

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

JUL 25 2019

701H 30-025-43018

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM121480

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
COLGROVE 35 FED COM 702H 4701H9. API Well No.
30-025-42983-00-X1 See below10. Field and Pool or Exploratory Area
WC025G09S263327G-UP WOLFCAMP11. County or Parish, State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
EOG RESOURCES INCORPORATED
Contact: STAR L HARRELL
E-Mail: Star_Harrell@eogresources.com3a. Address
PO BOX 2267
MIDLAND, TX 797023b. Phone No. (include area code)
Ph: 432-848-91614. Location of Well (Footage, Sec., T., R., A., or Survey Description)
Sec 35 T26S R33E Lot 4 360FSL 245FWL

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Due to an Enterprise pipeline ROW cutting through our original well pad. The pad and SHLs had to move to get out of the way of the existing pipeline. The pad itself moved about 155 feet east and then rotated 90 degrees. This also made the two SHLs sit north and south of each other.

The pad size is a little bigger than before:
Original size 450x340
New size 453x400

The SHL have changed due to the pad move:
Original SHL 701/702 east and west, separated by 30 feet Eng OKay CRW 2/15/19
New SHL 701/702 north and south, separated by 33 feet

Approved: WDD. 2/15/2019. DOI-BLM-NM-P020-2019-0444-Cx Use original strips

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #452858 verified by the BLM Well Information System
For EOG RESOURCES INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by JUANA MEDRANO on 02/04/2019 (19JM0005SE)

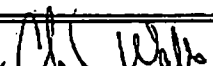
Name (Printed/Typed) STAR L HARRELL

Title SR REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 02/01/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By 	Title SPE	Date 2/15/19
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would enable the applicant to conduct operations thereon.	Office CFO	

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.

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Kz

Additional data for EC transaction #452858 that would not fit on the form

32. Additional remarks, continued

The road and flow line route also changed slightly at the well pad:
Access road and flow line running north and south into pad moved west about 50 feet.

Plats and sketches of the changes are attached to sundry.
This has been previously covered within the boundaries of arch and EA survey coverage. We request
this be approved through a CAD-X.

Topsoil is not being included due to lack of space with the pipeline ROW constraints.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6101 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

API Number 30-025-43018	Pool Code 98097	Pool Name WC-025 G-09 32633276; Upper Wolfcamp
Property Code 315730	Property Name COLGROVE 35 FED COM	Well Number #701H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3319'

10 Surface Location

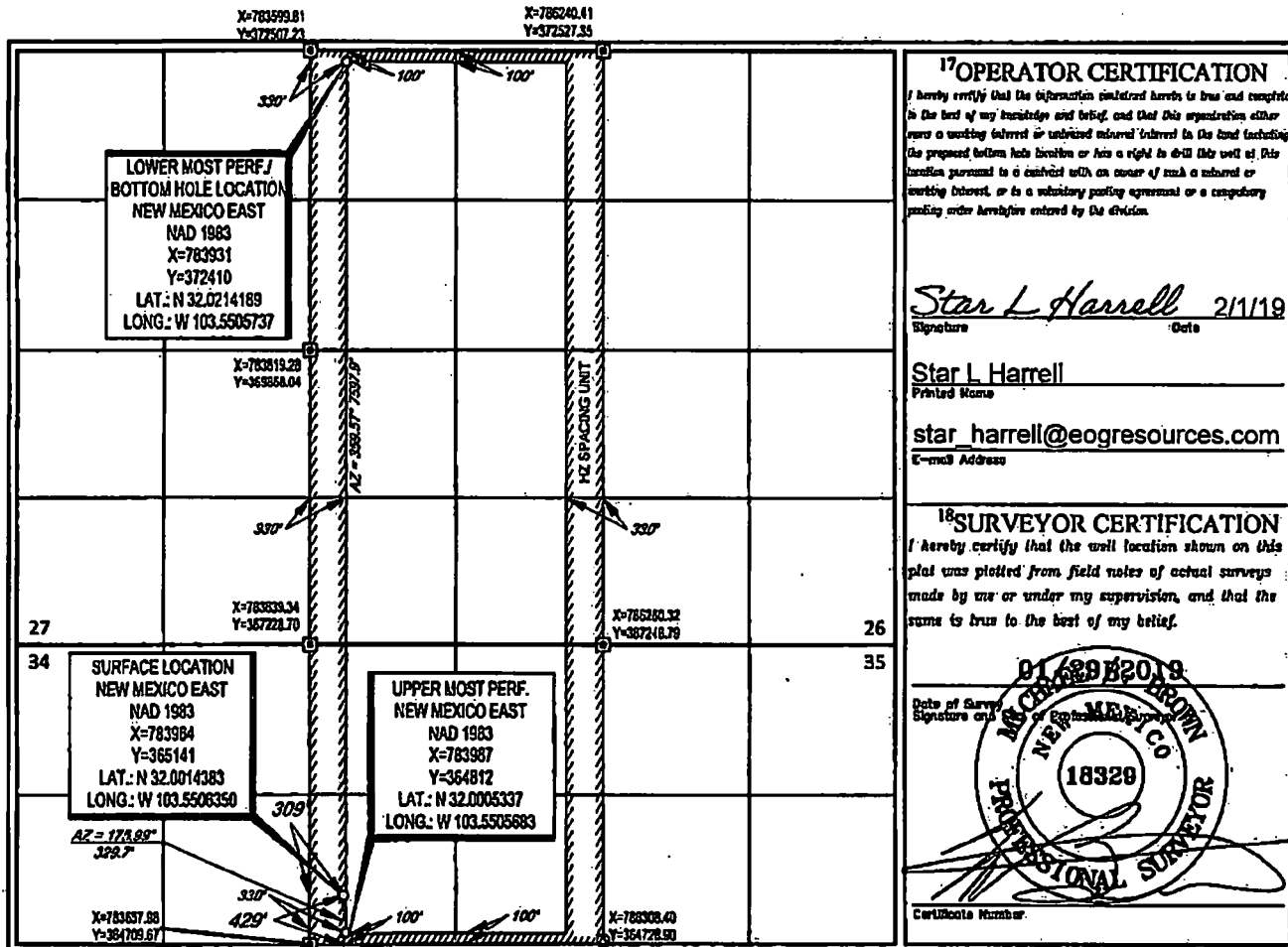
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	35	26-S	33-E	-	429'	SOUTH	309'	WEST	LEA

