

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 5/24/2021	
⁴ API Number 30 - 025-47789	⁵ Pool Name RED HILLS; BONE SPRING, NORTH		⁶ Pool Code 96434
⁷ Property Code 329735	⁸ Property Name FALCON 25 FED COM		⁹ Well Number 601H

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
N	25	24S	33E		240	SOUTH	2175	WEST	LEA

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
N	24	24S	33E		4319	NORTH	1964	WEST	LEA
¹² Lse Code	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 01/05/2021	²² Ready Date 05/24/2021	²³ TD 19,075'	²⁴ PBTD 19,058'	²⁵ Perforations 12,950'-19,048	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
12 1/4"		9 5/8"	1,305'		675 SXS CL C/CIRC
8 3/4"		7 5/8"	11,876'		1605 SXS CL C/CIRC
6 3/4"		5 1/2"	19,058'		695 SXS CL H/CIRC

V. Well Test Data

³¹ Date New Oil 5/24/2021	³² Gas Delivery Date 5/24/2021	³³ Test Date 05/30/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2277
³⁷ Choke Size 24	³⁸ Oil 3840	³⁹ Water 7224	⁴⁰ Gas 6286		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: <i>Kristina Agee</i>			OIL CONSERVATION DIVISION		
Printed name: Kristina Agee			Approved by: KURT SIMMONS		
Title: SENIOR REGULATORY ADMINISTRATOR			Title: NMOCD, SANTA FE		
E-mail Address: kristina_agee@eogresources.com			Approval Date: 08/19/2021		
Date: 6/22/2021		Phone: 432-686-6996			





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Falcon 25 Fed Com

#601H

OH

Design: OH

Midland PVA

27 February, 2021



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #601H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3556.0usft
Site:	Falcon 25 Fed Com	MD Reference:	KB = 26' @ 3556.0usft
Well:	#601H	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	Falcon 25 Fed Com		
Site Position:		Northing:	430,933.00 usft
From:	Map	Easting:	790,755.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 55.716 N
		Longitude:	103° 31' 37.717 W
		Grid Convergence:	0.43 °

Well		#601H				
Well Position	+N/-S	0.0 usft	Northing:	430,872.99 usft	Latitude:	32° 10' 55.131 N
	+E/-W	0.0 usft	Easting:	790,629.00 usft	Longitude:	103° 31' 39.188 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,530.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/29/2021	6.57	59.88	47,511.74243388

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	357.69

Survey Program	Date 2/27/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
200.0	19,075.0	Driltech MWD (OH)	EOG MWD+IFR1	MWD + IFR1



EOG Resources

Midland PVA

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Site:	Falcon 25 Fed Com	MD Reference:	KB = 26' @ 3556.0usft
Well:	#601H	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	
200.0	0.97	240.40	200.0	-0.8	-1.5	0.48	0.48	0.00	0.0	0.0	
400.0	1.23	241.98	400.0	-2.7	-4.8	0.13	0.13	0.79	0.0	0.0	
592.0	1.85	251.56	591.9	-4.6	-9.6	0.35	0.32	4.99	0.0	0.0	
782.0	1.93	255.43	781.8	-6.4	-15.6	0.08	0.04	2.04	0.0	0.0	
971.0	2.81	181.95	970.7	-11.8	-18.8	1.55	0.47	-38.88	0.0	0.0	
1,161.0	2.90	177.56	1,160.4	-21.3	-18.8	0.12	0.05	-2.31	0.0	0.0	
1,254.0	2.64	178.70	1,253.3	-25.8	-18.6	0.29	-0.28	1.23	0.0	0.0	
1,435.0	2.81	187.93	1,434.1	-34.3	-19.2	0.26	0.09	5.10	-0.1	-0.7	
1,625.0	8.00	174.57	1,623.2	-52.1	-18.6	2.79	2.73	-7.03	-0.7	-1.7	
1,814.0	7.47	178.96	1,810.5	-77.5	-17.1	0.42	-0.28	2.32	-5.2	-2.4	
2,004.0	7.21	181.77	1,998.9	-101.8	-17.2	0.23	-0.14	1.48	-8.5	-4.3	
2,193.0	6.60	185.03	2,186.6	-124.5	-18.6	0.38	-0.32	1.72	-10.7	-7.1	
2,384.0	8.97	183.62	2,375.8	-150.2	-20.5	1.24	1.24	-0.74	-15.4	-11.1	
2,479.0	10.73	187.75	2,469.4	-166.4	-22.1	2.00	1.85	4.35	-22.1	-11.9	
2,573.0	10.38	187.40	2,561.8	-183.5	-24.4	0.38	-0.37	-0.37	-29.0	-14.5	
2,763.0	8.88	189.07	2,749.1	-214.9	-28.9	0.80	-0.79	0.88	-40.8	-18.6	
2,952.0	7.56	187.49	2,936.2	-241.7	-32.8	0.71	-0.70	-0.84	-46.8	-24.9	
3,142.0	6.86	181.16	3,124.7	-265.4	-34.7	0.56	-0.37	-3.33	-46.5	-33.8	
3,331.0	5.89	171.93	3,312.5	-286.3	-33.5	0.75	-0.51	-4.88	-40.2	-41.8	
3,521.0	5.80	152.42	3,501.5	-304.5	-27.7	1.04	-0.05	-10.27	-23.1	-48.1	
3,711.0	5.19	135.72	3,690.7	-319.1	-17.3	0.90	-0.32	-8.79	-9.5	-42.3	
3,901.0	4.22	123.41	3,880.0	-329.1	-5.5	0.73	-0.51	-6.48	-2.2	-28.7	
4,090.0	4.31	125.26	4,068.5	-337.0	6.2	0.09	0.05	0.98	-3.3	-12.4	
4,280.0	2.55	116.12	4,258.2	-343.0	15.8	0.97	-0.93	-4.81	-1.2	4.1	
4,470.0	2.37	106.71	4,448.0	-346.0	23.3	0.23	-0.09	-4.95	-1.8	22.8	
4,660.0	6.86	116.38	4,637.3	-352.2	37.3	2.39	2.36	5.09	-1.6	41.4	



