District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & *Natural* Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702	7377
	[3] Reason for Filing Code/ Effective Date NW 1/11/2021

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 025-46709	WC025 G09 S253309P; UPPER WOLFCAMP	98180 KZ

[7] Property Code	[8] Property Name	[9] Well Number
326336	ICY 18 FEDERAL	704H

II. [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
C	18	25S	33E		200	NORTH	1650	WEST	LEA

[11] Bottom Hole Location

SL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	25S	33E		2530	NORTH	2311	WEST	LEA

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
	FLOWING				

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
372812	EOGRM	OIL
151618	ENTERPRISE FIELD SERVICES	GAS
298751	REGENCY FIELD SERVICES	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
04/10/2020	01/11/2020	19,886	19,860	12710-19860	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
12 1/2	9 5/8"	1156'	490 SXS CL C/CIRC
8 3/4"	7 5/8"	11,640'	1510 SXS CL C&H/CIRC TOC 30'
6 3/4"	5 1/2"	19,870'	785 SXS CL H TOC 7570' CBL

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
01/11/2021	01/11/2021	01/28/2021	24 HRS		1012
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
106	4209	7401	8739		

[42] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Kay Maddox

Printed name: Kay Maddox

Title: SENIOR REGULATORY SPECIALIST

E-mail Address: kay_maddox@eogresources.com

Date: 02/12/2021

Phone: 432-638-8475

OIL CONSERVATION DIVISION

Approved by: PATRICIA MARTINEZ

Title: LM II

Approval Date: 4/5/2021

Request for NMOCD extension of time to file BLM-approved form 3160-4 within 10 days to NMOCD after BLM approval.

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	[2]Pool Code	[3]Pool Name
30-025-46709	98180	WC025 G09 S253309P; UPPER WOLFCAMP

[4]Property Code	[5]Property Name	[6]Well Number
326336	ICY 18 FED	704H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3489'

[10]Surface Location

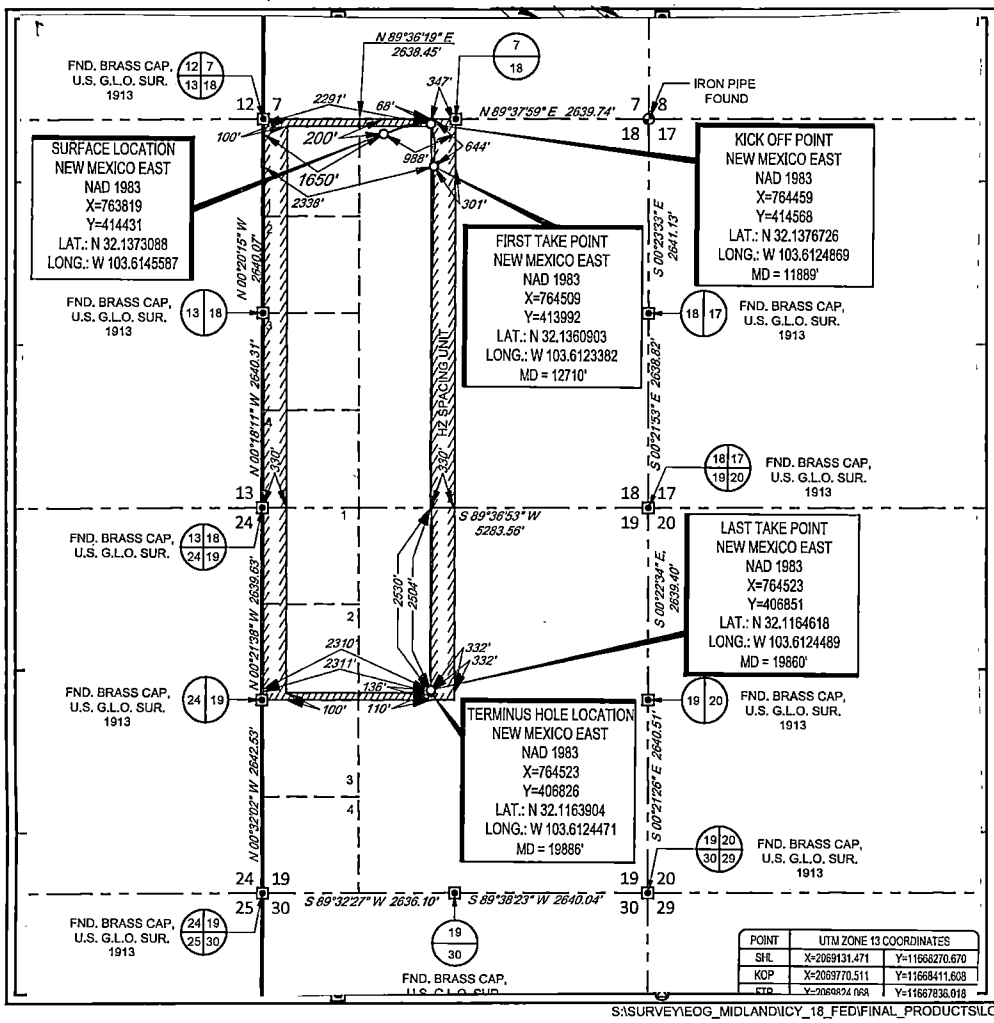
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	18	25–S	33–E	–	200'	NORTH	1650'	WEST	LEA

SL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	25–S	33–E	–	2530'	NORTH	2311'	WEST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
480.28			