11 Bottom 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
D	28	26-S	33-E	-	100'	NORTH	330'	WEST	LEA

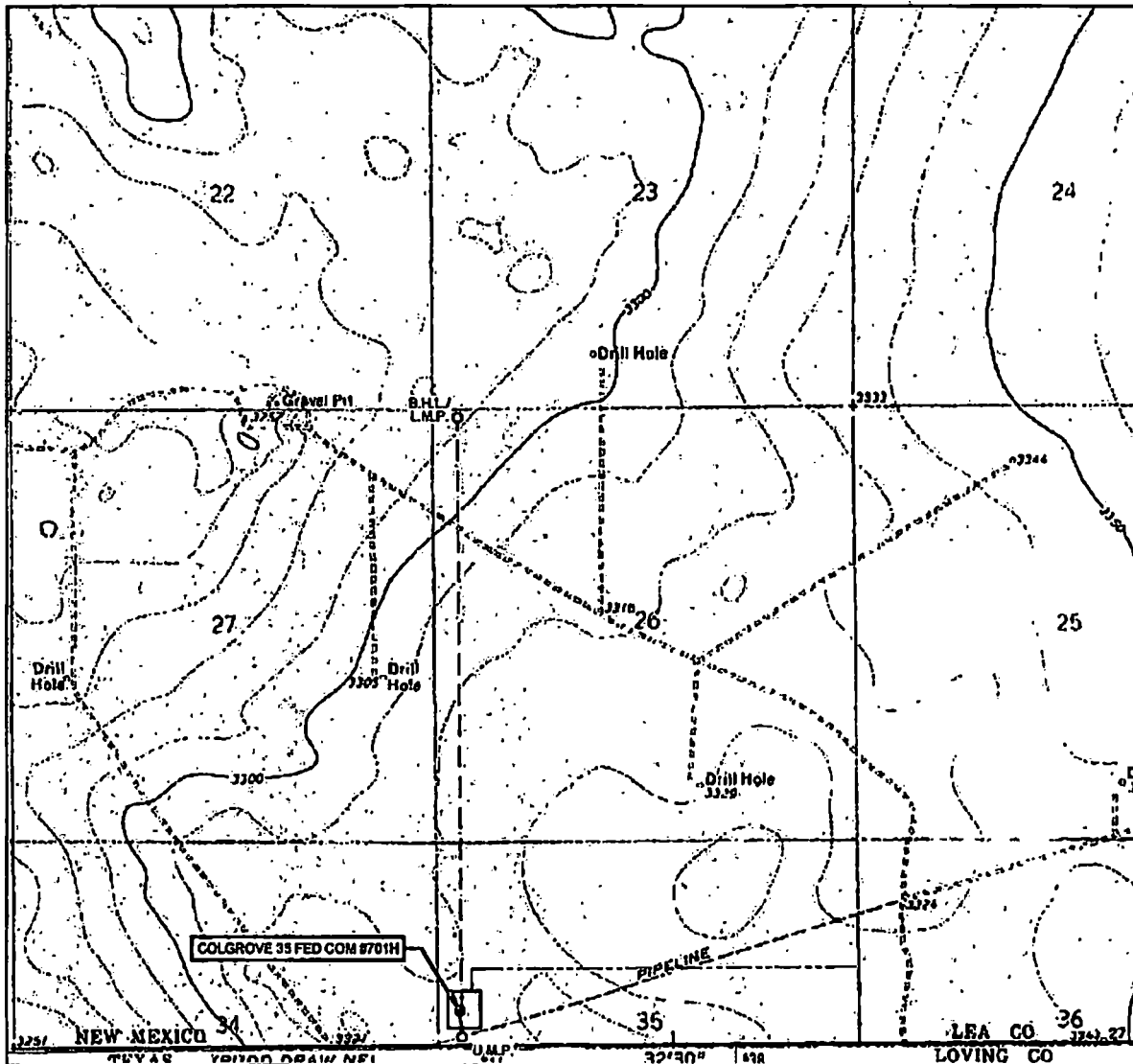
Dedicated Acres 472.70	Joint or In (B)	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



3 SURVEYED COLGROVE 35 FED COM FINAL PRODUCT SLO COLGROVE 35 FED COM 701H REV DWD 1/30/2019 10:44 AM ELEVATION

LOCATION & ELEVATION VERIFICATION MAP



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 428' FSL & 308' FWL

LATITUDE N 32.0014383 LONGITUDE W 103.5508350



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

THIS EASEMENT/SERVITUDE 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.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1927, EAST ZONE, U.S. SURVEY FEET.



TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY

1400 EVERGLAN PARKWAY, Ste. 145 • FT. WORTH, TEXAS 76140

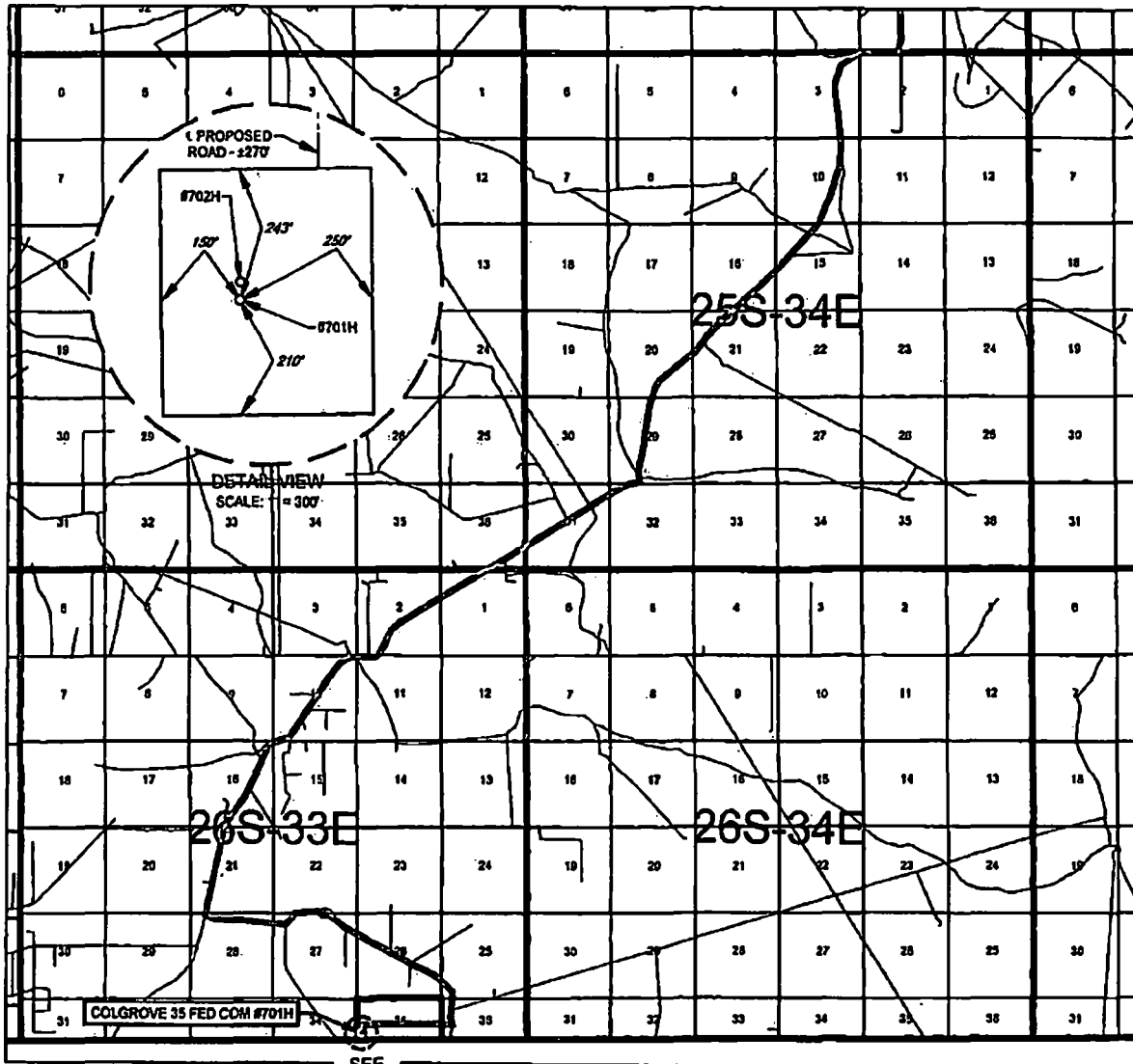
TELEPHONE: (817) 344-7517 • FAX: (817) 744-7554

2805 NORTH BIG SPRING • MIDLAND, TEXAS 79705

TELEPHONE: (432) 682-1833 OR (800) 767-1833 • FAX: (432) 682-1743

WWW.TOPOGRAPHIC.COM

EXHIBIT 2 VICINITY MAP



Seeog resources, Inc.

