

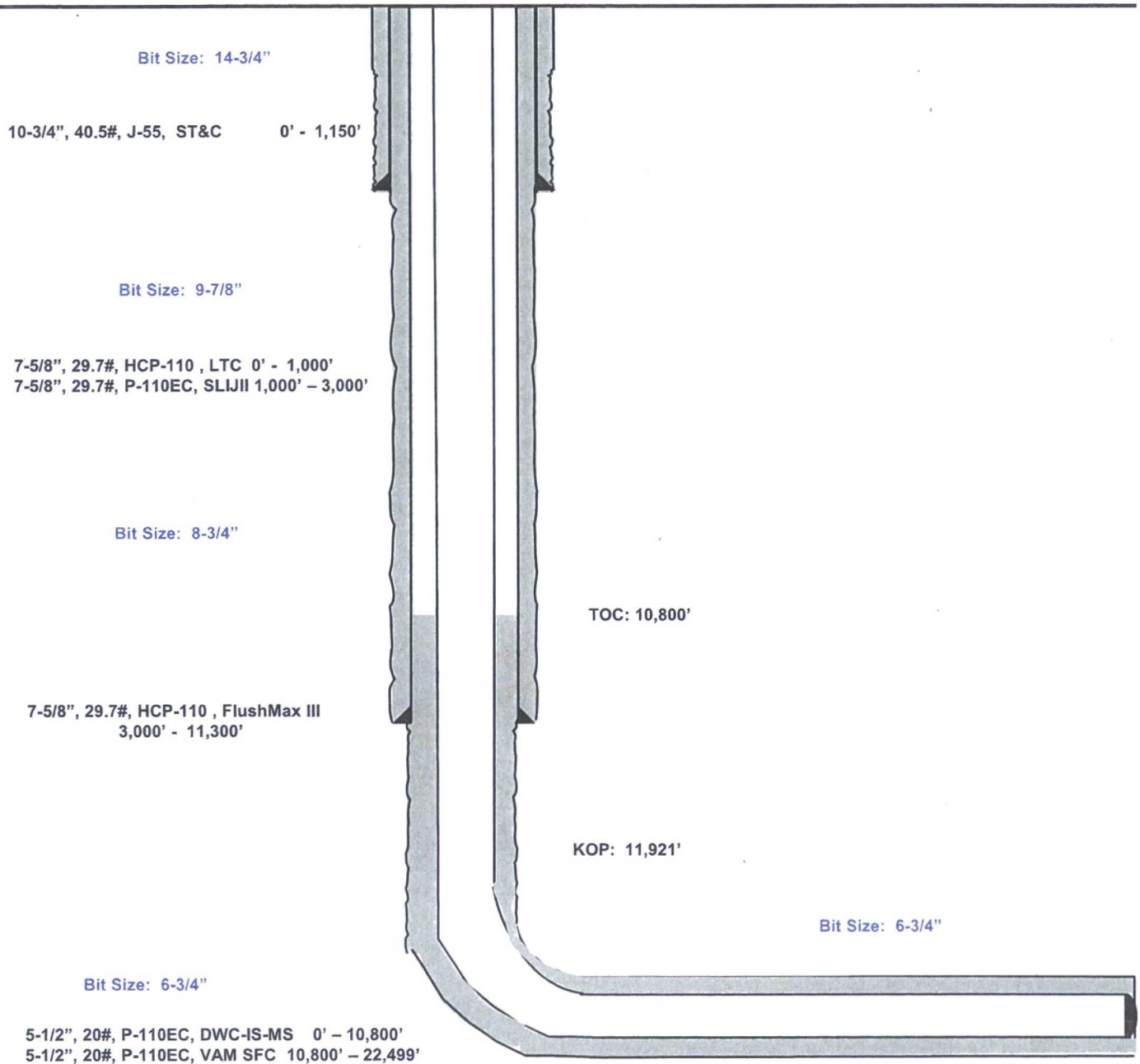
Caballo 23 Fed Com #702H

Lea County, New Mexico
Proposed Wellbore

494' FSL
461' FWL
Section 23
T-25-S, R-33-E

API: 30-025-*****

KB: 3,367'
GL: 3,342'



