

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice.

Test Allowable, New Well and Recompleted Well

- ☒ C-103 (or BLM equivalent) for all casing strings
 - ☐ Spud Notice
 - ☐ Surface Casing
 - ☐ Intermediate Casing (if applicable)
 - ☐ Additional Intermediate Casing (if applicable)
 - ☐ Production Casing or Liner
 - ☒ *Tbg. exception missing*
- ☐ Applicable Order (NSL, NSP, Other _____)
- ☐ Deviation Survey for Vertical Wells
- ☒ Directional Survey *Certified*
 - ☒ C-102 (As-Drilled Plat for Horizontal Well)

New Well and Recompleted Well Only

- ☒ C-103 Completion Sundry (or BLM equivalent) *Amend C-103*
- ☐ C-105 Completion Report (or BLM equivalent)
- ☐ All Logs Run on Well

If you have any questions please contact the local OCD District Office

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 ResourcesNM OIL CONSERVATION
ARTESIA DISTRICT

OCT 16 2019

Form C-104
Revised August 1, 2011

Oil Conservation Division

Submitted to appropriate District Office

1220 South St. Francis Dr.
Santa Fe, NM 87505☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TX 79702		² OGRID Number 7377
		³ Reason for Filing Code/ Effective Date NW 09/17/2019
⁴ API Number 30 - 015-45788	⁵ Pool Name WILDCAT G-015 S2630010; BONE SPRING	⁶ Pool Code 97814
⁷ Property Code 325170	QUAIL 2 STATE	⁹ Well Number 594H

II. ¹⁰ Surface Location

UL or lot no. C	Section 02	Township 26S	Range 30E	Lot Idn	Feet from the 300'	North/South NORTH	Feet from the 1596'	East/West line WEST	County EDDY
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¹¹ Bottom Hole Location

UL or lot no. N	Section 02	Township 26S	Range 30E	Lot Idn	Feet from the 121'	North/South SOUTH	Feet from the 1556'	East/West line WEST	County EDDY
¹² Lse Code S	¹³ Producing Method Code FLOWING	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

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 SRVICES, LLC	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

²¹ Spud Date 05/14/2019	²² Ready Date 09/17/2019	²³ TD 15,288'	²⁴ PBDT 15,288'	²⁵ Perforations 10,625-15,288'	²⁶ DHC, MC
²⁷ Hole Size 17 1/2"	²⁸ Casing & Tubing Size 13 3/8"	²⁹ Depth Set 1220'	³⁰ Sacks Cement 1160 SXS CL C/CIRC		
12 1/4"	9 5/8"	3706'	1275 SXS CL C/CIRC		
8 3/4"	5 1/2"	15,238'	1720 SXS CL H/TOC 2590' CBL		

V. Well Test Data

³¹ Date New Oil 09/17/2019	³² Gas Delivery Date 09/17/2019	³³ Test Date 09/24/2019	³⁴ Test Length 24HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 765
³⁷ Choke Size 84	³⁸ Oil 2001 BOPD	³⁹ Water 5613 BWPD	⁴⁰ Gas 6437 MCFPD		⁴¹ Test Method

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 MaddoxTitle:
Regulatory AnalystE-mail Address:
Kay_Maddox@eogresources.comDate:
10/15/2019Phone:
432-686-3658

OIL CONSERVATION DIVISION

Approved:

DENIED

Title:

See Attached Cover Sheet

Approval D

*tbg. size & class missing



EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(432) 686-3600

October 15, 2019

State of New Mexico
Oil Conservation Division – District 2
811 S First St
Artesia, New Mexico 88210

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 16 2019

RECEIVED

Re: Request for exception to Rule 107 J
Tubingless Completion
QUAIL 2 STATE #594H

EOG Resources, Inc. requests an exception to NMOCD Rule 107 J regarding required production tubing. EOG requests a tubingless completion for the well listed above to allow greater flowback after frac stimulation.

The plan is to install production tubing as soon as flow decreases, which should occur within 6 months.

Thank you for your consideration of this request. If additional information is needed, please contact me at 432 686-3658.

Sincerely,

EOG Resources, Inc.

A handwritten signature in black ink that reads "Kay Maddox".

Kay Maddox
Regulatory Analyst

C-103- Required?
Yes, supply a
Htg. exception C-103

NM OIL CONSERVATION

ARTESIA DISTRICT

FORM C-102

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

OCT 16 2019

Revised August 1, 2011

Submit one copy to appropriate

RECEIVED

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45788		² Pool Code 97814	³ Pool Name WILDCAT G-015 S2630010; BONE SPRING
⁴ Property Code 325170	⁵ Property Name QUAIL 2 STATE		⁶ Well Number 594H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3215'

