

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

Oil Conservation Division
1220 South St. Francis Dr.

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE MINERAL AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702		² OGRID Number 7377	
		³ Reason for Filing Code/ Effective Date NW 09/07/2021	
⁴ API Number 30 - 015-47120	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)		⁶ Pool Code 98220
⁷ Property Code 325165	⁸ Property Name QUAIL 2 STATE COM		⁹ Well Number 721H

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
B	02	26S	30E		320	NORTH	1749	EAST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	02	26S	30E		337	SOUTH	1162	EAST	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 SERVICES	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

²¹ Spud Date 11/16/2020	²² Ready Date 09/07/2021	²³ TD 16,222	²⁴ PBTD 16,145	²⁵ Perforations 11,790 -16,145	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12 1/4"	9 5/8"	1168'	545 SXS CL C/CIRC		
8 3/4"	7 5/8"	10,595'	1347 SXS CL C & H/CIRC		
6 3/4"	5 1/2"	16,206'	600 SXS CL H TOC 5650' CBL		

V. Well Test Data

³¹ Date New Oil 09/07/2021	³² Gas Delivery Date 09/07/2021	³³ Test Date 09/10/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1661
³⁷ Choke Size	³⁸ Oil 2117	³⁹ Water 4176	⁴⁰ Gas 10,696		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 Maddox Title: SENIOR REGULATORY SPECIALIST E-mail Address: kay_maddox@eogresources.com Date: 09/14/2021	Phone: 432-638-8475	OIL CONSERVATION DIVISION	
	Approved by: <i>PATRICIA MARTINEZ</i>		
	Title: <i>PETROLEUM SPECIALIST</i>		
	Approval Date: <i>3/2/2022</i>		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-47120		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	
⁴ Property Code 325165		⁵ Property Name QUAIL 2 STATE COM			⁶ Well Number 721H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3228'

¹⁰Surface Location

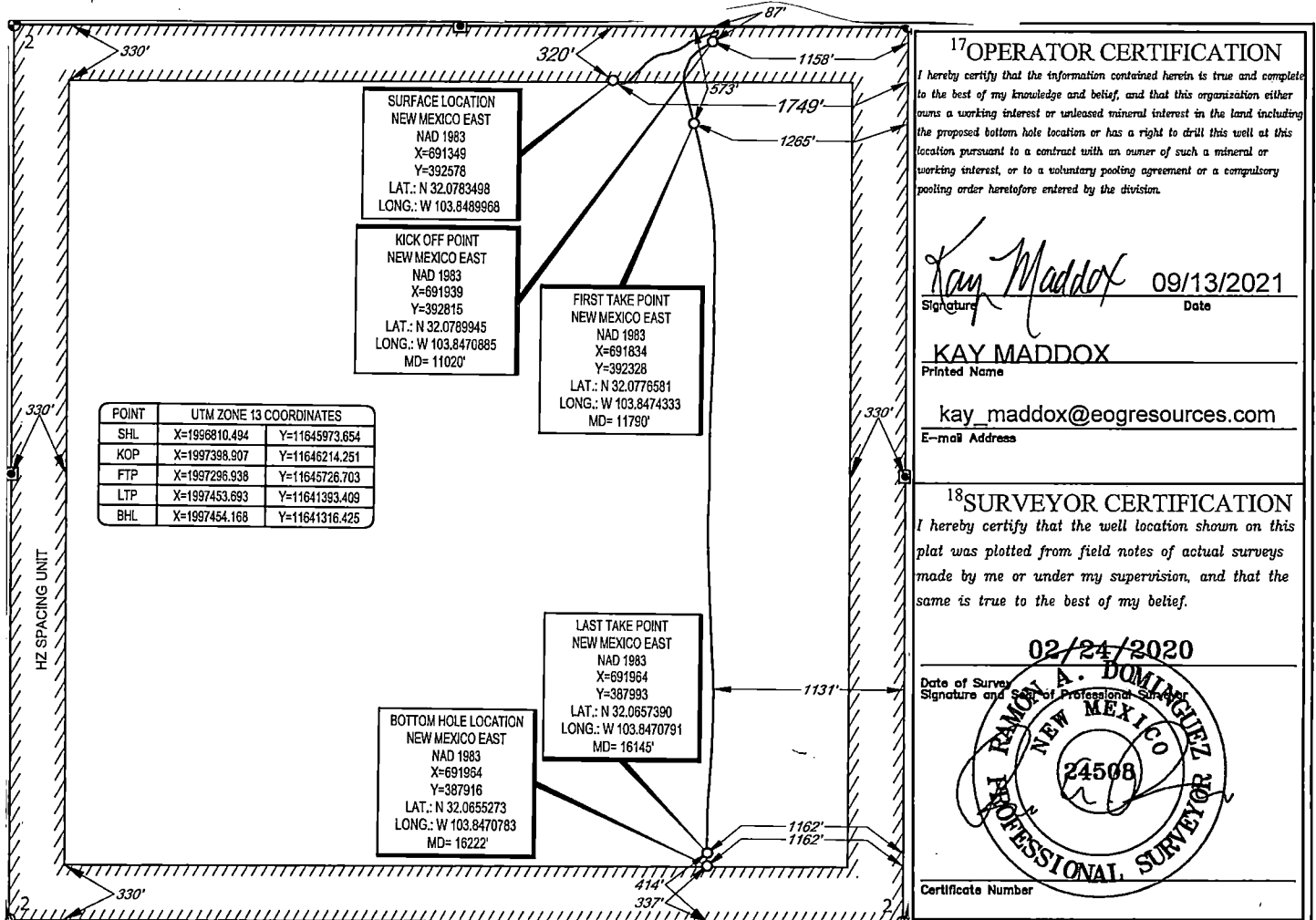
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	2	26-S	30-E	-	320'	NORTH	1749'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

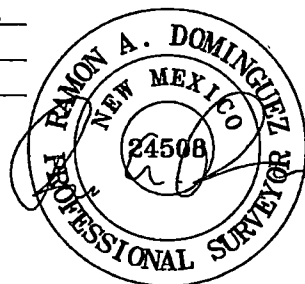
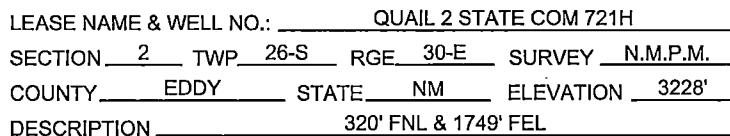
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	2	26-S	30-E	-	337'	SOUTH	1162'	EAST	EDDY

¹² Dedicated Acres 640.00	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.