LEASE NAME & WELL NO.: COLGROVE 35 FED COM #701H

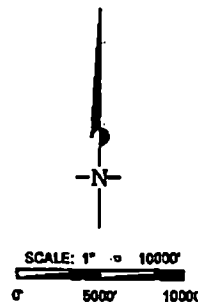
SECTION 35 TWP 26-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 428' FSL & 308' FWL

DISTANCE & DIRECTION

FROM INT. OF NM-18 N. & NM-128. GO WEST ON NM-128 ± 14.1 MILES. THENCE SOUTHWEST (LEFT) ON BATTLEAXE RD. ± 17.2 MILES. THENCE EAST (LEFT) ON LEASE RD. ± 3.7 MILES, WEST (RIGHT) ON PROPOSED RD. ± 1.0 MILES, THENCE SOUTH (LEFT) ON PROPOSED RD. ± 270 FEET TO A POINT ± 285 FEET NORTHEAST OF LOCATION.

THIS EASEMENT/SERVITUDE 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.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1927, EAST ZONE, U.S. SURVEY FEET.



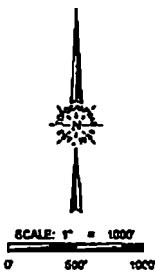
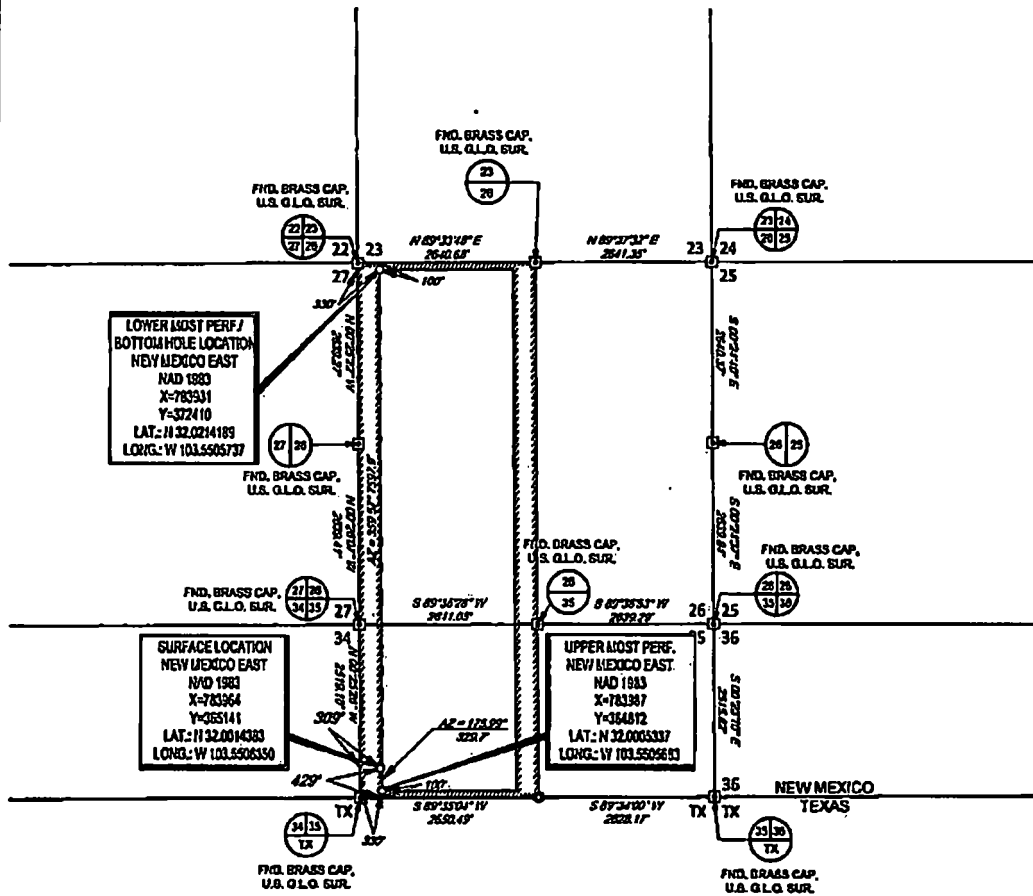
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 145 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554
2503 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 832-1851 OR (800) 767-1823 • FAX: (432) 832-1743
WWW.TOPOGRAPHIC.COM



EXHIBIT 2A

SECTION 35, TOWNSHIP 28-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



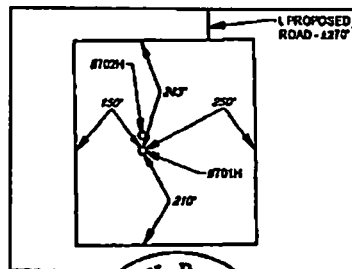
LEASE NAME & WELL NO.: COLGROVE 35 FED COM #701H

SECTION 35 TWP 28-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 420' FSL & 300' FWL

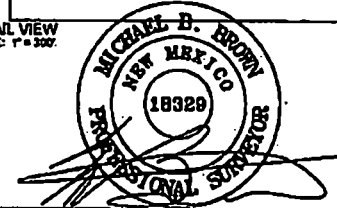
DISTANCE & DIRECTION
FROM JCT. OF NM-18 N. & NM-128, GO WEST ON NM-128 ±14.1 MILES
THENCE SOUTHWEST (LEFT) ON BATTLEAXE RD. ±17.2 MILES
THENCE EAST (LEFT) ON LEASE RD. ±3.7 MILES, WEST (RIGHT) ON
PROPOSED RD. ±1.0 MILES, THENCE SOUTH (LEFT) ON PROPOSED RD.
±270 FEET TO A POINT ±285 FEET NORTHEAST OF LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID
BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1927, EAST ZONE, U.S. SURVEY
FEET.

THIS BASINMENT SURVEY LOCATION (SHOWN HEREIN) HAS BEEN SURVEYED ON THE GROUND
UNDER A PROFESSIONAL SURVEYOR'S SUPERVISION AND PREPARED ACCORDING TO THE STANDARDS FOR THE TIME OF
SURVEY, AND DATA PROVIDED BY GEO RESOURCES, INC. THIS CERTIFICATION IS MADE AND LISTED
TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NOT TRANSFERRED.
THIS SURVEY IS CERTIFIED FOR THE TRANSACTION ONLY.



DETAIL VIEW
SCALE: 1" = 300'