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 02/11/2021
Signature Date

KAY MADDOX
Printed Name

kay_maddox@eogresources.com
E-mail Address

[18]SURVEYOR CERTIFICATION

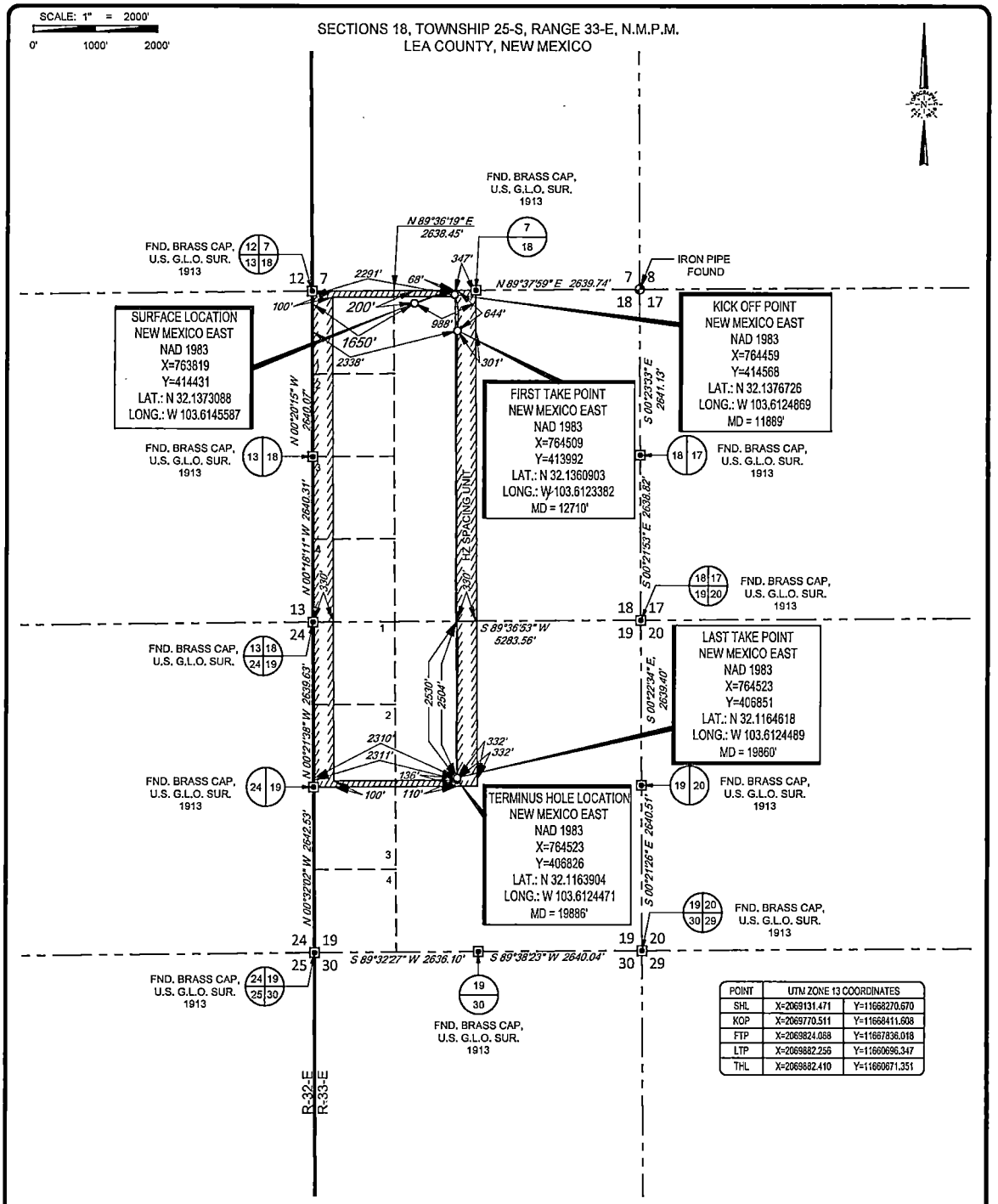
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

10/30/2019
Date of Survey
Signature and Seal of Professional Surveyor

RAMON A. DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\EOG_MIDLAND\ICY_18_FED\FINAL_PRODUCTS\LO_ICY_18_FED_704H_REV2_C102.DWG 3/23/2020 3:43:13 PM rdominguez



POINT	UTM ZONE 13 COORDINATES	
SHL	X=2069131.471	Y=11668270.670
KOP	X=2069770.511	Y=11668411.608
FTP	X=2069824.088	Y=11667836.018
LTP	X=2069882.256	Y=11660696.347
THL	X=2069882.410	Y=11660671.351

LEASE NAME & WELL NO.: ICY 18 FED #704H

SECTION 18 TWP 25-S RGE 33-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3489'

DESCRIPTION 200' FNL & 1650' FWL

RAMON A. DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
TEXAS FIRM REGISTRATION NO. 10042504
WWW.TOPOGRAPHIC.COM

Raman A. Dominguez, P.S. No. 24508
September 28, 2020

eog resources, Inc.

ICY 18 FED #704H AS-COMPLETE	REVISION:	
DATE: 09/28/2020		
FILE:AD_ICY_18_FED_704H		
DRAWN BY: IMU		
SHEET : 1 OF 1		

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 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.

S:\SURVEYEOG_MIDLAND\ICY_18_FED\FINAL_PRODUCTS\AD_ICY_18_FED_704H.DWG 9/28/2020 1:56:19 PM adisabella

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Icy 18 Fed
#704H
OH

Design: OH

Midland PVA

18 May, 2020

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #704H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 32' @ 3521.0usft
Site:	Icy 18 Fed	**MD Reference:**	KB = 32' @ 3521.0usft
Well:	#704H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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 Icy 18 Fed

Site Position:		**Northing:**	414,414.00 usft	**Latitude:**	32° 8' 14.217 N
From:	Map	**Easting:**	762,703.00 usft	**Longitude:**	103° 37' 5.391 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.38 °

Well #704H

Well Position	**+N/-S**	0.0 usft	**Northing:**	414,431.00 usft	**Latitude:**	32° 8' 14.312 N
	+E/-W	0.0 usft	**Easting:**	763,819.00 usft	**Longitude:**	103° 36' 52.410 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,489.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/10/2020	6.69	59.85	47,551.92832515

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	174.70

Survey Program **Date** 5/18/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
199.0	19,886.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #704H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 32' @ 3521.0usft
Site:	Icy 18 Fed	**MD Reference:**	KB = 32' @ 3521.0usft
Well:	#704H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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
199.0	0.53	166.03	199.0	-0.9	0.2	0.27	0.27	0.00	0.0	0.0
307.0	0.70	176.49	307.0	-2.0	0.4	0.19	0.16	9.69	0.0	0.0
399.0	0.79	169.46	399.0	-3.2	0.5	0.14	0.10	-7.64	0.0	0.0
583.0	0.79	168.23	583.0	-5.7	1.0	0.01	0.00	-0.67	0.0	0.0
774.0	1.14	174.82	773.9	-8.9	1.5	0.19	0.18	3.45	0.0	0.0
965.0	1.41	177.98	964.9	-13.1	1.7	0.15	0.14	1.65	0.0	0.0
1,100.0	1.32	177.98	1,099.9	-16.3	1.8	0.07	-0.07	0.00	0.0	0.0
1,258.0	0.97	208.13	1,257.8	-19.3	1.3	0.43	-0.22	19.08	0.2	-0.9
1,354.0	0.44	118.22	1,353.8	-20.2	1.2	1.11	-0.55	-93.66	2.0	0.9
1,449.0	4.57	59.95	1,448.7	-18.5	4.8	4.58	4.35	-61.34	-1.4	4.0
1,544.0	7.12	54.50	1,543.2	-13.2	12.9	2.74	2.68	-5.74	-6.2	6.4
1,639.0	6.86	53.09	1,637.5	-6.4	22.2	0.33	-0.27	-1.48	-9.8	9.8
1,735.0	6.68	52.30	1,732.8	0.5	31.2	0.21	-0.19	-0.82	-10.9	13.8
1,830.0	8.18	56.96	1,827.0	7.6	41.2	1.70	1.58	4.91	-11.5	18.5
1,926.0	10.64	70.50	1,921.7	14.2	55.3	3.43	2.56	14.10	-11.4	23.0
2,021.0	10.02	70.85	2,015.2	19.9	71.4	0.66	-0.65	0.37	-17.3	23.9
2,116.0	9.41	68.91	2,108.8	25.4	86.5	0.73	-0.64	-2.04	-23.2	24.1
2,212.0	8.97	70.06	2,203.6	30.8	100.8	0.50	-0.46	1.20	-27.0	25.6
2,307.0	8.53	69.18	2,297.5	35.8	114.4	0.48	-0.46	-0.93	-30.9	26.1
2,402.0	8.79	68.83	2,391.4	40.9	127.7	0.28	0.27	-0.37	-34.4	27.0
2,498.0	8.79	68.83	2,486.3	46.2	141.4	0.00	0.00	0.00	-38.1	28.2
2,593.0	9.06	68.30	2,580.1	51.6	155.1	0.30	0.28	-0.56	-42.1	29.0
2,688.0	9.58	68.91	2,673.9	57.2	169.4	0.56	0.55	0.64	-46.3	30.6
2,784.0	9.41	67.68	2,768.6	63.1	184.2	0.28	-0.18	-1.28	-51.7	30.8
2,879.0	9.41	68.21	2,862.3	68.9	198.6	0.09	0.00	0.56	-56.1	32.6
2,974.0	9.58	66.28	2,956.0	75.0	213.0	0.38	0.18	-2.03	-61.9	32.0

