HOBBS OCD

DEC 04 2019

RECEIVED

NMOCD Hobbs

Form 3160-4 (August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM121490

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

8. Lease Name and Well No.: COLGROVE 35 FEDERAL COM 701H

3. Address: PO BOX 2267, MIDLAND, TX 79702

3a. Phone No. (include area code): Ph: 432-686-3658

9. API Well No.: 30-025-43018

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 35 T26S R33E Mer NMP SWNW 429FSL 309FWL 32.001438 N Lat, 103.550635 W Lon
At top prod interval reported below: Sec 35 T26S R33E Mer NMP SWNW 231FSL 345FWL 32.000894 N Lat, 103.550520 W Lon
At total depth: Sec 26 T26S R33E Mer NMP, NWNW 110FNL 346FWL 32.021392 N Lat, 103.550521 W Lon

10. Field and Pool, or Exploratory: SANDERS TANK;UPPER WOLFCA

11. Sec., T., R., M., or Block and Survey or Area: Sec 35 T26S R33E Mer NMP

12. County or Parish: LEA

13. State: NM

14. Date Spudded: 03/14/2019

15. Date T.D. Reached: 04/17/2019

16. Date Completed ☐ D & A ☒ Ready to Prod. 07/15/2019

17. Elevations (DF, KB, RT, GL)*: 3320 GL

18. Total Depth: MD 19940 TVD 12438

19. Plug Back T.D.: MD 19915 TVD 12438

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J55	40.0		1000		525		0	
8.750	7.625 HCP110	29.7		11791		3135		62	
6.750	5.500 ICYP110	20.0		19927		720		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 / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	WOLFCAMP	12469	19915	12469 TO 19915	3.250	1560	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
12469 TO 19915	18,351,087 LBS PROPPANT; 307,077 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
07/15/2019	07/18/2019	24	→	2784.0	4896.0	10731.0	46.0		FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
64		1921.0	→				1759	POW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

ACCEPTED FOR RECORD
NOV 15 2019
BUREAU OF LAND MANAGEMENT
ROSWELL FIELD OFFICE

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

ELECTRONIC SUBMISSION #475372 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation due: 01/15/2020

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	844		BARREN	RUSTLER	844
T/SALT	1199		BARREN	T/SALT	1199
B/SALT	4858		BARREN	B/SALT	4858
BRUSHY CANYON	7714		OIL & GAS	BRUSHY CANYON	7714
1ST BONE SPRING SAND	10229		OIL & GAS	1ST BONE SPRING SAND	10229
2ND BONE SPRING SAND	10772		OIL & GAS	2ND BONE SPRING SAND	10772
3RD BONE SPRING SAND	11852		OIL & GAS	3RD BONE SPRING SAND	11852
WOLFCAMP	12276		OIL & GAS	WOLFCAMP	12276

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 #475372 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 07/26/2019

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 fradulent 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., Sante 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.
Sante 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	[2]Pool Code	[3]Pool Name
30-025- 43018	98097	SANDERS TANK; Upper Wolfcamp

[4]Property Code	[5]Property Name	[6]Well Number
315730	COLGROVE 35 FED COM	#701H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3320'

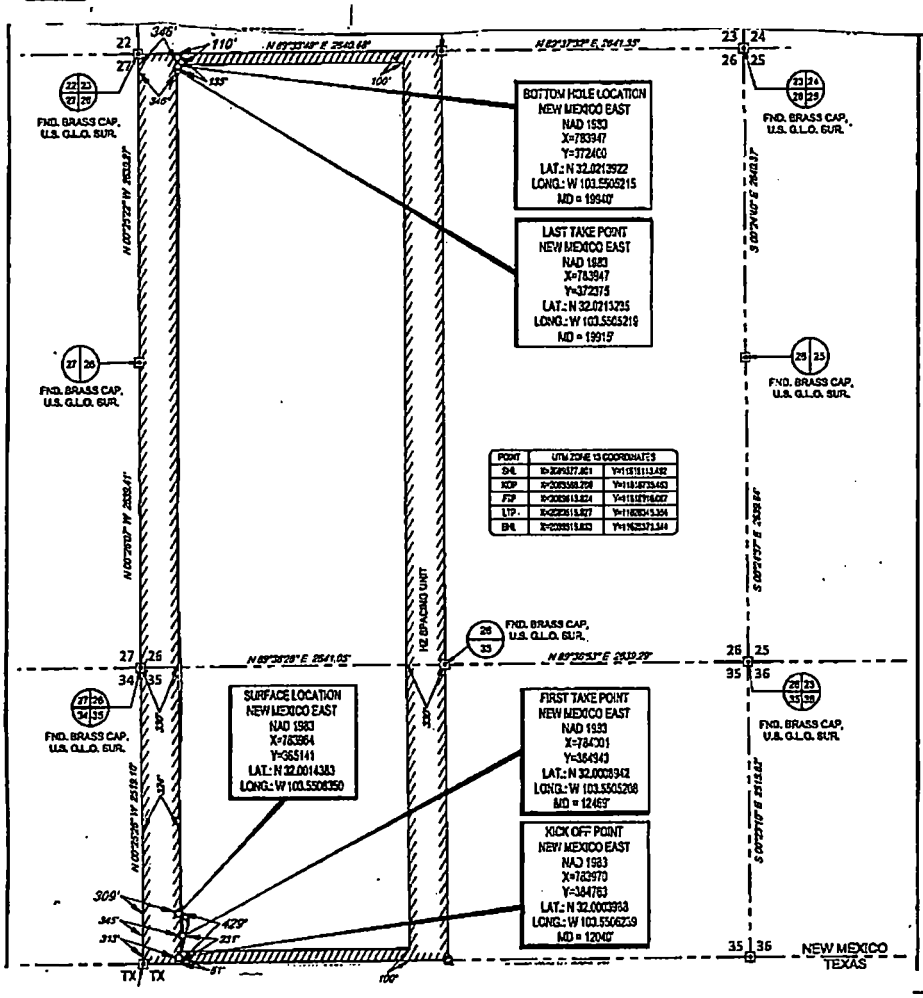
[10]Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	35	26-S	33-E	–	429'	SOUTH	309'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	26	26-S	33-E	–	110	North	346'	WEST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
156.62			

