

EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Calm Breeze 2Fed Com

#703H

OH

Design: OH

PVA Report

28 August, 2017

HOBBS OCD

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30-025-43647

PVA Report

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Calm Breeze 2Fed Com
Well: #703H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #703H
TVD Reference: KB = 25 @ 3343.0usft
MD Reference: KB = 25 @ 3343.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Calm Breeze 2Fed Com		
Site Position:		Northing:	390,631.00 usft
From: Map		Easting:	743,823.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 17.455 N
		Longitude:	103° 32' 46.296 W
		Grid Convergence:	0.42 "

Well	#703H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty		0.0 usft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	8/2/2016	7.03
			Dip Angle
			59.94
			Field Strength
			47,939.77692244

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
			(°)
			175.50

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Survey Program Date 8/28/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
131.0	990.0	Invictus MWD (Grid Corrected) (OH)	MWD	MWD - Standard
1,057.0	19,770.0	Intrepid MWD (OH)	MWD	MWD - Standard

Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	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
131.0	0.20	153.53	131.0	-0.2	0.1	0.15	0.15	0.00	-0.2	0.0
161.0	0.70	303.53	161.0	-0.2	0.0	2.93	1.67	500.00	0.1	0.1
217.0	0.50	23.53	217.0	0.3	-0.2	1.40	-0.36	142.86	-0.2	0.3
247.0	0.40	284.53	247.0	0.4	-0.3	2.29	-0.33	-330.00	-0.4	-0.3
332.0	0.40	272.53	332.0	0.5	-0.8	0.10	0.00	-14.12	-0.9	-0.5
364.0	0.00	354.53	364.0	0.5	-1.0	1.25	-1.25	0.00	-0.5	1.0
395.0	0.60	34.53	395.0	0.6	-0.9	1.94	1.94	0.00	0.0	1.1
426.0	0.10	321.53	426.0	0.8	-0.8	1.87	-1.61	-235.48	-1.1	0.1
458.0	0.70	327.53	458.0	1.0	-0.9	1.88	1.87	18.75	-1.3	0.2
488.0	0.70	32.53	488.0	1.3	-0.9	2.51	0.00	216.67	-0.6	1.5
520.0	0.90	348.53	520.0	1.7	-0.9	1.96	0.62	-137.50	-1.8	0.5
551.0	0.80	335.53	551.0	2.1	-1.0	0.70	-0.32	-41.94	-2.4	0.0
615.0	0.70	18.53	615.0	2.9	-1.1	0.87	-0.16	67.19	-2.4	1.9
645.0	0.30	41.53	645.0	3.1	-0.9	1.47	-1.33	76.67	-1.7	2.8
732.0	0.60	292.53	732.0	3.5	-1.2	0.87	0.34	-125.29	-2.5	-2.8
800.0	0.70	0.53	800.0	4.0	-1.5	1.08	0.15	100.00	-4.0	1.6
832.0	0.70	296.53	832.0	4.3	-1.7	2.32	0.00	-200.00	-3.5	-3.1
895.0	0.40	7.53	895.0	4.7	-2.0	1.09	-0.48	112.70	-4.4	2.6
926.0	0.10	170.53	926.0	4.8	-2.0	1.60	-0.97	525.81	5.1	-1.2
990.0	0.20	150.53	990.0	4.6	-1.9	0.17	0.16	-31.25	5.0	0.6