Lateral: 22,499' MD, 12,402' TVD
Upper Most Perf:
330' FSL & 907' FWL Sec. 23
Lower Most Perf:
330' FNL & 907' FWL Sec. 14
BH Location: 230' FNL & 907' FWL
Section 14
T-25-S, R-33-E



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Caballo 23 Fed Com

#702H

OH

Plan: Plan #0.1

HOBBS OCD
JUN 26 2017
RECEIVED

Standard Planning Report

13 February, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Caballo 23 Fed Com
Well: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25' @ 3367.00usft
MD Reference: KB = 25' @ 3367.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	Caballo 23 Fed Com				
Site Position:		Northing:	404,685.00 usft	Latitude:	32.11013733
From:	Map	Easting:	783,786.00 usft	Longitude:	-103.55028448
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	#702H					
Well Position	+N/-S	0.00 usft	Northing:	404,685.00 usft	Latitude:	32.11013663
	+E/-W	35.00 usft	Easting:	783,821.00 usft	Longitude:	-103.55017145
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,342.00 usft

Wellbore	OH				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/13/2017	6.97	59.97	47,908

Design	Plan #0.1				
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Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	2.19	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,453.62	4.54	135.98	4,453.15	-12.91	12.47	1.00	1.00	0.00	135.98	
11,921.82	4.54	135.98	11,897.95	-437.62	422.95	0.00	0.00	0.00	0.00	
12,699.17	90.00	359.59	12,402.00	39.25	447.13	12.00	10.99	-17.54	-136.30	
22,499.17	90.00	359.59	12,402.00	9,839.00	377.00	0.00	0.00	0.00	0.00	PBHL (Caballo 23 Fed Com)



