



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Quijote 2 State Com

#711H

OH

Design: OH

Midland PVA

02 December, 2019

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Midland PVA

Company: EOG Resources - Midland Project: Lea County, NM (NAD 83 NME) Site: Quijote 2 State Com Well: #711H Wellbore: OH Design: OH		Local Co-ordinate Reference: Well #711H TVD Reference: KB = 25 @ 3367.0usft MD Reference: KB = 25 @ 3367.0usft North Reference: Grid Survey Calculation Method: Minimum Curvature Database: EDM													
Project Lea County, NM (NAD 83 NME)															
Map System: US State Plane 1983 Geo Datum: North American Datum 1983 Map Zone: New Mexico Eastern Zone		System Datum: Mean Sea Level													
Site Quijote 2 State Com															
Site Position: From: Map Position Uncertainty: 0.0 usft		Northing: 393,066.89 usft Easting: 756,153.00 usft Slot Radius: 13-3/16 " Latitude: 32° 4' 43.401 N Longitude: 103° 38' 23.163 W Grid Convergence: 0.37 °													
Well #711H															
Well Position +N-S 0.0 usft +E-W 0.0 usft Position Uncertainty 0.0 usft		Northing: 393,128.00 usft Easting: 756,279.00 usft Wellhead Elevation: usft Latitude: 32° 4' 43.997 N Longitude: 103° 38' 21.694 W Ground Level: 3,342.0 usft													
Wellbore OH															
<table border="1"> <thead> <tr> <th>Magnetics</th> <th>Model Name</th> <th>Sample Date</th> <th>Declination (°)</th> <th>Dip Angle (°)</th> <th>Field Strength (nT)</th> </tr> </thead> <tbody> <tr> <td></td> <td>IGRF2015</td> <td>5/29/2019</td> <td>6.76</td> <td>59.89</td> <td>47,645.49753820</td> </tr> </tbody> </table>				Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)		IGRF2015	5/29/2019	6.76	59.89	47,645.49753820
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)										
	IGRF2015	5/29/2019	6.76	59.89	47,645.49753820										
Design OH															
Audit Notes: Version: 1.0 Phase: ACTUAL Tie On Depth: 0.0															
Vertical Section: <table border="1"> <thead> <tr> <th>Depth From (TVD) (usft)</th> <th>+N-S (usft)</th> <th>+E-W (usft)</th> <th>Direction (°)</th> </tr> </thead> <tbody> <tr> <td>0.0</td> <td>0.0</td> <td>0.0</td> <td>174.71</td> </tr> </tbody> </table>				Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	0.0	0.0	0.0	174.71				
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Survey Program Date 8/5/2019															
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139.0	17,383.0	Gyrodata MWD (OH)	MWD	OWSG MWD - Standard											



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #711H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3387.0usft
Site:	Quijote 2 State Com	MD Reference:	KB = 25 @ 3387.0usft
Well:	#711H	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	0.0
139.0	1.10	109.70	139.0	-0.4	1.3	0.79	0.79	0.00	-1.3	0.0	
332.0	3.40	355.90	331.9	4.6	2.6	2.06	1.19	-58.96	-4.4	-2.9	
511.0	1.70	267.60	510.7	9.8	-0.4	2.10	-0.95	-49.33	0.0	-9.8	
700.0	1.60	139.90	699.7	7.7	-1.5	1.57	-0.05	-67.57	6.9	3.8	
892.0	2.00	98.30	891.6	5.2	3.5	0.69	0.21	-21.67	-2.7	5.6	
963.0	1.50	93.20	962.6	4.9	5.7	0.74	-0.70	-7.18	-5.4	5.2	
1,163.0	1.70	88.30	1,162.5	4.9	11.2	0.12	0.10	-2.45	-11.4	4.5	
1,357.0	3.60	67.30	1,356.3	7.3	19.7	1.08	0.88	-10.82	-16.9	-2.2	
1,549.0	6.80	53.90	1,547.5	16.3	34.5	1.77	1.67	-6.88	-16.7	-8.7	
1,741.0	6.70	57.20	1,738.2	29.1	53.1	0.21	-0.05	1.72	-19.8	-9.8	
1,933.0	7.50	42.50	1,928.7	44.4	71.0	1.03	0.42	-7.66	-20.2	-14.9	
2,125.0	7.50	43.30	2,119.1	62.8	88.0	0.05	0.00	0.42	-25.5	-12.3	
2,317.0	7.30	45.70	2,309.5	80.4	105.3	0.19	-0.10	1.25	-30.7	-9.3	
2,508.0	6.90	47.30	2,499.0	96.6	122.5	0.23	-0.21	0.84	-34.6	-7.4	
2,700.0	6.40	50.50	2,689.7	111.3	139.2	0.32	-0.26	1.67	-37.1	-5.2	
2,892.0	5.50	51.00	2,880.7	123.9	154.6	0.47	-0.47	0.26	-37.0	-5.3	
3,084.0	5.00	48.30	3,071.9	135.2	168.0	0.29	-0.26	-1.41	-34.2	-7.0	
3,276.0	6.70	58.80	3,262.9	146.6	183.8	1.04	0.89	5.47	-34.5	-2.4	
3,467.0	7.60	64.00	3,452.4	157.9	204.7	0.58	0.47	2.72	-39.0	-3.3	
3,659.0	7.70	55.10	3,642.7	170.8	226.7	0.62	0.05	-4.64	-43.5	-13.2	
3,850.0	6.50	50.80	3,832.2	185.0	245.5	0.69	-0.63	-2.25	-46.0	-17.8	
4,043.0	5.80	51.90	4,024.1	197.9	261.7	0.37	-0.36	0.57	-46.9	-17.5	
4,234.0	5.40	74.70	4,214.2	206.2	277.9	1.18	-0.21	11.94	-49.8	-2.9	
4,426.0	4.90	99.30	4,405.5	207.3	294.8	1.17	-0.26	12.81	-49.9	6.5	
4,618.0	2.00	116.80	4,597.1	204.5	305.8	1.59	-1.51	9.11	-49.0	5.2	
4,810.0	0.60	142.50	4,789.0	202.2	309.4	0.77	-0.73	13.39	-47.0	7.4	