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #704H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 32' @ 3521.0usft
Site:	Icy 18 Fed	**MD Reference:**	KB = 32' @ 3521.0usft
Well:	#704H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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)
3,070.0	9.85	65.57	3,050.6	81.6	227.8	0.31	0.28	-0.74	-67.6	32.9
3,165.0	10.73	66.37	3,144.1	88.5	243.3	0.94	0.93	0.84	-73.2	35.6
3,260.0	10.64	65.13	3,237.4	95.7	259.3	0.26	-0.09	-1.31	-80.8	35.6
3,356.0	10.64	66.72	3,331.8	102.9	275.5	0.31	0.00	1.66	-86.5	39.6
3,451.0	9.94	77.00	3,425.3	108.2	291.6	2.07	-0.74	10.82	-84.0	55.4
3,546.0	8.71	75.95	3,519.0	111.8	306.5	1.31	-1.29	-1.11	-89.5	53.5
3,641.0	8.53	77.97	3,612.9	115.1	320.4	0.37	-0.19	2.13	-90.8	56.2
3,737.0	7.83	78.05	3,708.0	117.9	333.8	0.73	-0.73	0.08	-93.3	55.6
3,832.0	7.56	79.11	3,802.1	120.4	346.2	0.32	-0.28	1.12	-94.0	56.6
3,928.0	7.47	78.67	3,897.3	122.8	358.6	0.11	-0.09	-0.46	-95.9	55.1
4,023.0	6.42	80.25	3,991.6	124.9	369.9	1.12	-1.11	1.66	-94.8	56.8
4,118.0	5.36	78.23	4,086.1	126.7	379.4	1.14	-1.12	-2.13	-95.5	52.5
4,214.0	4.22	67.77	4,181.7	129.0	387.1	1.49	-1.19	-10.90	-100.3	35.0
4,309.0	4.40	74.01	4,276.5	131.3	393.8	0.53	0.19	6.57	-92.0	46.1
4,405.0	8.44	85.35	4,371.9	132.9	404.4	4.39	4.21	11.81	-80.9	61.8
4,500.0	7.21	87.63	4,466.0	133.7	417.3	1.34	-1.29	2.40	-80.6	62.8
4,595.0	8.00	98.53	4,560.1	133.0	429.8	1.73	0.83	11.47	-69.9	73.4
4,691.0	8.79	107.23	4,655.1	129.8	443.4	1.56	0.82	9.06	-62.7	78.0
4,786.0	8.71	108.11	4,749.0	125.4	457.2	0.16	-0.08	0.93	-66.7	73.0
4,882.0	5.89	104.51	4,844.2	121.9	468.9	2.97	-2.94	-3.75	-73.6	62.8
4,977.0	4.84	99.59	4,938.8	120.1	477.5	1.21	-1.11	-5.18	-77.5	51.3
5,072.0	5.10	66.45	5,033.5	121.1	485.4	2.99	0.27	-34.88	-89.6	0.3
5,168.0	4.92	65.57	5,129.1	124.5	493.0	0.20	-0.19	-0.92	-86.9	0.6
5,263.0	5.98	60.30	5,223.7	128.6	501.0	1.23	1.12	-5.55	-84.9	-5.0
5,358.0	7.21	58.02	5,318.0	134.2	510.4	1.32	1.29	-2.40	-85.0	-5.4
5,454.0	7.12	54.94	5,413.3	140.8	520.4	0.41	-0.09	-3.21	-86.1	-6.5
5,549.0	6.16	53.27	5,507.7	147.3	529.3	1.03	-1.01	-1.76	-86.6	-5.1

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #704H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 32' @ 3521.0usft
Site:	Icy 18 Fed	**MD Reference:**	KB = 32' @ 3521.0usft
Well:	#704H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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)
5,644.0	8.18	65.84	5,601.9	153.1	539.5	2.68	2.13	13.23	-86.5	16.6
5,740.0	8.27	63.20	5,696.9	159.0	551.9	0.40	0.09	-2.75	-90.0	14.5
5,835.0	8.09	61.88	5,791.0	165.2	563.9	0.27	-0.19	-1.39	-93.1	14.7
5,930.0	6.77	66.89	5,885.2	170.6	574.9	1.55	-1.39	5.27	-92.8	24.8
6,026.0	6.24	73.40	5,980.5	174.3	585.2	0.95	-0.55	6.78	-89.1	36.0
6,121.0	6.16	70.76	6,075.0	177.4	594.9	0.31	-0.08	-2.78	-89.9	32.4
6,216.0	5.72	72.69	6,169.5	180.5	604.2	0.51	-0.46	2.03	-87.6	35.9
6,312.0	5.54	78.14	6,265.0	182.9	613.3	0.59	-0.19	5.68	-82.1	43.8
6,407.0	5.45	79.90	6,359.6	184.6	622.3	0.20	-0.09	1.85	-78.8	45.4
6,502.0	5.80	90.10	6,454.1	185.4	631.5	1.11	0.37	10.74	-68.2	56.4
6,598.0	6.51	99.68	6,549.6	184.5	641.7	1.30	0.74	9.98	-58.1	63.0
6,693.0	6.42	97.57	6,644.0	182.9	652.3	0.27	-0.09	-2.22	-60.9	56.3
6,788.0	5.98	95.28	6,738.4	181.7	662.5	0.53	-0.46	-2.41	-63.0	49.8
6,883.0	5.36	93.87	6,832.9	181.0	671.9	0.67	-0.65	-1.48	-63.1	44.5
6,979.0	4.92	106.53	6,928.6	179.5	680.3	1.26	-0.46	13.19	-50.9	52.3
7,074.0	4.48	136.15	7,023.3	175.7	686.8	2.57	-0.46	31.18	-20.6	62.9
7,169.0	2.46	133.07	7,118.1	171.6	690.8	2.13	-2.13	-3.24	-23.7	52.2
7,265.0	1.41	138.70	7,214.0	169.3	693.1	1.11	-1.09	5.86	-17.3	45.6
7,360.0	0.26	139.58	7,309.0	168.3	694.0	1.21	-1.21	0.93	-15.1	39.9
7,455.0	0.44	110.49	7,404.0	168.0	694.5	0.26	0.19	-30.62	-30.2	25.3
7,516.8	0.54	133.87	7,465.8	167.7	694.9	0.36	0.16	37.82	-17.8	34.7
Brushy Top(ICY 18 Fed #704H)										
7,551.0	0.62	142.83	7,500.0	167.4	695.2	0.36	0.24	26.21	-12.5	37.1
7,646.0	0.53	152.23	7,595.0	166.6	695.7	0.14	-0.09	9.89	-7.3	38.7
7,741.0	0.44	202.86	7,690.0	165.9	695.7	0.44	-0.09	53.29	24.7	30.5
7,836.0	0.35	162.17	7,785.0	165.3	695.7	0.30	-0.09	-42.83	-1.7	39.0
7,932.0	0.44	154.34	7,881.0	164.7	695.9	0.11	0.09	-8.16	-7.7	38.4