S:\SURVEY\EOG_MIDLAND\QUAIL 2 STATE COM\FINAL_PRODUCTS\ILO_QUAIL_2_STATE_721H_REV1.DWG 4/9/2020 7:09:54 AM rdominguez



Ramon A. Dominguez, PS No. 24508
June 22, 2021



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

QUAIL 2 STATE COM 721H AS-COMLETE	REVISION:		NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM 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.
DATE: 06/22/2021			
FILE:AD_QUAIL_2_STATE_COM_721H			
DRAWN BY: IMU			
SHEET: 1 OF 1			



EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Quail 2 State Com

#721H

OH

Design: OH

Midland PVA

07 December, 2020



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3250.0usft
Site:	Quail 2 State Com	MD Reference:	KB = 22' @ 3250.0usft
Well:	#721H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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 Com		
Site Position:		Northing:	392,709.00 usft
From:	Map	Easting:	692,792.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 43.295 N
		Longitude:	103° 50' 39.610 W
		Grid Convergence:	0.26 °

Well		#721H				
Well Position	+N/-S	0.0 usft	Northing:	392,578.00 usft	Latitude:	32° 4' 42.063 N
	+E/-W	0.0 usft	Easting:	691,349.00 usft	Longitude:	103° 50' 56.389 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,228.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	12/11/2020	6.72	59.74	47,433.28606274

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	172.34

Survey Program	Date	12/7/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
128.0	16,222.0	Driltech (OH)	EOG MWD+IFR1	MWD + IFR1



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Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3250.0usft
Site:	Quail 2 State Com	MD Reference:	KB = 22' @ 3250.0usft
Well:	#721H	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
128.0	1.58	171.94	128.0	-1.7	0.2	1.23	1.23	0.00	-1.8	0.0
312.0	1.94	289.89	311.9	-3.2	-2.3	1.64	0.20	64.10	-1.1	3.8
501.0	2.64	293.75	500.8	-0.4	-9.3	0.38	0.37	2.04	-8.4	4.1
597.0	2.11	313.00	596.7	1.7	-12.6	0.99	-0.55	20.05	-10.4	7.3
753.0	1.58	139.06	752.7	2.1	-13.3	2.36	-0.34	-111.50	10.3	-8.7
882.0	4.57	126.76	881.5	-2.3	-8.0	2.36	2.32	-9.53	5.0	-6.7
977.0	5.28	119.73	976.1	-6.8	-1.2	0.98	0.75	-7.40	-2.3	-6.5
1,121.0	7.04	116.04	1,119.3	-13.9	12.5	1.25	1.22	-2.56	-17.3	-7.1
1,263.0	8.79	109.01	1,259.9	-21.3	30.5	1.41	1.23	-4.95	-35.8	-10.3
1,453.0	11.17	74.73	1,447.2	-21.2	62.1	3.31	1.25	-18.04	-50.3	-37.7
1,643.0	11.43	50.30	1,633.6	-4.3	94.3	2.50	0.14	-12.86	-50.7	-58.3
1,833.0	10.46	42.21	1,820.2	20.5	120.4	0.95	-0.51	-4.26	-52.6	-56.3
2,023.0	11.70	44.76	2,006.6	47.0	145.5	0.70	0.65	1.34	-63.6	-42.6
2,213.0	11.52	42.47	2,192.8	74.6	171.9	0.26	-0.09	-1.21	-72.6	-34.2
2,403.0	8.88	39.05	2,379.7	100.0	194.0	1.42	-1.39	-1.80	-77.2	-26.3
2,594.0	8.53	57.68	2,568.6	119.0	215.2	1.48	-0.18	9.75	-79.9	8.2
2,784.0	7.30	54.34	2,756.8	133.6	237.0	0.69	-0.65	-1.76	-77.0	8.5
2,974.0	7.21	64.97	2,945.2	145.7	257.6	0.71	-0.05	5.59	-67.9	24.8
3,164.0	6.16	61.11	3,134.0	155.7	277.3	0.60	-0.55	-2.03	-61.6	21.7
3,355.0	8.35	88.79	3,323.5	160.9	300.1	2.13	1.15	14.49	-40.0	40.4
3,545.0	10.46	72.09	3,510.9	166.5	330.4	1.80	1.11	-8.79	-50.6	19.9
3,735.0	9.50	76.49	3,698.1	175.5	362.0	0.64	-0.51	2.32	-52.5	19.3
3,926.0	6.16	62.95	3,887.3	183.8	386.5	1.99	-1.75	-7.09	-51.0	4.2
4,116.0	9.50	53.99	4,075.5	197.7	408.2	1.87	1.76	-4.72	-47.4	0.7
4,306.0	8.27	57.59	4,263.2	214.2	432.5	0.71	-0.65	1.89	-46.9	8.7
4,497.0	6.86	49.33	4,452.5	229.0	452.7	0.93	-0.74	-4.32	-43.7	8.3