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



[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kay Maddox 7/29/19
Signature Date

KAY MADDOX
Printed Name

E-mail Address

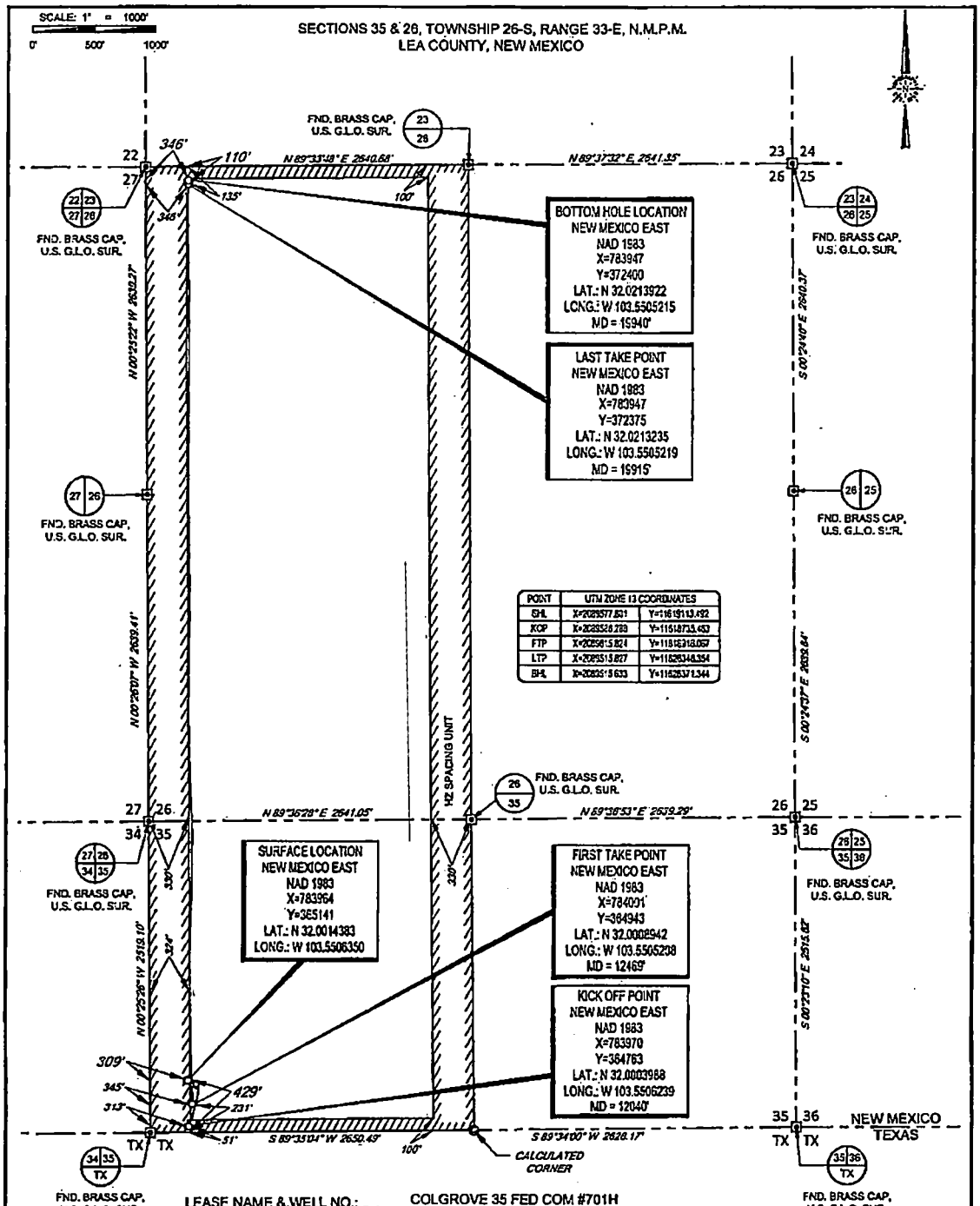
[18]SURVEYOR CERTIFICATION

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

05/12/2015
Date of Survey
Signature and Seal of Professional Surveyor

MICHAEL BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number



LEASE NAME & WELL NO.: COLGROVE 35 FED COM #701H
SECTION 35 TWP 26-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3319'
DESCRIPTION 429' FSL & 309' FWL

RAMON A. DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 145 • 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
JULY 11, 2019

eog resources, inc.

	REVISION:	
COLGROVE 35 FED #701H AS-COMPLETED		
DATE: 07/11/19		
FILE: AD_COLGROVE_35_FED_701H		
DRAWN BY: H.B.		
SHEET: 1 OF 1		

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
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

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Colgrove 35 Fed Com
#701H
OH

Design: OH

Midland PVA

17 April, 2019

Company:	EOG Resources - Midland		Local Co-ordinate Reference:	Well 9701H	
Project:	Lea County, NM (NAD 83 NME)		TVD Reference:	KB = 25 @ 3344.0usft	
Site:	Colgrove 35 Fed Com		MD Reference:	KB = 25 @ 3344.0usft	
Well:	9701H		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 Colgrove 35 Fed Com

Site Position:		Northing:	364,902.00 usft	Latitude:	32° 0' 2.718 N
From:	Map	Easting:	785,291.00 usft	Longitude:	103° 32' 46.899 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well 9701H

Well Position	+N/-S	0.0 usft	Northing:	365,141.00 usft	Latitude:	32° 0' 5.178 N
	+E/-W	0.0 usft	Easting:	783,964.00 usft	Longitude:	103° 33' 2.268 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,319.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/30/2019	6.75	59.84	47,642.40430410

Design OH

Audit Notes:

Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.74

Survey Program Date 4/17/2019

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
189.0	19,940.0	Drillech MWD (OH)	MWD	OWSG MWD - Standard