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Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
1,057.0	0.40	235.70	1,057.0	4.4	-2.1	0.64	0.30	127.12	0.8	-4.8	
1,242.0	0.60	218.10	1,242.0	3.3	-3.2	0.14	0.11	-9.51	0.6	-4.6	
1,427.0	0.40	249.10	1,427.0	2.3	-4.4	0.18	-0.11	16.76	-3.3	-3.7	
1,614.0	2.90	52.40	1,613.9	4.9	-1.3	1.76	1.34	87.33	-2.0	4.7	
1,800.0	4.40	45.70	1,799.5	12.8	7.6	0.84	0.81	-3.60	-14.2	3.9	
1,989.0	4.20	43.30	1,988.0	22.9	17.5	0.14	-0.11	-1.27	-20.7	3.2	
2,177.0	7.40	42.60	2,175.0	36.8	30.4	1.70	1.70	-0.37	-19.8	3.7	
2,365.0	7.60	42.60	2,361.4	54.9	47.0	0.11	0.11	0.00	-20.6	4.7	
2,552.0	7.30	42.40	2,546.8	72.8	63.4	0.16	-0.16	-0.11	-21.3	5.7	
2,739.0	7.20	44.10	2,732.3	90.0	79.6	0.13	-0.05	0.91	-21.1	7.0	
2,926.0	7.70	45.60	2,917.7	107.1	96.7	0.29	0.27	0.80	-21.6	7.6	
3,114.0	8.60	51.60	3,103.8	124.7	116.7	0.66	0.48	3.19	-23.7	8.4	
3,301.0	7.60	50.30	3,289.0	141.3	137.2	0.54	-0.53	-0.70	-26.8	5.4	
3,488.0	7.40	53.20	3,474.4	156.4	156.3	0.23	-0.11	1.55	-27.5	4.0	
3,675.0	6.70	40.80	3,660.0	171.8	173.1	0.89	-0.37	-6.63	-26.8	-2.8	
3,863.0	6.20	44.10	3,846.8	187.4	187.3	0.33	-0.27	1.76	-24.3	-0.3	
4,050.0	6.00	46.40	4,032.7	201.4	201.4	0.17	-0.11	1.23	-20.6	0.5	
4,238.0	6.70	46.10	4,219.5	215.8	216.4	0.37	0.37	-0.16	-17.6	-0.1	
4,426.0	7.60	52.80	4,406.1	230.9	234.3	0.65	0.48	3.56	-17.3	0.0	
4,614.0	7.30	47.60	4,592.5	246.5	253.0	0.39	-0.16	-2.77	-17.9	-3.8	
4,801.0	7.50	54.80	4,778.0	261.5	271.7	0.51	0.11	3.85	-19.0	-4.1	
4,989.0	6.70	39.30	4,964.5	277.1	288.7	1.10	-0.43	-8.24	-16.4	-9.9	
5,177.0	6.80	39.10	5,151.2	294.2	302.7	0.05	0.05	-0.11	-14.8	-7.5	
5,364.0	7.10	38.30	5,336.8	311.9	316.8	0.17	0.16	-0.43	-13.9	-5.1	
5,551.0	6.50	37.60	5,522.5	329.3	330.4	0.32	-0.32	-0.37	-12.6	-2.4	
5,738.0	7.20	39.50	5,708.2	346.8	344.3	0.39	0.37	1.02	-11.4	0.6	
5,925.0	7.20	40.00	5,893.7	364.8	359.3	0.03	0.00	0.27	-11.4	2.9	

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6,113.0	6.20	38.90	6,080.4	381.7	373.3	0.54	-0.53	-0.59	-9.7	5.0
6,300.0	7.50	43.30	6,266.1	398.5	388.0	0.75	0.70	2.35	-8.0	7.2
6,488.0	7.20	40.60	6,452.6	416.3	404.1	0.24	-0.16	-1.44	-8.7	8.0
6,676.0	7.00	39.80	6,639.1	434.1	419.1	0.12	-0.11	-0.43	-8.4	9.9
6,863.0	5.90	49.00	6,824.9	449.1	433.6	0.81	-0.59	4.92	-4.1	11.3
7,051.0	6.50	49.00	7,011.8	462.5	448.9	0.32	0.32	0.00	-0.7	9.6
7,238.0	5.60	46.70	7,197.8	475.7	463.6	0.50	-0.48	-1.23	2.9	8.5
7,425.0	4.70	44.10	7,384.0	487.4	475.5	0.50	-0.48	-1.39	9.3	8.6
7,612.0	4.80	41.60	7,570.4	498.8	486.1	0.12	0.05	-1.34	12.0	9.7
7,799.0	2.70	52.00	7,757.0	507.3	494.7	1.18	-1.12	5.56	7.9	8.0
7,986.0	1.70	50.80	7,943.8	511.8	500.4	0.54	-0.53	-0.64	0.5	8.1
8,174.0	1.90	40.30	8,131.7	515.9	504.5	0.20	0.11	-5.59	-6.8	7.5
8,342.0	1.40	43.80	8,299.7	519.6	507.8	0.30	-0.30	2.08	-11.2	8.1
8,530.0	0.70	124.50	8,487.7	520.6	510.3	0.78	-0.37	42.93	4.7	14.6
8,717.0	0.90	130.40	8,674.6	519.0	512.3	0.12	0.11	3.16	3.6	14.2
8,904.0	0.80	121.60	8,861.6	517.3	514.6	0.09	-0.05	-4.71	-1.4	14.3
9,092.0	0.70	136.80	9,049.6	515.8	516.5	0.12	-0.05	8.09	0.0	14.5
9,278.0	0.20	7.70	9,235.6	515.3	517.3	0.45	-0.27	-69.41	-10.9	-10.1
9,466.0	0.40	42.10	9,423.6	516.1	517.8	0.14	0.11	18.30	-15.6	-2.0
9,654.0	0.70	19.70	9,611.6	517.7	518.6	0.19	0.16	-11.91	-15.4	-8.0
9,841.0	0.50	48.30	9,798.6	519.3	519.6	0.19	-0.11	15.29	-19.2	0.9
10,029.0	0.20	356.90	9,986.6	520.2	520.2	0.22	-0.16	-27.34	-13.5	-15.1
10,217.0	0.70	148.70	10,174.6	519.5	520.8	0.47	0.27	80.74	3.9	19.8
10,405.0	0.50	341.90	10,362.6	519.3	521.1	0.63	-0.11	-88.72	-8.0	-18.7
10,592.0	1.10	90.50	10,549.5	520.1	522.7	0.72	0.32	58.07	-16.7	14.4
10,779.0	1.90	170.20	10,736.5	517.0	525.0	1.08	0.43	42.62	7.7	20.7
10,966.0	3.00	264.10	10,923.4	513.4	520.6	1.96	0.59	50.21	15.5	-6.0