EOG Resources, Inc.
Planning Report

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Project: Lea County, NM (NAD 83 NME)
Site: Caballo 23 Fed Com
Well: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25' @ 3367.00usft
MD Reference: KB = 25' @ 3367.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	1.00	135.98	4,100.00	-0.63	0.61	-0.60	1.00	1.00	0.00
4,200.00	2.00	135.98	4,199.96	-2.51	2.43	-2.41	1.00	1.00	0.00
4,300.00	3.00	135.98	4,299.86	-5.65	5.46	-5.43	1.00	1.00	0.00
4,400.00	4.00	135.98	4,399.68	-10.04	9.70	-9.66	1.00	1.00	0.00
4,453.62	4.54	135.98	4,453.15	-12.91	12.47	-12.42	1.00	1.00	0.00
4,500.00	4.54	135.98	4,499.38	-15.54	15.02	-14.96	0.00	0.00	0.00
4,600.00	4.54	135.98	4,599.07	-21.23	20.52	-20.43	0.00	0.00	0.00
4,700.00	4.54	135.98	4,698.75	-26.92	26.01	-25.90	0.00	0.00	0.00
4,800.00	4.54	135.98	4,798.44	-32.60	31.51	-31.37	0.00	0.00	0.00
4,900.00	4.54	135.98	4,898.13	-38.29	37.01	-36.85	0.00	0.00	0.00
5,000.00	4.54	135.98	4,997.81	-43.98	42.50	-42.32	0.00	0.00	0.00
5,100.00	4.54	135.98	5,097.50	-49.66	48.00	-47.79	0.00	0.00	0.00
5,200.00	4.54	135.98	5,197.19	-55.35	53.50	-53.26	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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Site: Caballo 23 Fed Com
Well: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #702H
KB = 25' @ 3367.00usft
KB = 25' @ 3367.00usft
Grid
Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.00	4.54	135.98	5,296.88	-61.04	58.99	-58.73	0.00	0.00	0.00
5,400.00	4.54	135.98	5,396.56	-66.73	64.49	-64.21	0.00	0.00	0.00
5,500.00	4.54	135.98	5,496.25	-72.41	69.99	-69.68	0.00	0.00	0.00
5,600.00	4.54	135.98	5,595.94	-78.10	75.48	-75.15	0.00	0.00	0.00
5,700.00	4.54	135.98	5,695.62	-83.79	80.98	-80.62	0.00	0.00	0.00
5,800.00	4.54	135.98	5,795.31	-89.47	86.47	-86.10	0.00	0.00	0.00
5,900.00	4.54	135.98	5,895.00	-95.16	91.97	-91.57	0.00	0.00	0.00
6,000.00	4.54	135.98	5,994.68	-100.85	97.47	-97.04	0.00	0.00	0.00
6,100.00	4.54	135.98	6,094.37	-106.53	102.96	-102.51	0.00	0.00	0.00
6,200.00	4.54	135.98	6,194.06	-112.22	108.46	-107.99	0.00	0.00	0.00
6,300.00	4.54	135.98	6,293.74	-117.91	113.96	-113.46	0.00	0.00	0.00
6,400.00	4.54	135.98	6,393.43	-123.59	119.45	-118.93	0.00	0.00	0.00
6,500.00	4.54	135.98	6,493.12	-129.28	124.95	-124.40	0.00	0.00	0.00
6,600.00	4.54	135.98	6,592.80	-134.97	130.45	-129.87	0.00	0.00	0.00
6,700.00	4.54	135.98	6,692.49	-140.66	135.94	-135.35	0.00	0.00	0.00
6,800.00	4.54	135.98	6,792.18	-146.34	141.44	-140.82	0.00	0.00	0.00
6,900.00	4.54	135.98	6,891.86	-152.03	146.94	-146.29	0.00	0.00	0.00