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3250.0usft
Site:	Quail 2 State Com	MD Reference:	KB = 22' @ 3250.0usft
Well:	#721H	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)
4,687.0	8.09	68.22	4,640.9	241.4	473.7	1.44	0.65	9.94	-32.9	24.1
4,877.0	7.39	66.82	4,829.2	251.2	497.4	0.38	-0.37	-0.74	-29.1	22.2
5,068.0	7.39	67.17	5,018.6	260.8	520.0	0.02	0.00	0.18	-23.4	21.5
5,258.0	6.86	71.13	5,207.2	269.2	542.0	0.38	-0.28	2.08	-15.5	21.0
5,448.0	5.80	65.06	5,396.0	276.9	561.4	0.66	-0.56	-3.19	-8.5	18.2
5,639.0	4.66	64.76	5,586.2	284.3	577.2	0.60	-0.60	-0.16	-0.1	18.4
5,829.0	3.69	70.56	5,775.7	289.6	590.0	0.56	-0.51	3.05	1.3	17.9
6,020.0	3.25	71.53	5,966.4	293.4	600.9	0.23	-0.23	0.51	-7.9	17.8
6,210.0	2.20	74.87	6,156.1	296.0	609.5	0.56	-0.55	1.76	-15.9	18.5
6,400.0	1.49	61.42	6,346.0	298.1	615.2	0.44	-0.37	-7.08	-25.8	13.5
6,591.0	0.79	49.56	6,537.0	300.2	618.4	0.38	-0.37	-6.21	-31.7	7.4
6,781.0	0.35	64.85	6,727.0	301.3	619.9	0.24	-0.23	8.05	-30.5	15.8
6,971.0	0.35	201.08	6,917.0	301.0	620.2	0.34	0.00	71.70	32.8	10.1
7,162.0	0.97	212.68	7,108.0	299.1	619.1	0.33	0.32	6.07	32.0	3.4
7,352.0	1.32	182.01	7,297.9	295.5	618.2	0.36	0.18	-16.14	22.2	18.4
7,542.0	2.11	175.24	7,487.8	289.9	618.4	0.43	0.42	-3.56	14.2	20.7
7,732.0	2.11	183.41	7,677.7	282.9	618.5	0.16	0.00	4.30	10.0	18.9
7,923.0	1.58	213.73	7,868.6	277.2	616.8	0.57	-0.28	15.87	12.6	13.1
8,113.0	0.53	171.72	8,058.6	274.1	615.5	0.65	-0.55	-22.11	-2.2	16.3
8,303.0	1.93	210.31	8,248.5	270.5	614.0	0.82	0.74	20.31	4.6	14.7
8,494.0	1.23	275.70	8,439.5	267.9	610.3	0.95	-0.37	34.24	11.9	4.9
8,684.0	2.64	243.00	8,629.4	266.2	604.4	0.91	0.74	-17.21	1.3	9.5
8,875.0	2.73	236.67	8,820.2	261.7	596.7	0.16	0.05	-3.31	-8.7	9.1
9,065.0	2.11	222.61	9,010.0	256.6	590.6	0.45	-0.33	-7.40	-18.5	5.6
9,256.0	2.37	192.64	9,200.9	250.2	587.3	0.62	0.14	-15.69	-25.8	-6.2
9,446.0	2.73	91.57	9,390.7	246.2	591.0	2.08	0.19	-53.19	7.3	-28.0
9,636.0	3.96	96.31	9,580.4	245.4	602.0	0.66	0.65	2.49	-6.1	-28.1



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3250.0usft
Site:	Quail 2 State Com	MD Reference:	KB = 22' @ 3250.0usft
Well:	#721H	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)
9,826.0	0.79	132.44	9,770.2	243.7	609.5	1.77	-1.67	19.02	-28.2	-15.2
10,017.0	1.06	214.26	9,961.2	241.4	609.5	0.64	0.14	42.84	-21.0	27.0
10,208.0	0.53	278.33	10,152.2	240.1	607.6	0.50	-0.28	33.54	13.4	32.3
10,398.0	1.76	300.83	10,342.2	241.7	604.2	0.68	0.65	11.84	21.1	25.1
10,547.0	0.97	295.21	10,491.1	243.4	601.1	0.54	-0.53	-3.77	15.0	26.8
10,696.0	0.79	264.88	10,640.1	243.8	599.0	0.33	-0.12	-20.36	-2.7	30.0
10,887.0	0.70	238.78	10,831.1	243.1	596.7	0.18	-0.05	-13.66	-18.0	25.2
11,020.0	6.91	227.19	10,963.7	237.3	590.1	4.68	4.67	-8.71	-31.4	21.0
KOP, MD:11020.0', TVD:10963.7',N/S:237.3', E/W:590.1', INC:6.91										
11,077.0	9.58	226.83	11,020.1	231.7	584.1	4.68	4.68	-0.64	-39.4	20.3
11,172.0	28.75	239.31	11,109.5	214.4	558.4	20.52	20.18	13.14	-58.0	17.2
11,267.0	44.32	237.73	11,185.6	184.9	510.4	16.42	16.39	-1.66	-98.9	-14.6
11,362.0	59.27	213.73	11,244.7	132.4	459.0	25.16	15.74	-25.26	-109.0	-107.3
11,458.0	66.13	192.29	11,289.1	54.4	426.4	21.05	7.15	-22.33	-103.2	-165.0
11,521.0	68.59	176.03	11,313.5	-3.3	422.2	24.12	3.90	-25.81	-96.9	-181.7
11,525.2	68.59	175.15	11,315.0	-7.2	422.5	19.48	0.06	-20.93	-96.8	-181.9
FTP Crossing, MD:11525.2', TVD:11315.0',N/S:-7.2', E/W:422.5', INC:68.59										
11,585.0	69.12	162.67	11,336.7	-61.8	433.3	19.48	0.88	-20.87	-93.6	-177.0
11,648.0	68.32	163.90	11,359.5	-118.0	450.1	2.22	-1.27	1.95	-92.8	-159.1
11,743.0	68.32	166.27	11,394.6	-203.3	472.9	2.32	0.00	2.49	-68.8	-135.4
11,771.0	71.31	164.86	11,404.3	-228.8	479.4	11.68	10.68	-5.04	-61.0	-127.4
11,870.0	87.67	162.93	11,422.3	-322.0	506.4	16.64	16.53	-1.95	-52.7	-95.5
11,934.0	88.64	169.00	11,424.4	-384.0	521.9	9.60	1.52	9.48	-49.7	-80.6
12,029.0	84.94	167.59	11,429.7	-476.8	541.1	4.17	-3.89	-1.48	-43.2	-62.3
12,124.0	86.00	167.24	11,437.2	-569.3	561.7	1.17	1.12	-0.37	-35.3	-42.0
12,219.0	84.59	166.89	11,445.0	-661.5	582.9	1.53	-1.48	-0.37	-26.9	-21.3
12,315.0	88.55	172.95	11,450.7	-755.8	599.7	7.53	4.12	6.31	-20.4	-5.1