Michael Blake Brown, P.S. No. 18329
JANUARY 30, 2019

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

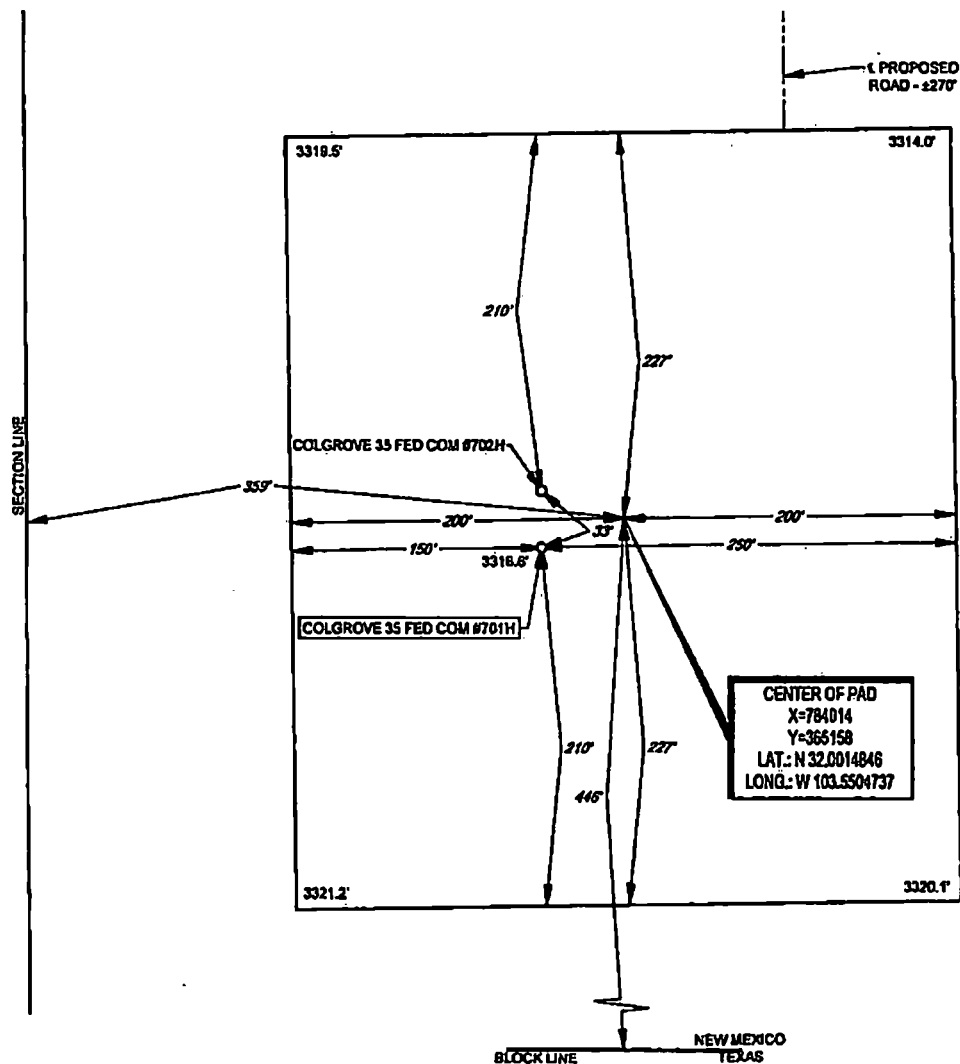
1600 EYE BLIND PARKWAY, SUITE 100 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7777 • FAX: (817) 744-7774
TELEPHONE: (402) 642-1853 OR (402) 797-1853 • FAX: (402) 642-1763
WWW.TOPOGRAPHIC.COM



EXHIBIT 2B

SECTION 35, TOWNSHIP 28-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: COLGROVE 35 FED COM #701H
#701H LATITUDE N 32.0014383 #701H LONGITUDE W 103.5506350

LEGEND

- PROPOSED ROAD
- ===== SECTION LINE
- ===== BLOCK LINE

CENTERLINE POINT IS 446' FSL & 359' FWL

SCALE: 1" = 100'
0' 50' 100'

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1927, EAST ZONE, U.S. SURVEY FEET.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY. ALL DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LISTED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76160
TELEPHONE: (817) 744-7312 • FAX (817) 744-7334
2803 NORTH BUG SPRING • MIDLAND, TEXAS 79703
TELEPHONE: (432) 882-1853 OR (800) 787-1653 • FAX (432) 882-1763
WWW.TOPOGRAPHIC.COM

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

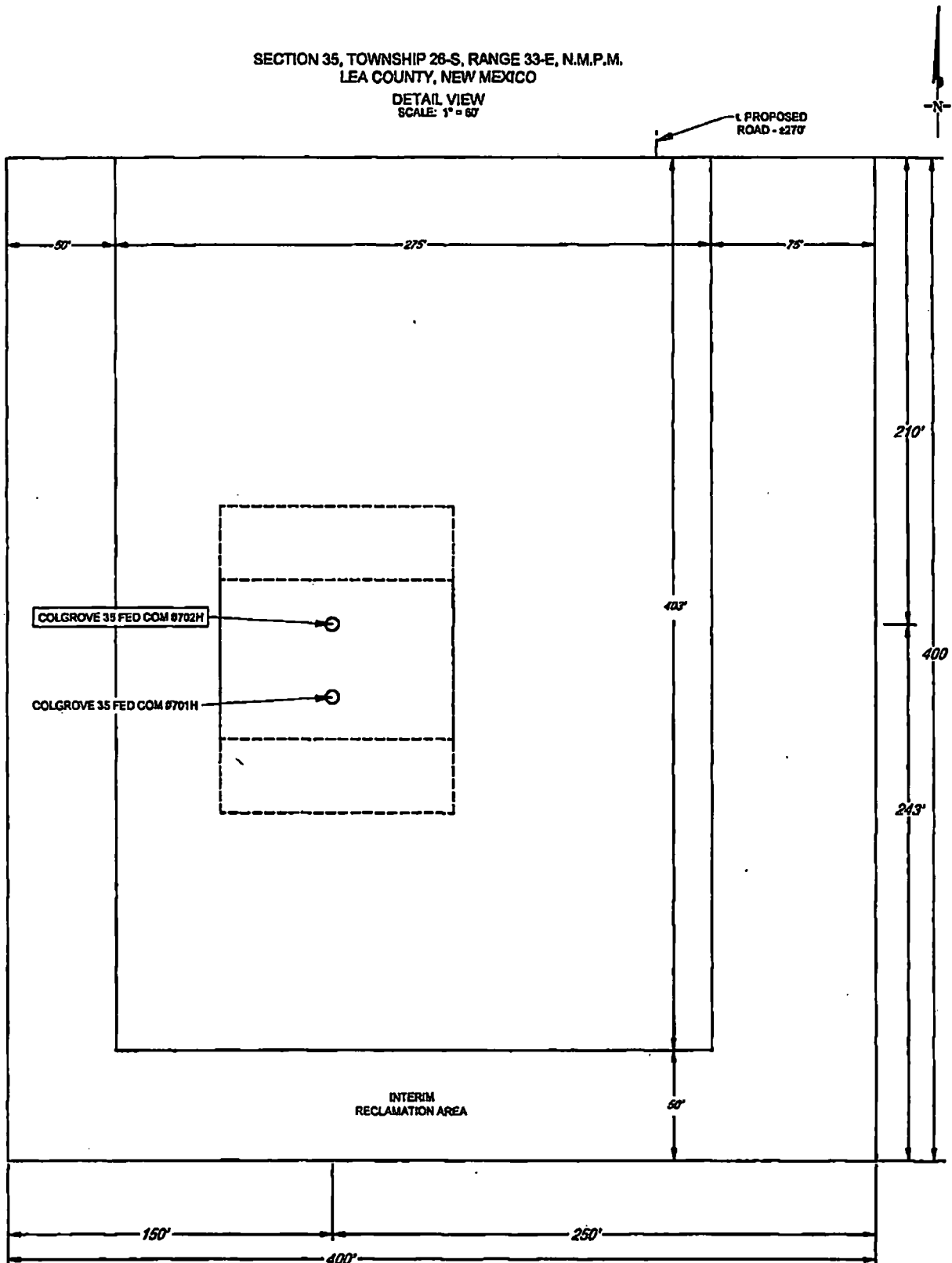
6:\SURVEY\EOG_MIDLAND\COLGROVE_35_FED_COM\FINAL_PRODUCT\610_COLGROVE35FEDCOM_701H_REV1.DWG 2/1/2019 9:42:14 AM htmz