7,000.00	4.54	135.98	6,991.55	-157.72	152.43	-151.76	0.00	0.00	0.00
7,100.00	4.54	135.98	7,091.24	-163.40	157.93	-157.24	0.00	0.00	0.00
7,200.00	4.54	135.98	7,190.92	-169.09	163.42	-162.71	0.00	0.00	0.00
7,300.00	4.54	135.98	7,290.61	-174.78	168.92	-168.18	0.00	0.00	0.00
7,400.00	4.54	135.98	7,390.30	-180.46	174.42	-173.65	0.00	0.00	0.00
7,500.00	4.54	135.98	7,489.98	-186.15	179.91	-179.13	0.00	0.00	0.00
7,600.00	4.54	135.98	7,589.67	-191.84	185.41	-184.60	0.00	0.00	0.00
7,700.00	4.54	135.98	7,689.36	-197.52	190.91	-190.07	0.00	0.00	0.00
7,800.00	4.54	135.98	7,789.04	-203.21	196.40	-195.54	0.00	0.00	0.00
7,900.00	4.54	135.98	7,888.73	-208.90	201.90	-201.01	0.00	0.00	0.00
8,000.00	4.54	135.98	7,988.42	-214.59	207.40	-206.49	0.00	0.00	0.00
8,100.00	4.54	135.98	8,088.10	-220.27	212.89	-211.96	0.00	0.00	0.00
8,200.00	4.54	135.98	8,187.79	-225.96	218.39	-217.43	0.00	0.00	0.00
8,300.00	4.54	135.98	8,287.48	-231.65	223.88	-222.90	0.00	0.00	0.00
8,400.00	4.54	135.98	8,387.16	-237.33	229.38	-228.38	0.00	0.00	0.00
8,500.00	4.54	135.98	8,486.85	-243.02	234.88	-233.85	0.00	0.00	0.00
8,600.00	4.54	135.98	8,586.54	-248.71	240.37	-239.32	0.00	0.00	0.00
8,700.00	4.54	135.98	8,686.22	-254.39	245.87	-244.79	0.00	0.00	0.00
8,800.00	4.54	135.98	8,785.91	-260.08	251.37	-250.27	0.00	0.00	0.00
8,900.00	4.54	135.98	8,885.60	-265.77	256.86	-255.74	0.00	0.00	0.00
9,000.00	4.54	135.98	8,985.29	-271.45	262.36	-261.21	0.00	0.00	0.00
9,100.00	4.54	135.98	9,084.97	-277.14	267.86	-266.68	0.00	0.00	0.00
9,200.00	4.54	135.98	9,184.66	-282.83	273.35	-272.15	0.00	0.00	0.00
9,300.00	4.54	135.98	9,284.35	-288.52	278.85	-277.63	0.00	0.00	0.00
9,400.00	4.54	135.98	9,384.03	-294.20	284.34	-283.10	0.00	0.00	0.00
9,500.00	4.54	135.98	9,483.72	-299.89	289.84	-288.57	0.00	0.00	0.00
9,600.00	4.54	135.98	9,583.41	-305.58	295.34	-294.04	0.00	0.00	0.00
9,700.00	4.54	135.98	9,683.09	-311.26	300.83	-299.52	0.00	0.00	0.00
9,800.00	4.54	135.98	9,782.78	-316.95	306.33	-304.99	0.00	0.00	0.00
9,900.00	4.54	135.98	9,882.47	-322.64	311.83	-310.46	0.00	0.00	0.00
10,000.00	4.54	135.98	9,982.15	-328.32	317.32	-315.93	0.00	0.00	0.00
10,100.00	4.54	135.98	10,081.84	-334.01	322.82	-321.41	0.00	0.00	0.00
10,200.00	4.54	135.98	10,181.53	-339.70	328.32	-326.88	0.00	0.00	0.00
10,300.00	4.54	135.98	10,281.21	-345.38	333.81	-332.35	0.00	0.00	0.00
10,400.00	4.54	135.98	10,380.90	-351.07	339.31	-337.82	0.00	0.00	0.00
10,500.00	4.54	135.98	10,480.59	-356.76	344.80	-343.29	0.00	0.00	0.00
10,600.00	4.54	135.98	10,580.27	-362.45	350.30	-348.77	0.00	0.00	0.00