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3250.0usft
Site:	Quail 2 State Com	MD Reference:	KB = 22' @ 3250.0usft
Well:	#721H	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)
12,410.0	88.20	174.44	11,453.4	-850.2	610.1	1.61	-0.37	1.57	-17.1	4.7
12,505.0	92.95	178.31	11,452.5	-945.0	616.1	6.45	5.00	4.07	-17.4	10.2
12,600.0	91.28	179.63	11,449.0	-1,039.9	617.8	2.24	-1.76	1.39	-20.2	11.4
12,695.0	91.36	180.25	11,446.8	-1,134.9	617.9	0.66	0.08	0.65	-21.7	10.9
12,791.0	92.24	180.51	11,443.8	-1,230.8	617.3	0.96	0.92	0.27	-24.1	9.7
12,886.0	91.45	180.07	11,440.7	-1,325.8	616.8	0.95	-0.83	-0.46	-26.5	8.7
12,981.0	86.88	178.31	11,442.1	-1,420.7	618.1	5.15	-4.81	-1.85	-24.4	9.5
13,077.0	91.54	180.86	11,443.4	-1,516.7	618.8	5.53	4.85	2.66	-22.4	9.7
13,172.0	92.68	180.95	11,439.9	-1,611.6	617.3	1.20	1.20	0.09	-25.3	7.6
13,267.0	91.63	183.59	11,436.3	-1,706.4	613.6	2.99	-1.11	2.78	-28.2	3.3
13,363.0	91.28	182.79	11,433.9	-1,802.3	608.2	0.91	-0.36	-0.83	-30.0	-2.6
13,458.0	91.45	181.65	11,431.6	-1,897.2	604.6	1.21	0.18	-1.20	-31.6	-6.8
13,553.0	92.15	181.12	11,428.6	-1,992.1	602.3	0.92	0.74	-0.56	-33.9	-9.6
13,648.0	92.68	180.95	11,424.6	-2,087.0	600.6	0.59	0.56	-0.18	-37.2	-11.9
13,743.0	90.92	180.51	11,421.7	-2,181.9	599.3	1.91	-1.85	-0.46	-39.6	-13.6
13,839.0	86.44	177.96	11,423.9	-2,277.9	600.6	5.37	-4.67	-2.66	-36.7	-12.9
13,934.0	86.79	179.45	11,429.5	-2,372.7	602.8	1.61	0.37	1.57	-30.4	-11.3
14,029.0	90.48	183.59	11,431.7	-2,467.6	600.2	5.84	3.88	4.36	-27.5	-14.3
14,124.0	89.43	181.04	11,431.8	-2,562.5	596.4	2.90	-1.11	-2.68	-26.8	-18.7
14,220.0	91.89	179.98	11,430.7	-2,658.5	595.6	2.79	2.56	-1.10	-27.2	-20.1
14,315.0	91.19	177.78	11,428.2	-2,753.4	597.4	2.43	-0.74	-2.32	-29.1	-18.8
14,410.0	90.84	177.17	11,426.5	-2,848.3	601.6	0.74	-0.37	-0.64	-30.1	-15.1
14,505.0	90.57	176.55	11,425.3	-2,943.1	606.8	0.71	-0.28	-0.65	-30.6	-10.4
14,601.0	89.96	176.99	11,424.9	-3,039.0	612.2	0.78	-0.64	0.46	-30.4	-5.6
14,696.0	90.04	177.08	11,424.9	-3,133.9	617.1	0.13	0.08	0.09	-29.7	-1.2
14,791.0	91.01	178.49	11,424.0	-3,228.8	620.8	1.80	1.02	1.48	-29.9	1.9
14,886.0	90.31	177.43	11,422.9	-3,323.7	624.2	1.34	-0.74	-1.12	-30.4	4.8



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #721H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3250.0usft
Site:	Quail 2 State Com	MD Reference:	KB = 22' @ 3250.0usft
Well:	#721H	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)
14,981.0	89.43	176.29	11,423.1	-3,418.6	629.4	1.52	-0.93	-1.20	-29.5	9.4
15,077.0	90.04	175.94	11,423.6	-3,514.3	635.9	0.73	0.64	-0.36	-28.4	15.4
15,172.0	91.71	179.89	11,422.1	-3,609.3	639.3	4.51	1.76	4.16	-29.2	18.3
15,267.0	92.95	179.63	11,418.2	-3,704.2	639.7	1.33	1.31	-0.27	-32.4	18.2
15,362.0	93.56	179.89	11,412.9	-3,799.0	640.1	0.70	0.64	0.27	-37.1	18.0
15,458.0	90.40	182.97	11,409.5	-3,894.9	637.7	4.59	-3.29	3.21	-39.8	15.0
15,553.0	90.40	182.44	11,408.9	-3,989.8	633.3	0.56	0.00	-0.56	-39.8	10.0
15,648.0	88.99	183.06	11,409.4	-4,084.7	628.7	1.62	-1.48	0.65	-38.6	4.9
15,743.0	89.25	183.67	11,410.8	-4,179.5	623.1	0.70	0.27	0.64	-36.5	-1.2
15,838.0	90.92	184.29	11,410.7	-4,274.3	616.5	1.88	1.76	0.65	-36.0	-8.3
15,933.0	89.52	179.81	11,410.3	-4,369.2	613.1	4.94	-1.47	-4.72	-35.7	-12.2
16,028.0	89.69	179.54	11,411.0	-4,464.2	613.7	0.34	0.18	-0.28	-34.4	-12.2
Last MWD Survey (MD=16028.0')										
16,222.0	89.69	179.54	11,412.0	-4,658.2	615.2	0.00	0.00	0.00	-32.0	-11.8
Projection to Bit (MD=16222.0')										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,020.0	10,963.7	237.3	590.1	KOP, MD:11020.0', TVD:10963.7', N/S:237.3', E/W:590.1', INC:6.91
11,525.2	11,315.0	-7.2	422.5	FTP Crossing, MD:11525.2', TVD:11315.0', N/S:-7.2', E/W:422.5', INC:68.59
16,028.0	11,411.0	-4,464.2	613.7	Last MWD Survey (MD=16028.0')
16,222.0	11,412.0	-4,658.2	615.2	Projection to Bit (MD=16222.0')

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
KAY MADDOX 0913/2021



Eddy County, NM (NAD 83 NME)

Quail 2 State Com #721H

Plan #2

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

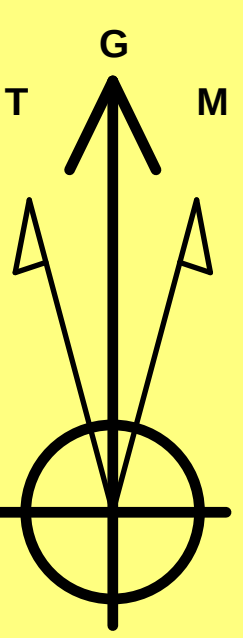
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #721H