¹⁰Surface Location

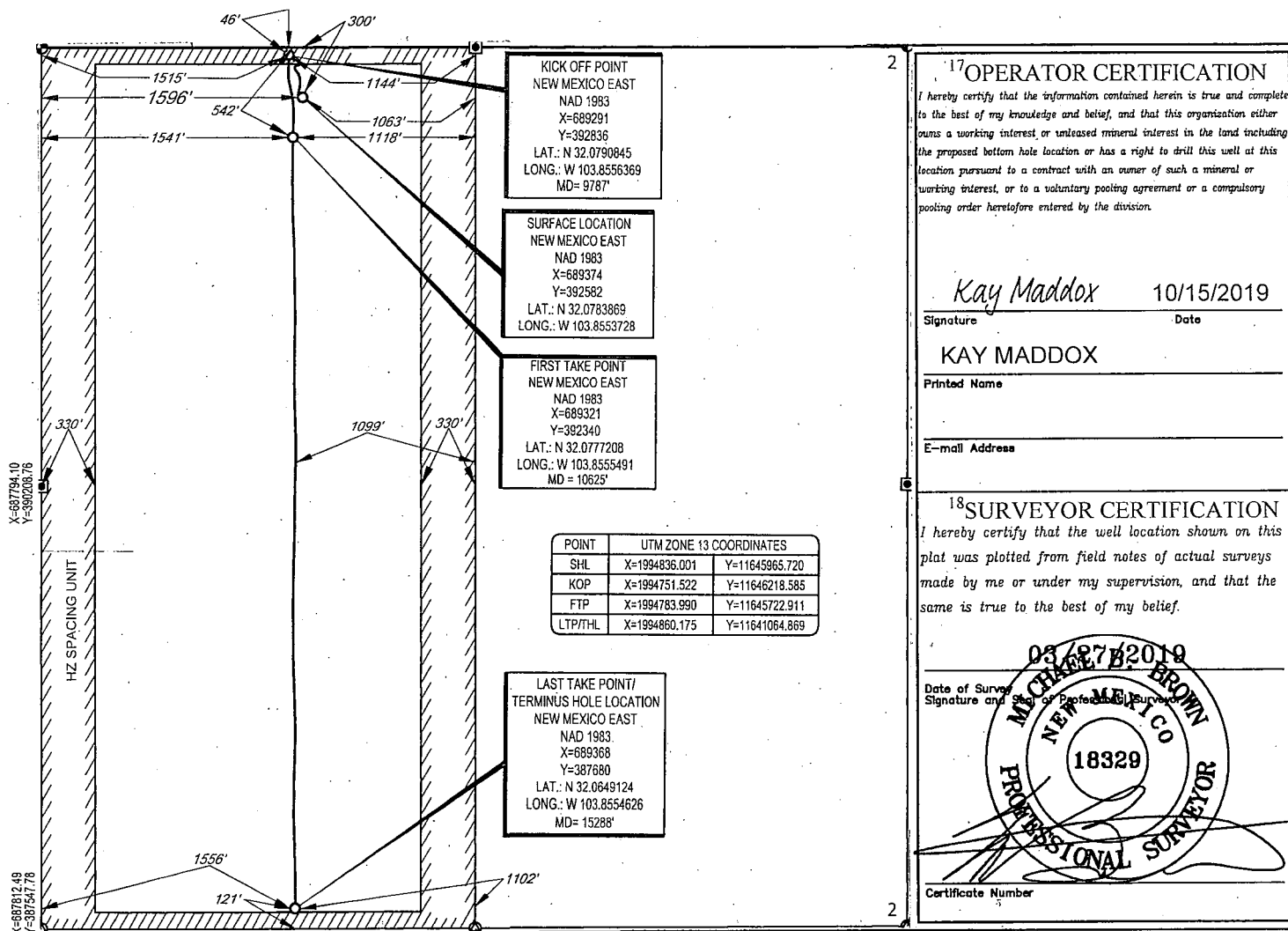
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	2	26-S	30-E	-	300'	NORTH	1596'	WEST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	26-S	30-E	-	121'	SOUTH	1556'	WEST	EDDY

¹² Dedicated Acres 320.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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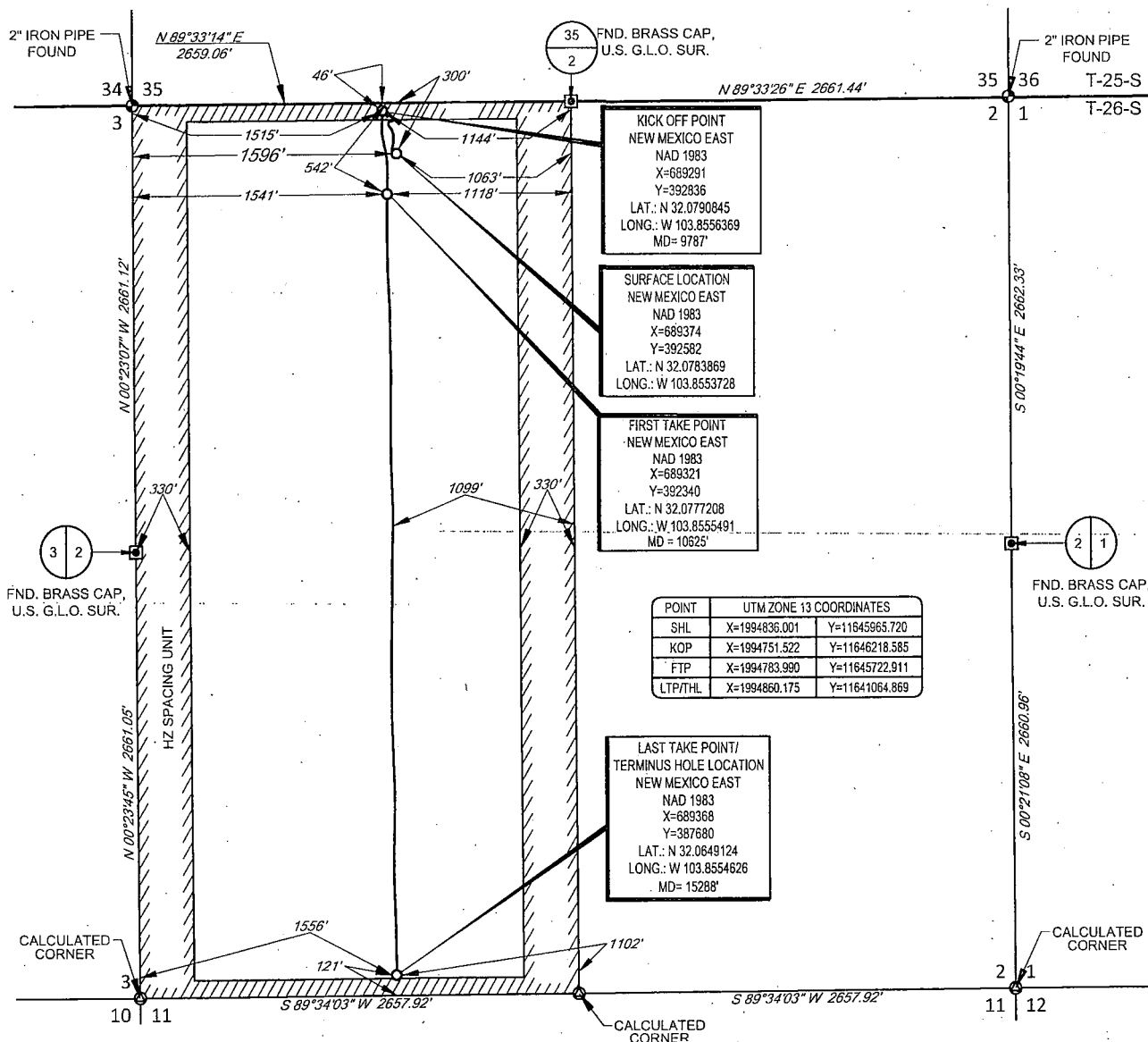
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SCALE: 1" = 1000'

0' 500' 1000'