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	MD Reference:	KB = 25 @ 3344.0usft
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)	DLeg (°/100usft)	Build (°/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
189.0	1.32	111.46	189.0	-0.8	2.0	0.70	0.70	0.00	0.0	0.0
311.0	1.76	114.88	310.9	-2.1	5.0	0.37	0.36	2.80	0.0	0.0
483.0	2.46	99.06	482.8	-3.8	11.1	0.53	0.41	-9.20	0.0	0.0
572.0	2.81	101.79	571.7	-4.5	15.1	0.42	0.39	3.07	0.0	0.0
672.0	3.43	92.38	671.6	-5.2	20.5	0.80	0.62	-9.41	0.0	0.0
767.0	3.87	83.77	766.4	-4.9	26.5	0.74	0.46	-9.06	0.0	0.0
861.0	3.87	81.13	860.2	-4.1	32.8	0.19	0.00	-2.81	0.0	0.0
949.0	4.04	86.14	948.0	-3.4	38.8	0.44	0.19	5.69	-0.1	-0.3
1,053.0	3.87	94.22	1,051.7	-3.4	45.0	0.56	-0.16	7.77	-0.5	-1.3
1,148.0	1.93	109.43	1,146.6	-4.2	50.7	2.18	-2.04	16.01	-0.4	-3.0
1,242.0	1.32	169.63	1,240.6	-5.8	52.4	1.82	-0.65	64.04	-4.6	-3.9
1,337.0	1.67	199.87	1,335.5	-8.2	52.1	0.89	0.37	31.83	-9.5	-2.8
1,431.0	1.58	196.70	1,429.5	-10.7	51.3	0.14	-0.10	-3.37	-12.5	-4.4
1,526.0	1.58	200.57	1,524.5	-13.2	50.4	0.11	0.00	4.07	-15.4	-3.4
1,621.0	1.49	211.03	1,619.4	-15.5	49.3	0.31	-0.09	11.01	-18.3	-0.3
1,716.0	1.49	213.75	1,714.4	-17.6	48.0	0.07	0.00	2.86	-20.7	0.6
1,811.0	1.67	217.62	1,809.4	-19.7	46.5	0.22	0.19	4.07	-23.3	2.1
1,906.0	1.41	221.40	1,904.3	-21.7	44.9	0.29	-0.27	3.98	-25.6	3.7
2,000.0	1.41	221.49	1,998.3	-23.4	43.3	0.00	0.00	0.10	-27.9	3.7
2,095.0	1.41	225.53	2,093.3	-25.1	41.7	0.10	0.00	4.25	-29.9	5.8
2,190.0	1.67	175.26	2,188.2	-27.3	41.0	1.40	0.27	-52.92	-25.7	-20.2
2,284.0	2.02	154.25	2,282.2	-30.1	41.8	0.80	0.37	-22.35	-19.7	-26.6
2,379.0	2.20	146.76	2,377.1	-33.2	43.6	0.35	0.19	-7.86	-19.3	-31.1
2,474.0	2.29	133.60	2,472.0	-36.0	45.9	0.55	0.09	-13.87	-15.3	-33.1
2,569.0	2.02	158.03	2,567.0	-38.9	47.9	1.00	-0.28	25.72	-31.9	-24.9
2,664.0	2.02	168.49	2,661.9	-42.1	48.9	0.39	0.00	11.01	-39.2	-18.3

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	MD Reference:	KB = 25 @ 3344.0usft
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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
2,758.0	1.85	152.23	2,755.9	-45.0	49.9	0.81	-0.18	-17.30	-35.6	-29.1
2,853.0	2.11	123.40	2,850.8	-47.4	52.1	1.07	0.27	-30.35	-20.3	-43.4
2,947.0	1.93	160.05	2,944.8	-49.8	54.1	1.36	-0.19	38.99	-45.1	-21.7
3,042.0	1.85	134.74	3,039.7	-52.4	55.7	0.86	-0.08	-26.64	-34.5	-39.5
3,137.0	2.55	137.29	3,134.6	-55.0	58.2	0.74	0.74	2.68	-39.9	-37.9
3,232.0	2.99	122.70	3,229.5	-57.9	61.8	0.87	0.46	-15.36	-33.5	-47.3
3,326.0	2.64	127.18	3,323.4	-60.5	65.6	0.44	-0.37	4.77	-41.7	-44.3
3,421.0	2.11	151.88	3,418.3	-63.4	68.1	1.20	-0.56	26.00	-60.2	-21.9
3,516.0	1.76	158.03	3,513.3	-66.3	69.5	0.43	-0.37	6.47	-65.4	-15.1
3,610.0	1.08	73.57	3,607.3	-67.4	70.9	2.09	-0.74	-89.85	7.7	-68.0
3,705.0	3.61	28.74	3,702.2	-64.5	73.1	3.11	2.68	-47.19	49.7	-43.4
3,800.0	5.72	28.39	3,796.9	-57.7	76.8	2.22	2.22	-0.37	42.2	-43.2
3,894.0	5.54	37.53	3,890.4	-50.0	81.8	0.97	-0.19	9.72	25.7	-43.6
3,989.0	5.72	34.46	3,985.0	-42.5	87.3	0.37	0.19	-3.23	16.9	-47.4
4,083.0	5.19	31.64	4,078.5	-35.0	92.2	0.63	-0.56	-3.00	12.3	-45.6
4,178.0	1.32	19.34	4,173.4	-30.3	94.6	4.12	-4.07	-12.95	16.7	-43.8
4,273.0	1.41	260.18	4,268.3	-29.5	94.0	2.48	0.09	-125.45	29.4	35.0
4,367.0	0.53	282.22	4,362.3	-29.6	92.4	1.00	-0.94	23.47	38.9	21.8
4,462.0	0.97	200.83	4,457.3	-30.2	91.7	1.09	0.46	-85.67	-16.6	41.3
4,557.0	3.61	191.25	4,552.2	-33.9	90.9	2.80	2.78	-10.08	-27.0	37.8
4,651.0	5.45	187.12	4,645.9	-41.2	89.7	1.99	1.96	-4.39	-37.0	35.8
4,746.0	7.47	184.75	4,740.3	-51.9	88.7	2.14	2.13	-2.49	-49.1	34.0
4,841.0	8.71	178.31	4,834.4	-65.2	88.6	1.60	1.31	-6.88	-66.9	25.6
4,935.0	9.32	185.10	4,927.2	-79.9	88.4	1.60	0.65	9.35	-76.4	36.7
5,030.0	8.79	189.76	5,021.0	-94.7	86.5	0.95	-0.56	4.91	-83.0	43.0
5,125.0	8.00	190.02	5,115.0	-108.4	84.1	0.83	-0.83	0.27	-92.4	42.7
5,219.0	8.79	195.29	5,208.0	-121.7	81.1	1.17	0.84	5.61	-92.4	49.9