EXHIBIT 2C

RECLAMATION AND FACILITY DIAGRAM - PRODUCTION FACILITIES DIAGRAM

SECTION 35, TOWNSHIP 26-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

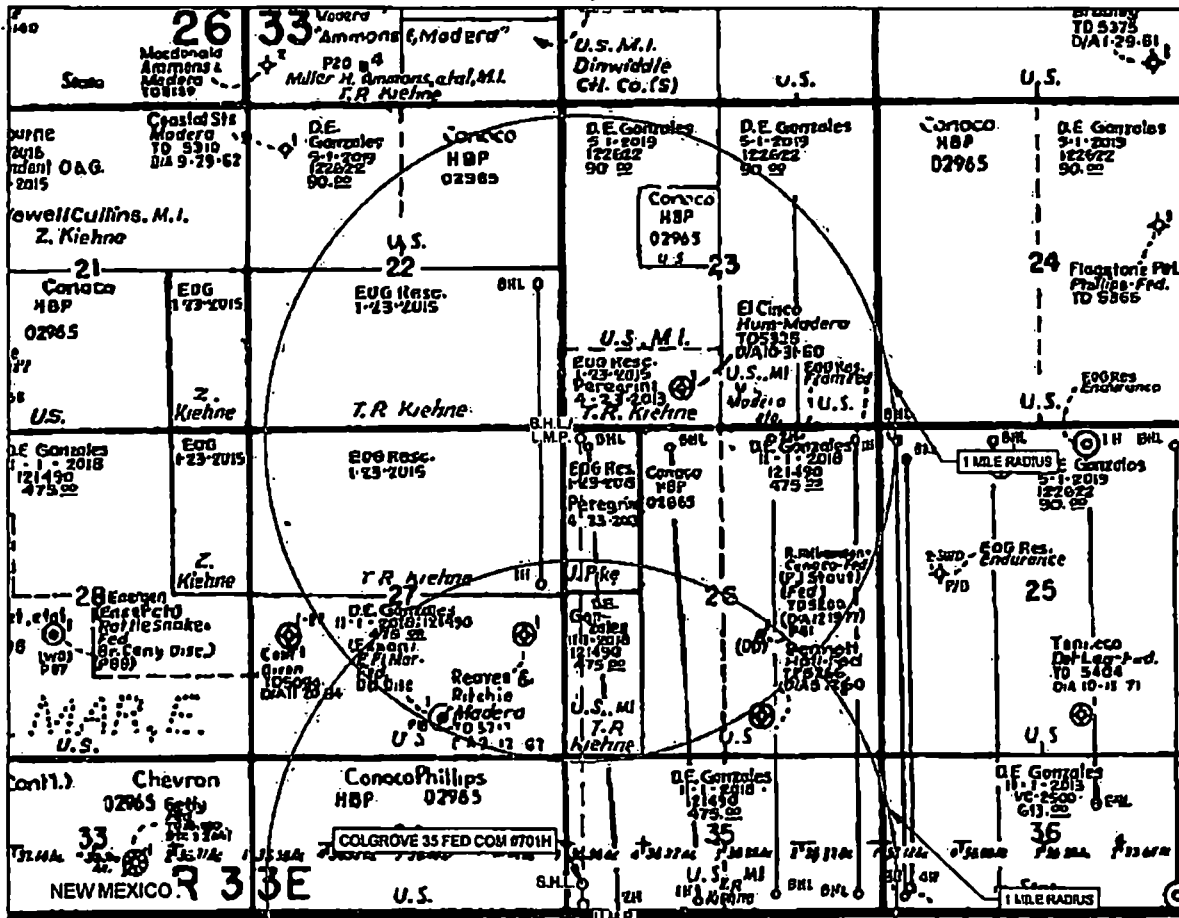
DETAIL VIEW
SCALE: 1" = 60'



LEASE NAME & WELL NO.: COLGROVE 35 FED COM #702H
#702H LATITUDE N 32.0015280 #702H LONGITUDE W 103.5506350

EXHIBIT 3

SECTION 35, TOWNSHIP 26-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



TEXAS

LEASE NAME & WELL NO.: COLGROVE 35 FED COM #701H

SCALE: NTS

#701H LATITUDE N 32.0014383

#701H LONGITUDE W 103.6508350

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1927, EAST ZONE, U.S. SURVEY FEET.

THIS EASEMENT/SERVITUDE 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.



1400 EVERLIAN PARKWAY, Ste. 140 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7872 • FAX (817) 744-7854
2903 NORTH BIRD SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1853 OR (800) 787-1853 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

\\SURVEY\EGO_MIDLAND\COLGROVE_35_FED_COM\FINAL_PRODUCT\BLO_COLGROVE35_FEDCOM_701H_REV1.DWG 10/20/18 10:42:54 AM b12wv1



EOG Resources - Midland

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

OH

Plan: Plan #0.1

Standard Planning Report

30 January, 2019



Planning Report

Database:	EDM 6000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3344.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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

Well:	#701H		
Well Position	+N-S	239.0 usft	Northings: 365,141.00 usft
	+E-W	-1,327.0 usft	Easting: 783,984.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 3,319.0 usft

Wellbore:	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	1/30/2019	6.75
			Dip Angle
			59.84
			Field Strength
			47,842.40430410

Design:	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			359.74

Plan Survey Tool Program	Date 1/30/2019		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	19,981.3 Plan #0.1 (OH)	MWD
			OWSG MWD - Standard

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,122.0	2.44	176.53	3,122.0	-2.8	0.2	2.00	2.00	0.00	176.53	
11,918.5	2.44	176.53	11,910.5	-378.4	22.8	0.00	0.00	0.00	0.00	
12,040.5	0.00	0.00	12,032.5	-379.0	23.0	2.00	-2.00	0.00	180.00	KOP(Colgrove 35 FC
12,780.5	80.00	359.58	12,510.0	98.4	19.5	12.00	12.00	-0.06	359.58	
19,981.3	80.00	359.58	12,510.0	7,269.0	-33.0	0.00	0.00	0.00	0.00	PBHL(Colgrove 35 FC



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3344.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build. Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	2.00	178.53	3,100.0	-1.7	0.1	-1.7	2.00	2.00	0.00
3,122.0	2.44	178.53	3,122.0	-2.6	0.2	-2.6	2.00	2.00	0.00
3,200.0	2.44	178.53	3,189.8	-5.9	0.4	-5.9	0.00	0.00	0.00
3,300.0	2.44	178.53	3,299.8	-10.2	0.8	-10.2	0.00	0.00	0.00
3,400.0	2.44	178.53	3,399.7	-14.4	0.9	-14.4	0.00	0.00	0.00
3,500.0	2.44	178.53	3,499.6	-18.7	1.1	-18.7	0.00	0.00	0.00
3,600.0	2.44	178.53	3,599.5	-22.9	1.4	-22.9	0.00	0.00	0.00
3,700.0	2.44	178.53	3,699.4	-27.2	1.6	-27.2	0.00	0.00	0.00
3,800.0	2.44	178.53	3,799.3	-31.4	1.8	-31.4	0.00	0.00	0.00
3,900.0	2.44	178.53	3,899.3	-35.7	2.2	-35.7	0.00	0.00	0.00
4,000.0	2.44	178.53	3,999.2	-39.9	2.4	-39.9	0.00	0.00	0.00
4,100.0	2.44	178.53	4,099.1	-44.2	2.7	-44.2	0.00	0.00	0.00
4,200.0	2.44	178.53	4,199.0	-48.4	2.9	-48.4	0.00	0.00	0.00
4,300.0	2.44	178.53	4,298.9	-52.7	3.2	-52.7	0.00	0.00	0.00
4,400.0	2.44	178.53	4,398.8	-56.9	3.5	-56.9	0.00	0.00	0.00
4,500.0	2.44	178.53	4,498.7	-61.2	3.7	-61.2	0.00	0.00	0.00
4,600.0	2.44	178.53	4,598.6	-65.4	4.0	-65.4	0.00	0.00	0.00
4,700.0	2.44	178.53	4,698.5	-69.7	4.2	-69.7	0.00	0.00	0.00
4,800.0	2.44	178.53	4,798.4	-73.9	4.5	-73.9	0.00	0.00	0.00
4,900.0	2.44	178.53	4,898.4	-78.1	4.7	-78.2	0.00	0.00	0.00
5,000.0	2.44	178.53	4,998.3	-82.4	5.0	-82.4	0.00	0.00	0.00
5,100.0	2.44	178.53	5,098.2	-86.6	5.3	-86.7	0.00	0.00	0.00
5,200.0	2.44	178.53	5,198.1	-90.9	5.5	-90.9	0.00	0.00	0.00