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11,153.0	1.40	291.60	11,110.2	513.8	513.7	1.00	-0.86	14.71	4.3	-10.2	
11,340.0	1.10	342.20	11,297.2	516.3	511.0	0.59	-0.16	27.06	-8.4	-8.1	
11,528.0	1.70	245.70	11,485.2	516.9	507.9	1.13	0.32	-51.33	6.4	-9.2	
11,686.0	1.80	227.70	11,643.1	514.3	503.9	0.35	0.06	-11.39	4.2	-7.5	
11,848.0	2.10	204.30	11,805.0	509.8	500.8	0.52	0.19	-14.44	1.5	-6.2	
11,942.0	2.00	204.30	11,898.9	506.8	499.4	0.11	-0.11	0.00	-1.8	-6.2	
11,960.5	3.35	195.61	11,917.4	506.0	499.2	7.64	7.34	-47.08	-1.7	-6.5	
KOP (CB 2FC #703H)											
12,035.0	9.00	187.80	11,991.5	498.1	497.8	7.64	7.57	-10.48	-3.1	-7.8	
12,082.0	17.90	187.60	12,037.1	487.3	496.3	18.94	18.94	-0.43	-4.5	-9.2	
12,129.0	24.40	185.30	12,080.9	470.4	494.5	13.94	13.83	-4.89	-7.2	-11.1	
12,176.0	31.30	179.70	12,122.5	448.5	493.6	15.69	14.68	-11.91	-9.9	-12.7	
12,223.0	38.20	175.90	12,161.1	421.8	494.7	15.38	14.68	-8.09	-14.0	-12.6	
12,270.0	44.00	174.50	12,196.5	391.0	497.3	12.49	12.34	-2.98	-19.2	-10.8	
12,317.0	48.20	173.80	12,229.1	357.3	500.8	9.00	8.94	-1.49	-23.9	-7.9	
12,364.0	50.20	173.90	12,259.8	321.9	504.6	4.26	4.26	0.21	-26.3	-4.3	
12,410.0	53.00	174.40	12,288.3	286.1	508.3	6.15	6.09	1.09	-25.9	-0.6	
12,457.0	57.60	175.40	12,315.1	247.6	511.7	9.94	9.79	2.13	-23.6	3.1	
12,502.2	65.36	176.58	12,336.7	208.0	514.5	17.33	17.17	2.61	-21.6	5.9	
HL Crossing, MD:12502.2', TVD:12336.7', N/S:208.0', E/W:514.5', INC:65.36											
12,503.0	65.50	176.60	12,337.0	207.3	514.5	17.33	17.18	2.43	-21.6	6.0	
12,520.4	68.47	176.64	12,343.8	191.3	515.5	17.02	17.02	0.22	-21.3	6.8	
FTP (CB 2FC #703H)											
12,550.0	73.50	176.70	12,353.4	163.4	517.1	17.02	17.02	0.21	-21.3	8.3	
12,597.0	83.90	177.00	12,362.6	117.4	519.6	22.14	22.13	0.64	-23.6	10.7	
12,644.0	90.20	176.80	12,365.0	70.6	522.1	13.41	13.40	-0.43	-28.0	13.0	
12,715.0	90.70	179.20	12,364.5	-0.4	524.6	3.45	0.70	3.38	-30.7	15.0	
12,808.0	89.30	179.60	12,364.5	-93.4	525.6	1.57	-1.51	0.43	-31.2	15.3	

