90.20	355.50	12,288.2	3,838.0	-428.0	0.77	-0.64	-0.43	-49.2	-22.0	
16,406.0	91.10	355.50	12,287.1	3,931.8	-435.4	0.86	0.96	0.00	-44.7	-15.4	
16,500.0	90.40	354.70	12,285.9	4,025.4	-443.4	1.13	-0.74	-0.85	-43.5	-8.2	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
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:	#702H	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)	
16,593.0	89.40	353.80	12,286.1	4,119.9	-452.9	1.42	-1.05	-0.95	-40.8	0.5	
16,699.0	88.50	356.90	12,287.8	4,213.6	-460.6	3.43	-0.96	3.30	-36.5	7.3	
16,783.0	88.50	357.10	12,290.2	4,307.4	-465.5	0.21	0.00	0.21	-31.6	11.4	
16,878.0	91.60	359.10	12,290.2	4,402.4	-468.6	3.88	3.26	2.11	-29.2	13.8	
16,972.0	93.00	359.80	12,286.4	4,496.3	-489.5	1.86	1.49	0.74	-30.5	13.9	
17,068.0	93.20	0.80	12,281.3	4,590.1	-492.2	0.88	0.21	0.85	-33.1	12.7	
17,160.0	93.40	0.70	12,275.9	4,684.0	-488.1	0.24	0.21	0.11	-36.0	10.9	
17,255.0	94.00	0.60	12,269.8	4,778.8	-487.1	0.64	0.63	-0.11	-39.6	9.0	
17,349.0	93.80	359.60	12,263.4	4,872.5	-466.9	1.08	-0.21	-1.06	-43.5	8.1	
17,444.0	93.50	358.10	12,257.3	4,967.3	-468.0	0.81	-0.32	-0.53	-47.0	8.4	
17,538.0	92.00	358.10	12,252.8	5,061.2	-470.3	1.92	-1.60	-1.06	-49.0	9.9	
17,632.0	88.40	358.10	12,252.5	5,155.1	-473.4	3.83	-3.83	0.00	-46.8	12.3	
17,726.0	89.60	359.40	12,254.1	5,249.1	-475.4	1.88	1.28	1.38	-42.8	13.5	
17,821.0	88.50	359.20	12,255.7	5,344.1	-476.8	1.18	-1.18	-0.21	-38.7	13.9	
17,915.0	91.20	359.50	12,255.9	5,438.1	-477.7	2.89	2.87	0.32	-36.0	14.1	
18,009.0	91.50	0.40	12,253.7	5,532.0	-477.8	1.01	0.32	0.96	-36.1	13.4	
18,104.0	90.50	0.20	12,252.1	5,627.0	-477.3	1.07	-1.05	-0.21	-35.5	12.1	
18,198.0	90.30	0.90	12,251.4	5,722.0	-476.3	0.77	-0.21	0.74	-33.9	10.4	
18,293.0	92.80	1.40	12,248.9	5,815.9	-474.5	2.71	2.66	0.53	-34.2	7.7	
18,387.0	92.50	358.00	12,244.5	5,909.8	-474.9	3.63	-0.32	-3.62	-38.4	7.5	
18,482.0	93.30	358.40	12,239.7	6,004.7	-477.9	0.94	0.84	0.42	-38.9	9.8	
18,576.0	90.80	359.90	12,236.4	6,098.6	-479.3	3.10	-2.66	1.60	-40.1	10.2	
18,670.0	90.30	359.70	12,235.4	6,192.6	-478.6	0.57	-0.53	-0.21	-38.8	9.8	
18,765.0	91.50	0.20	12,234.0	6,287.6	-479.7	1.37	1.26	0.53	-38.0	9.0	
18,859.0	92.40	0.60	12,230.8	6,381.5	-478.1	1.05	0.96	0.43	-39.0	7.6	
18,952.0	93.40	358.80	12,226.1	6,474.4	-479.8	2.21	1.08	-1.94	-41.5	7.3	
19,047.0	90.80	359.50	12,222.6	6,569.3	-481.0	2.83	-2.74	0.74	-42.8	7.9	



Midland PVA

Company:	EOG Resources - Midland	Local Coordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3481.0ush
Site:	Dillon 31 Fed Cem	MD Reference:	KB = 25' @ 3481.0ush
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (ush)	Loc (')	Azl (azimuth) (°)	TVD (ush)	N/S (ush)	E/W (ush)	DLeg (°/100ush)	Build (°/100ush)	Turn (°/100ush)	High to Plan (ush)	Right to Plan (ush)
19,141.0	89.60	0.00	12,222.2	6,663.3	-481.4	1.38	-1.28	0.53	-40.9	7.6
19,235.0	89.00	0.60	12,223.4	6,758.3	-480.9	0.89	-0.63	0.63	-37.5	8.3
19,331.0	91.40	359.70	12,223.1	6,853.3	-480.8	2.70	2.53	-4.95	-35.8	5.2
19,426.0	91.80	359.70	12,220.4	6,948.2	-481.1	0.42	0.42	0.00	-36.0	4.9
19,520.0	92.30	0.20	12,217.1	7,042.2	-481.2	0.75	0.53	0.53	-37.2	4.2
19,615.0	92.30	-0.60	12,213.2	7,137.1	-480.5	0.42	0.00	0.42	-38.8	2.7
19,709.0	92.70	1.30	12,209.1	7,231.0	-479.0	0.88	0.43	0.74	-40.6	0.4
19,803.0	95.20	1.60	12,202.7	7,324.7	-476.6	2.68	2.66	0.32	-44.9	-2.8
19,898.0	94.20	1.80	12,194.9	7,419.4	-473.7	1.10	-1.03	0.32	-50.5	-6.5
19,944.0	94.80	2.00	12,191.3	7,465.2	-472.2	1.32	1.30	0.22	-53.0	-6.4
19,991.0	95.00	2.10	12,187.3	7,512.0	-470.5	0.48	0.43	0.21	-55.9	-10.5