Planning Report

Databas:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3344.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	2.44	176.53	6,298.0	-95.1	5.9	-95.2	0.00	0.00	0.00
5,400.0	2.44	176.53	6,397.9	-99.4	6.0	-99.4	0.00	0.00	0.00
5,500.0	2.44	176.53	6,497.8	-103.8	6.3	-103.7	0.00	0.00	0.00
5,600.0	2.44	176.53	6,597.7	-107.9	6.5	-107.9	0.00	0.00	0.00
5,700.0	2.44	176.53	6,697.6	-112.1	6.8	-112.2	0.00	0.00	0.00
5,800.0	2.44	176.53	6,797.5	-116.4	7.1	-116.4	0.00	0.00	0.00
5,900.0	2.44	176.53	6,897.4	-120.8	7.3	-120.7	0.00	0.00	0.00
6,000.0	2.44	176.53	6,997.4	-124.9	7.6	-124.9	0.00	0.00	0.00
6,100.0	2.44	176.53	7,097.3	-129.1	7.8	-129.2	0.00	0.00	0.00
6,200.0	2.44	176.53	7,197.2	-133.4	8.1	-133.4	0.00	0.00	0.00
6,300.0	2.44	176.53	7,297.1	-137.6	8.4	-137.7	0.00	0.00	0.00
6,400.0	2.44	176.53	7,397.0	-141.9	8.6	-141.9	0.00	0.00	0.00
6,500.0	2.44	176.53	7,496.9	-146.1	8.9	-146.2	0.00	0.00	0.00
6,600.0	2.44	176.53	7,596.8	-150.4	9.1	-150.4	0.00	0.00	0.00
6,700.0	2.44	176.53	7,696.7	-154.6	9.4	-154.7	0.00	0.00	0.00
6,800.0	2.44	176.53	7,796.6	-158.9	9.6	-158.9	0.00	0.00	0.00
6,900.0	2.44	176.53	7,896.5	-163.1	9.9	-163.2	0.00	0.00	0.00
7,000.0	2.44	176.53	7,996.4	-167.4	10.2	-167.4	0.00	0.00	0.00
7,100.0	2.44	176.53	8,096.4	-171.6	10.4	-171.7	0.00	0.00	0.00
7,200.0	2.44	176.53	8,196.3	-175.9	10.7	-175.9	0.00	0.00	0.00
7,300.0	2.44	176.53	8,296.2	-180.1	10.9	-180.2	0.00	0.00	0.00
7,400.0	2.44	176.53	8,396.1	-184.4	11.2	-184.4	0.00	0.00	0.00
7,500.0	2.44	176.53	8,496.0	-188.6	11.4	-188.7	0.00	0.00	0.00
7,600.0	2.44	176.53	8,595.9	-192.9	11.7	-192.9	0.00	0.00	0.00
7,700.0	2.44	176.53	8,695.8	-197.1	12.0	-197.2	0.00	0.00	0.00
7,800.0	2.44	176.53	8,795.7	-201.4	12.2	-201.4	0.00	0.00	0.00
7,900.0	2.44	176.53	8,895.6	-205.6	12.5	-205.7	0.00	0.00	0.00
8,000.0	2.44	176.53	8,995.5	-209.9	12.7	-209.9	0.00	0.00	0.00
8,100.0	2.44	176.53	9,095.4	-214.1	13.0	-214.2	0.00	0.00	0.00
8,200.0	2.44	176.53	9,195.4	-218.4	13.3	-218.4	0.00	0.00	0.00
8,300.0	2.44	176.53	9,295.3	-222.6	13.5	-222.7	0.00	0.00	0.00
8,400.0	2.44	176.53	9,395.2	-226.9	13.8	-226.9	0.00	0.00	0.00
8,500.0	2.44	176.53	9,495.1	-231.1	14.0	-231.2	0.00	0.00	0.00
8,600.0	2.44	176.53	9,595.0	-235.4	14.3	-235.4	0.00	0.00	0.00
8,700.0	2.44	176.53	9,694.9	-239.6	14.5	-239.7	0.00	0.00	0.00
8,800.0	2.44	176.53	9,794.8	-243.9	14.8	-243.9	0.00	0.00	0.00
8,900.0	2.44	176.53	9,894.7	-248.1	15.1	-248.2	0.00	0.00	0.00
9,000.0	2.44	176.53	9,994.6	-252.4	15.3	-252.4	0.00	0.00	0.00
9,100.0	2.44	176.53	10,094.5	-256.6	15.6	-256.7	0.00	0.00	0.00
9,200.0	2.44	176.53	10,194.5	-260.9	15.8	-261.0	0.00	0.00	0.00
9,300.0	2.44	176.53	10,294.4	-265.1	16.1	-265.2	0.00	0.00	0.00
9,400.0	2.44	176.53	10,394.3	-269.4	16.3	-269.5	0.00	0.00	0.00
9,500.0	2.44	176.53	10,494.2	-273.6	16.6	-273.7	0.00	0.00	0.00
9,600.0	2.44	176.53	10,594.1	-277.9	16.9	-278.0	0.00	0.00	0.00
9,700.0	2.44	176.53	10,694.0	-282.1	17.1	-282.2	0.00	0.00	0.00
9,800.0	2.44	176.53	10,793.9	-286.4	17.4	-286.5	0.00	0.00	0.00
9,900.0	2.44	176.53	10,893.8	-290.6	17.6	-290.7	0.00	0.00	0.00
10,000.0	2.44	176.53	10,993.7	-294.9	17.9	-295.0	0.00	0.00	0.00
10,100.0	2.44	176.53	11,093.6	-299.1	18.2	-299.2	0.00	0.00	0.00
10,200.0	2.44	176.53	11,193.5	-303.4	18.4	-303.5	0.00	0.00	0.00
10,300.0	2.44	176.53	11,293.5	-307.6	18.7	-307.7	0.00	0.00	0.00
10,400.0	2.44	176.53	11,393.4	-311.9	18.9	-312.0	0.00	0.00	0.00
10,500.0	2.44	176.53	11,493.3	-316.1	19.2	-316.2	0.00	0.00	0.00
10,600.0	2.44	176.53	11,593.2	-320.4	19.4	-320.5	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Colgrove 35 Fed Com
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3344.0usft
MD Reference: KB = 25 @ 3344.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
10,700.0	2.44	178.53	10,693.1	-324.8	19.7	-324.7	0.00	0.00	0.00
10,800.0	2.44	178.53	10,793.0	-328.9	20.0	-329.0	0.00	0.00	0.00
10,900.0	2.44	178.53	10,892.9	-333.1	20.2	-333.2	0.00	0.00	0.00
11,000.0	2.44	178.53	10,992.8	-337.4	20.5	-337.5	0.00	0.00	0.00
11,100.0	2.44	178.53	11,092.7	-341.6	20.7	-341.7	0.00	0.00	0.00
11,200.0	2.44	178.53	11,192.6	-345.9	21.0	-346.0	0.00	0.00	0.00
11,300.0	2.44	178.53	11,292.5	-350.1	21.2	-350.2	0.00	0.00	0.00
11,400.0	2.44	178.53	11,392.5	-354.4	21.5	-354.5	0.00	0.00	0.00
11,500.0	2.44	178.53	11,492.4	-358.6	21.8	-358.7	0.00	0.00	0.00
11,600.0	2.44	178.53	11,592.3	-362.9	22.0	-363.0	0.00	0.00	0.00
11,700.0	2.44	178.53	11,692.2	-367.1	22.3	-367.2	0.00	0.00	0.00
11,800.0	2.44	178.53	11,792.1	-371.4	22.5	-371.5	0.00	0.00	0.00
11,900.0	2.44	178.53	11,892.0	-375.6	22.8	-375.7	0.00	0.00	0.00
11,918.6	2.44	178.53	11,910.5	-378.4	22.9	-378.5	0.00	0.00	0.00
12,000.0	0.81	178.53	11,992.0	-378.7	23.0	-378.8	2.00	-2.00	0.00
12,040.6	0.00	0.00	12,032.5	-379.0	23.0	-379.1	2.00	-2.00	0.00
KOP(Colgrove 35 FC #701H)									
12,050.0	1.13	359.58	12,041.9	-378.9	23.0	-379.0	12.00	12.00	0.00
12,075.0	4.13	359.58	12,068.9	-377.8	23.0	-377.9	12.00	12.00	0.00
12,100.0	7.13	359.58	12,091.8	-375.3	23.0	-375.4	12.00	12.00	0.00
12,125.0	10.13	359.58	12,118.6	-371.8	22.9	-371.7	12.00	12.00	0.00
12,150.0	13.13	359.58	12,141.0	-368.5	22.9	-368.6	12.00	12.00	0.00
12,175.0	16.13	359.58	12,165.2	-360.2	22.9	-360.3	12.00	12.00	0.00
12,200.0	19.13	359.58	12,189.0	-352.6	22.8	-352.7	12.00	12.00	0.00
12,225.0	22.13	359.58	12,212.4	-343.8	22.7	-343.9	12.00	12.00	0.00
12,250.0	25.13	359.58	12,235.3	-333.6	22.7	-333.9	12.00	12.00	0.00
12,275.0	28.13	359.58	12,257.8	-322.6	22.6	-322.7	12.00	12.00	0.00
12,300.0	31.13	359.58	12,279.4	-310.2	22.5	-310.3	12.00	12.00	0.00
12,325.0	34.13	359.58	12,300.4	-296.7	22.4	-296.8	12.00	12.00	0.00
12,350.0	37.13	359.58	12,320.7	-282.2	22.3	-282.3	12.00	12.00	0.00
12,375.0	40.13	359.58	12,340.3	-266.6	22.2	-266.7	12.00	12.00	0.00
12,400.0	43.13	359.58	12,358.9	-250.0	22.1	-250.1	12.00	12.00	0.00
12,425.0	46.13	359.58	12,378.7	-232.4	21.9	-232.5	12.00	12.00	0.00
12,443.4	48.35	359.58	12,389.2	-218.9	21.8	-219.0	12.00	12.00	0.00
FTP(Colgrove 35 FC #701H)									
12,450.0	49.13	359.58	12,393.6	-213.9	21.8	-214.0	12.00	12.00	0.00