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Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,700.00	4.54	135.98	10,679.96	-368.13	355.80	-354.24	0.00	0.00	0.00
10,800.00	4.54	135.98	10,779.65	-373.82	361.29	-359.71	0.00	0.00	0.00
10,900.00	4.54	135.98	10,879.33	-379.51	366.79	-365.18	0.00	0.00	0.00
11,000.00	4.54	135.98	10,979.02	-385.19	372.29	-370.66	0.00	0.00	0.00
11,100.00	4.54	135.98	11,078.71	-390.88	377.78	-376.13	0.00	0.00	0.00
11,200.00	4.54	135.98	11,178.39	-396.57	383.28	-381.60	0.00	0.00	0.00
11,300.00	4.54	135.98	11,278.08	-402.25	388.78	-387.07	0.00	0.00	0.00
11,400.00	4.54	135.98	11,377.77	-407.94	394.27	-392.55	0.00	0.00	0.00
11,500.00	4.54	135.98	11,477.45	-413.63	399.77	-398.02	0.00	0.00	0.00
11,600.00	4.54	135.98	11,577.14	-419.31	405.27	-403.49	0.00	0.00	0.00
11,700.00	4.54	135.98	11,676.83	-425.00	410.76	-408.96	0.00	0.00	0.00
11,800.00	4.54	135.98	11,776.51	-430.69	416.26	-414.43	0.00	0.00	0.00
11,900.00	4.54	135.98	11,876.20	-436.37	421.75	-419.91	0.00	0.00	0.00
11,921.82	4.54	135.98	11,897.95	-437.62	422.95	-421.10	0.00	0.00	0.00
11,925.00	4.27	132.43	11,901.12	-437.79	423.13	-421.26	12.00	-8.42	-111.47
11,950.00	3.13	87.77	11,926.08	-438.39	424.50	-421.81	12.00	-4.54	-178.62
11,975.00	4.41	44.85	11,951.03	-437.68	425.86	-421.05	12.00	5.09	-171.68
12,000.00	6.85	26.67	11,975.91	-435.67	427.21	-418.99	12.00	9.79	-72.71
12,025.00	9.62	18.43	12,000.65	-432.35	428.54	-415.63	12.00	11.06	-32.98
12,050.00	12.49	13.89	12,025.18	-427.74	429.85	-410.97	12.00	11.49	-18.15
12,075.00	15.41	11.04	12,049.44	-421.86	431.13	-405.04	12.00	11.68	-11.41
12,100.00	18.36	9.08	12,073.36	-414.71	432.39	-397.85	12.00	11.78	-7.83
12,125.00	21.32	7.65	12,096.87	-406.31	433.62	-389.41	12.00	11.84	-5.72
12,150.00	24.29	6.55	12,119.92	-396.70	434.81	-379.76	12.00	11.88	-4.38
12,175.00	27.27	5.69	12,142.43	-385.89	435.96	-368.91	12.00	11.90	-3.48
12,200.00	30.25	4.98	12,164.34	-373.91	437.08	-356.90	12.00	11.92	-2.84
12,225.00	33.23	4.38	12,185.60	-360.81	438.15	-343.77	12.00	11.93	-2.37
12,250.00	36.22	3.88	12,206.14	-346.61	439.17	-329.54	12.00	11.94	-2.02
12,275.00	39.20	3.44	12,225.92	-331.35	440.14	-314.25	12.00	11.95	-1.76
12,300.00	42.19	3.05	12,244.87	-315.07	441.06	-297.95	12.00	11.96	-1.54
12,325.00	45.18	2.71	12,262.95	-297.83	441.93	-280.69	12.00	11.96	-1.38
12,350.00	48.18	2.40	12,280.10	-279.66	442.74	-262.50	12.00	11.97	-1.24
12,375.00	51.17	2.11	12,296.27	-260.62	443.49	-243.45	12.00	11.97	-1.13
12,400.00	54.16	1.86	12,311.43	-240.75	444.17	-223.57	12.00	11.97	-1.04
12,425.00	57.15	1.61	12,325.54	-220.12	444.80	-202.93	12.00	11.97	-0.96
12,450.00	60.15	1.39	12,338.54	-198.78	445.36	-181.58	12.00	11.98	-0.90
12,475.00	63.14	1.18	12,350.41	-176.79	445.85	-159.59	12.00	11.98	-0.85
12,500.00	66.14	0.98	12,361.12	-154.21	446.27	-137.01	12.00	11.98	-0.80
12,509.29	67.25	0.91	12,364.79	-145.68	446.41	-128.48	12.00	11.98	-0.78
FTP (Caballo 23 Fed Com #702H)									
12,525.00	69.13	0.79	12,370.63	-131.09	446.63	-113.89	12.00	11.98	-0.76
12,550.00	72.13	0.60	12,378.92	-107.51	446.91	-90.32	12.00	11.98	-0.74
12,575.00	75.12	0.42	12,385.97	-83.53	447.13	-66.35	12.00	11.98	-0.71
12,600.00	78.12	0.25	12,391.75	-59.21	447.27	-42.04	12.00	11.98	-0.69
12,625.00	81.11	0.08	12,396.26	-34.62	447.34	-17.47	12.00	11.98	-0.68
12,650.00	84.11	359.91	12,399.47	-9.83	447.34	7.30	12.00	11.98	-0.67
12,675.00	87.10	359.75	12,401.39	15.09	447.27	32.20	12.00	11.98	-0.66
12,699.17	90.00	359.59	12,402.00	39.25	447.13	56.34	12.00	11.98	-0.66
12,800.00	90.00	359.59	12,402.00	140.08	446.41	157.07	0.00	0.00	0.00
12,900.00	90.00	359.59	12,402.00	240.07	445.69	256.96	0.00	0.00	0.00
13,000.00	90.00	359.59	12,402.00	340.07	444.97	356.86	0.00	0.00	0.00
13,100.00	90.00	359.59	12,402.00	440.07	444.26	456.76	0.00	0.00	0.00
13,200.00	90.00	359.59	12,402.00	540.07	443.54	556.65	0.00	0.00	0.00