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
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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)	
5,001.0	1.10	19.30	4,980.0	203.1	310.7	0.79	0.26	-64.50	34.3	-34.9	
5,193.0	1.30	16.20	5,172.0	206.9	311.9	0.11	0.10	-1.61	38.5	-28.8	
5,385.0	1.50	14.50	5,363.9	211.4	313.1	0.11	0.10	-0.89	34.7	-27.7	
5,577.0	1.30	5.10	5,555.9	216.0	313.9	0.16	-0.10	-4.90	34.1	-22.1	
5,768.0	1.30	5.50	5,746.8	220.4	314.3	0.00	0.00	0.21	29.6	-22.3	
5,960.0	1.50	359.60	5,938.8	225.0	314.5	0.13	0.10	-3.07	27.1	-19.3	
6,152.0	1.40	348.80	6,130.7	229.9	314.1	0.15	-0.05	-5.62	25.4	-14.4	
6,343.0	1.30	349.50	6,321.7	234.3	313.2	0.05	-0.05	0.37	20.7	-14.7	
6,536.0	1.30	345.20	6,514.6	238.5	312.2	0.05	0.00	-2.23	17.4	-13.2	
6,728.0	1.00	329.50	6,706.6	242.1	310.8	0.23	-0.16	-8.18	16.6	-8.6	
6,920.0	0.90	302.00	6,898.5	244.3	308.7	0.24	-0.05	-14.32	15.7	-0.8	
7,112.0	1.00	288.60	7,090.5	245.7	305.8	0.13	0.05	-6.98	12.3	2.5	
7,303.0	1.10	269.20	7,281.5	246.2	302.4	0.19	0.05	-10.16	7.4	5.9	
7,495.0	1.70	277.40	7,473.4	246.5	297.8	0.33	0.31	4.27	3.4	5.1	
7,599.6	1.72	264.58	7,578.0	246.6	294.7	0.37	0.02	-12.25	-0.8	5.4	
Brushy Top(Quijote 2 State Com #711H)											
7,687.0	1.80	254.50	7,665.3	246.1	292.0	0.37	0.09	-11.54	-4.4	4.9	
7,878.0	1.80	250.10	7,856.2	244.3	288.3	0.07	0.00	-2.30	-10.8	4.3	
8,070.0	2.00	237.80	8,048.1	241.4	280.7	0.23	0.10	-6.35	-17.8	1.3	
8,262.0	1.90	238.30	8,240.0	238.0	275.1	0.05	-0.05	0.21	-24.3	1.5	
8,453.0	2.20	229.30	8,430.9	233.9	269.6	0.23	0.16	-4.71	-31.0	-2.9	
8,645.0	2.40	229.80	8,622.7	228.9	263.8	0.10	0.10	0.26	-38.7	-2.6	
8,837.0	2.30	224.30	8,814.6	223.6	258.0	0.13	-0.05	-2.86	-46.2	-6.6	
9,029.0	1.70	285.70	9,006.5	221.6	252.6	1.10	-0.31	31.88	-32.6	40.7	
9,220.0	1.70	294.40	9,197.4	223.5	247.3	0.13	0.00	4.55	-31.7	45.6	
9,412.0	1.20	274.60	9,389.3	224.9	242.7	0.37	-0.26	-10.31	-50.0	31.2	
9,604.0	0.70	267.80	9,581.3	225.0	239.5	0.27	-0.26	-3.54	-56.5	24.9	