SECTION 2, TOWNSHIP 26-S, RANGE 30-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

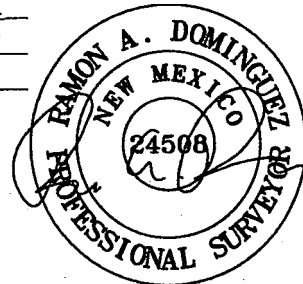


LEASE NAME & WELL NO.: QUAIL 2 STATE #594H
SECTION 2 TWP 26-S RGE 30-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM ELEVATION 3215'
DESCRIPTION 300' FNL & 1596' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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



Ramon A. Dominguez, PS No. 24508
SEPTEMBER 24, 2019

QUAIL 2 STATE COM #594H AS-COMPLETED		REVISION:	NOTES:
DATE: 09/24/2019			1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
FILE: AD_QUAIL_2_STATE_COM_594H			2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1983.
DRAWN BY: A.V.F.			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.
SHEET: 1 OF 1			

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 16 2019

Intent ☐ As Drilled ☒ XXX

RECEIVED

API # 30-015-45788		
Operator Name: EOG RESOURCES, INC	Property Name: QUAIL 2 STATE	Well Number 594H

Kick Off Point (KOP)

UL C	Section 2	Township 26S	Range 30E	Lot	Feet 46	From N/S NORTH	Feet 1515	From E/W WEST	County LEA
Latitude 32.070845					Longitude 103.8556369			NAD 1983	

First Take Point (FTP)

UL C	Section 2	Township 26S	Range 30E	Lot	Feet 542	From N/S NORTH	Feet 1541	From E/W WEST	County LEA
Latitude 32.0777208					Longitude 103.8555491			NAD 1983	

Last Take Point (LTP)

UL N	Section 2	Township 26S	Range 30E	Lot	Feet 121	From N/S SOUTH	Feet 1556	From E/W WEST	County LEA
Latitude 32.0649124					Longitude 103.8554626			NAD 1983	

Is this well the defining well for the Horizontal Spacing Unit? ☒ YES

Is this well an infill well? ☐ NO

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

API #		
Operator Name: EOG RESOURCES, INC	Property Name:	Well Number

KZ 06/29/2018

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 16 2019

RECEIVED



EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Quail 2 State

#594H

OH

Design: OH

Midland PVA

27 May, 2019



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #594H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3240.0usft
Site:	Quail 2 State	MD Reference:	KB = 25' @ 3240.0usft
Well:	#594H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Project Eddy 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 Quail 2 State			
Site Position:		Northing:	392,582.00 usft
From:	Map	Easting:	689,374.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 42.190 N
		Longitude:	103° 51' 19.344 W
		Grid Convergence:	0.25 °

Well #594H			
Well Position	+N-S	Northing:	392,582.00 usft
	+E-W	Easting:	689,374.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 4' 42.190 N
		Longitude:	103° 51' 19.344 W
		Ground Level:	3.215.0 usft

Wellbore OH			
Magnetics:	Model Name	Sample Date	Declination
	IGRF2015	3/5/2019	(°)
			6.89
			Dip Angle
			(°)
			59.86
			Field Strength
			(nT)
			47,647.26507391

Design OH			
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			180.26

Survey Program Date 5/27/2019			
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
133.0	15,288.0	Total MWD (OH)	MWD
			OWSG MWD - Standard



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #594H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3240.0usft
Site:	Quail 2 State	MD Reference:	KB = 25' @ 3240.0usft
Well:	#594H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
133.0	0.00	0.00	133.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
245.0	0.70	268.70	245.0	0.0	-0.7	0.62	0.62	0.00	-0.7	0.0
331.0	0.90	284.00	331.0	0.1	-1.9	0.34	0.23	17.79	-1.8	0.3
507.0	0.80	288.00	507.0	0.9	-4.4	0.07	-0.06	2.27	-4.4	0.5
694.0	2.40	291.60	693.9	2.7	-9.3	0.86	0.86	1.93	-9.6	0.9
880.0	2.50	288.00	879.7	5.4	-16.7	0.10	0.05	-1.94	-17.6	0.1
1,067.0	3.00	330.40	1,066.5	10.9	-23.0	1.09	0.27	22.67	-20.8	14.7
1,161.0	4.10	358.40	1,160.3	16.4	-24.3	2.15	1.17	29.79	-17.0	23.9
1,220.0	4.28	5.31	1,219.2	20.7	-24.2	0.91	0.31	11.71	-18.3	26.0
1,253.0	4.40	8.90	1,252.1	23.2	-23.9	0.90	0.36	10.88	-19.2	27.2
1,347.0	4.20	14.90	1,345.8	30.1	-22.4	0.52	-0.21	6.38	-21.9	28.7
1,440.0	3.90	16.80	1,438.6	36.4	-20.7	0.35	-0.32	2.04	-23.4	27.1
1,533.0	4.50	17.60	1,531.3	42.9	-18.6	0.65	0.65	0.86	-23.4	23.7
1,724.0	5.30	10.70	1,721.7	58.7	-14.7	0.52	0.42	-3.61	-27.1	13.2
1,914.0	6.40	357.70	1,910.7	77.9	-13.5	0.90	0.58	-6.84	-32.2	1.8
2,009.0	6.10	356.80	2,005.1	88.2	-14.0	0.33	-0.32	-0.95	-34.4	-0.2
2,104.0	5.50	357.70	2,099.6	97.8	-14.5	0.64	-0.63	0.95	-35.9	-1.1
2,199.0	5.20	0.60	2,194.2	106.7	-14.6	0.43	-0.32	3.05	-36.7	-1.0
2,294.0	5.40	351.70	2,288.8	115.4	-15.2	0.89	0.21	-9.37	-36.5	-8.0
2,390.0	6.20	339.00	2,384.3	124.7	-17.7	1.57	0.83	-13.23	-35.2	-15.6
2,485.0	5.90	335.30	2,478.8	133.9	-21.6	0.52	-0.32	-3.89	-36.1	-16.4
2,580.0	5.70	332.10	2,573.3	142.5	-25.9	0.40	-0.21	-3.37	-36.7	-16.5
2,675.0	5.10	327.10	2,667.9	150.3	-30.4	0.80	-0.63	-5.26	-36.3	-17.2
2,771.0	4.80	320.30	2,763.5	156.9	-35.2	0.69	-0.31	-7.08	-34.8	-18.1
2,865.0	4.10	325.90	2,857.2	162.7	-39.6	0.88	-0.74	5.96	-36.0	-11.3
2,960.0	3.40	339.00	2,952.0	168.2	-42.6	1.16	-0.74	13.79	-35.5	-0.9