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Site: Caballo 23 Fed Corn
Well: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25' @ 3367.00usft
MD Reference: KB = 25' @ 3367.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,300.00	90.00	359.59	12,402.00	640.06	442.83	656.55	0.00	0.00	0.00
13,400.00	90.00	359.59	12,402.00	740.06	442.11	756.45	0.00	0.00	0.00
13,500.00	90.00	359.59	12,402.00	840.06	441.40	856.34	0.00	0.00	0.00
13,600.00	90.00	359.59	12,402.00	940.06	440.68	956.24	0.00	0.00	0.00
13,700.00	90.00	359.59	12,402.00	1,040.05	439.97	1,056.14	0.00	0.00	0.00
13,800.00	90.00	359.59	12,402.00	1,140.05	439.25	1,156.03	0.00	0.00	0.00
13,900.00	90.00	359.59	12,402.00	1,240.05	438.53	1,255.93	0.00	0.00	0.00
14,000.00	90.00	359.59	12,402.00	1,340.05	437.82	1,355.83	0.00	0.00	0.00
14,100.00	90.00	359.59	12,402.00	1,440.04	437.10	1,455.72	0.00	0.00	0.00
14,200.00	90.00	359.59	12,402.00	1,540.04	436.39	1,555.62	0.00	0.00	0.00
14,300.00	90.00	359.59	12,402.00	1,640.04	435.67	1,655.52	0.00	0.00	0.00
14,400.00	90.00	359.59	12,402.00	1,740.04	434.96	1,755.41	0.00	0.00	0.00
14,500.00	90.00	359.59	12,402.00	1,840.03	434.24	1,855.31	0.00	0.00	0.00
14,600.00	90.00	359.59	12,402.00	1,940.03	433.52	1,955.21	0.00	0.00	0.00
14,700.00	90.00	359.59	12,402.00	2,040.03	432.81	2,055.10	0.00	0.00	0.00
14,800.00	90.00	359.59	12,402.00	2,140.03	432.09	2,155.00	0.00	0.00	0.00
14,900.00	90.00	359.59	12,402.00	2,240.02	431.38	2,254.90	0.00	0.00	0.00
15,000.00	90.00	359.59	12,402.00	2,340.02	430.66	2,354.79	0.00	0.00	0.00
15,100.00	90.00	359.59	12,402.00	2,440.02	429.95	2,454.69	0.00	0.00	0.00
15,200.00	90.00	359.59	12,402.00	2,540.01	429.23	2,554.59	0.00	0.00	0.00
15,300.00	90.00	359.59	12,402.00	2,640.01	428.52	2,654.48	0.00	0.00	0.00
15,400.00	90.00	359.59	12,402.00	2,740.01	427.80	2,754.38	0.00	0.00	0.00
15,500.00	90.00	359.59	12,402.00	2,840.01	427.08	2,854.28	0.00	0.00	0.00
15,600.00	90.00	359.59	12,402.00	2,940.00	426.37	2,954.17	0.00	0.00	0.00
15,700.00	90.00	359.59	12,402.00	3,040.00	425.65	3,054.07	0.00	0.00	0.00
15,800.00	90.00	359.59	12,402.00	3,140.00	424.94	3,153.97	0.00	0.00	0.00