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12,902.0	90.20	179.10	12,364.9	-187.3	526.7	1.10	0.96	-0.53	-31.4	15.6
12,995.0	88.50	178.50	12,366.0	-280.3	528.6	1.94	-1.83	-0.65	-30.9	16.9
13,089.0	87.50	179.50	12,369.2	-374.2	530.2	1.50	-1.06	1.06	-28.2	17.8
13,183.0	89.80	180.90	12,371.4	-468.2	529.9	2.86	2.45	1.49	-26.5	16.8
13,277.0	90.90	181.50	12,370.9	-562.2	527.9	1.33	1.17	0.64	-27.7	14.1
13,370.0	90.40	181.40	12,369.8	-655.1	525.6	0.55	-0.54	-0.11	-29.3	11.1
13,464.0	89.80	181.30	12,369.7	-749.1	523.4	0.65	-0.64	-0.11	-30.0	8.2
13,557.0	90.30	182.10	12,369.6	-842.1	520.6	1.01	0.54	0.86	-30.7	4.7
13,651.0	90.70	182.70	12,368.8	-936.0	516.7	0.77	0.43	0.64	-32.0	0.1
13,745.0	90.10	181.70	12,368.1	-1,029.9	513.1	1.24	-0.64	-1.06	-33.3	-4.2
13,839.0	89.10	181.60	12,368.8	-1,123.9	510.4	1.07	-1.06	-0.11	-33.2	-7.6
13,932.0	88.70	181.80	12,370.5	-1,216.8	507.6	0.48	-0.43	0.22	-32.0	-11.1
14,025.0	89.90	180.60	12,371.7	-1,309.8	505.7	1.82	1.29	-1.29	-31.4	-13.7
14,119.0	90.10	181.10	12,371.7	-1,403.8	504.3	0.57	0.21	0.53	-31.9	-15.8
14,212.0	88.50	180.00	12,372.8	-1,496.8	503.4	2.09	-1.72	-1.18	-31.4	-17.4
14,306.0	90.70	179.50	12,373.5	-1,590.8	503.8	2.40	2.34	-0.53	-31.3	-17.7
14,399.0	91.70	178.30	12,371.5	-1,683.7	505.6	1.68	1.08	-1.29	-33.8	-16.6
14,493.0	91.20	178.00	12,369.1	-1,777.6	508.6	0.62	-0.53	-0.32	-36.7	-14.3
14,586.0	90.80	178.10	12,367.5	-1,870.6	511.8	0.44	-0.43	0.11	-38.9	-11.8
14,680.0	90.00	177.80	12,366.9	-1,964.5	515.1	0.91	-0.85	-0.32	-40.1	-9.1
14,680.9	90.00	177.80	12,366.9	-1,965.4	515.2	0.57	-0.53	0.21	-40.1	-9.1
TGT 1 (CB 2FC #703H)										
14,774.0	89.50	178.00	12,367.3	-2,058.4	518.6	0.57	-0.53	0.21	-40.3	-6.4
14,867.0	87.30	177.50	12,369.9	-2,151.3	522.2	2.43	-2.37	-0.54	-38.3	-3.4
14,961.0	88.10	178.80	12,373.6	-2,245.2	525.3	1.62	0.85	1.38	-35.0	-1.1
15,055.0	89.50	179.20	12,375.6	-2,339.2	526.9	1.55	1.49	0.43	-33.6	-0.1
15,148.0	88.20	178.70	12,377.5	-2,432.1	528.6	1.50	-1.40	-0.54	-32.3	0.9

PVA Report

Company: EOQ Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Calm Breeze 2Fed Com
Well: #703H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #703H
TVD Reference: KB = 25 @ 3343.0usft
MD Reference: KB = 25 @ 3343.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,242.0	89.60	178.90	12,379.3	-2,526.1	530.6	1.50	1.49	0.21	-31.1	2.1
15,336.0	89.10	179.30	12,380.3	-2,620.1	532.0	0.68	-0.53	0.43	-30.6	2.9
15,429.0	88.90	180.10	12,382.0	-2,713.0	532.5	0.89	-0.22	0.86	-29.5	2.7
15,523.0	91.50	179.80	12,381.6	-2,807.0	532.6	2.78	2.77	-0.32	-30.4	2.1
15,617.0	91.50	179.60	12,379.2	-2,901.0	533.1	0.21	0.00	-0.21	-33.4	1.9
15,711.0	90.00	178.60	12,378.0	-2,995.0	534.6	1.92	-1.60	-1.06	-35.2	2.6
15,805.0	88.80	178.10	12,378.9	-3,088.9	537.3	1.38	-1.28	-0.53	-34.8	4.6
15,897.0	88.30	178.30	12,381.3	-3,180.9	540.2	0.59	-0.54	0.22	-33.0	6.8
15,991.0	88.60	178.50	12,383.8	-3,274.8	542.8	0.38	0.32	0.21	-31.1	8.8
16,085.0	88.10	178.30	12,386.5	-3,368.7	545.4	0.57	-0.53	-0.21	-28.9	10.7
16,178.0	87.40	179.20	12,390.2	-3,461.6	547.5	1.23	-0.75	0.97	-25.8	12.0
16,272.0	89.80	181.10	12,392.5	-3,555.6	547.2	3.26	2.55	2.02	-24.1	11.1
16,365.0	90.50	181.60	12,392.2	-3,648.6	545.0	0.92	0.75	0.54	-24.9	8.2
16,458.0	91.20	181.00	12,390.8	-3,741.5	542.9	0.99	0.75	-0.65	-26.8	5.4
16,551.0	89.00	179.30	12,390.7	-3,834.5	542.7	2.99	-2.37	-1.83	-27.5	4.4
16,644.0	92.00	180.50	12,389.9	-3,927.5	542.8	3.47	3.23	1.29	-28.9	3.9
16,685.7	91.42	180.23	12,388.6	-3,969.2	542.6	1.52	-1.38	-0.64	-30.4	3.3
TGT 2 (CB 2FC #703H)										
16,738.0	90.70	179.90	12,387.6	-4,021.5	542.5	1.52	-1.38	-0.64	-31.7	2.9
16,831.0	89.10	180.30	12,387.8	-4,114.5	542.3	1.77	-1.72	0.43	-32.0	2.0
16,926.0	88.00	180.00	12,390.2	-4,209.4	542.1	1.20	-1.16	-0.32	-30.2	1.0
17,019.0	88.80	180.60	12,392.8	-4,302.4	541.6	1.08	0.86	0.65	-28.2	-0.1
17,112.0	88.40	180.50	12,395.1	-4,395.4	540.7	0.44	-0.43	-0.11	-26.4	-1.7
17,206.0	87.60	180.50	12,398.4	-4,489.3	539.9	0.85	-0.85	0.00	-23.7	-3.3
17,300.0	92.60	181.20	12,398.2	-4,583.3	538.5	5.37	5.32	0.74	-24.4	-5.4
17,393.0	91.10	180.40	12,395.2	-4,676.2	537.2	1.83	-1.61	-0.86	-28.0	-7.3
17,487.0	88.00	179.20	12,395.9	-4,770.2	537.5	3.54	-3.30	-1.28	-27.8	-7.7