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #594H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3240.0usft
Site:	Quail 2 State	MD Reference:	KB = 25' @ 3240.0usft
Well:	#594H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
3,055.0	3.00	338.70	3,046.9	173.1	-44.5	0.42	-0.42	-0.32	-32.6	0.1
3,244.0	1.10	16.10	3,235.8	179.5	-45.8	1.18	-1.01	19.79	-17.2	14.9
3,338.0	1.90	33.50	3,329.7	181.6	-44.7	0.97	0.85	18.51	-8.7	13.7
3,433.0	2.50	39.00	3,424.7	184.6	-42.5	0.67	0.63	5.79	-5.9	8.1
3,622.0	2.80	84.30	3,613.5	188.2	-35.3	1.09	0.16	23.97	-7.9	-3.6
3,685.0	2.60	89.70	3,686.4	188.4	-31.9	0.44	-0.27	7.40	-13.0	-8.8
3,706.0	2.59	89.53	3,697.4	188.4	-31.4	0.11	-0.09	-1.55	-13.7	-9.8
3,789.0	2.50	88.20	3,780.3	188.5	-27.7	0.13	-0.11	-1.60	-18.6	-17.3
3,883.0	2.60	61.60	3,874.2	189.6	-23.8	1.25	0.11	-28.30	-10.6	-32.6
3,978.0	4.00	39.20	3,969.1	193.2	-19.8	1.98	1.47	-23.58	2.5	-41.5
4,072.0	4.60	4.30	4,062.8	199.5	-17.4	2.81	0.84	-37.13	27.1	-37.0
4,167.0	6.60	348.40	4,157.4	208.6	-18.2	2.65	2.11	-16.74	35.3	-29.4
4,262.0	6.60	336.40	4,251.7	219.0	-21.5	1.45	0.00	-12.63	37.1	-21.2
4,356.0	2.40	306.10	4,345.4	225.1	-25.3	4.99	-4.47	-32.23	39.4	0.6
4,451.0	0.90	201.30	4,440.4	225.6	-27.1	2.92	-1.58	-110.32	-11.9	36.7
4,546.0	0.90	205.30	4,535.4	224.2	-27.7	0.07	0.00	4.21	-10.8	37.5
4,640.0	0.80	214.30	4,629.4	223.0	-28.4	0.18	-0.11	9.57	-6.2	38.8
4,734.0	0.80	296.10	4,723.4	222.7	-29.4	1.11	0.00	87.02	36.8	12.3
4,828.0	1.70	330.90	4,817.3	224.2	-30.6	1.21	0.96	37.02	35.3	-10.5
4,923.0	1.50	324.90	4,912.3	226.5	-32.0	0.27	-0.21	-6.32	33.6	-6.9
5,018.0	1.50	324.10	5,007.3	228.5	-33.5	0.02	0.00	-0.84	31.2	-6.4
5,113.0	1.40	325.20	5,102.2	230.5	-34.9	0.11	-0.11	1.16	28.7	-7.0
5,207.0	1.50	323.90	5,196.2	232.4	-36.3	0.11	0.11	-1.38	26.4	-6.4
5,302.0	1.40	322.00	5,291.2	234.3	-37.7	0.12	-0.11	-2.00	24.2	-5.6
5,397.0	1.60	317.00	5,386.2	236.2	-39.3	0.25	0.21	-5.26	22.1	-3.5
5,491.0	1.40	312.50	5,480.1	237.9	-41.1	0.25	-0.21	-4.79	19.9	-1.9
5,586.0	1.30	310.50	5,575.1	239.4	-42.7	0.12	-0.11	-2.11	17.7	-1.2