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well 9701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	MD Reference:	KB = 25 @ 3344.0usft
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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
5,314.0	9.41	195.91	5,301.8	-136.2	77.0	0.66	0.65	0.65	-94.3	48.5
5,408.0	9.67	195.29	5,394.5	-151.2	72.8	0.30	0.28	-0.66	-95.8	44.9
5,503.0	9.85	195.91	5,488.2	-166.7	68.5	0.22	0.19	0.65	-96.7	43.3
5,597.0	10.02	195.29	5,580.7	-182.3	64.1	0.21	0.18	-0.66	-98.7	39.6
5,692.0	9.76	194.50	5,674.3	-198.1	59.9	0.31	-0.27	-0.83	-100.8	35.8
5,787.0	9.67	193.71	5,768.0	-213.7	56.0	0.17	-0.09	-0.83	-102.4	32.1
5,882.0	9.85	193.54	5,861.6	-229.3	52.2	0.19	0.19	-0.18	-103.8	29.7
5,976.0	9.94	192.92	5,954.2	-245.0	48.5	0.15	0.10	-0.66	-105.5	28.5
6,071.0	9.84	190.81	6,047.8	-261.1	45.2	0.39	0.00	-2.22	-107.9	21.0
6,166.0	9.23	189.23	6,141.4	-276.7	42.4	0.80	-0.75	-1.66	-109.3	16.8
6,260.0	7.56	188.61	6,234.4	-290.0	39.4	2.11	-1.78	7.85	-105.3	28.6
6,355.0	6.60	190.37	6,328.7	-301.4	36.7	1.29	-1.01	-6.57	-104.5	15.2
6,449.0	5.01	188.35	6,422.2	-310.6	34.5	1.81	-1.69	6.36	-97.2	23.7
6,544.0	2.90	211.47	6,517.0	-316.7	32.1	2.46	-2.22	13.92	-80.5	42.6
6,639.0	2.81	207.07	6,611.9	-320.8	29.8	0.25	-0.09	-4.63	-74.3	30.8
6,734.0	1.76	228.08	6,706.8	-323.8	27.7	1.40	-1.11	22.12	-50.9	45.6
6,829.0	1.06	253.65	6,801.8	-325.1	25.7	0.97	-0.74	26.92	-22.7	50.0
6,923.0	1.32	244.51	6,895.8	-325.8	23.9	0.34	0.28	-9.72	-24.7	32.9
7,018.0	1.58	248.03	6,990.7	-326.7	21.7	0.29	0.27	3.71	-16.1	21.0
7,113.0	1.41	251.46	7,085.7	-327.6	19.4	0.20	-0.18	3.61	-13.1	8.4
7,207.0	2.02	231.07	7,179.7	-328.9	17.0	0.91	0.65	-21.69	-7.5	-7.6
7,302.0	1.67	234.32	7,274.6	-330.8	14.6	0.38	-0.37	3.42	-1.2	-18.3
7,396.0	1.85	232.65	7,368.6	-332.6	12.3	0.20	0.19	-1.78	5.3	-27.9
7,491.0	1.67	235.02	7,463.5	-334.3	9.9	0.20	-0.19	2.49	7.7	-35.7
7,586.0	1.41	229.92	7,558.5	-335.9	7.9	0.31	-0.27	-5.37	13.2	-39.7
7,680.0	0.88	340.14	7,652.5	-335.9	6.8	2.02	-0.56	117.26	-45.4	0.9
7,775.0	1.06	275.89	7,747.5	-335.1	5.6	1.10	0.19	-67.63	-21.8	-41.8

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	MD Reference:	KB = 25 @ 3344.0usft
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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
7,870.0	1.32	320.71	7,842.4	-334.2	4.1	0.99	0.27	47.16	-46.7	-13.7
7,965.0	1.14	302.96	7,937.4	-332.8	2.6	0.44	-0.19	-18.68	-42.2	-27.6
8,060.0	1.58	288.28	8,032.4	-332.0	0.5	0.62	0.46	-17.58	-34.7	-38.9
8,154.0	2.29	308.41	8,126.3	-330.4	-2.2	1.08	0.76	23.56	-49.9	-22.4
8,249.0	1.32	188.09	8,221.3	-330.3	-3.6	3.33	-1.02	-126.65	44.4	-33.4
8,344.0	1.85	171.83	8,316.3	-332.9	-3.6	0.73	0.56	-17.12	49.4	-20.0
8,439.0	2.02	165.06	8,411.2	-336.1	-3.1	0.30	0.18	-7.13	48.2	-14.2
8,534.0	2.11	165.94	8,506.2	-339.4	-2.3	0.10	0.09	0.93	44.6	-14.9
8,628.0	2.37	164.09	8,600.1	-342.9	-1.3	0.29	0.28	-1.97	41.3	-13.5
8,723.0	2.29	161.72	8,695.0	-346.6	-0.2	0.13	-0.08	-2.49	38.0	-11.9
8,818.0	2.55	160.14	8,789.9	-350.4	1.1	0.28	0.27	-1.66	34.3	-10.8
8,912.0	2.55	162.07	8,883.8	-354.4	2.5	0.09	0.00	2.05	29.7	-11.9
9,007.0	2.46	165.41	8,978.7	-358.4	3.7	0.18	-0.09	3.52	24.8	-13.5
9,102.0	2.46	172.53	9,073.7	-362.4	4.4	0.32	0.00	7.49	18.9	-16.2
9,196.0	2.37	177.88	9,167.6	-366.3	4.8	0.26	-0.10	5.80	13.3	-17.8
9,291.0	2.29	185.71	9,262.5	-370.1	4.6	0.34	-0.08	8.14	7.0	-19.1
9,386.0	2.20	188.09	9,357.4	-373.8	4.2	0.14	-0.09	2.51	2.5	-19.3
9,481.0	1.76	178.24	9,452.4	-377.1	4.0	0.58	-0.46	-10.37	2.5	-18.9
9,575.0	1.49	184.75	9,546.3	-379.8	3.9	0.35	-0.29	6.93	-2.3	-18.9
9,670.0	2.02	167.43	9,641.3	-382.6	4.2	0.78	0.56	-18.23	0.5	-19.1
9,765.0	1.58	185.98	9,736.2	-385.6	4.4	0.76	-0.46	19.53	-8.5	-17.8
9,860.0	0.35	289.69	9,831.2	-386.9	4.0	1.79	-1.29	109.17	-15.3	13.7
9,955.0	0.62	87.89	9,926.2	-386.7	4.3	1.00	0.28	166.53	19.0	-7.0
10,050.0	0.70	75.94	10,021.2	-386.5	5.3	0.17	0.08	-12.58	19.0	-3.0
10,145.0	0.44	156.80	10,116.2	-386.7	6.0	0.81	-0.27	85.12	-0.4	-18.6
10,239.0	0.79	220.96	10,210.2	-387.5	5.8	0.76	0.37	68.26	-17.7	-7.4
10,334.0	1.32	242.23	10,305.2	-388.5	4.4	0.68	0.56	22.39	-20.9	-0.3