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #704H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 32' @ 3521.0usft
Site:	Icy 18 Fed	**MD Reference:**	KB = 32' @ 3521.0usft
Well:	#704H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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)
8,027.0	0.62	175.88	7,976.0	163.8	696.1	0.28	0.19	22.67	6.1	38.7
8,122.0	1.06	185.90	8,071.0	162.5	696.1	0.49	0.46	10.55	11.3	37.1
8,218.0	1.06	191.61	8,167.0	160.7	695.8	0.11	0.00	5.95	13.2	35.9
8,313.0	1.49	199.96	8,261.9	158.7	695.2	0.49	0.45	8.79	16.2	33.7
8,408.0	2.11	203.83	8,356.9	155.9	694.1	0.66	0.65	4.07	15.4	32.6
8,504.0	2.37	195.04	8,452.8	152.4	692.8	0.45	0.27	-9.16	6.5	34.3
8,599.0	2.37	199.61	8,547.7	148.6	691.7	0.20	0.00	4.81	5.3	33.9
8,694.0	2.46	196.88	8,642.7	144.8	690.4	0.15	0.09	-2.87	-0.3	34.0
8,790.0	2.20	204.70	8,738.6	141.2	689.1	0.43	-0.27	8.15	0.4	34.0
8,885.0	2.11	204.09	8,833.5	137.9	687.6	0.10	-0.09	-0.64	-3.5	34.0
8,980.0	1.93	204.27	8,928.4	134.9	686.2	0.19	-0.19	0.19	-6.7	34.0
9,075.0	1.85	205.94	9,023.4	132.0	684.9	0.10	-0.08	1.76	-8.9	34.2
9,171.0	1.58	211.38	9,119.4	129.5	683.5	0.33	-0.28	5.67	-8.5	35.0
9,266.0	1.06	213.49	9,214.3	127.7	682.3	0.55	-0.55	2.22	-9.4	35.4
9,361.0	0.79	171.04	9,309.3	126.3	682.0	0.75	-0.28	-44.68	-32.1	19.2
9,457.0	0.53	38.68	9,405.3	126.0	682.3	1.26	-0.27	-137.87	7.4	-37.1
9,552.0	2.29	36.48	9,500.3	127.9	683.7	1.85	1.85	-2.32	6.5	-36.8
9,647.0	2.90	29.89	9,595.2	131.5	686.1	0.71	0.64	-6.94	6.4	-36.1
9,743.0	1.41	33.85	9,691.1	134.6	687.9	1.56	-1.55	4.12	0.3	-36.3
9,838.0	1.06	24.09	9,786.1	136.3	688.9	0.43	-0.37	-10.27	4.4	-35.9
9,934.0	0.70	7.30	9,882.1	137.7	689.4	0.46	-0.37	-17.49	13.2	-33.3
10,029.0	1.14	315.71	9,977.1	139.0	688.8	0.94	0.46	-54.31	33.0	-10.9
10,124.0	1.41	309.56	10,072.0	140.4	687.2	0.32	0.28	-6.47	31.8	-7.4
10,220.0	2.90	290.49	10,168.0	142.0	684.1	1.70	1.55	-19.86	29.0	3.1
10,315.0	3.08	280.29	10,262.8	143.3	679.3	0.59	0.19	-10.74	23.0	7.7
10,410.0	2.90	259.20	10,357.7	143.3	674.4	1.17	-0.19	-22.20	13.9	14.6
10,506.0	2.64	239.69	10,453.6	141.7	670.1	1.01	-0.27	-20.32	3.8	17.6

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #704H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 32' @ 3521.0usft
Site:	Icy 18 Fed	**MD Reference:**	KB = 32' @ 3521.0usft
Well:	#704H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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)
10,601.0	1.76	225.97	10,548.5	139.6	667.2	1.07	-0.93	-14.44	-4.1	17.5
10,697.0	1.41	236.87	10,644.5	137.9	665.1	0.48	-0.36	11.35	-3.3	18.2
10,792.0	1.58	247.16	10,739.5	136.8	663.0	0.33	0.18	10.83	-2.5	18.7
10,887.0	1.41	249.35	10,834.4	135.9	660.7	0.19	-0.18	2.31	-4.3	18.8
10,983.0	1.23	283.63	10,930.4	135.7	658.5	0.83	-0.19	35.71	5.1	18.6
11,078.0	0.88	261.48	11,025.4	135.8	656.8	0.56	-0.37	-23.32	-4.0	18.8
11,173.0	1.32	218.77	11,120.4	134.9	655.4	0.95	0.46	-44.96	-17.3	10.6
11,269.0	1.58	228.08	11,216.4	133.1	653.7	0.36	0.27	9.70	-17.8	13.4
11,364.0	1.76	240.04	11,311.3	131.5	651.5	0.41	0.19	12.59	-17.3	17.1
11,459.0	1.14	271.77	11,406.3	130.8	649.3	1.04	-0.65	33.40	-7.9	24.4
11,555.0	1.41	316.33	11,502.3	131.7	647.5	1.04	0.28	46.42	9.6	23.7
11,701.0	1.93	303.14	11,648.2	134.3	644.2	0.44	0.36	-9.03	-0.2	24.8
11,796.0	1.58	305.16	11,743.2	136.0	641.8	0.37	-0.37	2.13	-2.3	24.9
11,889.0	0.45	258.55	11,836.1	136.6	640.4	1.41	-1.21	-50.12	-20.9	14.5
KOP, MD:11889.0', TVD:11836.1',N/S:136.6', E/W:640.4', INC:0.45										
11,891.0	0.44	255.33	11,838.1	136.6	640.4	1.41	-0.65	-160.85	-21.7	13.3
11,987.0	16.62	167.53	11,932.8	123.0	643.0	17.30	16.85	-91.46	-25.4	-21.1
12,038.5	25.86	165.51	11,980.7	104.9	647.4	18.00	17.95	-3.92	-35.6	-20.3
FTP Crossing, MD:12038.5', TVD:11980.7',N/S:104.9', E/W:647.4', INC:25.86										
12,082.0	33.68	164.63	12,018.5	84.1	653.0	18.00	17.97	-2.02	-46.6	-18.0
12,177.0	45.29	163.48	12,091.7	26.1	669.7	12.24	12.22	-1.21	-73.0	-7.2
12,273.0	52.14	165.24	12,155.0	-43.3	689.0	7.27	7.14	1.83	-93.5	13.0
FTP(ICY 18 Fed #704H)										
12,368.0	59.88	178.34	12,208.2	-121.0	699.8	14.02	8.15	13.79	-97.6	39.0
12,397.0	62.70	178.86	12,222.1	-146.4	700.4	9.85	9.72	1.79	-98.0	40.0
12,493.0	67.09	182.55	12,262.9	-233.3	699.3	5.75	4.57	3.84	-89.1	40.5
12,588.0	70.17	183.26	12,297.5	-321.6	694.8	3.32	3.24	0.75	-64.5	35.8