15,900.00	90.00	359.59	12,402.00	3,240.00	424.22	3,253.86	0.00	0.00	0.00
16,000.00	90.00	359.59	12,402.00	3,339.99	423.51	3,353.76	0.00	0.00	0.00
16,100.00	90.00	359.59	12,402.00	3,439.99	422.79	3,453.66	0.00	0.00	0.00
16,200.00	90.00	359.59	12,402.00	3,539.99	422.08	3,553.55	0.00	0.00	0.00
16,300.00	90.00	359.59	12,402.00	3,639.99	421.36	3,653.45	0.00	0.00	0.00
16,400.00	90.00	359.59	12,402.00	3,739.98	420.64	3,753.35	0.00	0.00	0.00
16,500.00	90.00	359.59	12,402.00	3,839.98	419.93	3,853.24	0.00	0.00	0.00
16,600.00	90.00	359.59	12,402.00	3,939.98	419.21	3,953.14	0.00	0.00	0.00
16,700.00	90.00	359.59	12,402.00	4,039.98	418.50	4,053.04	0.00	0.00	0.00
16,800.00	90.00	359.59	12,402.00	4,139.97	417.78	4,152.93	0.00	0.00	0.00
16,900.00	90.00	359.59	12,402.00	4,239.97	417.07	4,252.83	0.00	0.00	0.00
17,000.00	90.00	359.59	12,402.00	4,339.97	416.35	4,352.73	0.00	0.00	0.00
17,100.00	90.00	359.59	12,402.00	4,439.97	415.64	4,452.62	0.00	0.00	0.00
17,200.00	90.00	359.59	12,402.00	4,539.96	414.92	4,552.52	0.00	0.00	0.00
17,300.00	90.00	359.59	12,402.00	4,639.96	414.20	4,652.42	0.00	0.00	0.00
17,400.00	90.00	359.59	12,402.00	4,739.96	413.49	4,752.31	0.00	0.00	0.00
17,500.00	90.00	359.59	12,402.00	4,839.96	412.77	4,852.21	0.00	0.00	0.00
17,600.00	90.00	359.59	12,402.00	4,939.95	412.06	4,952.11	0.00	0.00	0.00
17,700.00	90.00	359.59	12,402.00	5,039.95	411.34	5,052.00	0.00	0.00	0.00
17,800.00	90.00	359.59	12,402.00	5,139.95	410.63	5,151.90	0.00	0.00	0.00
17,900.00	90.00	359.59	12,402.00	5,239.95	409.91	5,251.80	0.00	0.00	0.00
18,000.00	90.00	359.59	12,402.00	5,339.94	409.20	5,351.70	0.00	0.00	0.00
18,100.00	90.00	359.59	12,402.00	5,439.94	408.48	5,451.59	0.00	0.00	0.00
18,200.00	90.00	359.59	12,402.00	5,539.94	407.76	5,551.49	0.00	0.00	0.00
18,300.00	90.00	359.59	12,402.00	5,639.94	407.05	5,651.39	0.00	0.00	0.00
18,400.00	90.00	359.59	12,402.00	5,739.93	406.33	5,751.28	0.00	0.00	0.00
18,500.00	90.00	359.59	12,402.00	5,839.93	405.62	5,851.18	0.00	0.00	0.00
18,600.00	90.00	359.59	12,402.00	5,939.93	404.90	5,951.08	0.00	0.00	0.00