KB = 22' @ 3250.0usft
Northing 392578.00 Easting 691349.00 Latitude 32° 4' 42.063 N Longitude 103° 50' 56.389 W

Azimuths to Grid North
True North: -0.26°
Magnetic North: 6.46°

Magnetic Field
Strength: 47433.3nT
Dip Angle: 59.74°
Date: 12/11/2020
Model: IGRF2020



To convert a Magnetic Direction to a Grid Direction, Add 6.46°
To convert a Magnetic Direction to a True Direction, Add 6.72° East
To convert a True Direction to a Grid Direction, Subtract 0.26°

SECTION DETAILS

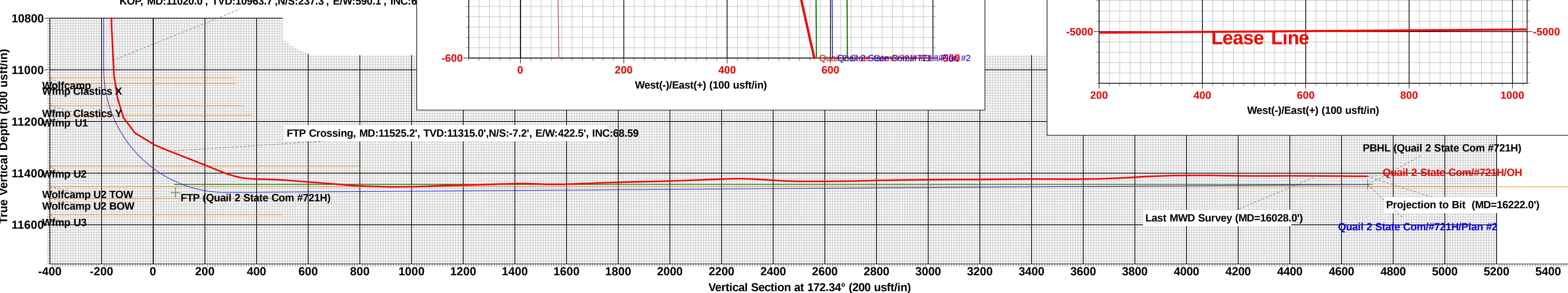