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #601H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3556.0usft
Site:	Falcon 25 Fed Com	MD Reference:	KB = 26' @ 3556.0usft
Well:	#601H	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)
4,850.0	8.71	119.72	4,825.6	-364.4	59.9	1.00	0.97	1.76	-12.4	59.5
5,040.0	12.49	143.80	5,012.4	-388.1	84.6	3.02	1.99	12.67	-2.5	76.0
5,229.0	8.35	156.02	5,198.2	-417.1	102.2	2.47	-2.19	6.47	-0.6	85.8
5,418.0	10.55	154.87	5,384.7	-445.4	115.2	1.17	1.16	-0.61	-13.3	92.6
5,608.0	13.72	162.08	5,570.4	-482.6	129.5	1.85	1.67	3.79	-20.7	100.2
5,798.0	14.77	167.62	5,754.6	-527.7	141.6	0.91	0.55	2.92	-36.9	106.5
5,988.0	15.92	172.89	5,937.8	-577.2	150.0	0.95	0.61	2.77	-56.3	112.3
6,178.0	16.18	184.84	6,120.4	-629.4	151.0	1.74	0.14	6.29	-63.9	123.1
6,367.0	17.32	181.94	6,301.4	-683.8	147.9	0.75	0.60	-1.53	-103.5	116.1
6,557.0	15.12	177.20	6,483.9	-736.8	148.1	1.35	-1.16	-2.49	-145.3	103.7
6,747.0	14.07	181.86	6,667.7	-784.6	148.6	0.83	-0.55	2.45	-163.7	114.2
6,937.0	9.41	205.41	6,853.8	-821.8	141.1	3.47	-2.45	12.39	-124.5	167.5
7,126.0	7.12	218.68	7,040.9	-844.9	127.2	1.57	-1.21	7.02	-94.7	180.2
7,315.0	2.99	232.66	7,229.1	-857.0	115.9	2.26	-2.19	7.40	-52.9	182.8
7,505.0	2.64	232.22	7,418.9	-862.7	108.5	0.18	-0.18	-0.23	-52.5	164.8
7,694.0	2.55	218.24	7,607.7	-868.7	102.5	0.34	-0.05	-7.40	-90.2	138.0
7,884.0	2.02	205.06	7,797.5	-875.0	98.5	0.39	-0.28	-6.94	-125.3	112.2
8,073.0	1.93	212.79	7,986.4	-880.7	95.3	0.15	-0.05	4.09	-115.6	128.4
8,264.0	1.85	196.45	8,177.3	-886.4	92.7	0.28	-0.04	-8.55	-153.2	89.8
8,453.0	1.85	183.53	8,366.2	-892.4	91.7	0.22	0.00	-6.84	-175.5	52.6
8,643.0	1.93	194.34	8,556.1	-898.5	90.7	0.19	0.04	5.69	-168.7	85.2
8,833.0	1.58	188.89	8,746.0	-904.2	89.5	0.20	-0.18	-2.87	-181.8	68.4
9,023.0	1.41	201.28	8,935.9	-909.0	88.2	0.19	-0.09	6.52	-167.8	106.4
9,212.0	1.14	245.40	9,124.9	-911.9	85.7	0.52	-0.14	23.34	-49.9	194.8
9,402.0	0.97	300.15	9,314.9	-911.9	82.6	0.52	-0.09	28.82	127.6	154.8
9,591.0	1.49	333.90	9,503.8	-908.9	80.1	0.46	0.28	17.86	188.3	58.7
9,780.0	2.73	19.08	9,692.7	-902.4	80.5	1.05	0.66	23.90	168.1	-90.5