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well 9701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	MD Reference:	KB = 25 @ 3344.0usft
Well:	9701H	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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,428.0	2.46	248.47	10,399.1	-389.8	1.5	1.23	1.21	6.64	-23.9	2.1
10,523.0	0.97	164.71	10,494.1	-391.3	-0.2	2.68	-1.57	-88.17	-5.7	-25.8
10,618.0	1.83	161.46	10,589.1	-393.6	0.6	1.01	1.01	-3.42	-6.7	-25.9
10,713.0	1.32	48.34	10,684.0	-394.4	1.9	2.88	-0.64	-119.07	25.0	2.6
10,807.0	4.40	10.64	10,777.9	-390.1	3.4	3.67	3.28	-40.11	14.5	17.3
10,902.0	3.87	5.71	10,872.7	-383.3	4.4	0.87	-0.56	-5.19	8.2	18.1
10,997.0	3.08	4.66	10,967.5	-377.6	4.9	0.83	-0.83	-1.11	0.1	18.2
11,092.0	2.73	2.29	11,062.4	-372.8	5.2	0.39	-0.37	-2.49	-5.5	18.1
11,187.0	0.88	358.24	11,157.3	-369.8	5.2	1.95	-1.95	-4.26	-9.7	17.5
11,281.0	0.53	187.56	11,251.3	-369.5	5.2	1.50	-0.37	-181.57	7.1	-18.9
11,375.0	1.41	182.78	11,345.3	-371.0	5.5	1.02	0.94	-26.38	12.8	-14.4
11,470.0	1.93	169.89	11,440.3	-373.7	6.1	0.59	0.55	7.48	8.1	-15.7
11,565.0	1.32	176.84	11,535.2	-376.4	6.4	0.67	-0.64	7.32	3.5	-16.4
11,659.0	1.32	208.57	11,629.2	-378.4	6.0	0.77	0.00	33.76	-7.7	-15.2
11,754.0	1.32	221.31	11,724.2	-380.2	4.7	0.31	0.00	13.41	-13.0	-12.9
11,886.0	0.79	25.05	11,856.2	-380.5	4.1	1.58	-0.40	124.05	9.4	18.5
11,982.0	1.06	62.93	11,952.2	-379.5	5.2	0.68	0.28	39.48	16.1	7.8
12,076.0	3.52	16.79	12,046.1	-376.4	6.8	3.07	2.62	-49.09	8.2	14.4
12,171.0	13.98	13.71	12,139.8	-362.4	10.3	11.02	11.01	-3.24	16.6	8.9
12,218.0	19.61	14.77	12,184.8	-349.2	13.7	12.00	11.98	2.26	21.3	4.1
12,265.0	24.45	14.06	12,228.4	-332.2	18.1	10.31	10.30	-1.51	25.9	-1.0
12,360.0	41.06	10.11	12,308.0	-282.0	28.4	17.62	17.48	-4.16	31.4	-10.5
12,408.0	49.59	8.63	12,341.7	-249.3	33.0	18.96	17.77	-9.33	31.2	-13.2
12,455.0	57.68	3.87	12,369.6	-210.6	36.1	17.47	17.21	-3.74	28.2	-15.6
12,455.0	64.83	2.64	12,388.9	-175.6	38.1	17.58	17.37	-3.07	23.9	-17.3
12,550.0	72.19	358.42	12,409.1	-124.5	38.5	15.48	13.75	-7.67	16.4	-17.3
12,598.0	73.42	357.63	12,423.3	-78.7	38.9	3.01	2.56	-1.65	10.8	-16.0