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #704H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 32' @ 3521.0usft
Site:	Icy 18 Fed	**MD Reference:**	KB = 32' @ 3521.0usft
Well:	#704H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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)
12,683.0	72.11	181.90	12,328.2	-411.4	690.8	2.45	2.04	-1.43	-34.0	30.3
12,779.0	79.40	180.14	12,351.8	-504.4	689.2	7.80	7.59	-1.83	-11.1	27.2
12,874.0	85.65	179.26	12,364.2	-598.6	689.7	6.64	6.58	-0.93	0.9	27.0
12,970.0	88.81	179.88	12,368.8	-694.4	690.4	3.35	3.29	0.65	5.5	27.1
13,065.0	89.69	181.20	12,370.0	-789.4	689.5	1.67	0.93	1.39	6.7	25.6
13,160.0	90.13	181.37	12,370.2	-884.4	687.4	0.50	0.46	0.18	6.7	22.9
13,256.0	89.52	180.84	12,370.5	-980.4	685.5	0.84	-0.64	-0.55	7.0	20.5
13,351.0	90.22	181.11	12,370.7	-1,075.4	683.9	0.79	0.74	0.28	7.1	18.3
13,447.0	90.75	180.67	12,369.9	-1,171.3	682.4	0.72	0.55	-0.46	6.2	16.2
13,542.0	87.49	179.88	12,371.3	-1,266.3	681.9	3.53	-3.43	-0.83	7.6	15.1
13,637.0	87.14	179.79	12,375.8	-1,361.2	682.2	0.38	-0.37	-0.09	11.9	14.8
13,733.0	87.76	179.26	12,380.1	-1,457.1	683.0	0.85	0.65	-0.55	16.1	15.0
13,828.0	92.86	181.11	12,379.5	-1,552.1	682.7	5.71	5.37	1.95	15.5	14.2
13,923.0	93.83	181.28	12,374.0	-1,646.9	680.7	1.04	1.02	0.18	9.9	11.6
14,019.0	92.24	182.25	12,368.9	-1,742.7	677.8	1.94	-1.66	1.01	4.7	8.0
14,114.0	92.07	181.11	12,365.3	-1,837.6	675.0	1.21	-0.18	-1.20	1.1	4.7
14,210.0	91.36	180.84	12,362.5	-1,933.5	673.4	0.79	-0.74	-0.28	-1.9	2.4
14,305.0	88.99	180.14	12,362.2	-2,028.5	672.5	2.60	-2.49	-0.74	-2.2	1.0
14,400.0	87.05	179.44	12,365.5	-2,123.5	672.9	2.17	-2.04	-0.74	1.0	0.8
14,496.0	88.46	179.88	12,369.2	-2,219.4	673.5	1.54	1.47	0.46	4.6	0.8
14,591.0	89.52	179.44	12,370.9	-2,314.4	674.0	1.21	1.12	-0.46	6.2	0.7
14,687.0	88.81	179.35	12,372.3	-2,410.4	675.0	0.75	-0.74	-0.09	7.5	1.2
14,782.0	90.48	179.61	12,372.9	-2,505.3	675.9	1.78	1.76	0.27	8.1	1.4
14,877.0	94.79	179.53	12,368.5	-2,600.2	676.6	4.54	4.54	-0.08	3.6	1.6
14,973.0	94.53	180.49	12,360.7	-2,695.9	676.6	1.03	-0.27	1.00	-4.3	1.0
15,068.0	90.13	179.44	12,356.9	-2,790.8	676.7	4.76	-4.63	-1.11	-8.2	0.4
15,163.0	87.76	178.38	12,358.6	-2,885.8	678.5	2.73	-2.49	-1.12	-6.6	1.7

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #704H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 32' @ 3521.0usft
Site:	Icy 18 Fed	**MD Reference:**	KB = 32' @ 3521.0usft
Well:	#704H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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)
15,259.0	87.67	178.38	12,362.4	-2,981.6	681.2	0.09	-0.09	0.00	-2.8	3.8
15,354.0	91.10	178.29	12,363.5	-3,076.6	683.9	3.61	3.61	-0.09	-1.9	5.9
15,449.0	91.45	179.35	12,361.3	-3,171.5	685.9	1.17	0.37	1.12	-4.1	7.3
15,545.0	90.92	180.14	12,359.4	-3,267.5	686.3	0.99	-0.55	0.82	-6.1	7.1
15,640.0	89.25	179.79	12,359.2	-3,362.5	686.4	1.80	-1.76	-0.37	-6.4	6.6
15,736.0	89.96	179.61	12,359.9	-3,458.5	686.9	0.76	0.74	-0.19	-5.8	6.5
15,831.0	89.43	180.49	12,360.4	-3,553.5	686.8	1.08	-0.56	0.93	-5.4	5.9
15,926.0	90.04	180.05	12,360.8	-3,648.5	686.3	0.79	0.64	-0.46	-5.0	4.8
16,022.0	89.52	180.84	12,361.2	-3,744.5	685.6	0.99	-0.54	0.82	-4.7	3.5
16,117.0	88.72	181.02	12,362.7	-3,839.5	684.1	0.86	-0.84	0.19	-3.3	1.3
16,137.0	88.72	181.13	12,363.1	-3,859.5	683.7	0.56	0.00	0.56	-2.9	0.8
TGT#1(ICY 18 Fed #704H)										
16,212.0	88.72	181.55	12,364.8	-3,934.4	681.9	0.56	0.00	0.56	-1.2	-1.4
16,307.0	90.92	181.63	12,365.1	-4,029.4	679.3	2.32	2.32	0.08	-0.8	-4.6
16,403.0	88.29	181.72	12,365.7	-4,125.3	676.5	2.74	-2.74	0.09	-0.1	-8.0
16,498.0	89.08	181.90	12,367.9	-4,220.3	673.5	0.85	0.83	0.19	2.2	-11.6
16,593.0	86.61	180.40	12,371.5	-4,315.2	671.6	3.04	-2.60	-1.58	5.8	-14.1
16,689.0	89.78	179.09	12,374.5	-4,411.1	672.0	3.57	3.30	-1.36	8.9	-14.2
16,791.0	95.32	177.95	12,370.0	-4,512.9	674.6	5.54	5.43	-1.12	4.4	-12.3
16,887.0	95.76	176.54	12,360.7	-4,608.4	679.2	1.53	0.46	-1.47	-4.7	-8.2
16,982.0	90.31	180.67	12,355.7	-4,703.1	681.5	7.19	-5.74	4.35	-9.7	-6.5
17,077.0	83.36	179.79	12,360.9	-4,797.9	681.1	7.37	-7.32	-0.93	-4.3	-7.5
17,172.0	86.17	179.26	12,369.6	-4,892.5	681.9	3.01	2.96	-0.56	4.4	-7.3
17,268.0	89.08	177.86	12,373.6	-4,988.4	684.3	3.36	3.03	-1.46	8.5	-5.5
17,363.0	90.13	176.98	12,374.2	-5,083.3	688.6	1.44	1.11	-0.93	9.2	-1.8
17,458.0	90.22	176.28	12,373.9	-5,178.1	694.2	0.74	0.09	-0.74	9.0	3.2
17,553.0	91.10	175.75	12,372.8	-5,272.9	700.8	1.08	0.93	-0.56	8.0	9.2