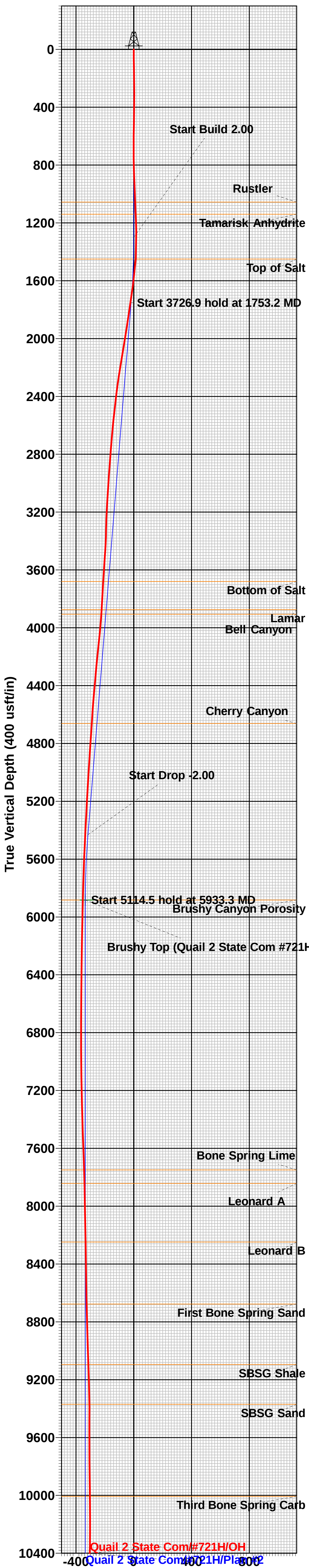
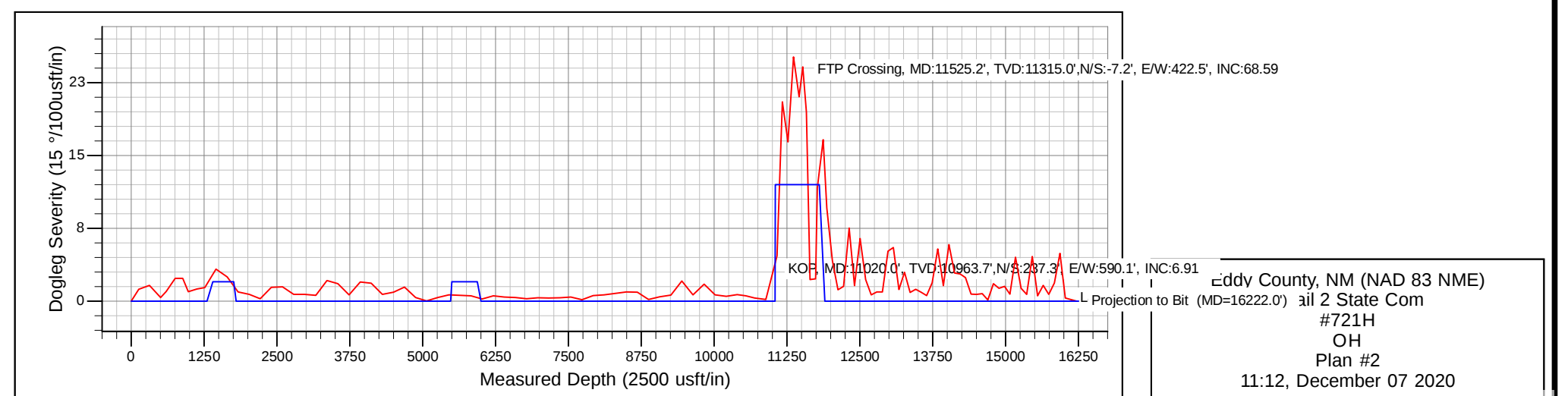
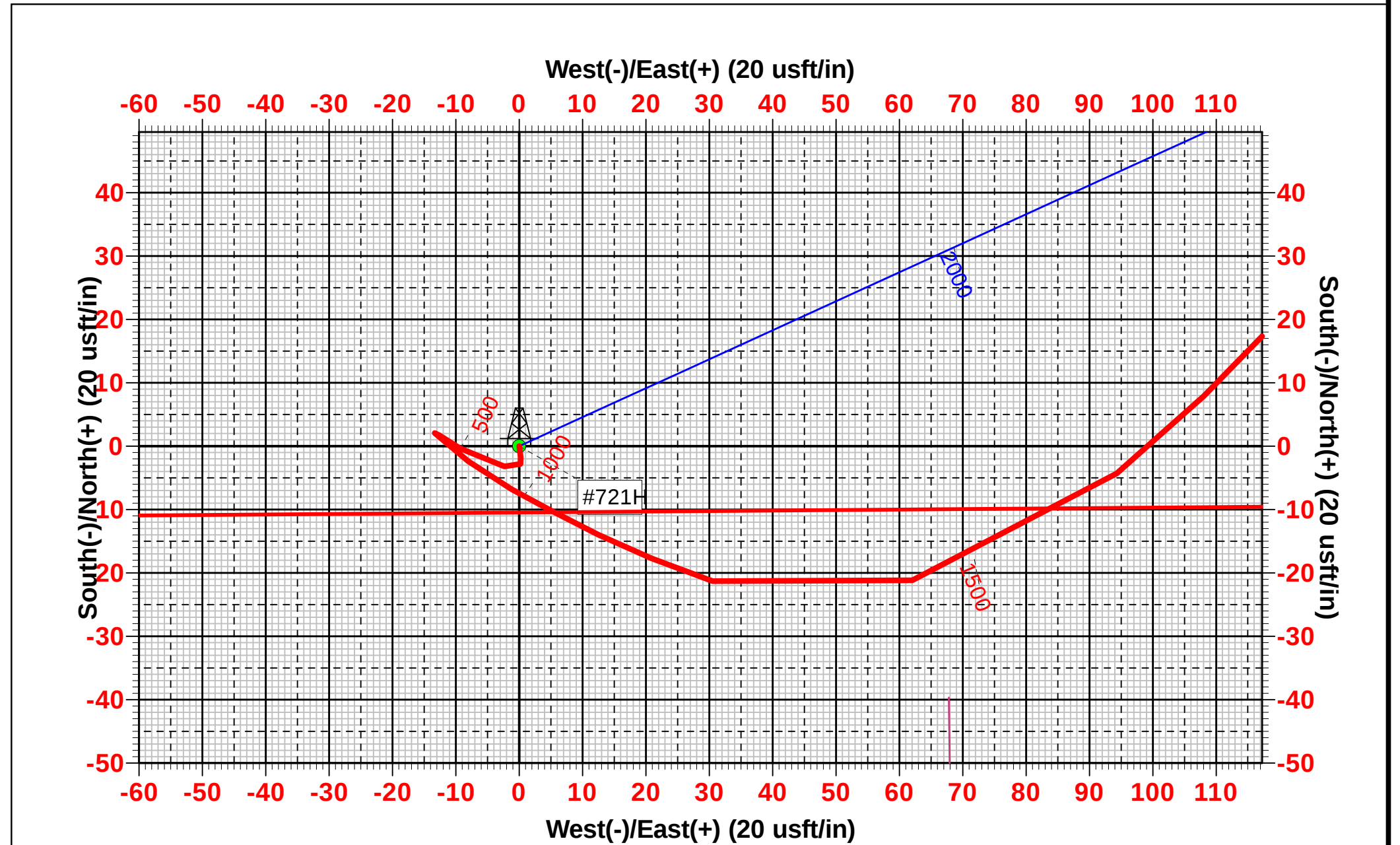
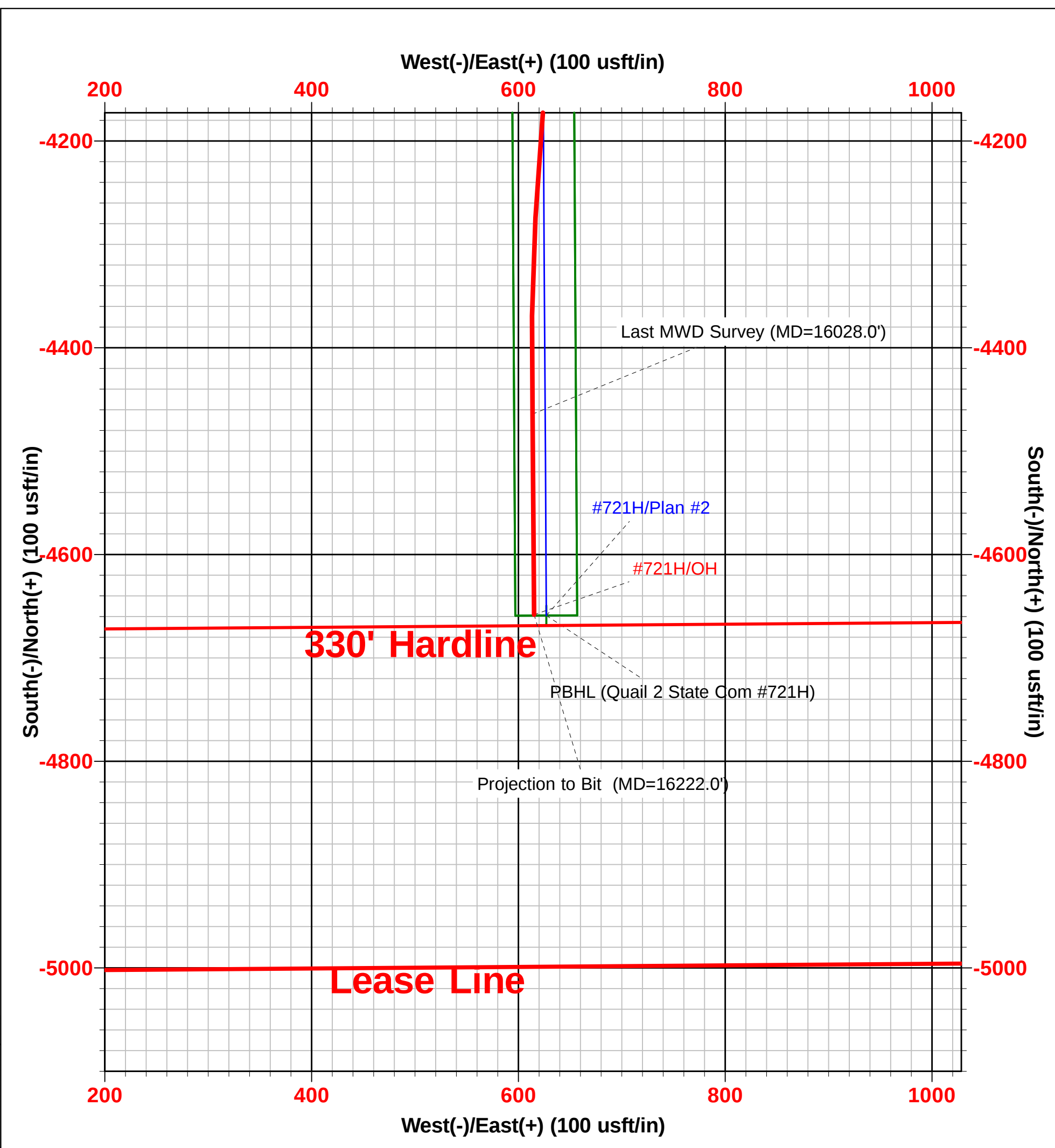
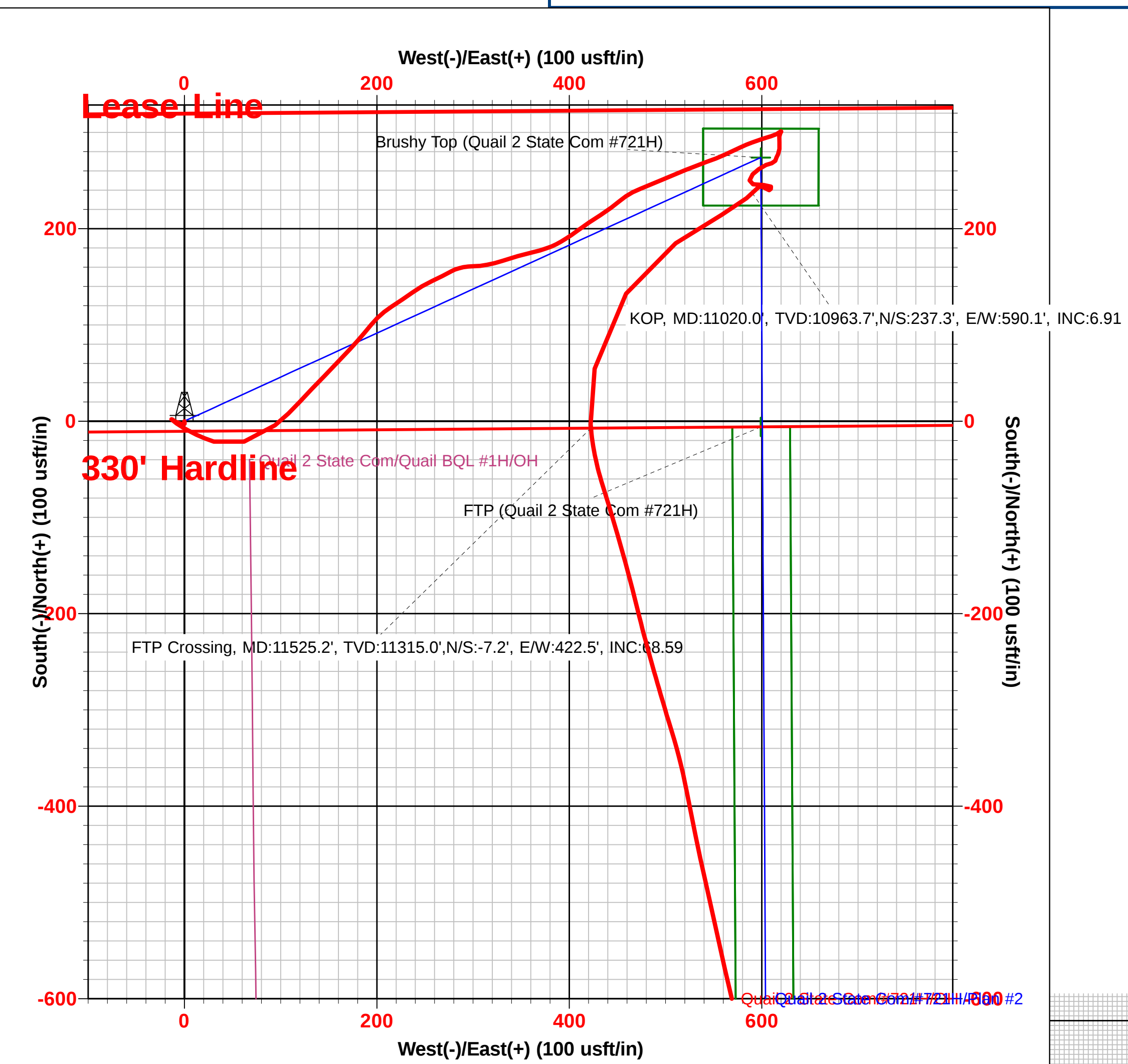
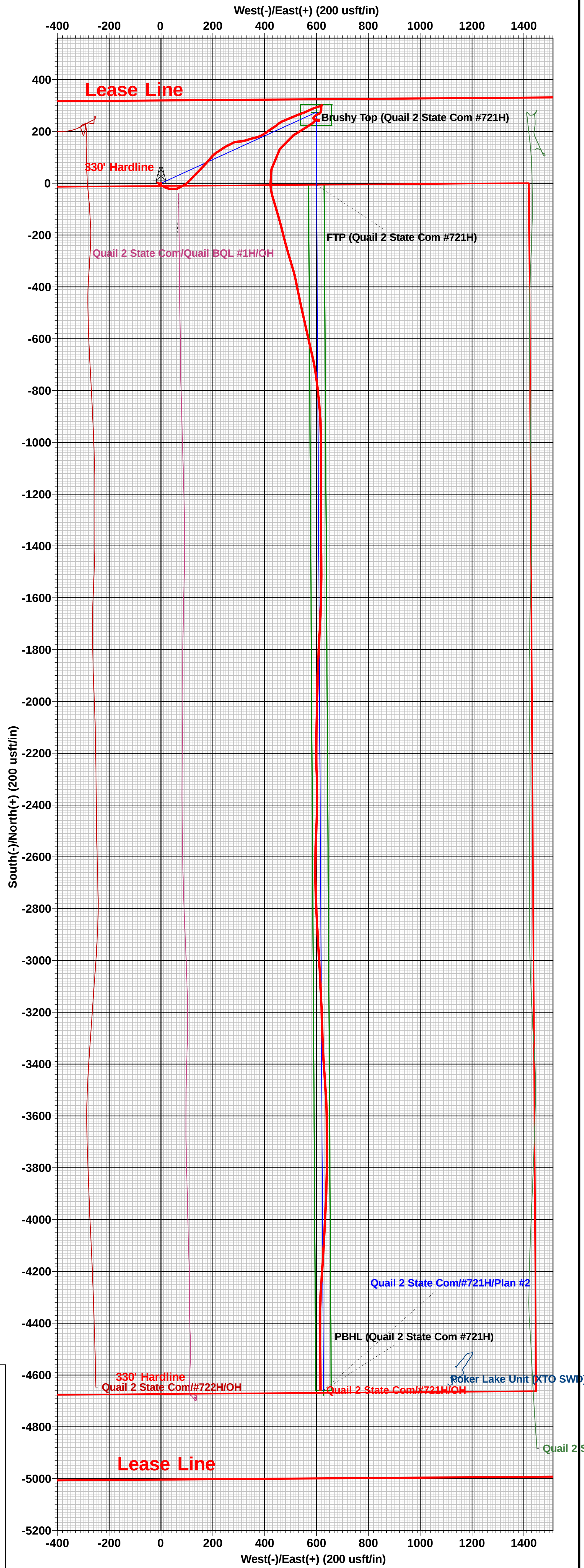
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1753.2	9.06	65.42	1751.3	14.9	32.5	2.00	65.42	-10.4	
4	5480.1	9.06	65.42	5431.7	259.1	566.5	0.00	0.00	-181.3	
5	5933.3	0.00	0.00	5883.0	274.0	599.0	2.00	180.00	-191.7	Brushy Top (Quail 2 State Com #721H)
6	11047.8	0.00	0.00	10997.5	274.0	599.0	0.00	0.00	-191.7	
7	11801.1	90.40	179.67	11475.0	-206.8	601.7	12.00	179.67	285.2	
8	16253.5	90.40	179.67	11444.0	-4659.0	627.0	0.00	0.00	4701.0	PBHL (Quail 2 State Com #721H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top (Quail 2 State Com #721H)	5883.0	274.0	599.0	392852.00	691948.00
PBHL (Quail 2 State Com #721H)	11444.0	-4659.0	627.0	387919.00	691976.00
FTP (Quail 2 State Com #721H)	11475.0	-6.0	599.0	392572.00	691948.00