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well 6701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	MD Reference:	KB = 25 @ 3344.0usft
Well:	6701H	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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,645.0	78.26	357.28	12,434.6	-33.2	34.9	10.32	10.30	-0.74	7.2	-14.4
12,693.0	84.06	356.75	12,442.2	14.2	32.4	12.13	12.08	-1.10	3.7	-12.3
12,740.0	85.74	355.86	12,446.3	60.9	29.4	3.85	3.57	-1.68	1.9	-9.6
12,788.0	89.43	356.93	12,448.4	108.7	26.5	7.95	7.69	2.02	2.4	-7.0
12,834.0	92.07	358.51	12,447.8	154.7	24.6	6.69	5.74	3.43	1.8	-5.5
12,928.0	90.64	359.65	12,445.4	248.6	23.1	1.78	-1.31	1.21	-0.6	-4.7
13,023.0	90.04	359.21	12,444.6	343.6	22.2	0.98	-0.64	-0.46	-1.3	-4.5
13,118.0	89.78	358.51	12,444.8	438.6	20.3	0.79	-0.27	-0.74	-1.2	-3.3
13,212.0	89.34	357.28	12,445.5	532.6	16.8	1.39	-0.47	-1.31	-0.5	-0.5
13,306.0	90.22	357.80	12,445.9	626.5	12.8	1.09	0.94	0.55	-0.1	2.8
13,401.0	91.71	358.51	12,444.3	721.4	9.7	1.74	1.57	0.75	-1.7	5.2
13,496.0	91.10	1.50	12,441.9	816.4	9.7	3.21	-0.64	3.15	-4.0	4.5
13,591.0	92.07	1.76	12,439.3	911.3	12.4	1.06	1.02	0.27	-6.7	1.1
13,686.0	90.48	1.41	12,437.2	1,006.2	15.1	1.71	-1.67	-0.37	-8.8	-2.2
13,780.0	89.78	0.62	12,437.0	1,100.2	16.7	1.12	-0.74	-0.84	-9.0	-4.6
13,875.0	88.37	1.14	12,438.5	1,195.2	18.2	1.58	-1.48	0.55	-7.5	-6.7
13,970.0	88.55	1.58	12,441.1	1,290.1	20.5	0.50	0.19	0.46	-4.9	-9.7
14,064.0	88.61	1.50	12,443.2	1,384.1	23.0	0.28	0.26	-0.09	-2.8	-12.9
14,158.0	90.31	2.55	12,444.0	1,478.0	26.3	1.93	1.60	1.12	-2.0	-16.9
14,253.0	89.87	0.62	12,443.8	1,572.9	28.9	2.08	-0.46	-2.03	-2.2	-20.2
14,347.0	89.78	0.09	12,444.1	1,666.9	29.5	0.57	-0.10	-0.56	-1.9	-21.5
14,442.0	91.19	1.06	12,443.3	1,761.9	30.5	1.80	1.48	1.02	-2.7	-23.2
14,537.0	89.78	1.41	12,442.5	1,856.9	32.5	1.53	-1.48	0.37	-3.5	-25.9
14,632.0	89.78	0.27	12,442.8	1,951.9	33.9	1.20	0.00	-1.20	-3.2	-28.0
14,727.0	87.41	357.01	12,445.2	2,046.8	31.6	4.24	-2.49	-3.43	-0.8	-26.4
14,822.0	89.52	356.66	12,447.7	2,141.6	26.4	2.25	2.22	-0.37	1.6	-21.9
14,917.0	91.89	357.72	12,446.6	2,236.5	21.7	2.73	2.49	1.12	0.3	-17.9

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well 6701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	MD Reference:	KB = 25 @ 3344.0usft
Well:	6701H	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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,012.0	89.60	337.37	12,445.3	2,331.4	17.7	2.44	-2.41	-0.37	-1.0	-14.8
15,106.0	89.16	356.66	12,446.3	2,425.3	12.8	0.89	-0.47	-0.76	-0.1	-10.3
15,201.0	91.01	358.77	12,446.2	2,520.2	9.0	2.95	1.95	2.22	-0.3	-7.3
15,296.0	90.13	358.60	12,445.3	2,615.2	6.8	0.94	-0.93	-0.18	-1.4	-5.8
15,390.0	91.10	358.42	12,444.2	2,709.1	4.4	1.05	1.03	-0.19	-2.5	-4.0
15,485.0	92.07	358.65	12,441.8	2,804.1	2.2	1.16	1.02	0.56	-5.2	-2.5
15,580.0	88.81	358.77	12,440.9	2,899.0	0.3	3.44	-3.43	-0.19	-8.0	-1.3
15,674.0	89.08	359.04	12,442.6	2,993.0	-1.5	0.41	0.29	0.29	-4.4	-0.2
15,769.0	89.96	359.68	12,443.4	3,088.0	-3.4	1.00	0.93	-0.38	-3.7	1.0
15,864.0	91.89	359.21	12,441.9	3,182.9	-5.1	2.11	2.03	0.56	-5.3	2.0
15,958.0	90.84	0.53	12,439.6	3,276.9	-5.3	1.79	-1.12	1.40	-7.8	1.5
16,053.0	88.55	0.27	12,440.1	3,371.9	-4.7	2.43	-2.41	-0.27	-7.2	0.2
16,148.0	90.75	1.85	12,440.7	3,466.9	-2.8	2.85	2.32	1.66	-8.7	-2.3
16,242.0	87.49	2.99	12,442.2	3,560.8	1.0	3.67	-3.47	1.21	-5.4	-6.9
16,337.0	87.41	1.76	12,446.4	3,655.6	5.0	1.30	-0.08	-1.29	-1.3	-11.6
16,431.0	89.96	359.83	12,448.8	3,749.5	6.3	3.40	2.71	-2.05	0.8	-13.5
16,525.0	90.04	358.95	12,448.8	3,843.5	5.3	0.94	0.09	-0.94	0.7	-13.2
16,620.0	91.01	359.21	12,447.7	3,938.5	3.8	1.06	1.02	0.27	-0.3	-12.4
16,715.0	89.69	359.56	12,447.1	4,033.5	2.7	1.44	-1.39	0.37	-0.9	-12.1
16,810.0	91.63	359.21	12,446.0	4,128.5	1.7	2.08	2.04	-0.37	-2.0	-11.8
16,905.0	91.45	359.47	12,443.5	4,223.4	0.6	0.33	-0.19	0.27	-4.5	-11.4
16,999.0	89.60	359.30	12,442.6	4,317.4	-0.4	1.98	-1.97	-0.18	-5.4	-11.0
17,094.0	89.78	359.83	12,443.1	4,412.4	-1.1	0.59	0.19	0.56	-4.9	-11.0
17,189.0	90.13	359.39	12,443.2	4,507.4	-1.8	0.59	0.37	-0.46	-4.8	-11.1
17,283.0	89.60	359.12	12,443.4	4,601.4	-3.0	0.63	-0.56	-0.29	-4.6	-10.5
17,378.0	91.54	359.91	12,442.5	4,696.4	-3.8	2.20	2.04	0.83	-5.5	-10.4
17,472.0	90.92	0.53	12,440.4	4,790.4	-3.4	0.93	-0.69	0.68	-7.6	-11.5