PVA Report

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Calm Breeze 2Fed Com
 Well: #703H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #703H
 TVD Reference: KB = 25 @ 3343.0usft
 MD Reference: KB = 25 @ 3343.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,581.0	89.00	179.50	12,398.4	-4,864.1	538.6	1.11	1.06	0.32	-25.9	-7.4
17,674.0	89.20	179.10	12,399.9	-4,957.1	539.7	0.48	0.22	-0.43	-25.0	-6.9
17,768.0	91.60	179.30	12,399.2	-5,051.1	541.0	2.56	2.55	0.21	-26.2	-6.3
17,861.0	87.70	177.80	12,399.8	-5,144.0	543.4	4.49	-4.19	-1.61	-26.2	-4.7
17,954.0	86.80	177.50	12,404.2	-5,236.9	547.2	1.02	-0.97	-0.32	-22.3	-1.5
18,048.0	87.60	177.60	12,408.8	-5,330.7	551.2	0.86	0.85	0.11	-18.3	1.8
18,142.0	88.60	177.60	12,411.9	-5,424.5	555.1	1.06	1.06	0.00	-15.7	5.0
18,235.0	88.20	177.90	12,414.5	-5,517.4	558.8	0.54	-0.43	0.32	-13.7	8.0
18,329.0	89.70	178.90	12,416.3	-5,611.4	561.4	1.92	1.60	1.06	-12.6	9.9
18,423.0	91.30	180.10	12,415.4	-5,705.3	562.2	2.13	1.70	1.28	-13.9	10.0
18,516.0	91.80	180.20	12,412.9	-5,798.3	562.0	0.55	0.54	0.11	-17.0	9.1
18,609.0	94.00	180.50	12,408.2	-5,891.2	561.4	2.39	2.37	0.32	-22.3	7.8
18,691.7	91.24	179.52	12,404.4	-5,973.8	561.4	3.54	-3.33	-1.18	-26.6	7.2
TGT 3 (CB 2FC #703H)										
18,702.0	90.90	179.40	12,404.2	-5,984.1	561.5	3.54	-3.33	-1.18	-26.8	7.2
18,796.0	90.10	178.50	12,403.4	-6,078.1	563.2	1.28	-0.85	-0.96	-28.6	8.2
18,890.0	88.70	178.10	12,404.4	-6,172.0	566.0	1.55	-1.49	-0.43	-28.6	10.3
18,983.0	89.30	179.50	12,406.0	-6,265.0	568.0	1.64	0.65	1.51	-27.9	11.6
19,077.0	89.80	180.20	12,406.8	-6,359.0	568.2	0.92	0.53	0.74	-28.1	11.1
19,171.0	90.00	180.90	12,406.9	-6,453.0	567.3	0.77	0.21	0.74	-28.9	9.5
19,264.0	89.40	180.90	12,407.4	-6,546.0	565.9	0.65	-0.65	0.00	-29.4	7.4
19,358.0	89.20	181.80	12,408.6	-6,639.9	563.6	0.98	-0.21	0.96	-29.2	4.4
19,452.0	89.50	182.10	12,409.6	-6,733.9	560.4	0.45	0.32	0.32	-29.1	0.5
19,546.0	88.50	181.00	12,411.3	-6,827.8	557.9	1.58	-1.06	-1.17	-28.4	-2.7
19,640.0	86.10	179.50	12,415.7	-6,921.7	557.5	3.01	-2.55	-1.60	-25.0	-3.8
19,704.0	86.60	179.20	12,419.8	-6,985.6	558.2	0.91	0.78	-0.47	-21.6	-3.6
Final MWD Survey (MD= 19704.0')										

PVA Report

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Calm Breeze 2Fed Com
Well: #703H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #703H
TVD Reference: KB = 25 @ 3343.0usft
MD Reference: KB = 25 @ 3343.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