EOG Resources

Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #704H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 32' @ 3521.0usft
Site:	Icy 18 Fed	**MD Reference:**	KB = 32' @ 3521.0usft
Well:	#704H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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)
17,649.0	90.84	177.42	12,371.2	-5,368.7	706.5	1.76	-0.27	1.74	6.4	14.3
17,744.0	89.60	180.06	12,370.8	-5,463.7	708.6	3.07	-1.31	2.78	6.1	15.9
17,839.0	87.41	180.14	12,373.3	-5,558.6	708.4	2.31	-2.31	0.08	8.7	15.1
17,935.0	90.40	179.44	12,375.2	-5,654.6	708.8	3.20	3.11	-0.73	10.6	14.9
18,030.0	92.24	179.62	12,373.0	-5,749.6	709.6	1.95	1.94	0.19	8.5	15.1
18,125.0	89.87	181.02	12,371.2	-5,844.6	709.0	2.90	-2.49	1.47	6.8	13.9
18,221.0	89.43	180.41	12,371.8	-5,940.5	707.8	0.78	-0.46	-0.64	7.5	12.1
18,316.0	90.92	180.85	12,371.5	-6,035.5	706.8	1.64	1.57	0.46	7.3	10.5
18,411.0	91.28	179.88	12,369.7	-6,130.5	706.2	1.09	0.38	-1.02	5.5	9.3
18,507.0	93.83	180.67	12,365.4	-6,226.4	705.7	2.78	2.66	0.82	1.3	8.3
18,602.0	92.07	182.25	12,360.5	-6,321.2	703.3	2.49	-1.85	1.66	-3.5	5.3
18,697.0	91.28	180.85	12,357.7	-6,416.2	700.7	1.69	-0.83	-1.47	-6.2	2.1
18,792.0	91.63	181.55	12,355.3	-6,511.1	698.8	0.82	0.37	0.74	-8.5	-0.5
18,888.0	84.50	181.20	12,358.6	-6,607.0	696.5	7.44	-7.43	-0.36	-5.2	-3.4
18,895.5	84.66	181.12	12,359.3	-6,614.4	696.3	2.41	2.14	-1.12	-4.5	-3.6
TGT#2(ICY 18 Fed #704H)										
18,983.0	86.53	180.14	12,366.0	-6,701.7	695.4	2.41	2.14	-1.12	2.3	-5.1
19,078.0	86.97	180.23	12,371.4	-6,796.5	695.0	0.47	0.46	0.09	7.7	-6.0
19,174.0	93.12	182.34	12,371.3	-6,892.4	692.9	6.77	6.41	2.20	7.8	-8.7
19,269.0	86.00	179.79	12,372.0	-6,987.3	691.1	7.96	-7.49	-2.68	8.5	-11.1
19,386.0	86.88	180.58	12,379.3	-7,104.1	690.8	1.01	0.75	0.68	15.9	-12.2
19,491.0	90.13	178.03	12,382.0	-7,209.1	692.0	3.93	3.10	-2.43	18.7	-11.5
19,618.0	91.10	178.03	12,380.7	-7,336.0	696.4	0.76	0.76	0.00	17.5	-7.9
19,650.0	91.01	177.59	12,380.1	-7,367.9	697.6	1.40	-0.28	-1.37	16.9	-6.9
19,687.0	92.77	178.39	12,378.9	-7,404.9	698.9	5.22	4.76	2.16	15.7	-5.9
Last MWD Survey (MD=19687.0')										

EOG Resources
Midland PVA

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #704H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 32' @ 3521.0usft
Site:	Icy 18 Fed	**MD Reference:**	KB = 32' @ 3521.0usft
Well:	#704H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM

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)
19,886.0	92.77	178.39	12,369.3	-7,603.6	704.5	0.00	0.00	0.00	6.3	-1.5
Projection to Bit (MD=19886.0') - PBHL(ICY 18 Fed #704H)										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
11,889.0	11,836.1	136.6	640.4	KOP, MD:11889.0', TVD:11836.1',N/S:136.6', E/W:640.4', INC:0.45
12,038.5	11,980.7	104.9	647.4	FTP Crossing, MD:12038.5', TVD:11980.7',N/S:104.9', E/W:647.4', INC:25.86
19,687.0	12,378.9	-7,404.9	698.9	Last MWD Survey (MD=19687.0')
19,886.0	12,369.3	-7,603.6	704.5	Projection to Bit (MD=19886.0')

Checked By: _____ Approved By: _____ Date: _____

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

Kay Maddox 02/09/2021

Lea County, NM (NAD 83 NME)

Icy 18 Fed #704H

Plan #4

eog resources

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: -0.38°
Magnetic North: 6.30°

Magnetic Field
Strength: 47551.9nT
Dip Angle: 59.85°
Date: 5/10/2020
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.30°
To convert a Magnetic Direction to a True Direction, Add 6.69° East
To convert a True Direction to a Grid Direction, Subtract 0.38°

WELL DETAILS: #704H

3489.0
KB = 32' @ 3521.0usft

Northing	Easting	Latittude	Longitude
414431.00	763819.00	32° 8' 14.312 N	103° 36' 52.410 W

SECTION DETAILS

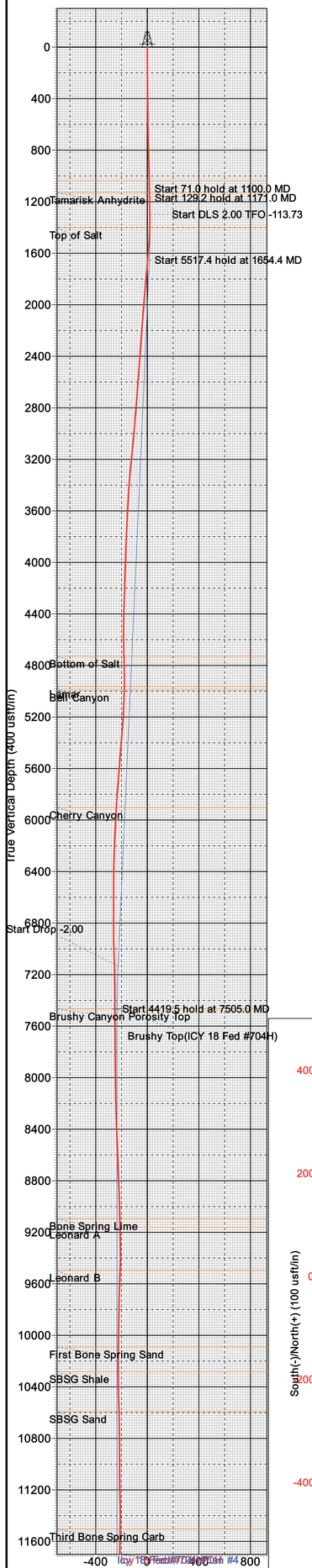
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	1100.0	1.32	177.98	1099.9	-16.3	1.8	0.00	0.00	16.4	
2	1171.0	1.32	177.98	1170.8	-18.0	1.9		0.00	18.1	
3	1300.2	1.32	177.98	1300.0	-21.0	2.0	0.00	0.00	21.0	
4	1654.4	6.66	74.65	1653.4	-19.6	22.0	2.00	-113.73	21.5	
5	7171.9	6.66	74.65	7133.6	149.9	639.3	0.00	0.00	-90.1	
6	7505.0	0.00	0.00	7466.0	155.0	658.0	2.00	180.00	-93.5	Brushy Top(ICY 18 Fed #704H)
7	11924.5	0.00	0.00	11885.5	155.0	658.0	0.00	0.00	-93.5	
8	12674.1	89.95	179.65	12363.0	-322.0	661.0	12.00	179.65	381.8	
9	16211.5	89.95	179.65	12366.0	-3859.4	682.8	0.00	0.00	3906.0	TGT#1(ICY 18 Fed #704H)
10	16216.3	90.05	179.65	12366.0	-3864.2	682.9	2.00	0.00	3910.7	
11	19957.2	90.05	179.65	12363.0	-7605.0	706.0	0.00	0.00	7637.7	PBHL(ICY 18 Fed #704H)