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3344.0usft
Site:	Calgrove 35 Fed Com	MD Reference:	KB = 25 @ 3344.0usft
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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,567.0	89.03	0.00	12,440.4	4,685.4	-3.0	2.02	-1.94	-0.56	-7.6	-12.6
17,661.0	89.81	359.56	12,442.2	4,679.3	-3.3	0.53	-0.29	-0.47	-5.8	-12.9
17,756.0	89.52	359.83	12,443.6	5,074.3	-3.6	0.80	0.75	0.28	-4.4	-13.1
17,850.0	90.13	359.74	12,443.8	5,168.3	-4.2	0.66	0.65	-0.10	-4.2	-13.5
17,945.0	90.48	359.83	12,443.3	5,263.3	-4.6	0.38	0.37	0.09	-4.7	-13.8
18,039.0	91.10	0.70	12,442.0	5,357.3	-4.1	1.14	0.66	0.93	-6.0	-14.0
18,134.0	89.60	0.44	12,441.5	5,452.3	-3.2	1.60	-1.58	-0.27	-6.5	-16.6
18,229.0	90.04	0.53	12,441.8	5,547.3	-2.4	0.47	0.46	0.09	-6.2	-16.1
18,324.0	90.57	359.74	12,441.3	5,642.3	-2.1	1.00	0.56	-0.83	-6.7	-19.0
18,418.0	89.08	359.91	12,441.5	5,736.3	-2.4	1.60	-1.59	0.18	-6.5	-19.4
18,513.0	89.60	359.39	12,442.6	5,831.3	-3.0	0.77	0.55	-0.55	-5.4	-19.5
18,608.0	90.40	359.56	12,442.6	5,926.3	-3.9	0.86	0.84	0.18	-5.4	-19.3
18,703.0	89.52	359.83	12,442.7	6,021.3	-4.4	0.97	-0.93	0.28	-5.3	-19.5
18,797.0	89.96	359.91	12,443.1	6,115.3	-4.6	0.48	0.47	0.09	-4.9	-20.0
18,892.0	90.66	359.65	12,442.8	6,210.3	-5.0	0.79	0.74	-0.27	-5.4	-20.3
18,987.0	89.96	358.77	12,442.1	6,305.3	-6.3	1.18	-0.74	-0.93	-5.9	-19.7
19,081.0	90.31	358.86	12,441.9	6,399.2	-8.2	0.38	0.37	0.10	-6.1	-18.5
19,176.0	89.60	358.95	12,442.0	6,494.2	-10.0	0.75	-0.75	0.09	-6.0	-17.4
19,271.0	89.52	359.04	12,442.7	6,589.2	-11.7	0.13	-0.08	0.09	-5.3	-16.4
19,365.0	89.52	358.68	12,443.5	6,683.2	-13.6	0.38	0.00	-0.38	-4.5	-15.2
19,460.0	89.69	359.12	12,444.1	6,778.2	-15.4	0.50	0.18	0.46	-3.9	-14.1
19,555.0	89.96	359.47	12,444.4	6,873.2	-16.6	0.47	0.28	0.37	-3.6	-13.6
19,650.0	90.57	0.00	12,444.0	6,968.2	-17.0	0.85	0.64	0.56	-4.0	-13.9
19,745.0	91.28	359.91	12,442.4	7,063.1	-17.1	0.75	0.75	-0.09	-5.6	-14.5
19,940.0	91.28	359.91	12,438.1	7,258.1	-17.4	0.00	0.00	0.00	-9.9	-15.8

eog resources

Lea County, NM (NAD 83 NME)

Colgrove 35 Fed Com' #701H

Plan #2

PROJECT DETAILS: Lea County, NM (NAD 83 NME)	
Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico Eastern Zone
System Datum:	Mean Sea Level

Azimuths to Grid North
True North: -0.41°
Magnetic North: 6.34°

Magnetic Field
Strength: 47843.4nT
Dip Angle: 59.84°
Date: 1/13/2015
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.34°
To convert a Magnetic Direction to a True Direction, Add 6.75° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