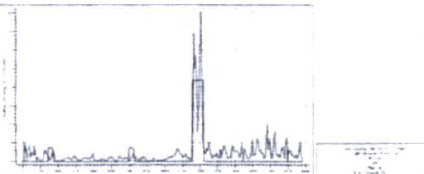
Survey

MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)
19,764.5	86.60	179.20	12,423.4	-7,046.0	559.1	0.00	0.00	0.00	-18.6	-3.2
HL Crossing, MD:19764.5', TVD:12423.4', N/S:-7046.0', E/W:559.1', INC:86.60										
19,767.7	86.60	179.20	12,423.6	-7,049.1	559.1	0.00	0.00	0.00	-18.4	-3.2
LTP (CB 2FC #703H)										
19,770.0	86.60	179.20	12,423.7	-7,051.4	559.1	0.00	0.00	0.00	-18.3	-3.2
Final Bit Projection (MD= 19770.0') - PBHL (CB 2FC #703H)										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,502.2	12,336.7	208.0	514.5	HL Crossing, MD 12502.2', TVD 12336.7', N/S 208.0', E/W 514.5', INC 65.36
19,704.0	12,419.8	-6,985.6	558.2	Final MWD Survey (MD= 19704.0')
19,764.5	12,423.4	-7,046.0	559.1	HL Crossing, MD 19764.5', TVD 12423.4', N/S -7046.0', E/W 559.1', INC 86.60
19,770.0	12,423.7	-7,051.4	559.1	Final Bit Projection (MD= 19770.0')

Checked By: _____ Approved By: _____ Date: _____



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 30-025- 43647	² Pool Code 98094	³ Pool Name WC-025 G-09 S253336D; Upper Wolfcamp
⁴ Property Code 317458	⁵ Property Name CALM BREEZE 2 FED COM	⁶ Well Number #703H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3318'

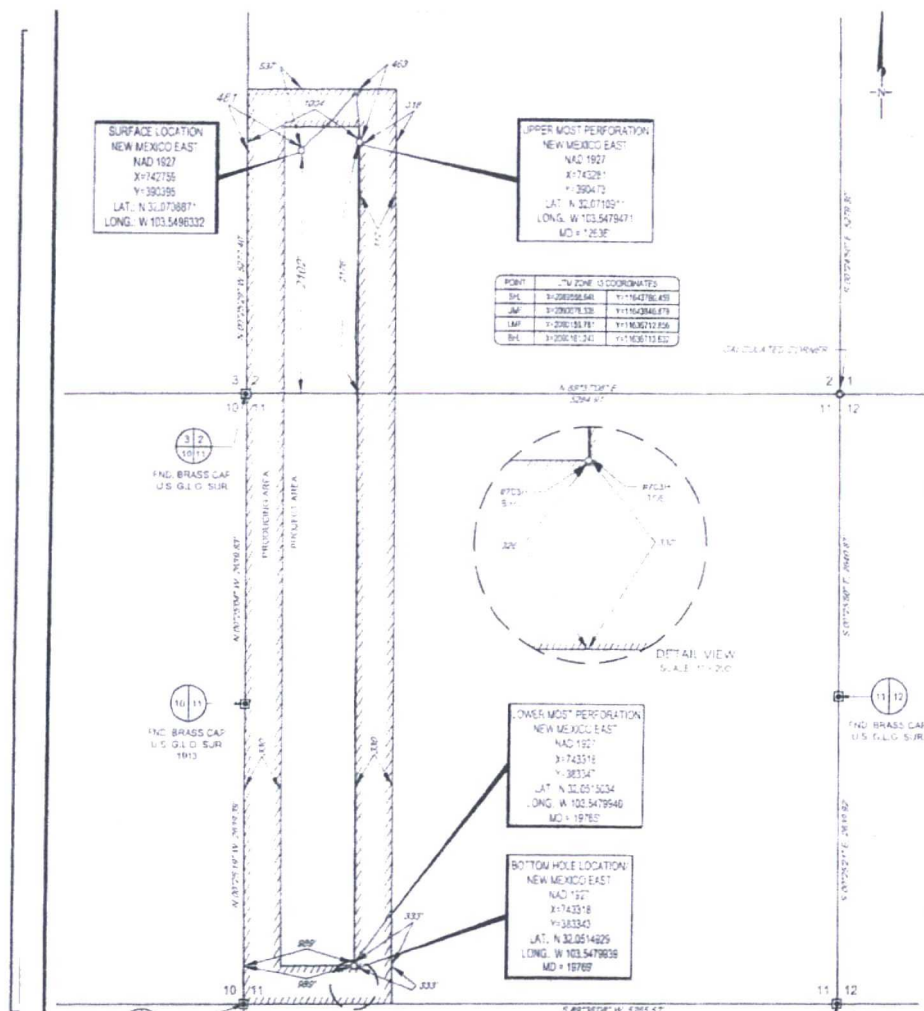
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	2	26-S	33-E	-	2102'	SOUTH	481'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	11	26-S	33-E	-	326'	SOUTH	989'	WEST	LEA

¹² Dedicated Acres 240.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unconsolidated mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Kay Maddox Date: 10/31/2017