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Midland PVA

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Well:	#601H	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)
9,970.0	0.97	15.12	9,882.6	-896.6	82.4	0.93	-0.93	-2.08	167.8	-78.9
10,160.0	0.35	316.32	10,072.6	-894.6	82.4	0.44	-0.33	-30.95	153.0	101.3
10,350.0	1.23	168.93	10,262.6	-896.2	82.4	0.81	0.46	-77.57	-185.1	-3.2
10,540.0	0.18	182.11	10,452.6	-898.5	82.8	0.56	-0.55	6.94	-183.2	39.6
10,730.0	0.53	39.56	10,642.6	-898.1	83.3	0.36	0.18	-75.03	120.7	-143.0
10,920.0	1.85	37.01	10,832.5	-895.0	85.7	0.70	0.69	-1.34	123.0	-137.5
11,109.0	1.32	42.90	11,021.4	-891.0	89.1	0.29	-0.28	3.12	103.0	-149.1
11,298.0	0.62	283.10	11,210.4	-889.2	89.5	0.91	-0.37	-63.39	78.2	161.6
11,488.0	1.41	40.70	11,400.4	-887.2	90.1	0.94	0.42	61.89	105.1	-143.3
11,677.0	1.67	358.86	11,589.3	-882.6	91.5	0.60	0.14	-22.14	169.4	-38.2
11,828.0	1.49	15.21	11,740.3	-878.5	92.0	0.32	-0.12	10.83	147.9	-83.8
11,892.0	1.14	25.41	11,804.3	-877.2	92.5	0.66	-0.55	15.94	132.3	-110.9
11,935.0	5.70	338.35	11,847.2	-874.8	91.9	11.62	10.61	-109.44	174.7	21.1
KOP, MD:11935.0', TVD:11847.2',N/S:-874.8', E/W:91.9', INC:5.70										
11,987.0	11.70	333.37	11,898.6	-867.7	88.6	11.62	11.54	-9.58	174.5	37.1
12,081.0	28.84	338.47	11,986.4	-837.8	75.9	18.31	18.23	5.43	171.4	24.6
12,176.0	43.70	341.20	12,062.8	-785.2	56.8	15.73	15.64	2.87	152.1	19.6
12,271.0	50.91	343.22	12,127.2	-718.7	35.5	7.75	7.59	2.13	126.4	16.0
12,365.0	53.64	343.66	12,184.7	-647.4	14.4	2.93	2.90	0.47	104.5	14.8
12,460.0	60.06	339.79	12,236.6	-572.0	-10.7	7.57	6.76	-4.07	86.7	20.9
12,555.0	69.47	339.79	12,277.1	-491.5	-40.3	9.91	9.91	0.00	70.1	25.1
12,650.0	78.79	338.65	12,303.0	-406.1	-72.7	9.88	9.81	-1.20	51.6	30.9
12,745.0	89.78	341.28	12,312.5	-317.5	-105.0	11.89	11.57	2.77	30.9	35.1
12,825.2	90.68	342.26	12,312.2	-241.3	-130.1	1.66	1.13	1.22	16.6	36.7
LL Crossing, MD:12825.2', TVD:12312.2',N/S:-241.3', E/W:-130.1', INC:90.68										
12,839.0	90.84	342.43	12,312.0	-228.1	-134.3	1.66	1.13	1.22	15.0	36.9



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12,929.1	91.42	345.93	12,310.2	-141.5	-158.9	3.94	0.64	3.88	11.3	35.7	
FTP Crossing, MD:12929.1', TVD:12310.2', N/S:-141.5', E/W:-158.9', INC:91.42											
12,934.0	91.45	346.12	12,310.1	-136.7	-160.0	3.94	0.64	3.89	11.2	35.5	
13,029.0	92.33	352.36	12,306.9	-43.5	-177.8	6.63	0.93	6.57	9.7	29.5	
13,124.0	90.40	355.87	12,304.7	51.0	-187.5	4.22	-2.03	3.69	9.2	20.0	
13,219.0	89.52	356.31	12,304.7	145.7	-194.0	1.04	-0.93	0.46	11.0	11.8	
13,313.0	89.60	356.23	12,305.5	239.5	-200.1	0.12	0.09	-0.09	13.4	8.1	
13,408.0	89.69	356.58	12,306.1	334.3	-206.0	0.38	0.09	0.37	15.7	8.8	
13,503.0	90.04	356.40	12,306.3	429.2	-211.9	0.41	0.37	-0.19	17.6	13.4	
13,598.0	90.66	357.90	12,305.7	524.0	-216.6	1.71	0.65	1.58	18.8	17.4	
13,693.0	89.16	0.09	12,305.8	619.0	-218.2	2.79	-1.58	2.31	20.6	18.3	
13,788.0	87.93	1.85	12,308.3	714.0	-216.6	2.26	-1.29	1.85	24.7	15.9	
13,883.0	87.67	1.76	12,311.9	808.9	-213.6	0.29	-0.27	-0.09	30.1	12.2	
13,978.0	86.70	1.06	12,316.6	903.7	-211.3	1.26	-1.02	-0.74	36.5	9.2	
14,073.0	88.81	0.62	12,320.3	998.6	-209.9	2.27	2.22	-0.46	41.9	7.0	
14,167.0	90.31	0.80	12,321.0	1,092.6	-208.8	1.61	1.60	0.19	44.3	5.1	
14,262.0	89.60	0.80	12,321.1	1,187.6	-207.4	0.75	-0.75	0.00	46.1	3.0	
14,357.0	90.13	0.88	12,321.3	1,282.6	-206.0	0.56	0.56	0.08	48.0	0.9	
14,452.0	91.10	1.24	12,320.3	1,377.6	-204.3	1.09	1.02	0.38	48.7	-1.6	
14,548.0	91.10	1.32	12,318.4	1,473.5	-202.1	0.08	0.00	0.08	48.6	-4.5	
14,642.0	91.80	2.03	12,316.1	1,567.5	-199.4	1.06	0.74	0.76	47.9	-7.9	
14,737.0	89.52	1.50	12,315.0	1,662.4	-196.5	2.46	-2.40	-0.56	48.5	-11.6	
14,832.0	87.93	1.41	12,317.1	1,757.3	-194.1	1.68	-1.67	-0.09	52.3	-14.8	
14,927.0	88.55	1.59	12,320.0	1,852.3	-191.6	0.68	0.65	0.19	57.0	-18.0	
15,022.0	88.55	1.50	12,322.4	1,947.2	-189.0	0.09	0.00	-0.09	61.1	-21.3	
15,116.0	88.64	1.94	12,324.7	2,041.1	-186.2	0.48	0.10	0.47	65.1	-24.9	
15,211.0	88.37	2.11	12,327.2	2,136.0	-182.8	0.34	-0.28	0.18	69.3	-29.0	