12,475.0	52.13	359.58	12,409.4	-194.6	21.6	-194.7	12.00	12.00	0.00
12,500.0	55.13	359.58	12,424.3	-174.5	21.5	-174.6	12.00	12.00	0.00
12,525.0	58.13	359.58	12,438.0	-153.6	21.3	-153.7	12.00	12.00	0.00
12,550.0	61.13	359.58	12,450.8	-132.0	21.2	-132.1	12.00	12.00	0.00
12,575.0	64.13	359.58	12,462.1	-109.8	21.0	-109.9	12.00	12.00	0.00
12,600.0	67.13	359.58	12,472.4	-87.1	20.9	-87.2	12.00	12.00	0.00
12,625.0	70.13	359.58	12,481.8	-63.8	20.7	-63.9	12.00	12.00	0.00
12,650.0	73.13	359.58	12,489.4	-40.1	20.6	-40.2	12.00	12.00	0.00
12,675.0	76.13	359.58	12,498.1	-16.0	20.3	-16.1	12.00	12.00	0.00
12,700.0	79.13	359.58	12,501.4	8.4	20.2	8.4	12.00	12.00	0.00
12,725.0	82.13	359.58	12,505.5	33.1	20.0	33.0	12.00	12.00	0.00
12,750.0	85.13	359.58	12,508.2	58.0	19.8	57.9	12.00	12.00	0.00
12,775.0	88.13	359.58	12,509.7	82.9	19.6	82.8	12.00	12.00	0.00
12,790.5	90.00	359.58	12,510.0	98.4	19.5	98.4	12.00	12.00	0.00
12,800.0	90.00	359.58	12,510.0	107.9	19.4	107.8	0.00	0.00	0.00
12,800.0	90.00	359.58	12,510.0	207.9	18.7	207.8	0.00	0.00	0.00
13,000.0	90.00	359.58	12,510.0	307.9	18.0	307.8	0.00	0.00	0.00
13,100.0	90.00	359.58	12,510.0	407.9	17.2	407.8	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3344.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.0	90.00	359.58	12,510.0	507.9	16.5	507.8	0.00	0.00	0.00
13,300.0	90.00	359.58	12,510.0	507.9	16.8	507.8	0.00	0.00	0.00
13,400.0	90.00	359.58	12,510.0	707.9	15.0	707.8	0.00	0.00	0.00
13,500.0	90.00	359.58	12,510.0	807.9	14.3	807.8	0.00	0.00	0.00
13,600.0	90.00	359.58	12,510.0	807.9	13.6	807.8	0.00	0.00	0.00
13,700.0	90.00	359.58	12,510.0	1,007.9	12.8	1,007.8	0.00	0.00	0.00
13,800.0	90.00	359.58	12,510.0	1,107.9	12.1	1,107.8	0.00	0.00	0.00
13,900.0	90.00	359.58	12,510.0	1,207.9	11.4	1,207.8	0.00	0.00	0.00
14,000.0	90.00	359.58	12,510.0	1,307.9	10.6	1,307.8	0.00	0.00	0.00
14,100.0	90.00	359.58	12,510.0	1,407.9	9.9	1,407.8	0.00	0.00	0.00
14,200.0	90.00	359.58	12,510.0	1,507.9	9.2	1,507.8	0.00	0.00	0.00
14,300.0	90.00	359.58	12,510.0	1,607.9	8.5	1,607.8	0.00	0.00	0.00
14,400.0	90.00	359.58	12,510.0	1,707.9	7.7	1,707.8	0.00	0.00	0.00
14,500.0	90.00	359.58	12,510.0	1,807.9	7.0	1,807.8	0.00	0.00	0.00
14,600.0	90.00	359.58	12,510.0	1,907.9	6.3	1,907.8	0.00	0.00	0.00
14,700.0	90.00	359.58	12,510.0	2,007.9	5.5	2,007.8	0.00	0.00	0.00
14,800.0	90.00	359.58	12,510.0	2,107.8	4.8	2,107.8	0.00	0.00	0.00
14,900.0	90.00	359.58	12,510.0	2,207.8	4.1	2,207.8	0.00	0.00	0.00
15,000.0	90.00	359.58	12,510.0	2,307.8	3.3	2,307.8	0.00	0.00	0.00
15,100.0	90.00	359.58	12,510.0	2,407.8	2.6	2,407.8	0.00	0.00	0.00
15,200.0	90.00	359.58	12,510.0	2,507.8	1.9	2,507.8	0.00	0.00	0.00
15,300.0	90.00	359.58	12,510.0	2,607.8	1.1	2,607.8	0.00	0.00	0.00
15,400.0	90.00	359.58	12,510.0	2,707.8	0.4	2,707.8	0.00	0.00	0.00
15,500.0	90.00	359.58	12,510.0	2,807.8	-0.3	2,807.8	0.00	0.00	0.00
15,600.0	90.00	359.58	12,510.0	2,907.8	-1.1	2,807.8	0.00	0.00	0.00
15,700.0	90.00	359.58	12,510.0	3,007.8	-1.8	3,007.8	0.00	0.00	0.00
15,800.0	90.00	359.58	12,510.0	3,107.8	-2.5	3,107.8	0.00	0.00	0.00
15,900.0	90.00	359.58	12,510.0	3,207.8	-3.3	3,207.8	0.00	0.00	0.00
16,000.0	90.00	359.58	12,510.0	3,307.8	-4.0	3,307.8	0.00	0.00	0.00
16,100.0	90.00	359.58	12,510.0	3,407.8	-4.7	3,407.8	0.00	0.00	0.00
16,200.0	90.00	359.58	12,510.0	3,507.8	-5.5	3,507.8	0.00	0.00	0.00
16,300.0	90.00	359.58	12,510.0	3,607.8	-6.2	3,607.8	0.00	0.00	0.00
16,400.0	90.00	359.58	12,510.0	3,707.8	-6.9	3,707.8	0.00	0.00	0.00
16,500.0	90.00	359.58	12,510.0	3,807.8	-7.7	3,807.8	0.00	0.00	0.00
16,600.0	90.00	359.58	12,510.0	3,907.8	-8.4	3,907.8	0.00	0.00	0.00
16,700.0	90.00	359.58	12,510.0	4,007.8	-9.1	4,007.8	0.00	0.00	0.00
16,800.0	90.00	359.58	12,510.0	4,107.8	-9.9	4,107.8	0.00	0.00	0.00
16,900.0	90.00	359.58	12,510.0	4,207.8	-10.6	4,207.8	0.00	0.00	0.00
17,000.0	90.00	359.58	12,510.0	4,307.8	-11.3	4,307.8	0.00	0.00	0.00
17,100.0	90.00	359.58	12,510.0	4,407.8	-12.0	4,407.8	0.00	0.00	0.00
17,200.0	90.00	359.58	12,510.0	4,507.8	-12.8	4,507.8	0.00	0.00	0.00
17,300.0	90.00	359.58	12,510.0	4,607.8	-13.5	4,607.8	0.00	0.00	0.00
17,400.0	90.00	359.58	12,510.0	4,707.8	-14.2	4,707.8	0.00	0.00	0.00
17,500.0	90.00	359.58	12,510.0	4,807.8	-15.0	4,807.8	0.00	0.00	0.00
17,600.0	90.00	359.58	12,510.0	4,907.8	-15.7	4,907.8	0.00	0.00	0.00
17,700.0	90.00	359.58	12,510.0	5,007.8	-16.4	5,007.8	0.00	0.00	0.00
17,800.0	90.00	359.58	12,510.0	5,107.8	-17.2	5,107.8	0.00	0.00	0.00
17,900.0	90.00	359.58	12,510.0	5,207.8	-17.9	5,207.8	0.00	0.00	0.00
18,000.0	90.00	359.58	12,510.0	5,307.8	-18.6	5,307.8	0.00	0.00	0.00
18,100.0	90.00	359.58	12,510.0	5,407.8	-19.4	5,407.8	0.00	0.00	0.00
18,200.0	90.00	359.58	12,510.0	5,507.8	-20.1	5,507.8	0.00	0.00	0.00
18,300.0	90.00	359.58	12,510.0	5,607.8	-20.8	5,607.8	0.00	0.00	0.00
18,400.0	90.00	359.58	12,510.0	5,707.8	-21.6	5,707.8	0.00	0.00	0.00
18,500.0	90.00	359.58	12,510.0	5,807.7	-22.3	5,807.8	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3344.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3344.0usft
Site:	Colgrove 35 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,600.0	90.00	359.58	12,510.0	6,807.7	-23.0	5,907.8	0.00	0.00	0.00
18,700.0	90.00	359.58	12,510.0	6,007.7	-23.8	6,007.8	0.00	0.00	0.00
18,800.0	90.00	359.58	12,510.0	6,107.7	-24.5	6,107.8	0.00	0.00	0.00
18,900.0	90.00	359.58	12,510.0	6,207.7	-25.2	6,207.8	0.00	0.00	0.00
19,000.0	90.00	359.58	12,510.0	6,307.7	-26.0	6,307.8	0.00	0.00	0.00
19,100.0	90.00	359.58	12,510.0	6,407.7	-26.7	6,407.8	0.00	0.00	0.00
19,200.0	90.00	359.58	12,510.0	6,507.7	-27.4	6,507.8	0.00	0.00	0.00
19,300.0	90.00	359.58	12,510.0	6,607.7	-28.2	6,607.8	0.00	0.00	0.00
19,400.0	90.00	359.58	12,510.0	6,707.7	-28.9	6,707.8	0.00	0.00	0.00
19,500.0	90.00	359.58	12,510.0	6,807.7	-29.6	6,807.8	0.00	0.00	0.00
19,600.0	90.00	359.58	12,510.0	6,907.7	-30.4	6,907.8	0.00	0.00	0.00
19,700.0	90.00	359.58	12,510.0	7,007.7	-31.1	7,007.8	0.00	0.00	0.00
19,800.0	90.00	359.58	12,510.0	7,107.7	-31.8	7,107.8	0.00	0.00	0.00
19,900.0	90.00	359.58	12,510.0	7,207.7	-32.6	7,207.8	0.00	0.00	0.00
19,981.3	90.00	359.58	12,510.0	7,269.0	-33.0	7,269.1	0.00	0.00	0.00