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Survey											
MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
9,796.0	1.70	263.20	9,773.3	224.6	235.5	0.52	0.52	-2.40	-62.3	20.2	
9,968.0	2.00	1.90	9,965.2	227.6	232.8	1.47	0.16	51.41	26.4	61.4	
10,179.0	1.10	0.70	10,156.1	232.8	232.9	0.47	-0.47	-0.63	20.0	61.9	
10,370.0	0.40	172.90	10,347.1	234.0	233.0	0.78	-0.37	90.16	-10.2	-63.7	
10,561.0	2.20	170.40	10,538.1	229.7	233.7	0.94	0.94	-1.31	-11.8	-64.2	
10,753.0	3.60	199.50	10,729.8	220.4	232.3	1.04	0.73	15.16	-50.7	-48.6	
10,944.0	1.50	226.90	10,920.6	213.0	228.5	1.24	-1.10	14.35	-75.2	-17.0	
11,136.0	1.10	192.10	11,112.6	209.5	226.3	0.45	-0.21	-18.12	-58.0	-58.3	
11,328.0	2.10	233.80	11,304.5	205.6	223.0	0.77	0.52	21.72	-85.5	-5.1	
11,508.9	2.86	240.05	11,485.2	201.4	216.5	0.44	0.42	3.45	-93.3	4.6	
FTP Crossing, MD:11508.9', TVD:11485.2', N/S:201.4', EW:216.5', INC:2.86											
11,519.0	2.90	240.30	11,495.3	201.1	216.0	0.44	0.43	2.50	-93.8	5.0	
11,584.0	3.20	243.60	11,560.2	199.5	213.0	0.53	0.46	5.08	-96.8	10.5	
11,748.0	3.43	232.45	11,724.0	194.5	205.0	0.42	0.14	-6.80	-106.4	-9.3	
11,823.0	2.83	211.49	11,798.9	191.6	202.2	1.71	-0.80	-27.95	-100.0	-47.6	
11,875.0	2.67	204.79	11,850.8	189.4	201.0	0.69	-0.30	-12.89	-96.2	-59.1	
KOP, MD:11875.0', TVD:11850.8', N/S:189.4', EW:201.0', INC:2.67											
11,900.0	2.61	201.30	11,875.8	188.3	200.6	0.69	-0.25	-13.95	-93.6	-64.9	
11,939.0	2.86	197.27	11,914.7	186.5	200.0	0.81	0.64	-10.33	-89.2	-71.9	
11,971.0	4.53	191.95	11,946.7	184.5	199.5	5.32	5.22	-16.62	-80.3	-81.0	
12,004.0	5.94	185.58	11,979.5	181.6	199.0	4.62	4.27	-19.30	-67.0	-90.5	
12,035.0	7.80	180.21	12,010.3	177.9	198.9	6.34	6.00	-17.32	-53.3	-96.9	
12,064.0	12.20	171.34	12,058.5	169.4	199.7	9.49	8.98	-18.10	-28.7	-102.2	
12,131.0	18.17	168.08	12,103.9	157.3	201.9	12.83	12.70	-6.94	-14.2	-99.9	
12,169.0	20.19	171.12	12,139.8	145.1	204.2	5.93	5.32	8.00	-10.6	-96.2	
12,227.0	23.86	173.09	12,193.5	123.5	207.1	6.45	6.33	3.40	1.9	-92.0	
12,274.0	32.88	177.62	12,234.9	101.3	208.8	19.72	19.19	9.64	7.7	-90.8	