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #601H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3556.0usft
Site:	Falcon 25 Fed Com	MD Reference:	KB = 26' @ 3556.0usft
Well:	#601H	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)
15,306.0	88.46	0.62	12,329.8	2,231.0	-180.6	1.57	0.09	-1.57	73.6	-32.0
15,401.0	89.25	358.60	12,331.7	2,325.9	-181.2	2.28	0.83	-2.13	77.2	-32.1
15,496.0	90.13	358.69	12,332.2	2,420.9	-183.5	0.93	0.93	0.09	79.4	-30.6
15,590.0	89.96	359.65	12,332.2	2,514.9	-184.8	1.04	-0.18	1.02	81.0	-30.0
15,685.0	90.84	359.92	12,331.5	2,609.9	-185.2	0.97	0.93	0.28	82.1	-30.3
15,780.0	91.28	0.18	12,329.7	2,704.9	-185.1	0.54	0.46	0.27	82.0	-31.1
15,874.0	90.92	0.27	12,327.9	2,798.9	-184.7	0.39	-0.38	0.10	81.9	-32.2
15,969.0	90.75	0.36	12,326.6	2,893.8	-184.2	0.20	-0.18	0.09	82.2	-33.5
16,064.0	90.57	356.93	12,325.5	2,988.8	-186.5	3.62	-0.19	-3.61	82.8	-32.1
16,159.0	91.28	357.81	12,323.9	3,083.7	-190.8	1.19	0.75	0.93	83.0	-28.4
16,254.0	91.36	357.98	12,321.7	3,178.6	-194.3	0.20	0.08	0.18	82.5	-25.7
16,349.0	92.51	358.60	12,318.5	3,273.5	-197.1	1.38	1.21	0.65	81.0	-23.6
16,444.0	91.10	358.25	12,315.5	3,368.4	-199.7	1.53	-1.48	-0.37	79.8	-21.7
16,539.0	90.84	358.69	12,313.9	3,463.4	-202.3	0.54	-0.27	0.46	79.9	-19.9
16,634.0	90.40	359.57	12,312.9	3,558.3	-203.7	1.04	-0.46	0.93	80.5	-19.2
16,729.0	90.84	359.92	12,311.9	3,653.3	-204.1	0.59	0.46	0.37	81.2	-19.5
16,824.0	90.22	0.36	12,311.0	3,748.3	-203.9	0.80	-0.65	0.46	82.1	-20.5
16,919.0	90.13	358.42	12,310.7	3,843.3	-204.9	2.04	-0.09	-2.04	83.5	-20.3
17,013.0	89.69	358.69	12,310.8	3,937.3	-207.3	0.55	-0.47	0.29	85.3	-18.6
17,108.0	89.43	358.86	12,311.6	4,032.3	-209.3	0.33	-0.27	0.18	87.7	-17.3
17,203.0	89.87	359.39	12,312.2	4,127.3	-210.8	0.73	0.46	0.56	90.0	-16.6
17,303.0	91.63	0.01	12,310.9	4,227.2	-211.3	1.87	1.76	0.62	90.5	-16.9
17,398.0	92.59	0.88	12,307.4	4,322.2	-210.6	1.36	1.01	0.92	88.7	-18.3
17,493.0	92.33	0.53	12,303.3	4,417.1	-209.4	0.46	-0.27	-0.37	86.5	-20.2
17,588.0	92.51	358.07	12,299.3	4,512.0	-210.6	2.59	0.19	-2.59	84.5	-19.9
17,683.0	91.01	355.79	12,296.3	4,606.8	-215.6	2.87	-1.58	-2.40	83.5	-15.6
17,778.0	90.92	356.40	12,294.7	4,701.6	-222.1	0.65	-0.09	0.64	83.9	-9.8



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #601H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26' @ 3556.0usft
Site:	Falcon 25 Fed Com	MD Reference:	KB = 26' @ 3556.0usft
Well:	#601H	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)
17,872.0	90.66	356.67	12,293.4	4,795.4	-227.8	0.40	-0.28	0.29	84.6	-4.9
17,967.0	91.98	357.54	12,291.3	4,890.2	-232.6	1.66	1.39	0.92	84.4	-0.8
18,062.0	92.68	357.72	12,287.4	4,985.1	-236.5	0.76	0.74	0.19	82.5	2.4
18,156.0	92.77	357.98	12,282.9	5,078.9	-240.0	0.29	0.10	0.28	80.0	5.2
18,252.0	91.19	358.34	12,279.6	5,174.8	-243.1	1.69	-1.65	0.37	78.7	7.5
18,347.0	91.63	358.16	12,277.3	5,269.7	-246.0	0.50	0.46	-0.19	78.3	9.7
18,442.0	89.69	359.39	12,276.2	5,364.7	-248.0	2.42	-2.04	1.29	79.2	11.0
18,537.0	87.85	359.65	12,278.2	5,459.6	-248.8	1.96	-1.94	0.27	83.2	11.1
18,632.0	88.64	359.65	12,281.1	5,554.6	-249.4	0.83	0.83	0.00	88.1	10.9
18,727.0	88.55	359.13	12,283.5	5,649.6	-250.4	0.56	-0.09	-0.55	92.4	11.1
18,822.0	87.76	359.21	12,286.5	5,744.5	-251.8	0.84	-0.83	0.08	97.4	11.8
18,917.0	87.67	358.69	12,290.3	5,839.4	-253.5	0.56	-0.09	-0.55	103.2	12.8
Last MWD Survey (MD=18917.0')										
19,075.0	87.67	358.69	12,296.7	5,997.2	-257.2	0.00	0.00	0.00	112.9	15.2
Projection to Bit (MD=19075.0')										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,935.0	11,847.2	-874.8	91.9	KOP, MD:11935.0', TVD:11847.2', N/S:-874.8', E/W:91.9', INC:5.70
12,825.2	12,312.2	-241.3	-130.1	LL Crossing, MD:12825.2', TVD:12312.2', N/S:-241.3', E/W:-130.1', INC:90.68
12,929.1	12,310.2	-141.5	-158.9	FTP Crossing, MD:12929.1', TVD:12310.2', N/S:-141.5', E/W:-158.9', INC:91.42
18,917.0	12,290.3	5,839.4	-253.5	Last MWD Survey (MD=18917.0')
19,075.0	12,296.7	5,997.2	-257.2	Projection to Bit (MD=19075.0')