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #594H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3240.0usft
Site:	Quail 2 State	MD Reference:	KB = 25' @ 3240.0usft
Well:	#594H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
5,681.0	1.20	303.30	5,670.1	240.7	-44.4	0.20	-0.11	-7.58	15.7	0.9
5,775.0	1.20	303.50	5,764.1	241.8	-46.0	0.00	0.00	0.21	13.7	0.8
5,870.0	0.60	304.00	5,859.0	242.6	-47.3	0.63	-0.63	0.53	12.2	0.7
5,964.0	0.40	355.40	5,953.0	243.2	-47.7	0.50	-0.21	54.68	7.5	-8.7
6,058.0	0.30	31.80	6,047.0	243.7	-47.6	0.25	-0.11	38.72	0.4	-11.3
6,152.0	0.30	128.00	6,141.0	243.8	-47.3	0.48	0.00	102.34	-11.5	1.1
6,247.0	0.30	134.30	6,236.0	243.4	-46.9	0.03	0.00	6.63	-11.8	2.4
6,341.0	0.50	153.80	6,330.0	242.9	-46.6	0.25	0.21	20.74	-11.0	6.2
6,435.0	0.90	144.30	6,424.0	241.9	-45.9	0.44	0.43	-10.11	-13.0	4.3
6,530.0	0.90	158.30	6,519.0	240.6	-45.2	0.23	0.00	14.74	-13.0	7.5
6,719.0	0.70	179.90	6,708.0	238.1	-44.7	0.19	-0.11	11.43	-11.9	12.3
6,814.0	0.50	175.60	6,803.0	237.1	-44.6	0.22	-0.21	-4.53	-13.8	11.3
6,908.0	0.70	176.90	6,897.0	236.1	-44.6	0.21	0.21	1.38	-14.5	11.7
7,003.0	0.90	188.20	6,992.0	234.8	-44.7	0.27	0.21	11.89	-13.3	14.4
7,097.0	1.00	191.80	7,086.0	233.3	-44.9	0.12	0.11	3.83	-13.9	15.2
7,192.0	1.10	187.90	7,180.9	231.6	-45.2	0.13	0.11	-4.11	-16.6	14.2
7,286.0	1.20	195.50	7,274.9	229.7	-45.6	0.19	0.11	8.09	-16.5	16.4
7,382.0	1.20	193.70	7,370.9	227.8	-46.1	0.04	0.00	-1.87	-19.0	15.8
7,477.0	1.30	181.60	7,465.9	225.7	-46.4	0.30	0.11	-12.74	-24.0	11.3
7,572.0	1.40	181.60	7,560.9	223.5	-46.4	0.11	0.11	0.00	-26.2	11.3
7,666.0	1.50	191.70	7,654.8	221.1	-46.7	0.29	0.11	10.74	-26.2	15.9
7,761.0	1.20	192.20	7,749.8	219.0	-47.2	0.32	-0.32	0.53	-28.3	16.2
7,856.0	1.20	244.60	7,844.8	217.6	-48.3	1.12	0.00	55.16	-6.1	33.0
7,951.0	1.30	261.00	7,939.8	217.0	-50.3	0.39	0.11	17.26	1.5	33.7
8,045.0	1.30	321.60	8,033.7	217.6	-52.0	1.40	0.00	64.47	28.5	16.2
8,140.0	0.60	355.60	8,128.7	219.0	-52.7	0.92	-0.74	35.79	31.3	-1.9
8,234.0	1.10	346.20	8,222.7	220.3	-52.9	0.55	0.53	-10.00	29.8	3.1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #594H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3240.0usft
Site:	Quail 2 State	MD Reference:	KB = 25' @ 3240.0usft
Well:	#594H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
8,328.0	0.70	31.20	8,316.7	221.7	-52.9	0.83	-0.43	47.87	22.1	-18.2
8,423.0	0.60	69.50	8,411.7	222.4	-52.1	0.46	-0.11	40.32	5.1	-27.6
8,518.0	1.10	313.30	8,506.7	223.2	-52.3	1.54	0.53	-122.32	21.8	16.3
8,612.0	2.20	322.90	8,600.7	225.2	-54.0	1.20	1.17	10.21	21.5	12.6
8,706.0	2.40	320.60	8,694.6	228.2	-56.4	0.23	0.21	-2.45	17.2	13.4
8,800.0	1.80	309.20	8,788.5	230.6	-58.8	0.77	-0.64	-12.13	10.9	16.1
8,894.0	0.80	281.10	8,882.5	231.7	-60.6	1.23	-1.06	-29.89	0.0	18.6
8,989.0	1.80	328.60	8,977.5	233.1	-62.0	1.46	1.05	50.00	11.8	13.1
9,084.0	1.70	324.50	9,072.4	235.5	-63.6	0.17	-0.11	-4.32	8.0	13.8
9,178.0	2.20	310.00	9,166.4	237.8	-65.8	0.74	0.53	-15.43	1.1	15.0
9,273.0	2.80	299.30	9,261.3	240.1	-69.2	0.80	0.63	-11.28	-5.8	14.6
9,368.0	2.90	303.30	9,356.2	242.6	-73.2	0.23	0.11	4.21	-9.5	15.1
9,462.0	2.80	317.50	9,450.0	245.6	-76.8	0.76	-0.11	15.11	-10.1	17.6
9,557.0	1.80	326.60	9,545.0	248.5	-79.1	1.12	-1.05	9.58	-11.0	19.3
9,652.0	1.80	327.20	9,639.9	250.9	-80.7	0.21	-0.21	0.63	-13.6	19.4
9,715.0	1.80	325.40	9,702.9	252.5	-81.7	0.33	0.32	-2.86	-16.1	19.0
9,785.0	0.90	276.80	9,772.9	253.4	-82.9	1.97	-1.29	-69.43	-26.1	-0.3
9,787.0	0.85	261.13	9,774.9	253.4	-82.9	12.18	-2.50	-783.50	-25.1	-7.4
9,832.0	5.50	177.10	9,819.8	251.2	-83.1	12.17	10.33	-186.73	3.5	-26.0
9,879.0	11.20	176.60	9,866.3	244.4	-82.8	12.13	12.13	-1.06	1.5	-25.8
9,926.0	14.80	174.40	9,912.1	233.9	-81.9	7.73	7.66	-4.68	0.2	-25.1
9,973.0	20.10	176.20	9,956.9	219.8	-80.8	11.33	11.28	3.83	-2.5	-24.2
10,020.0	22.00	184.50	10,000.8	203.0	-80.9	7.51	4.04	17.66	-6.8	-23.8
10,067.0	22.80	184.60	10,044.2	185.1	-82.4	1.70	1.70	0.21	-5.1	-25.5
10,114.0	28.50	183.80	10,086.6	164.9	-83.8	12.15	12.13	-1.70	-1.8	-27.4
10,162.0	33.60	178.40	10,127.7	140.1	-84.2	12.10	10.62	-11.25	2.9	-27.9
10,209.0	36.90	170.70	10,166.1	113.2	-81.6	11.77	7.02	-16.38	8.6	-24.6



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #594H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3240.0usft
Site:	Quail 2 State	MD Reference:	KB = 25' @ 3240.0usft
Well:	#594H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,256.0	43.60	168.80	10,201.9	83.3	-76.1	14.49	14.26	-4.04	11.0	-18.9
10,303.0	51.10	168.30	10,233.8	49.5	-69.3	15.98	15.96	-1.06	10.9	-12.3
10,350.0	57.40	168.40	10,261.2	12.1	-61.6	13.41	13.40	0.21	8.9	-5.2
10,397.0	61.60	172.40	10,285.1	-27.8	-54.9	11.56	8.94	8.51	6.5	0.7
10,444.0	66.00	177.00	10,305.8	-69.7	-51.0	12.83	9.36	9.79	4.8	3.9
10,491.0	69.10	182.10	10,323.8	-113.2	-50.7	12.00	6.60	10.85	4.0	3.8
10,538.0	73.10	182.10	10,339.0	-157.6	-52.3	8.51	8.51	0.00	3.9	1.9
10,585.0	76.70	180.30	10,351.2	-202.9	-53.3	8.51	7.66	-3.83	4.5	0.7
10,632.0	80.00	180.50	10,360.7	-249.0	-53.6	7.03	7.02	0.43	6.1	0.0
10,677.0	82.40	181.00	10,367.6	-293.4	-54.2	5.45	5.33	1.11	9.0	-0.9
10,727.0	85.60	180.50	10,372.8	-343.1	-54.8	6.48	6.40	-1.00	13.6	-1.8
10,805.0	87.09	179.84	10,377.8	-421.0	-55.0	2.09	1.91	-0.85	19.2	-2.6
10,821.0	87.40	179.70	10,378.6	-437.0	-55.0	2.13	1.94	-0.87	20.1	-2.6
10,916.0	89.20	179.30	10,381.4	-531.9	-54.1	1.94	1.89	-0.42	23.6	-2.4
11,010.0	90.80	178.20	10,381.4	-625.9	-52.1	2.07	1.70	-1.17	24.3	-1.0
11,105.0	91.00	177.20	10,379.9	-720.8	-48.3	1.07	0.21	-1.05	23.5	2.1
11,199.0	90.90	176.70	10,378.3	-814.7	-43.3	0.54	-0.11	-0.53	22.7	6.5
11,294.0	90.20	178.10	10,377.4	-909.6	-39.0	1.65	-0.74	1.47	22.5	10.2
11,389.0	90.30	178.70	10,377.0	-1,004.5	-36.3	0.64	0.11	0.63	22.8	12.2
11,484.0	91.30	179.10	10,375.7	-1,099.5	-34.5	1.13	1.05	0.42	22.1	13.4
11,579.0	92.80	179.20	10,372.3	-1,194.4	-33.1	1.58	1.58	0.11	19.4	14.1
11,672.0	92.70	179.60	10,367.8	-1,287.3	-32.1	0.44	-0.11	0.43	15.7	14.5
11,767.0	91.10	180.50	10,364.7	-1,382.2	-32.2	1.93	-1.68	0.95	13.2	13.7
11,861.0	90.50	180.30	10,363.4	-1,476.2	-32.9	0.67	-0.64	-0.21	12.6	12.4
11,956.0	91.20	180.50	10,362.0	-1,571.2	-33.5	0.77	0.74	0.21	11.9	11.1
12,050.0	90.10	179.50	10,360.9	-1,665.2	-33.5	1.58	-1.17	-1.06	11.6	10.5
12,144.0	89.00	178.80	10,361.6	-1,759.2	-32.1	1.39	-1.17	-0.74	13.0	11.3