Midland PVA

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
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12,313.7	40.46	175.80	12,266.6	77.6	210.2	19.31	19.12	-4.60	18.5	-89.8	
FTP(Quijote 2 State Com #711H)											
12,323.0	42.25	175.45	12,273.7	71.5	210.7	19.31	19.15	-3.72	20.6	-89.3	
12,359.0	48.98	171.41	12,298.8	46.0	213.6	20.33	18.69	-11.22	30.1	-85.7	
12,419.0	59.84	169.68	12,333.7	-2.1	221.7	18.25	18.10	-2.88	35.8	-78.7	
12,469.0	69.81	168.69	12,354.9	-46.5	230.2	20.02	19.94	-1.88	35.9	-72.0	
12,515.0	77.23	170.08	12,368.0	-89.8	238.3	16.39	16.13	3.02	32.4	-66.3	
12,545.0	84.10	167.74	12,372.8	-118.8	244.0	24.16	22.80	-7.80	29.3	-61.9	
12,611.0	90.28	164.26	12,376.1	-182.7	259.9	10.74	9.36	-5.27	21.6	-48.4	
12,707.0	93.34	170.90	12,373.0	-276.4	280.6	7.61	3.19	6.82	16.1	-31.0	
12,803.0	92.95	175.44	12,367.8	-371.5	292.0	4.74	-0.41	4.73	11.3	-22.6	
12,899.0	91.13	176.48	12,364.4	-467.2	298.7	2.18	-1.90	1.08	8.2	-18.8	
12,995.0	89.75	176.88	12,363.6	-563.1	304.3	1.50	-1.44	0.42	7.8	-16.3	
13,090.0	90.68	177.14	12,363.3	-657.9	309.2	1.02	0.98	0.27	7.8	-14.3	
13,185.0	90.82	177.18	12,362.0	-752.8	313.9	0.15	0.15	0.04	6.8	-12.6	
13,281.0	92.26	177.73	12,359.4	-848.7	318.2	1.61	1.50	0.57	4.6	-11.3	
13,377.0	91.84	179.28	12,356.0	-944.6	320.7	1.67	-0.44	1.61	1.5	-11.8	
13,473.0	89.38	178.51	12,355.0	-1,040.5	322.6	2.69	-2.56	-0.80	0.8	-13.0	
13,569.0	89.82	179.86	12,355.6	-1,136.5	323.9	1.51	0.56	1.41	1.7	-14.6	
13,665.0	90.06	179.27	12,355.6	-1,232.5	324.7	0.63	0.15	-0.61	2.0	-16.9	
13,761.0	88.87	176.50	12,356.5	-1,328.4	328.2	3.14	-1.24	-2.89	3.3	-16.4	
13,857.0	89.55	176.13	12,357.8	-1,424.2	334.4	0.81	0.71	-0.39	4.9	-13.2	
13,953.0	90.14	175.69	12,358.1	-1,520.0	341.2	0.77	0.61	-0.46	5.5	-9.3	
14,049.0	92.35	177.71	12,356.0	-1,615.8	346.7	3.12	2.30	2.10	3.7	-6.8	
14,144.0	89.82	178.07	12,354.1	-1,710.7	350.2	2.59	-2.56	0.38	2.2	-6.3	
14,240.0	87.82	176.57	12,356.0	-1,806.6	354.7	2.69	-2.19	-1.56	4.4	-4.8	
14,336.0	87.09	176.36	12,360.2	-1,902.3	360.6	0.79	-0.76	-0.22	9.0	-1.9	