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Falcon 25 Fed Com #601H

Plan #2

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

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

WELL DETAILS: #601H

KB = 26' @ 3556.0usft
Northing 430872.99 Easting 790629.00 Latitude 32° 10' 55.131 N Longitude 103° 31' 39.188 W

Azimuths to Grid North
True North: -0.43°
Magnetic North: 6.14°
Magnetic Field
Strength: 47511.7nT
Dip Angle: 59.88°
Date: 1/29/2021
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.14°
To convert a Magnetic Direction to a True Direction, Add 6.57° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

SECTION DETAILS

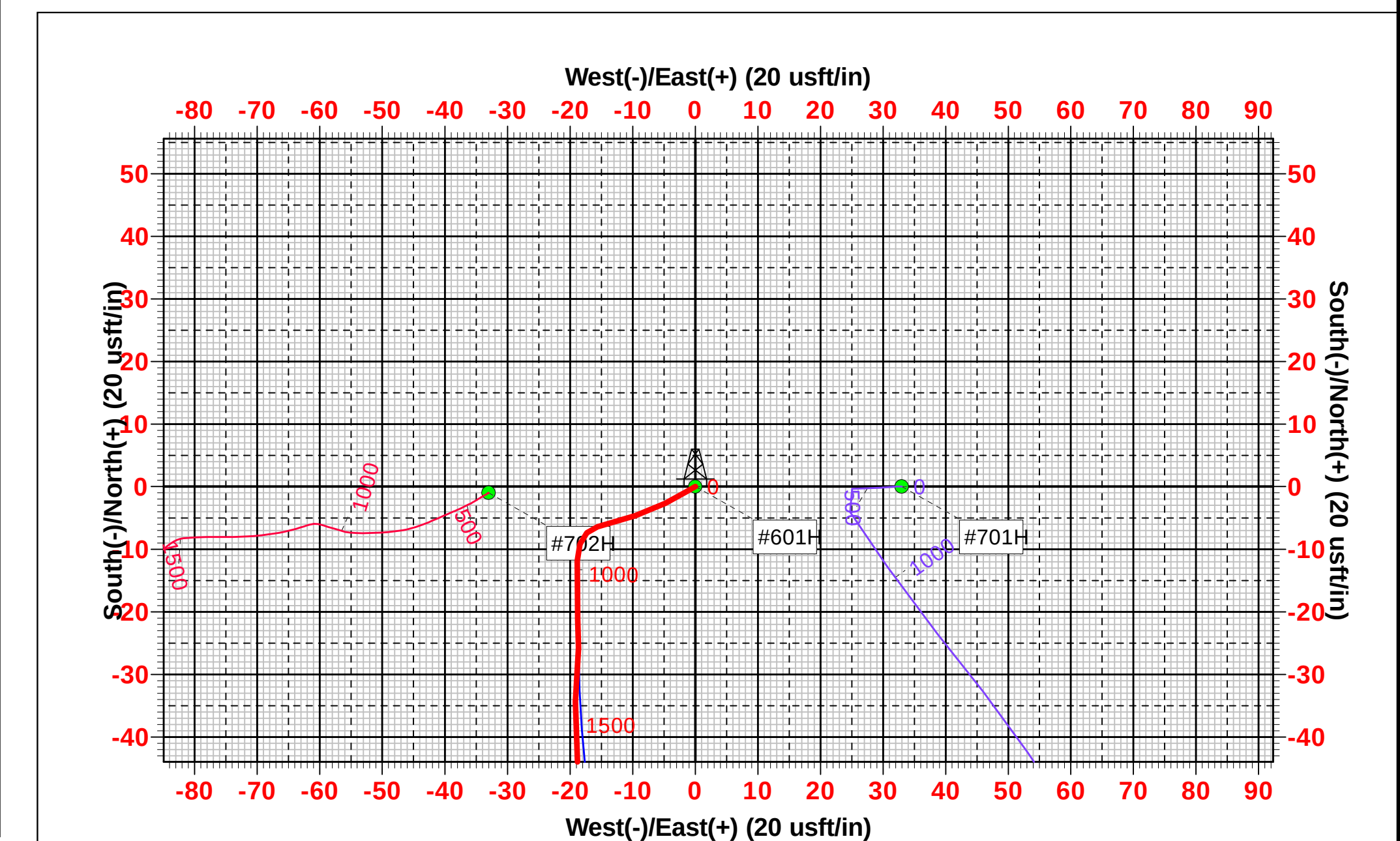
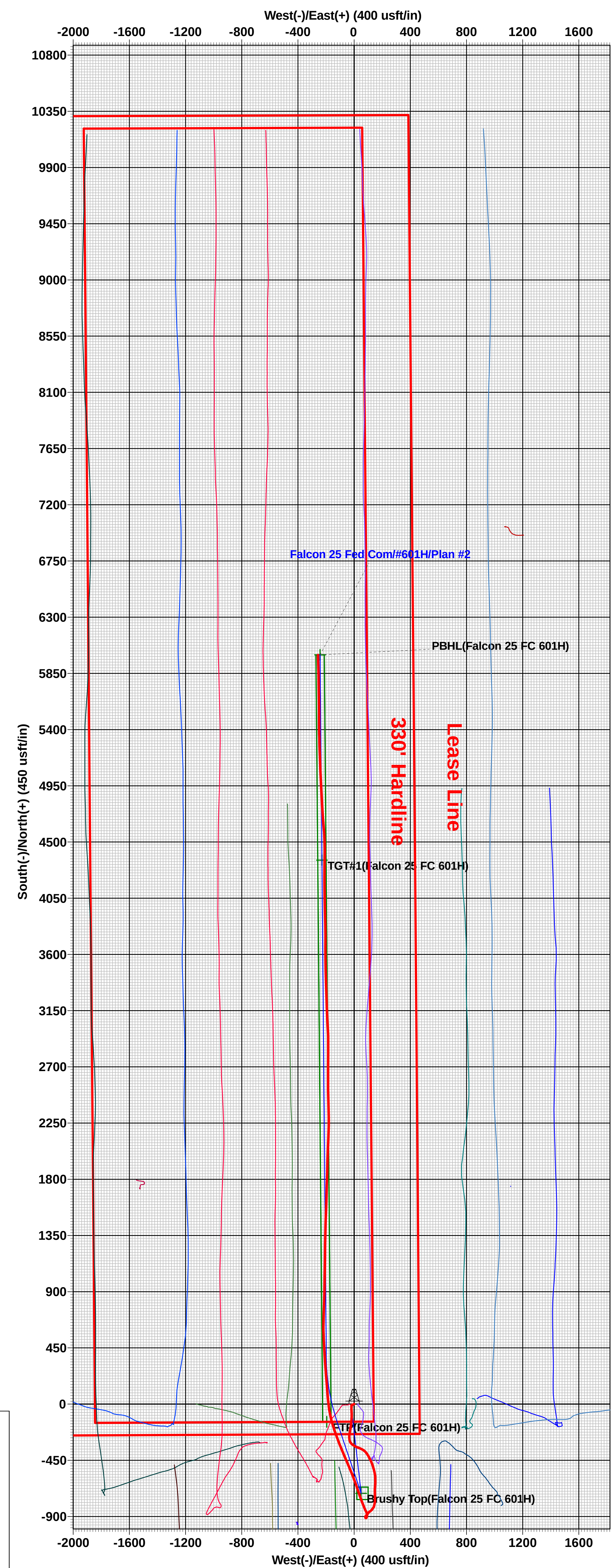
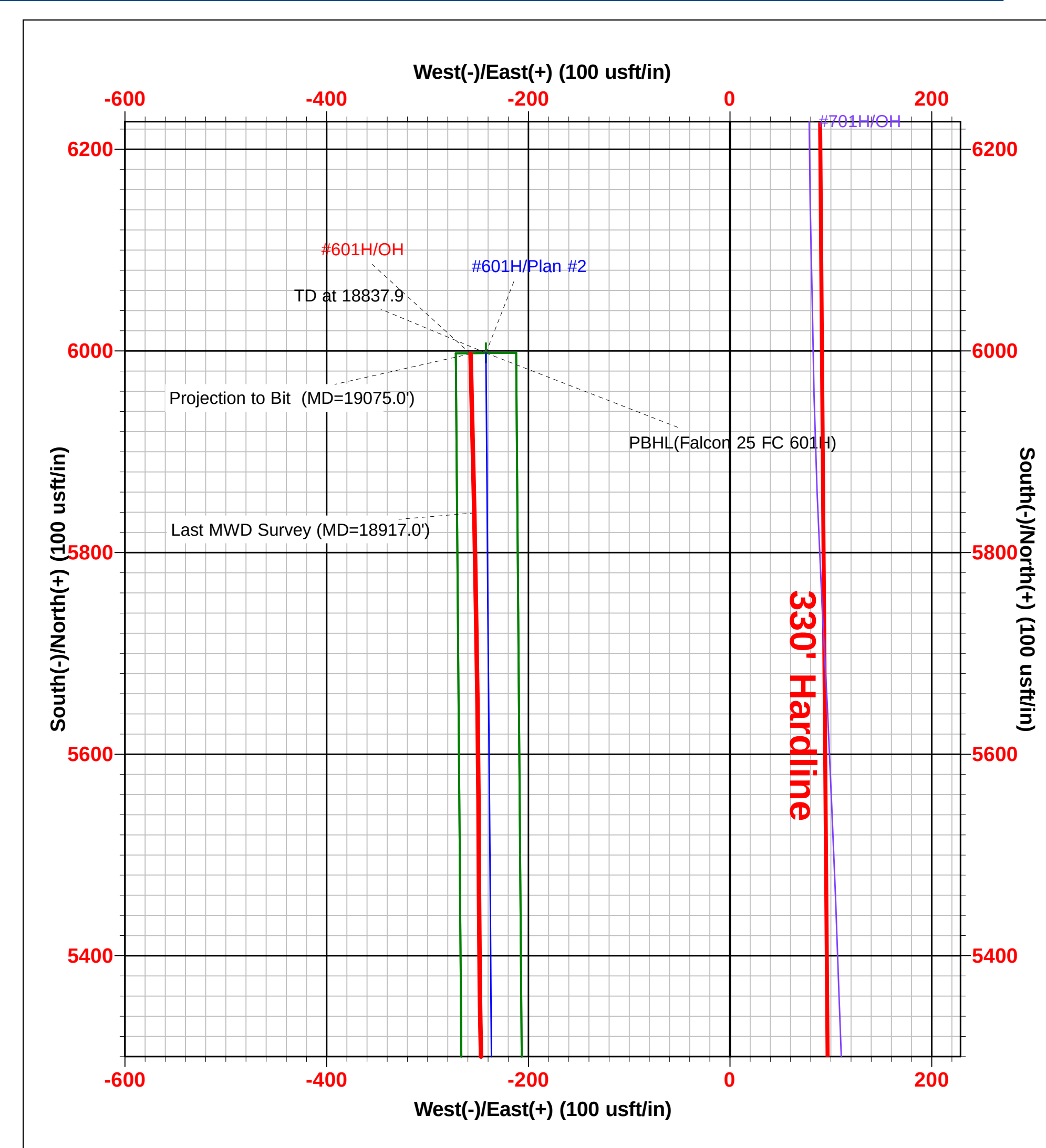
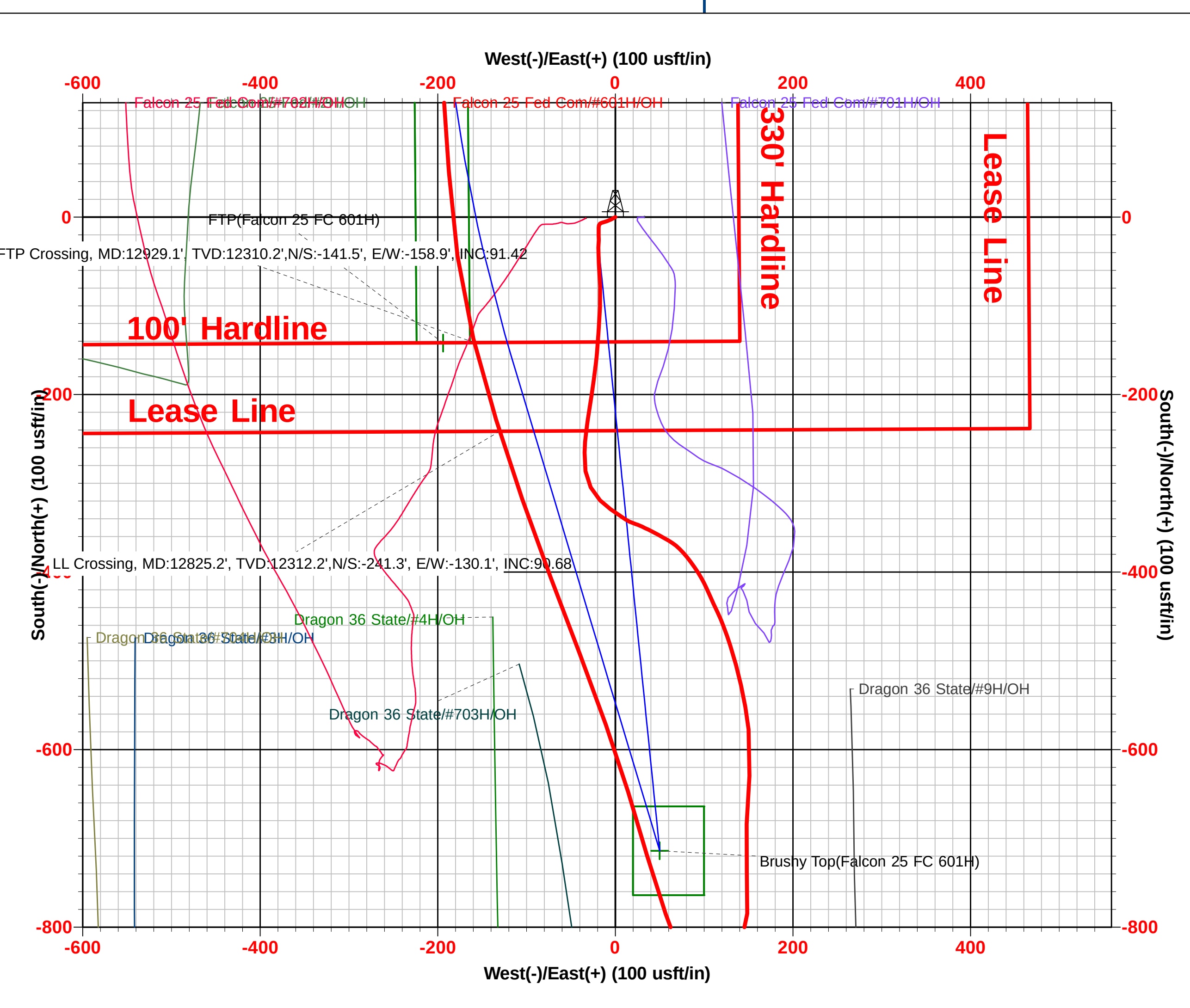
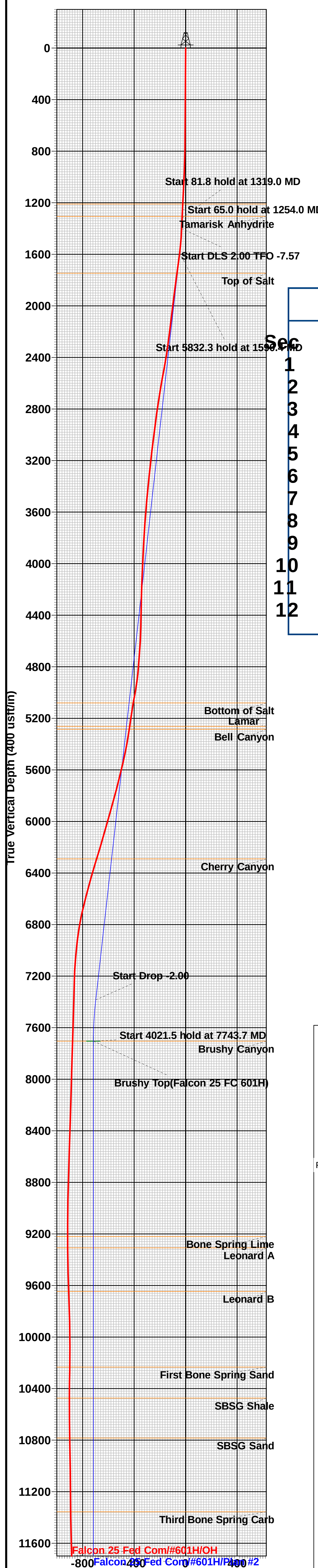
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	1254.0	2.64	178.70	1253.3	-25.8	-18.6	0.00	0.00	-25.0	
2	1319.0	2.64	178.70	1318.2	-28.8	-18.6	0.00	0.00	-28.0	
3	1400.8	2.64	178.70	1400.0	-32.5	-18.5	0.00	0.00	-31.8	
4	1590.4	6.42	174.23	1589.0	-47.5	-17.3	2.00	-7.57	-46.7	
5	7422.8	6.42	174.23	7384.8	-696.1	48.2	0.00	0.00	-697.5	
6	7743.7	0.00	0.00	7705.0	-714.0	50.0	2.00	180.00	-715.4	Brushy Top(Falcon 25 FC 601H)
7	11765.2	0.00	0.00	11726.5	-714.0	50.0	0.00	0.00	-715.4	
8	12675.5	91.03	343.30	12299.4	-155.3	-117.6	10.00	343.30	-150.5	
9	13217.1	91.03	359.55	12289.6	378.4	-198.1	3.00	89.85	386.1	
10	17194.8	91.03	359.55	12218.0	4355.3	-229.2	0.00	0.00	4361.0	TGT#1(Falcon 25 FC 601H)
11	17202.9	91.19	359.55	12217.8	4363.4	-229.2	2.00	0.09	4369.1	
12	18837.9	91.19	359.55	12183.8	5998.0	-242.0	0.00	0.00	6002.9	PBHL(Falcon 25 FC 601H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Falcon 25 FC 601H)	7705.0	-714.0	50.0	430159.00	790679.00
PBHL(Falcon 25 FC 601H)	12183.8	5998.0	-242.0	436871.00	790387.00
TGT#1(Falcon 25 FC 601H)	12218.0	4355.3	-229.2	435228.29	790399.83
FTP(Falcon 25 FC 601H)	12299.0	-142.0	-194.0	430731.00	790435.00