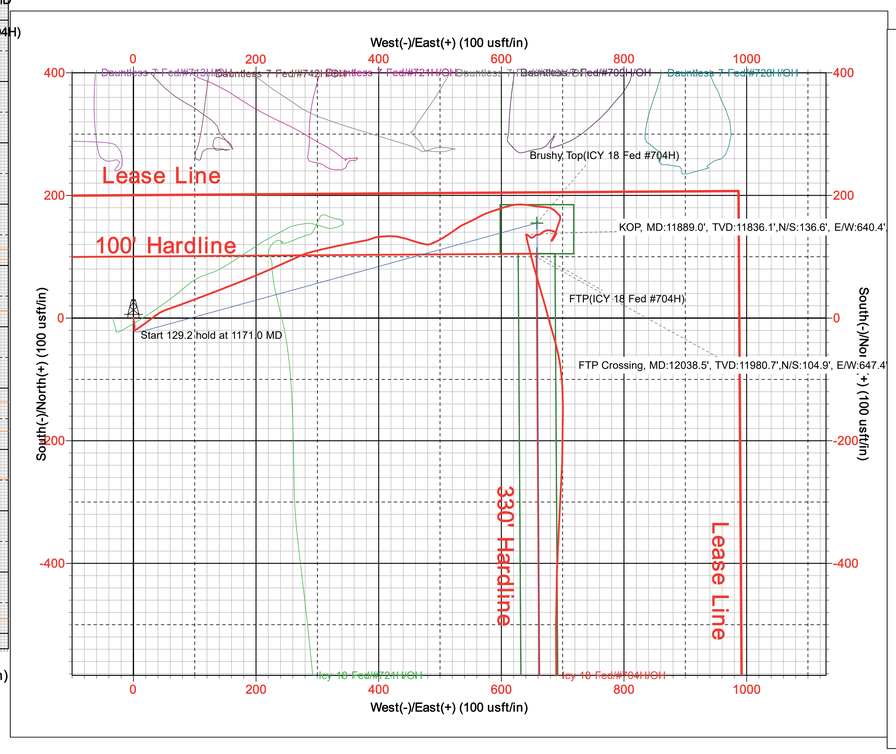
CASING DETAILS

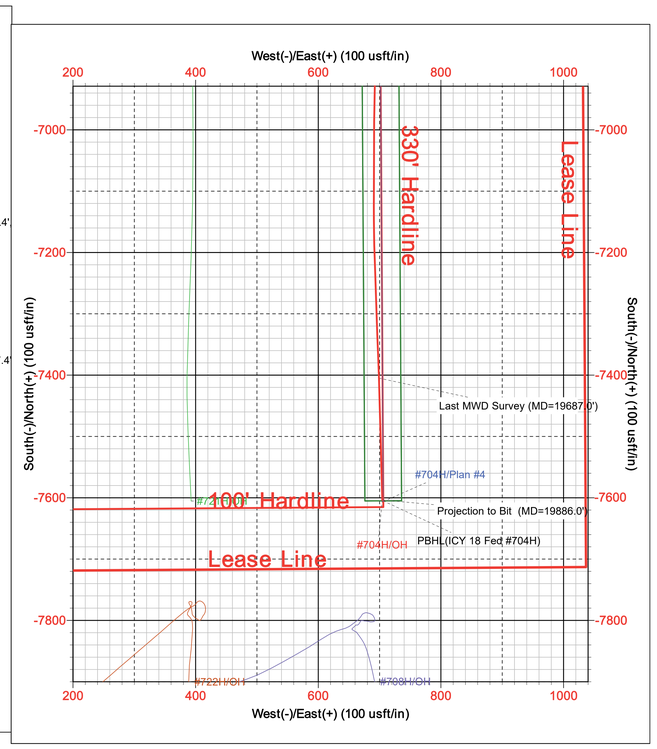
No casing data is available

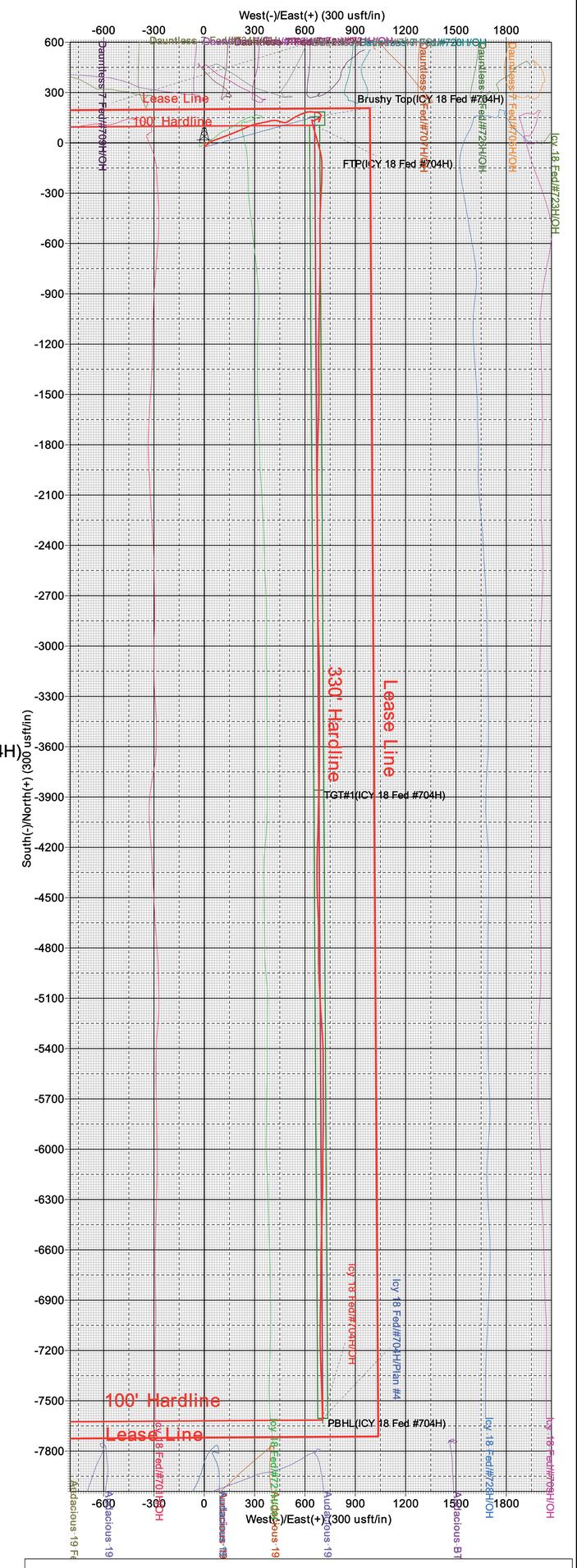
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

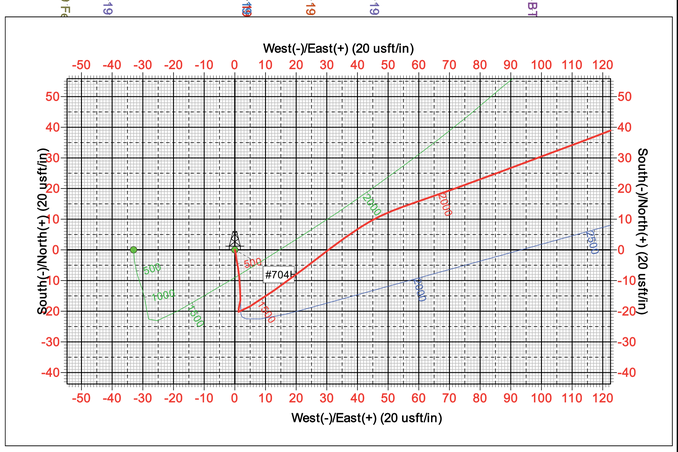
Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(ICY 18 Fed #704H)	7466.0	155.0	658.0	414586.00	764477.00
FTP(ICY 18 Fed #704H)	12363.0	105.0	658.0	414536.00	764477.00
PBHL(ICY 18 Fed #704H)	12363.0	-7605.0	706.0	406826.00	764525.00
TGT#1(ICY 18 Fed #704H)	12366.0	-3859.4	682.8	410571.60	764501.83