WELL DETAILS: #701H

3318.0
KB = 25 @ 3344.0usft

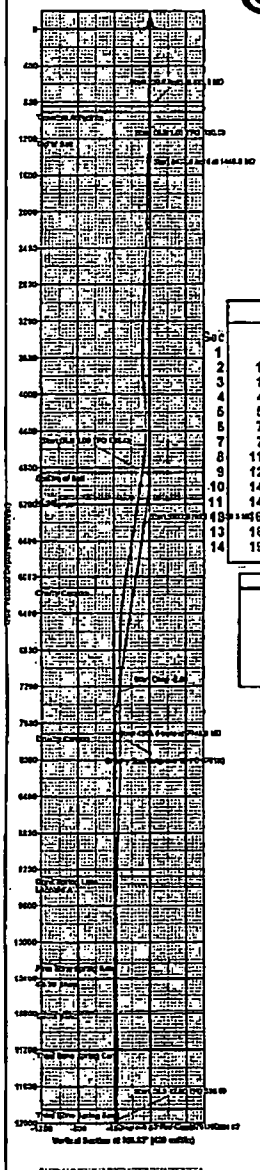
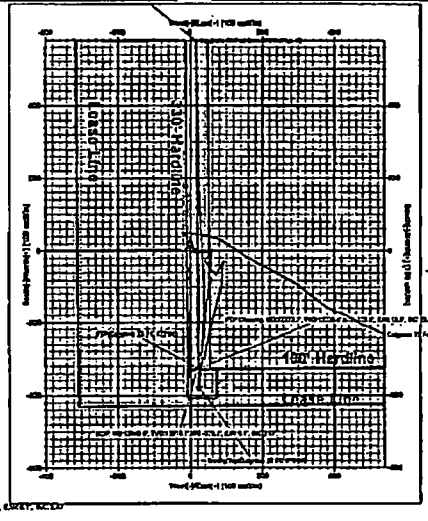
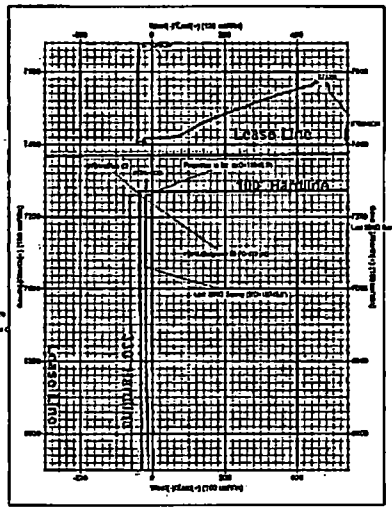
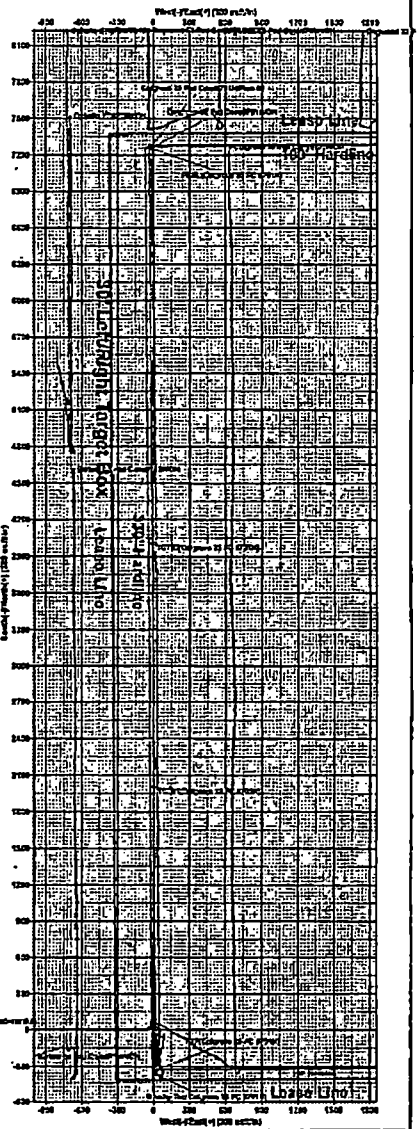
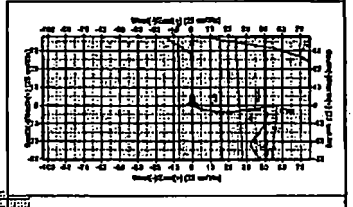
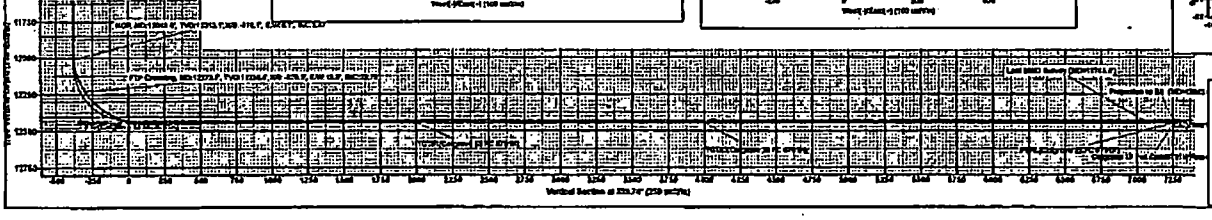
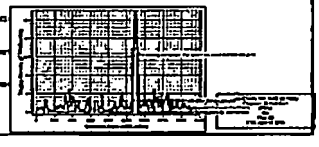
Northing	Easting	Latitude	Longitude
385141.60	783964.60	32° 0' 8.178 N	103° 33' 2.268 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	861.0	3.87	81.13	860.2	-4.1	32.8	0.00	0.00	-4.2	
2	1061.0	3.87	81.13	1059.7	-2.0	48.1	0.00	0.00	-2.2	
3	1448.0	0.00	0.00	1446.4	0.0	59.0	1.00	-180.00	-0.3	
4	4881.6	0.00	0.00	4880.0	0.0	59.0	0.00	0.00	-0.3	
5	5336.3	9.09	185.43	5332.8	-35.9	55.8	2.00	185.43	-36.1	
6	7289.2	9.09	185.43	7261.2	-343.1	26.4	0.00	0.00	-343.3	
7	7743.9	0.00	0.00	7714.0	-379.0	23.0	2.00	180.00	-379.1	Brushy Top(Colgrove 35 FC #701H)
8	11998.4	0.00	0.00	11968.5	-379.0	23.0	0.00	0.00	-379.1	
9	12748.4	90.00	359.58	12446.0	98.4	19.5	12.00	359.58	98.4	
10	14650.0	90.00	359.58	12446.0	2000.0	5.8	0.00	0.00	2000.0	TGT01(Colgrove 35 FC #701H)
11	14652.9	89.94	359.58	12446.0	2002.8	5.5	2.00	180.00	2002.8	
12	16650.1	89.94	359.58	12448.0	4000.0	-9.1	0.00	0.00	4000.0	TGT02(Colgrove 35 FC #701H)
13	16653.0	90.00	359.58	12448.0	4002.9	-9.1	2.00	0.00	4002.9	
14	19909.2	90.00	359.58	12448.0	7259.0	-33.0	0.00	0.00	7259.1	PBHL(Colgrove 35 FC #701H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Colgrove 35 FC #701H)	7714.0	-379.0	23.0	384762.60	783987.60
TGT01(Colgrove 35 FC #701H)	12446.0	2000.0	5.8	387141.60	783963.38
TGT02(Colgrove 35 FC #701H)	12448.0	4000.0	-9.1	389141.60	783954.51
PBHL(Colgrove 35 FC #701H)	12448.0	7259.0	-33.0	372409.00	783931.00
FTP(Colgrove 35 FC #701H)	12446.0	-323.3	23.0	384833.00	783987.00