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

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 FALCON 25 FED COM		
								6. Well Number: 601H		
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 RED HILLS; BONE SPRING, NORTH			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	N	25	24S	33E		240'	SOUTH	2175'	WEST	LEA
BH:	N	24	24S	33E		4319'	NORTH	1964'	WEST	LEA
13. Date Spudded 1/5/2021	14. Date T.D. Reached 02/23/2021		15. Date Rig Released 02/26/2021		16. Date Completed (Ready to Produce) 5/24/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3531GL		
18. Total Measured Depth of Well MD 19,075' TVD 12,296'			19. Plug Back Measured Depth MD 19,058 TVD 12,296'		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run None		
22. Producing Interval(s), of this completion - Top, Bottom, Name SANDBAR BONESPRING - 10,797-18,243"										
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"		54.4# J-55		1,305'		12 1/4"		675 CL C/CIRC		
7 5/8"		40# J-55		11,876'		8 3/4"		1605 H/CIRC		
5 1/2"		20# HCP 110		19,058'		6 3/4"		695 CL H/CIRC		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 12,950'-19,048' 3 1/8", 1260 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,950'-19,048'		FRAC W/15,109,619 lbs proppant, 260,103 bbls load fld		
28. PRODUCTION										
Date First Production 5/24/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 5/30/2021	Hours Tested 24	Choke Size 24	Prod'n For Test Period	Oil - Bbl 3840	Gas - MCF 6286	Water - Bbl. 7224	Gas - Oil Ratio 1637			
Flow Tubing Press.	Casing Pressure 2277	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 44				
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,										
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 <i>Kristina Agee</i>			Printed Name Kristina Agee		Title Senior Regulatory Administrator			Date 6/22/2021		
E-mail Address kristina_agee@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	1210'	T. Canyon	Brushy	7,705'	T. Ojo Alamo	T. Penn A "
T. Salt		1,747'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		5,081'	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. Blinbry			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	10,233'		T. Entrada	
T. Wolfcamp			T. 2nd BS Sand	10,748		T. Wingate	
T. Penn			T. 3rd BS Sand	11,907'		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 33491

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 33491
	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
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811 S. First St., Artesia, NM 88210
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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 33491

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 33491
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/19/2021