Midland PVA

Company: EOG Resources - Midland		Local Co-ordinate Reference:				Well #594H	
Project: Eddy County, NM (NAD 83 NME)		TVD Reference:				KB = 25' @ 3240.0usft	
Site: Quail 2 State		MD Reference:				KB = 25' @ 3240.0usft	
Well: #594H		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)	
12,239.0	89.50	178.00	10,362.9	-1,854.1	-29.5	0.99	0.53	-0.84	15.0	13.3	
12,334.0	91.30	178.20	10,362.2	-1,949.1	-26.3	1.91	1.89	0.21	15.0	15.8	
12,428.0	91.50	177.80	10,359.9	-2,043.0	-23.0	0.48	0.21	-0.43	13.4	18.4	
12,523.0	91.10	179.20	10,357.8	-2,137.9	-20.6	1.53	-0.42	1.47	12.0	20.3	
12,617.0	88.60	181.60	10,358.0	-2,231.9	-21.2	3.69	-2.66	2.55	13.0	19.0	
12,711.0	88.80	181.70	10,360.1	-2,325.9	-23.9	0.24	0.21	0.11	16.0	15.6	
12,806.0	88.40	180.30	10,362.5	-2,420.8	-25.6	1.53	-0.42	-1.47	19.3	13.3	
12,901.0	89.60	180.10	10,364.1	-2,515.8	-25.9	1.28	1.26	-0.21	22.0	12.3	
12,996.0	90.10	180.30	10,364.4	-2,610.8	-26.2	0.57	0.53	0.21	23.2	11.4	
13,090.0	91.60	181.20	10,363.0	-2,704.8	-27.5	1.86	1.60	0.96	22.8	9.5	
13,185.0	89.70	180.20	10,361.9	-2,799.8	-28.6	2.26	-2.00	-1.05	22.7	7.7	
13,279.0	91.40	182.50	10,361.0	-2,893.7	-30.8	3.04	1.81	2.45	22.8	4.9	
13,374.0	88.90	179.50	10,360.7	-2,988.7	-32.5	4.11	-2.63	-3.16	23.5	2.5	
13,468.0	89.30	179.10	10,363.0	-3,082.6	-31.4	0.77	-0.64	-0.43	26.8	3.1	
13,562.0	90.90	179.80	10,363.7	-3,176.6	-30.4	2.86	2.77	0.74	28.4	3.3	
13,656.0	91.30	180.00	10,361.9	-3,270.6	-30.3	0.48	0.43	0.21	27.6	2.9	
13,751.0	91.20	179.10	10,359.8	-3,365.6	-29.5	0.95	-0.11	-0.95	26.6	2.9	
13,845.0	90.90	177.70	10,358.1	-3,459.5	-26.9	1.52	-0.32	-1.49	25.9	4.9	
13,939.0	91.40	178.10	10,356.2	-3,553.5	-23.5	0.68	0.53	0.43	25.1	7.7	
14,034.0	90.90	177.90	10,354.3	-3,648.4	-20.2	0.57	-0.53	-0.21	24.2	10.4	
14,129.0	90.60	177.50	10,353.1	-3,743.3	-16.3	0.53	-0.32	-0.42	24.0	13.6	
14,223.0	91.10	179.70	10,351.7	-3,837.2	-14.0	2.40	0.53	2.34	23.6	15.2	
14,317.0	93.30	180.70	10,348.1	-3,931.2	-14.4	2.57	2.34	1.06	21.0	14.3	
14,412.0	94.50	181.30	10,341.6	-4,025.9	-16.0	1.41	1.26	0.63	15.6	12.0	
14,506.0	92.30	181.40	10,336.0	-4,119.7	-18.2	2.34	-2.34	0.11	11.1	9.1	
14,601.0	92.00	180.40	10,332.5	-4,214.7	-19.7	1.10	-0.32	-1.05	8.5	7.0	
14,695.0	92.00	179.30	10,329.2	-4,308.6	-19.5	1.17	0.00	-1.17	6.1	6.6	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #594H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3240.0usft
Site:	Quail 2 State	MD Reference:	KB = 25' @ 3240.0usft
Well:	#594H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Buid. (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,790.0	88.30	178.00	10,328.9	-4,403.6	-17.2	4.13	-3.89	-1.37	6.8	8.2
14,885.0	88.90	177.70	10,331.2	-4,498.5	-13.7	0.71	0.63	-0.32	10.1	11.1
14,979.0	89.90	178.60	10,332.2	-4,592.4	-10.6	1.43	1.06	0.96	12.0	13.5
15,073.0	91.00	179.10	10,331.5	-4,686.4	-8.8	1.29	1.17	0.53	12.2	14.8
15,168.0	91.80	179.40	10,329.2	-4,781.3	-7.5	0.90	0.84	0.32	10.9	15.4
15,242.0	92.20	179.30	10,326.6	-4,855.3	-6.7	0.56	0.54	-0.14	9.0	15.7
15,288.0	92.20	179.30	10,324.8	-4,901.2	-6.1	0.00	0.00	0.00	7.7	16.0