EOG Resources, Inc.

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Well: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25' @ 3367.00usft
MD Reference: KB = 25' @ 3367.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,700.00	90.00	359.59	12,402.00	6,039.93	404.19	6,050.97	0.00	0.00	0.00
18,800.00	90.00	359.59	12,402.00	6,139.92	403.47	6,150.87	0.00	0.00	0.00
18,900.00	90.00	359.59	12,402.00	6,239.92	402.75	6,250.77	0.00	0.00	0.00
19,000.00	90.00	359.59	12,402.00	6,339.92	402.04	6,350.66	0.00	0.00	0.00
19,100.00	90.00	359.59	12,402.00	6,439.92	401.32	6,450.56	0.00	0.00	0.00
19,200.00	90.00	359.59	12,402.00	6,539.91	400.61	6,550.46	0.00	0.00	0.00
19,300.00	90.00	359.59	12,402.00	6,639.91	399.89	6,650.35	0.00	0.00	0.00
19,400.00	90.00	359.59	12,402.00	6,739.91	399.18	6,750.25	0.00	0.00	0.00
19,500.00	90.00	359.59	12,402.00	6,839.90	398.46	6,850.15	0.00	0.00	0.00
19,600.00	90.00	359.59	12,402.00	6,939.90	397.75	6,950.04	0.00	0.00	0.00
19,700.00	90.00	359.59	12,402.00	7,039.90	397.03	7,049.94	0.00	0.00	0.00
19,800.00	90.00	359.59	12,402.00	7,139.90	396.31	7,149.84	0.00	0.00	0.00
19,900.00	90.00	359.59	12,402.00	7,239.89	395.60	7,249.73	0.00	0.00	0.00
20,000.00	90.00	359.59	12,402.00	7,339.89	394.88	7,349.63	0.00	0.00	0.00
20,100.00	90.00	359.59	12,402.00	7,439.89	394.17	7,449.53	0.00	0.00	0.00
20,200.00	90.00	359.59	12,402.00	7,539.89	393.45	7,549.42	0.00	0.00	0.00
20,300.00	90.00	359.59	12,402.00	7,639.88	392.74	7,649.32	0.00	0.00	0.00
20,400.00	90.00	359.59	12,402.00	7,739.88	392.02	7,749.22	0.00	0.00	0.00
20,500.00	90.00	359.59	12,402.00	7,839.88	391.31	7,849.11	0.00	0.00	0.00
20,600.00	90.00	359.59	12,402.00	7,939.88	390.59	7,949.01	0.00	0.00	0.00
20,700.00	90.00	359.59	12,402.00	8,039.87	389.87	8,048.91	0.00	0.00	0.00
20,800.00	90.00	359.59	12,402.00	8,139.87	389.16	8,148.80	0.00	0.00	0.00
20,900.00	90.00	359.59	12,402.00	8,239.87	388.44	8,248.70	0.00	0.00	0.00
21,000.00	90.00	359.59	12,402.00	8,339.87	387.73	8,348.60	0.00	0.00	0.00
21,100.00	90.00	359.59	12,402.00	8,439.86	387.01	8,448.49	0.00	0.00	0.00
21,200.00	90.00	359.59	12,402.00	8,539.86	386.30	8,548.39	0.00	0.00	0.00
21,300.00	90.00	359.59	12,402.00	8,639.86	385.58	8,648.29	0.00	0.00	0.00
21,400.00	90.00	359.59	12,402.00	8,739.86	384.87	8,748.18	0.00	0.00	0.00
21,500.00	90.00	359.59	12,402.00	8,839.85	384.15	8,848.08	0.00	0.00	0.00
21,600.00	90.00	359.59	12,402.00	8,939.85	383.43	8,947.98	0.00	0.00	0.00
21,700.00	90.00	359.59	12,402.00	9,039.85	382.72	9,047.87	0.00	0.00	0.00
21,800.00	90.00	359.59	12,402.00	9,139.85	382.00	9,147.77	0.00	0.00	0.00
21,900.00	90.00	359.59	12,402.00	9,239.84	381.29	9,247.67	0.00	0.00	0.00
22,000.00	90.00	359.59	12,402.00	9,339.84	380.57	9,347.56	0.00	0.00	0.00
22,100.00	90.00	359.59	12,402.00	9,439.84	379.86	9,447.46	0.00	0.00	0.00
22,200.00	90.00	359.59	12,402.00	9,539.84	379.14	9,547.36	0.00	0.00	0.00
22,300.00	90.00	359.59	12,402.00	9,639.83	378.43	9,647.25	0.00	0.00	0.00
22,400.00	90.00	359.59	12,402.00	9,739.83	377.71	9,747.15	0.00	0.00	0.00
22,499.17	90.00	359.59	12,402.00	9,839.00	377.00	9,846.22	0.00	0.00	0.00

PBHL (Caballo 23 Fed Com #702H)



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Design: Plan #0.1

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North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
FTP (Caballo 23 Fed Co	0.00	0.00	12,402.00	-161.00	447.00	404,524.00	784,268.00	32.10968516	-103.54873165
- plan misses target center by 40.24usft at 12509.29usft MD (12364.79 TVD, -145.68 N, 446.41 E)									
- Point									
PBHL (Caballo 23 Fed C	0.00	0.00	12,402.00	9,839.00	377.00	414,524.00	784,198.00	32.13717348	-103.54872254
- plan hits target center									
- Point									