Printed Name: KAY MADDOX

E-mail Address: Kay.maddox@egresources.com

18 SURVEYOR CERTIFICATION

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

Date of Survey: 10/31/2017

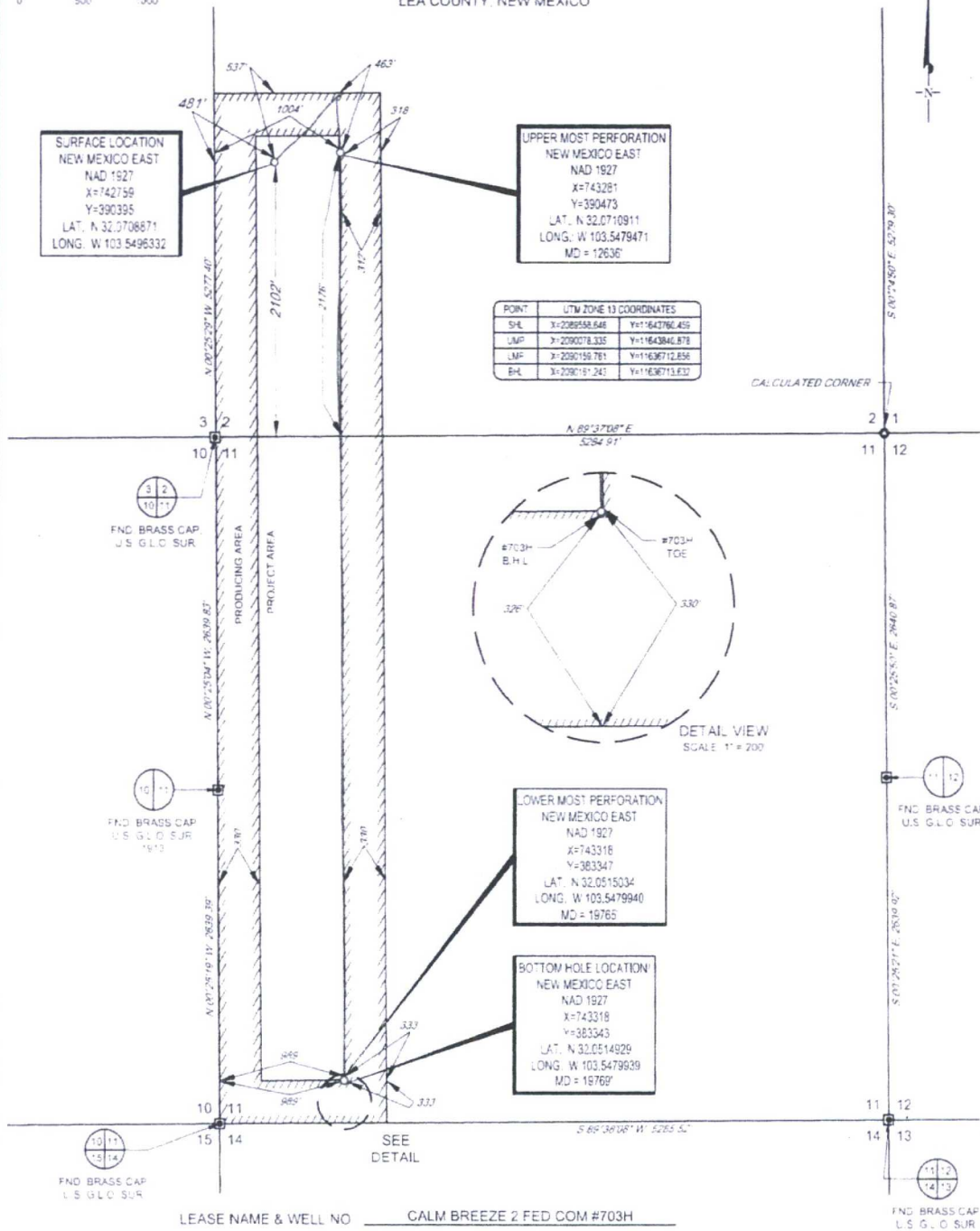
Signature and Seal of Professional Surveyor: [Signature]

Certificate Number: 18329

Professional Surveyor Seal: MACCHARD 12018, NEW MEXICO, 18329, PROFESSIONAL SURVEYOR

SCALE 1" = 1000'
0 500 1000

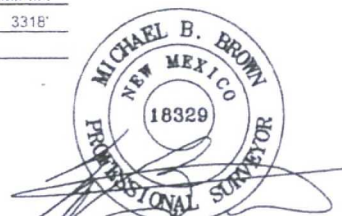
SECTIONS 2 & 11, TOWNSHIP 26-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO. CALM BREEZE 2 FED COM #703H
SECTION 2 TWP 26-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3318'
DESCRIPTION 2102' FSL & 481' FWL



1400 EVERMAN PARKWAY, Ste 197 • FT. WORTH, TEXAS 76142
TELEPHONE (817) 744-7511 • FAX (817) 744-7548
2963 NORTH BIG SPRING • MIDLAND, TEXAS 79703
TELEPHONE (432) 682-1533 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
OCTOBER 30, 2017



CALM BREEZE 2 FED COM #703H AS-COMPLETED	REVISION
DATE	10/30/17
FILE:AD_CALMBREEZE_2_FED_COM_703H	
DRAWN BY	A.M.D.
SHEET	1 OF 1

- NOTES
1. ORIGINAL DOCUMENT SIZE: 8.5" x 14"
 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM (EAST ZONE), U.S. SURVEY FEET, NORTH AMERICAN DATUM 1927.
 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.