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

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

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

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.)		WELL API NO. 30-015-47120
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator EOG RESOURCES INC		6. State Oil & Gas Lease No.
3. Address of Operator PO BOX 2267 MIDLAND, TX 79702		7. Lease Name or Unit Agreement Name QUAIL 2 STATE COM
4. Well Location Unit Letter B : 320 feet from the NORTH line and 1749 feet from the EAST line Section 2 Township 26S Range 30E NMPM County EDDY		8. Well Number 721H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3228' GR		9. OGRID Number 7377
		10. Pool name or Wildcat PURPLE SAGE; WOLFCAMP (GAS)

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

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

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.

12/07/2020 Rig released
 12/22/2020 Test void to 5000 psi, seals & flanges to 8500 psi
 06/08/2021 Begin perf & frac
 06/14/2021 Finish 22 stages perf & frac, 11,790 - 16,145' 879 3 1/8" shots 10,730,864 lbs
 proppant + 195,581 bbls load fluid
 06/21/2021 Drilled out plugs and clean out wellbore
 09/07/2021 Opened well to flowback - Date of First Production

Spud Date:

11/16/2020

Rig Release Date:

12/07/2020

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

SIGNATURE KAY MADDUX TITLE Senior Regulatory Specialist DATE 09/13/2021

Type or print name Kay Maddox E-mail address: kay_maddox@eogresources.com PHONE: 432-638-8475

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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					
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 COM		
								6. Well Number: 721H		
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 PURPLE SAGE; WOLFCAMP (GAS)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	2	26S	30E		320	NORTH	1749	EAST	EDDY
BH:	P	2	26S	30E		337	SOUTH	1162	EAST	EDDY
13. Date Spudded 11/16/2020	14. Date T.D. Reached 12/06/2020		15. Date Rig Released 12/07/2020			16. Date Completed (Ready to Produce) 09/07/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3228' GL		
18. Total Measured Depth of Well MD 16,222' TVD 11,412'			19. Plug Back Measured Depth MD 16,145' TVD 11,412'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run None		
22. Producing Interval(s), of this completion - Top, Bottom, Name WOLFCAMP 11,790 - 16,145'										
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		1168'		12 1/4"		545 SXS CL C/CIRC		
7 5/8"		29.7# ECP 110		10,595'		8 3/4"		1347 SXS CL C & H/CIRC		
5 1/2"		20# ECP 110		16,206'		6 3/4"		600 SXS CL H TOC 5650'		CBL
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
26. Perforation record (interval, size, and number) 11,790 - 16,145' 3 1/8", 879 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						11,790 - 16,145'		FRAC W/10,730,864 lbs proppant, 195,581 bbls load fld		
28. PRODUCTION										
Date First Production 09/07/2021		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 09/10/2021	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 2117	Gas - MCF 10,696	Water - Bbl. 4176	Gas - Oil Ratio 5051			
Flow Tubing Press.	Casing Pressure 1661	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 46				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) SOLD								30. Test Witnessed By		
31. List Attachments C-102, C-104, C-103, Directional Survey, H spacing										
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			Name Kay Maddox			Title Senior Regulatory Specialist			Date 09/14/2021	
E-mail Address kay_maddox@eogresources.com										

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.

Southeastern New Mexico			Northwestern New Mexico				
T. Anhy	Rustler	1056'	T. Canyon	Brushy	5883'	T. Ojo Alamo	T. Penn A "
T. Salt		1450'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		3680'	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	8677'		T. Entrada	
T. Wolfcamp	11031'		T. 2nd BS SAND	9370'		T. Wingate	
T. Penn			T. 3rd BS SAND	10642'		T. Chinle	
T. Cisco (Bough C)			T.			T. Permian	

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

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.....

From	To	Thickness In Feet	Lithology

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

ACKNOWLEDGMENTS

Action 48745

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 48745
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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 48745

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 48745
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	3/2/2022