PBHL(Colgrove 35 FC #701H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Colgrove 35 FC #7 - hit miss target - Shape - Point	0.00	0.00	12,032.5	-379.0	23.0	364,762.00	783,987.00	32° 0' 1.426 N	103° 33' 2.053 W
FTP(Colgrove 35 FC #7 - plan misses target center by 163.4usft at 12443.4usft MD (12389.2 TVD, -218.9 N, 21.8 E) - Point	0.00	0.00	12,510.0	-329.0	23.0	364,812.00	783,987.00	32° 0' 1.821 N	103° 33' 2.049 W
PBHL(Colgrove 35 FC # - plan hits target center - Point	0.00	0.00	12,510.0	7,269.0	-33.0	372,410.00	783,931.00	32° 1' 17.110 N	103° 33' 2.080 W



Lea County, NM (NAD 83 NME)
Colgrove 35 Fed Com #701H
Plan #0.1

PROPERTY DETAILS: Lea County, NM (NAD 83 NME)
Gridline System: US State Plane 1983
Datum: North American Datum 1983
CRS: NAD 83
Spheroid: GRS 1980
Spheroid Offset: State Plane (NAD 83)

VEGA DETAILS: #701H

RD = P1 Q 3414.00
Easting: 127 7 4 101 80
Northing: 127 7 4 101 80
Length: 127 7 4 101 80
Width: 127 7 4 101 80

Location in Grid System
Gridline System: US State Plane 1983
Datum: North American Datum 1983
CRS: NAD 83
Spheroid: GRS 1980
Spheroid Offset: State Plane (NAD 83)

To convert a Northing or Easting to a Grid Coordinate, add 127 7 4 101 80
To convert a Grid Coordinate to a Northing or Easting, subtract 127 7 4 101 80

SECTION DETAILS

MD	Loc	Alt	TVD	+NUS	+EWS	Dist	TFace	VFace	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
3000.0	0.00	178.53	3132.0	-2.5	0.2	2.00	178.53	-2.5	
3129.0	2.44	178.53	3132.0	-378.4	23.8	0.00	0.00	-378.5	
11918.5	2.44	178.53	3132.0	-378.4	23.8	0.00	0.00	-378.5	
12504.5	0.00	0.00	12510.0	-378.4	23.8	0.00	0.00	-378.5	
12780.5	0.00	358.58	12510.0	81.4	14.5	12.00	358.58	81.4	
12861.3	81.00	358.58	12510.0	7285.0	-33.0	0.00	0.00	7285.1	

CALCULATED DETAILS
In using this it is assumed

VERTICAL CURVE DATA SUMMARY

Station	Station	Station	Station	Station	Station
12780.5	12780.5	12780.5	12780.5	12780.5	12780.5
12780.5	12780.5	12780.5	12780.5	12780.5	12780.5
12780.5	12780.5	12780.5	12780.5	12780.5	12780.5
12780.5	12780.5	12780.5	12780.5	12780.5	12780.5
12780.5	12780.5	12780.5	12780.5	12780.5	12780.5