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
9,787.0	9,774.9	253.4	-82.9	KOP, MD:9787.0', TVD:9774.9', N/S:253.4', E/W:-82.9', INC:0.85
10,028.0	10,008.2	200.0	-81.2	FTP Crossing, MD:10028.0', TVD:10008.2', N/S:200.0', E/W:-81.2', INC:22.14
15,242.0	10,326.6	-4,855.3	-6.7	Last MWD Survey (MD=15242.0')
15,288.0	10,324.8	-4,901.2	-6.1	Projection to Bit (MD=15288.0')

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

Quail 2 State #594H

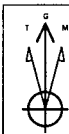
Plan #2

PROJECT DETAILS: Eddy 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

WELL DETAILS: #594H

KB = 25' @ 3240.0ust
Northing 392582.00 Easting 689374.00 32° 4' 42.190 N 103° 51' 19.344 W



Azimuths to Grid North
True North: 0.25°
Magnetic North: 6.63°
Magnetic Field
Strength: 47647.5nT
Dip Angle: 59.86°
Date: 3/5/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.64°
To convert a Magnetic Direction to a True Direction, Add 6.89° East
To convert a True Direction to a Grid Direction, Subtract 0.25°

SECTION DETAILS

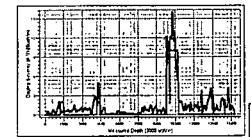
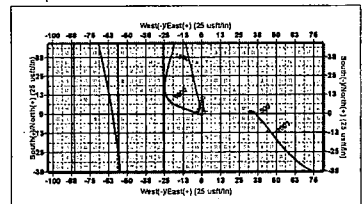
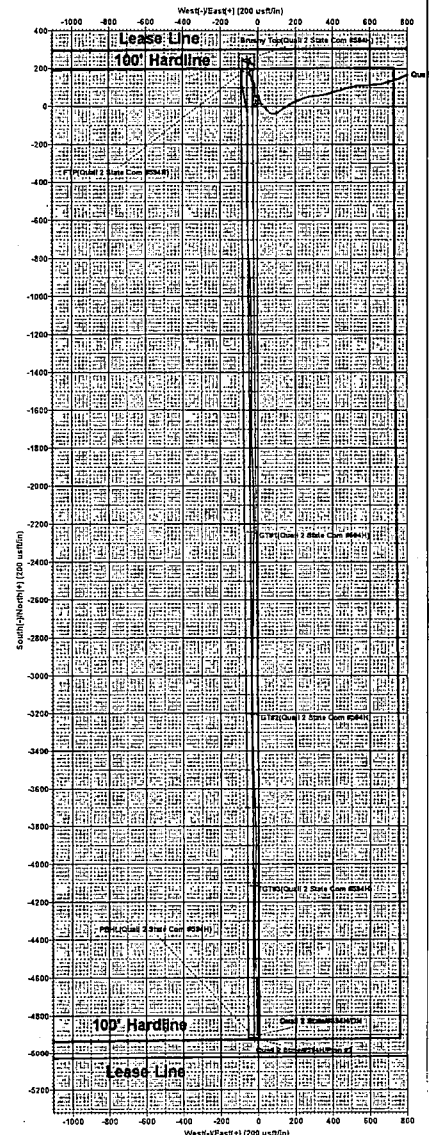
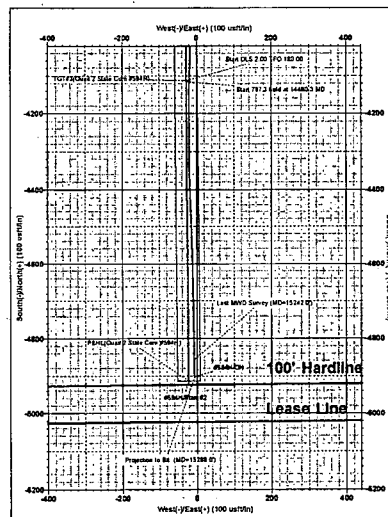
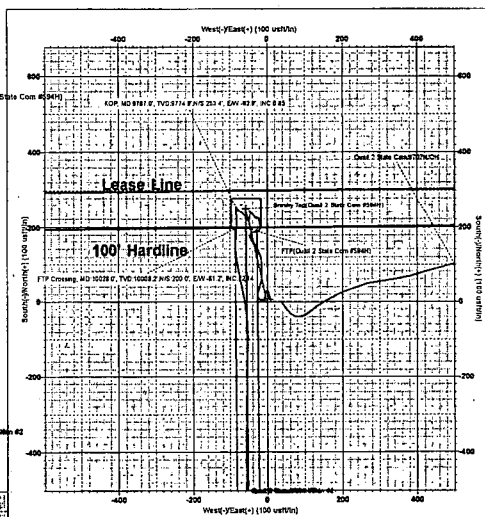
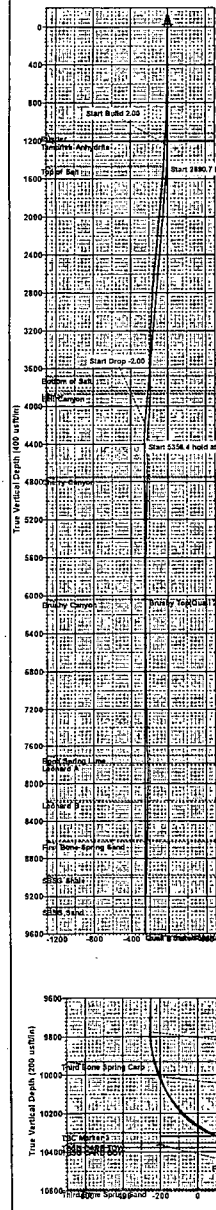
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1	1250.0	0.00	0.00	1250.0	0.0	0.0	0.00	0.00	0.0	
2	1500.1	5.00	347.16	1499.8	10.6	-2.4	2.00	347.16	-10.6	
3	4190.8	5.00	347.16	4180.2	239.4	-54.6	0.00	0.00	-239.1	
4	4440.9	0.00	0.00	4430.0	250.0	-57.0	2.00	180.00	-249.7	
5	9797.3	0.00	0.00	9786.4	250.0	-57.0	0.00	0.00	-249.7	
6	10701.6	90.43	179.61	10359.3	-327.2	-53.1	10.00	179.61	327.5	
7	12615.2	90.43	179.61	10345.0	-2240.8	-40.1	0.00	0.00	2241.0	TGT#1(Quail 2 State Com #594H)
8	12623.6	90.60	179.61	10344.9	-2249.1	-40.1	2.00	0.00	2249.3	
9	13577.4	90.60	179.61	10335.0	-3202.9	-33.6	0.00	0.00	3203.0	TGT#2(Quail 2 State Com #594H)
10	13579.1	90.63	179.61	10335.0	-3204.6	-33.6	2.00	0.00	3204.7	
11	14487.5	90.63	179.61	10325.0	-4112.9	-27.4	0.00	0.00	4113.0	TGT#3(Quail 2 State Com #594H)
12	14480.3	90.57	179.61	10325.0	-4115.7	-27.4	2.00	180.00	4115.8	
13	15287.6	90.57	179.61	10317.0	-4913.0	-22.0	0.00	0.00	4913.0	PBHL(Quail 2 State Com #594H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
TGT#1(Quail 2 State Com #594H)	10345.0	-2240.8	-40.1	390341.20	689333.89
TGT#2(Quail 2 State Com #594H)	10335.0	-3202.9	-33.6	389379.10	689340.41
TGT#3(Quail 2 State Com #594H)	10325.0	-4112.9	-27.4	389463.10	689346.28
PBHL(Quail 2 State Com #594H)	10317.0	-4913.0	-22.0	387689.00	689352.00
Brushy Top(Quail 2 State Com #594H)	6040.0	250.0	-57.0	392532.00	689317.00
FTP(Quail 2 State Com #594H)	10362.0	200.0	-57.0	392782.00	689317.00