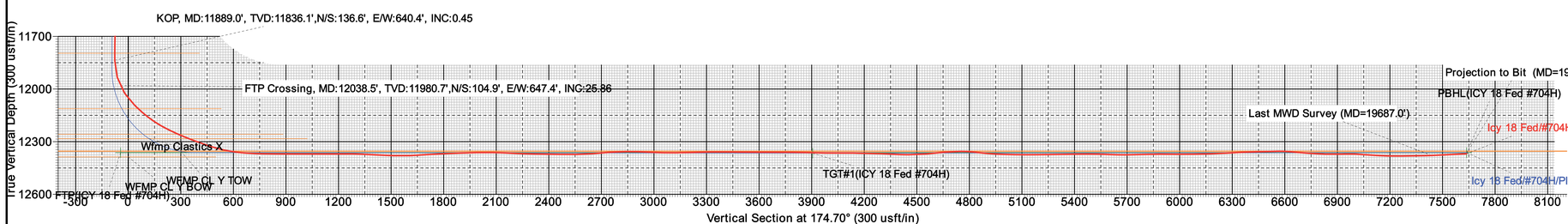


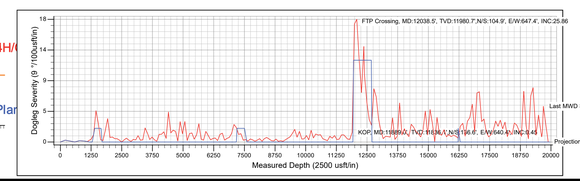












Lea County, NM (NAD 83 NME)
Icy 18 Fed
#704H
OH
Plan #4
15:13, May 18 2020

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

02/17/2021

Well Name: ICY 18 FED	**Well Location:** T25S / R33E / SEC 18 / NENW / 32.137309 / -103.6145586	**County or Parish/State:** LEA / NM
Well Number: 704H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM110838	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3002546709	**Well Status:** Approved Application for Permit to Drill	**Operator:** EOG RESOURCES INCORPORATED

Subsequent Report

Type of Submission: Subsequent Report

Type of Action: Hydraulic Fracturing

Date Sundry Submitted: 02/10/2021

Time Sundry Submitted: 03:31

Date Operation Actually Began: 01/11/2021

Actual Procedure: 05/19/2020 RIG RELEASED 06/05/2020 MIRU TEST VOID TO 5000 PSI, SEALS AND FLANGES TO 8500 PSI 09/10/2020 BEGIN PERF AND FRAC 09/19/2020 FINISH 26 STAGES PERF & FRAC, 12,710-19,860' W/ 3 1/8" 1560 SHOTS, FRAC W/18,433,745 LBS PROPPANT + 243,431 BBLS LOAD FLUID 10/27/2020 DRILLED OUT PLUGS AND CLEAN OUT WELLBORE 01/11/2021 OPENED WELL TO FLOWBACK – DATE OF FIRST PRODUCTION

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: MADDOX

Signed on: FEB 10, 2021 03:30 PM

Name: EOG RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: 1111 BAGBY SKY LOBBY2

City: HOUSTON **State:** TX

Phone: (713) 651-7000

Email address:

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address: KAY_MADDOX@EOGRESOURCES.COM

Well Name: ICY 18 FED

Well Location: T25S / R33E / SEC 18 / NENW / 32.137309 / -103.6145586

County or Parish/State: LEA / NM

Well Number: 704H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM110838

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002546709

Well Status: Approved Application for Permit to Drill

Operator: EOG RESOURCES INCORPORATED

BLM Point of Contact

BLM POC Name: Jonathon W Shepard

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345972

BLM POC Email Address: jshepard@blm.gov

Disposition: Accepted

Disposition Date: 02/17/2021

Signature: Jonathon Shepard

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised August 1, 2011

1. WELL API NO. 30-025-46709
2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☒ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name: ICY 18 FEDERAL
6. Well Number: 704H

7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____

8. Name of Operator: EOG RESOURCES INC
9. OGRID: 7377
10. Address of Operator: PO BOX 2267 MIDLAND, TEXAS 79702
11. Pool name or Wildcat: KZ WC025 G09 S253309P; UPPER WOLFCAMP

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	C	18	25S	33E		200	NORTH	1650	WEST	LEA
BH:	F	19	25S	33E		2530	NORTH	2311	WEST	LEA

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
04/10/2020	05/18/2020	05/19/2020	01/11/2021	3489' GR

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
MD 19,886' TVD 12,369'	MD 19,860' TVD 12,369'	YES	None

22. Producing Interval(s), of this completion - Top, Bottom, Name: WOLFCAMP 12,710 - 19,860'

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	40# J-55	1,156'	12 1/4"	490 CL C/CIRC	
7 5/8"	29.7# ECP 110	11,640'	8 3/4"	1510 CL C & H/30'	
5 1/2"	20# HCP 110	19,870'	6 3/4"	785 CL H TOC 7570'	CBL

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

12,710 - 19,860' 3 1/8", 1560 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,710 -19,860'	FRAC W/18,433,745 lbs proppant, 243,431 bbls load fld

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
1/11/2021	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
01/28/2021	24	106		4209	8739	7401	2076

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
	1012					48

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*: SOLD
30. Test Witnessed By

31. List Attachments: C-102, C-104, C-103, Directional Survey, H spacing, Gas capture

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude _____ Longitude _____ NAD 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Kay Maddox Printed Name Kay Maddox Title Senior Regulatory Specialist Date 02/22/2021

E-mail Address kay_maddox@eogresources.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy Rustler 1031'	T. Canyon Brushy 7,459	T. Ojo Alamo	T. Penn A"
T. Salt 1395'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 4722'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo	T. 1st BS Sand 10,083'	T. Entrada	
T. Wolfcamp 12,251'	T. 2nd BS Sand 10,586'	T. Wingate	
T. Penn	T. 3rd BS Sand 11,789'	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from……..……..….to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to……..

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from…….to……feet……

No. 2, from…….to……feet……

No. 3, from…….to……feet……

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit Original to Appropriate District Office

GAS CAPTURE PLAN

Date: 02/11/2021

☐ Original

Operator & OGRID No.: EOG Resources Inc 7377

☒ Amended - Reason for Amendment: NEWLY COMPLETED WELL

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
ICY 18 FEDERAL #704H	30-025-46709	18-25S-33E	200' FNL & 1650' FWL	8539	255 mcf total flared	New Well

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to ENTERPRISE and will be connected to EOG Resources Inc low/high pressure gathering system located in LEA County, New Mexico. It will require N/A' of pipeline to connect the facility to low/high pressure gathering system. EOG Resources Inc provides (periodically) to ENTERPRISE a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, EOG Resources Inc and ENTERPRISE have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at ENTERPRISE Processing Plant located in LEA County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on ENTERPRISE system at that time. Based on current information, it is EOG Resources Inc belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 18843

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
EOG RESOURCES INC P.O. Box 2267 Midland, TX79702	7377	18843	C-104C

OCD Reviewer	Condition
plmartinez	None