C:\SURVEYING\MOCKING\CALM BREEZE_2_FED_COM_FWL_PRODUCING\CALM BREEZE_2_FED_COM_703H.DWG 10/30/17 2:54:16 PM

Bureau of Land Management

Hobbs Field Office

414 W. Taylor

Hobbs, New Mexico

505.393.3612

WATER PRODUCTION & DISPOSAL INFORMATION

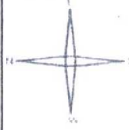
Well: CALM BREEZE 2 FEDERAL COM #703H

NWSW Sec 2 T26S, R33E

30-025-43647

1. Name of formations producing water on lease: WOLFCAMP
2. Amount of water produced from all formations in barrels per day 5000-7500 BWPD
3. How water is stored on lease Tanks 4-400 bbl tanks
4. How water is moved to disposal facility Pipeline/Trucked
5. Disposal Facility:
 - a. Facility Operators name EOG RESOURCES, INC
 - b. Name of facility or well name & number
Endurance 25 Federal #2
30-025-41067
E-25-26S-33E
Permit No 1424-0

Type of facility or wells WDW



EOG Resources, Inc.
Calm Breeze 2 Fed Com CTB
02-26S-33E

10/13/17

LEGEND

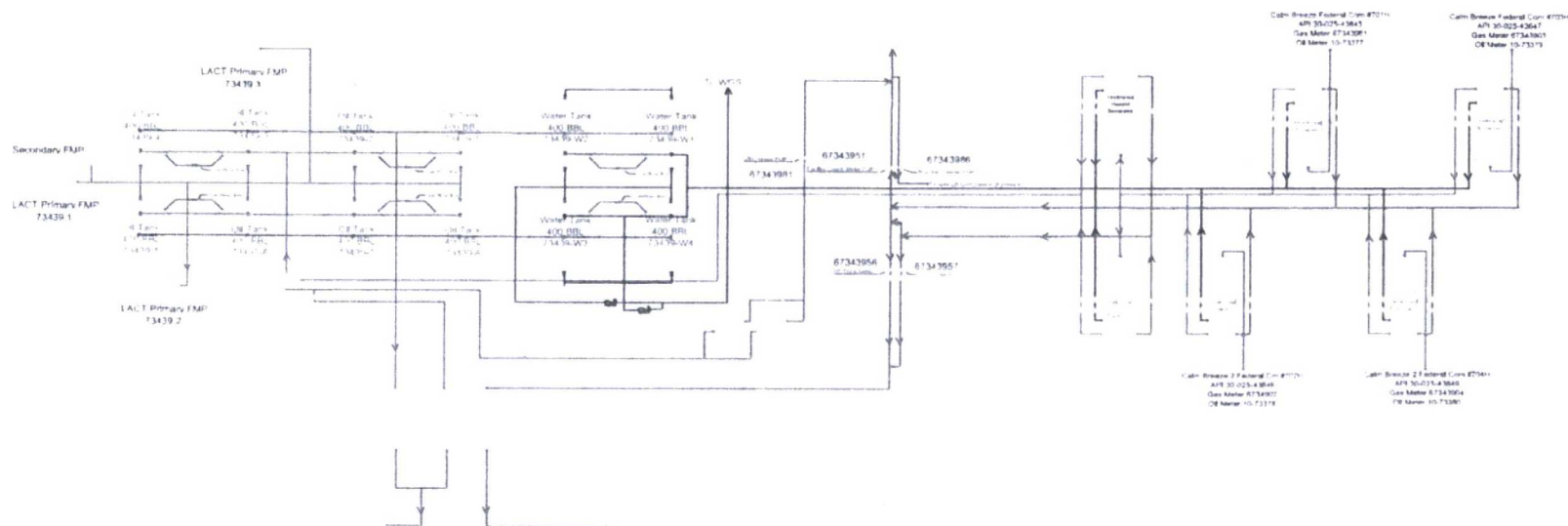
Valve Open	Turbine/ Coriolis Meter
Valve Closed	— Oil
S Valve Sealed	— Gas
Orifice Meter	— Water

FACILITY DIAGRAM
 Shown: Major equipment, vessels, process piping, and valves.
 Not shown: Auxiliary process systems such as fuel/ pilot gas system, gas lift system, roll lines, recirculating lines, vent lines, and small drain lines.

PRODUCTION PHASE: All valves that provide access to production are effectively sealed in the closed position.

SALES THROUGH LACT UNITS: Sale is measured through LACT units. All other valves that provide access to production (load-out valves) are effectively sealed in the closed position.

WATER TANKS: If the possibility for oil to enter water tanks exists through common recirculating or equalizing lines, oil tanks are isolated from water tanks by valves effectively sealed in the closed position.



Facility Overview: Please see pages 2 and 3 for details.