Print Date: 10/25/2019
Print Time: 10:25:19 AM
User: jmc
Title: Plan #2

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
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

015 Form C-103
Revised July 18, 2013

WELL API NO. <u>38-025-48788</u>
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name QUAIL 2 STATE
8. Well Number 594H
9. OGRID Number 7377
10. Pool name or Wildcat WILDCAT G-015 S2630010; BONE SPRING

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	
2. Name of Operator EOG RESOURCES INC	
3. Address of Operator PO BOX 2267 MIDLAND, TX 79702	
4. Well Location Unit Letter <u>C</u> : <u>300'</u> feet from the <u>NORTH</u> line and <u>1596'</u> feet from the <u>WEST</u> line Section <u>2</u> Township <u>26S</u> Range <u>30E</u> NMPM County <u>LEA</u> <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3217' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: <u>Completion</u> ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

05/28/2019 Rig released
05/30/2019 MIRU prep to frac -Test void to 5000 psi, seals & flanges to 8500 psi
09/11/2019 Begin perf & frac
09/15/2019 Finish 17 stages perf & frac, 10,625 - 15,288' 1344 3 1/8" shots 11,545,474 lbs
proppant + 207,052 bbls load fluid
09/16/2019 Drilled out plugs and clean out wellbore
09/17/2019 Opened well to flowback

Date of First Production ? When?

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 16 2019

Revise County & API#

RECEIVED

Spud Date: 05/14/2019 ✓

Rig Release Date: 05/28/2019 ✓

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kay Maddox TITLE Regulatory Analyst DATE 10/15/2019
Type or print name Kay Maddox E-mail address: kay_maddox@eogresources.com PHONE: 432-686-3658
For State Use Only

APPROVED BY: "Denied" TITLE _____
Conditions of Approval (if any):

"Denied"

NM OIL CONSERVATION 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 ARTESIA DISTRICT RECEIVED Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 State of New Mexico Energy, Minerals and Natural Resources							Form C-105 Revised August 1, 2011			
1. WELL API NO. 30-015-45788										
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 QUAIL 2 STATE										
6. Well Number: 594H										
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 WILDCAT G-015 S2630010; BONE SPRING										
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	C	02	26S	30E		300'	NORTH	1596'	WEST	EDDY
BH:	N	02	26S	30E		121'	SOUTH	1556'	WEST	EDDY
13. Date Spudded 05/14/2019	14. Date T.D. Reached 05/25/2019	15. Date Rig Released 05/28/2019		16. Date Completed (Ready to Produce) 09/17/2019		17. Elevations (DF and RKB, RT, GR, etc.) 3217' GR				
18. Total Measured Depth of Well MD 15,288'		19. Plug Back Measured Depth MD 15,288' TVD 10,324'		20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run None				
22. Producing Interval(s), of this completion - Top, Bottom, Name BONE SPRING 10,625 - 15,288'										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE	WEIGHT LB./FT.		DEPTH SET		HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED		
13 3/8"	54.5# J-55		1,220'		17 1/2"	1160 SXS CL C/CIRC				
9 5/8"	40# J-55		3,706'		12 1/4"	1275 SXS CL C/SURF				
5 1/2"	20# ICYP -110		15,238'		8 3/4"	1720 SXS CL H/TOC		@ 2590' 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) 10,625 - 15,288' 3 1/8" 1344 holes					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 10,625-15,288' Frac w/11,545,474 lbs proppant; 207,052 bbls load fld					
28. PRODUCTION										
Date First Production 09/17/2019		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING				
Date of Test 09/24/2019	Hours Tested 24	Choke Size 84	Prod'n For Test Period	Oil - Bbl 2001	Gas - MCF 6437	Water - Bbl. 5613	Gas - Oil Ratio 3216			
Flow Tubing Press.	Casing Pressure 765	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 43				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD							30. Test Witnessed By			
31. List Attachments C-102, C-103, C-104, Directional Survey, As-Completed plat										
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 Regulatory Analyst			Date 10/15/2019		
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	1,123'	T. Canyon	BRUSHY	6,040'	T. Ojo Alamo	T. Penn A"
T. Salt		1,466'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		3,673'	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 BONE SPRING SAND	8,619'		T. Entrada	
T. Wolfcamp			T. 2ND BONE SPRING SAND	9,314'		T. Wingate	
T. Penn			T. 3RD BONE SPRING SAND	10,592'		T. Chinle	
T. Cisco (Bough C)			T.			T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, 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