Measured Depth (ush)	Vertical Depth (ush)	Local Coordinates +N-S (ush)	+E/W (ush)	Comment
11,920.0	11,831.9	-268.7	-334.0	KOP, MD:11920.0', TVD:11891.6', N/S:-268.7', E/W:-334.0', INC:1.02
12,196.5	12,139.1	-188.0	-357.6	FTP Crossing, MD:12196.5', TVD:12139.1', N/S:-188.0', E/W:-357.6', INC:34.46
19,944.0	12,191.3	7,465.2	-472.2	Last MWD Survey (MD=19944.0')
19,991.0	12,187.3	7,512.0	-470.5	Projection to Bit (MD=19991.0')

Checked By: _____	Approved By: _____	Date: _____
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Lea County, NM (NAD 83 NME)

Dillon 31 Fed Com #702H

Plan#2

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

Geodetic System: US State Plane 1883
Datum: North American Datum 1983
Elevation: GPS 1883
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #702H

NB = 25° @ 345.0m
Northing: 42585.00
Easting: 77784.00
Latitude: 32° 10' 3.250 N
Longitude: 103° 30' 13.240 W



Adjust to Grid North
True North: 0.00°
Magnetic North: 0.32°

Magnetic Field
Strength: 47764.0mT
Dip Angle: 60.00°
Date: 10/14/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 0.32°
To convert a Magnetic Direction to a True Direction, Add 0.32° East
To convert a True Direction to a Grid Direction, Subtract 0.32°

SECTION DETAILS

Sec	MD	Loc	Adj	TVD	+N-S	+E-W	Deg	TFace	VFace	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1700.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1800.0	0.00	234.92	1699.8	-9.0	-12.9	2.00	234.92	-4.3	
4	8225.8	0.00	234.92	8203.4	-327.0	-323.1	0.00	0.00	-335.9	
5	5326.0	0.00	0.00	5303.0	-326.0	-328.0	2.00	132.00	-214.1	
6	5184.0	0.00	0.00	5182.0	-218.0	-338.0	0.00	0.00	-214.1	
7	12850.0	0.178	351.08	12398.4	-243.1	-423.8	12.00	351.08	258.3	
8	12180.8	0.075	359.52	12180.1	-483.4	-422.1	3.00	80.00	819.4	
9	13180.8	0.075	359.52	12780.0	-728.4	-424.1	0.00	0.00	789.0	TGT#1(Dillon 31 Fed Com #702H)
10	13184.7	0.081	359.52	12782.9	-737.5	-424.2	2.00	178.54	783.1	
11	14181.2	0.058	359.52	12882.0	-1687.9	-422.2	0.00	0.00	1722.0	TGT#2(Dillon 31 Fed Com #702H)
12	14180.3	0.108	358.52	12382.8	-2723.0	-432.4	2.00	0.00	1747.1	
13	16210.0	0.109	359.52	12383.0	-2723.0	-441.0	0.00	0.00	2775.0	TGT#3(Dillon 31 Fed Com #702H)
14	16213.5	0.122	359.52	12382.8	-2773.8	-441.2	2.00	0.00	2798.3	
15	17234.9	0.122	359.52	12292.0	-519.4	-432.2	0.00	0.00	5415.0	TGT#4(Dillon 31 Fed Com #702H)
16	17234.9	0.122	359.52	12292.0	-519.4	-432.2	2.00	-180.00	6423.4	
17	18379.2	0.135	359.52	12243.0	-7810.0	-481.0	0.00	0.00	7523.4	PSHL(Dillon 31 Fed Com #702H)

CALCULATED DETAILS

No casing data is available

WELLS TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Boundary Top(Dillon 31 Fed Com #702H)	7820.0	-234.0	-378.0	42540.00	77784.00
P004(Dillon 31 Fed Com #702H)	12243.0	-762.0	-489.0	41734.00	76743.00
TGT#1(Dillon 31 Fed Com #702H)	12383.0	-483.4	-431.2	41721.40	76740.80
TGT#2(Dillon 31 Fed Com #702H)	12782.9	-737.5	-441.0	42543.50	76740.35
TGT#3(Dillon 31 Fed Com #702H)	12882.0	-1687.9	-422.2	42785.80	76743.70
TGT#4(Dillon 31 Fed Com #702H)	12382.8	-2723.0	-432.4	42541.60	76740.91
PTP(Dillon 31 Fed Com #702H)	12433.0	-519.4	-419.0	42550.00	76744.00