Midland PVA

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
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14,408.1	87.26	176.30	12,363.8	-1,974.1	365.2	0.24	0.23	-0.08	12.8	0.4
TGT#1(Quijote 2 State Com #711H)										
14,432.0	87.31	176.28	12,364.9	-1,898.0	366.8	0.24	0.23	-0.08	14.1	1.2
14,528.0	90.93	176.85	12,366.4	-2,093.8	372.5	3.82	3.77	0.59	16.2	4.0
14,624.0	91.92	176.44	12,364.0	-2,189.8	378.2	1.12	1.03	-0.43	14.4	6.6
14,719.0	92.75	176.39	12,360.2	-2,284.3	384.1	0.88	0.87	-0.05	11.2	9.5
14,815.0	89.92	176.78	12,357.9	-2,380.2	388.1	3.86	-2.95	2.49	9.5	10.6
14,911.0	89.77	176.65	12,358.2	-2,476.2	390.3	0.21	-0.16	-0.14	10.4	9.7
15,007.0	90.88	179.58	12,357.6	-2,572.2	391.8	1.51	1.16	0.97	10.5	8.2
15,103.0	89.26	177.00	12,357.5	-2,668.1	394.6	3.17	-1.69	-2.69	11.0	8.1
15,199.0	89.97	176.25	12,358.2	-2,763.9	400.3	1.08	0.74	-0.78	12.3	10.7
15,295.0	90.46	176.92	12,357.8	-2,859.8	406.0	0.86	0.51	0.70	12.5	13.4
15,391.0	94.02	177.23	12,354.0	-2,955.5	410.9	3.72	3.71	0.32	9.4	15.3
15,486.0	90.37	180.08	12,350.4	-3,050.4	413.1	4.87	-3.84	3.00	6.4	14.6
15,582.0	89.83	180.36	12,350.2	-3,146.4	412.8	0.63	-0.56	0.29	6.8	11.2
15,678.0	90.08	180.18	12,350.3	-3,242.4	412.3	0.32	0.26	-0.19	7.5	7.7
15,774.0	91.30	179.42	12,349.2	-3,338.4	412.6	1.50	1.27	-0.79	7.0	5.0
15,870.0	86.18	177.61	12,351.3	-3,434.3	415.1	5.86	-5.33	-1.89	9.7	4.5
15,966.0	84.81	176.59	12,358.8	-3,529.9	420.0	1.78	-1.43	-1.06	17.9	6.4
16,062.0	91.19	175.21	12,362.2	-3,625.5	426.8	6.80	6.65	-1.44	21.9	10.2
16,158.0	91.78	174.93	12,359.7	-3,721.2	435.1	0.68	0.61	-0.29	20.0	15.4
16,253.0	90.82	175.17	12,357.5	-3,815.8	443.3	1.04	-1.01	0.25	18.5	20.7
16,349.0	89.32	177.44	12,357.4	-3,911.8	449.4	2.83	-1.56	2.36	19.0	23.9
16,414.1	89.61	178.59	12,358.0	-3,976.6	451.7	1.82	0.45	1.76	20.0	24.1
TGT#2(Quijote 2 State Com #711H)										
16,445.0	89.75	179.13	12,358.2	-4,007.5	452.3	1.82	0.45	1.76	20.5	23.7
16,541.0	89.55	177.44	12,358.8	-4,103.5	455.2	1.77	-0.21	-1.76	22.1	23.6



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #711H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3387.0usft
Site:	Quijote 2 State Com	MD Reference:	KB = 25 @ 3387.0usft
Well:	#711H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)
16,637.0	90.91	179.93	12,358.4	-4,199.4	457.4	2.96	1.42	2.59	22.7	22.8
16,732.0	89.63	178.81	12,357.9	-4,294.4	458.4	1.79	-1.35	-1.18	23.2	20.9
16,828.0	90.06	178.42	12,358.2	-4,390.4	460.8	0.60	0.45	-0.41	24.4	20.2
16,924.0	89.29	178.37	12,358.7	-4,486.3	463.4	0.80	-0.80	-0.05	26.0	19.9
17,020.0	87.93	176.07	12,361.1	-4,582.2	468.1	2.78	-1.42	-2.40	29.3	21.5
17,116.0	91.30	175.67	12,361.7	-4,677.9	475.0	3.54	3.51	-0.42	31.0	25.4
17,212.0	89.35	174.92	12,361.2	-4,773.6	482.9	2.18	-2.03	-0.78	31.4	30.3
17,307.0	89.80	174.57	12,361.9	-4,868.2	491.6	0.60	0.47	-0.37	33.1	36.0
17,323.0	89.75	174.41	12,361.9	-4,884.1	493.1	1.05	-0.31	-1.00	33.3	37.0
FTP Crossing, MD:17323.0', TVD:12361.9', N/S:-4884.1', E/W:493.1', INC:89.75										
17,381.0	89.75	174.41	12,362.2	-4,941.9	498.8	0.00	0.00	0.00	34.2	40.8
PBHL(Quijote 2 State Com #711H)										
17,383.0	89.75	174.41	12,362.2	-4,943.8	499.0	0.00	0.00	0.00	34.2	41.0

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,508.8	11,485.2	201.4	216.5	FTP Crossing, MD:11508.8', TVD:11485.2', N/S:201.4', E/W:216.5', INC:2.86
11,875.0	11,850.8	189.4	201.0	KOP, MD:11875.0', TVD:11850.8', N/S:189.4', E/W:201.0', INC:2.87
17,323.0	12,361.9	-4,884.1	493.1	FTP Crossing, MD:17323.0', TVD:12361.9', N/S:-4884.1', E/W:493.1', INC:89.75
17,383.0	12,362.2	-4,943.8	499.0	Projection to Bit (MD=17383.0')

Checked By: _____ Approved By: _____ Date: _____

I certify this survey to be true and correct to the best of my belief and knowledge.

Signed Kay Maddox Date 03/02/2020



Lea County, NM (NAD 83 NME)

Quijote 2 State Com #711H

Plan #1

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: #711H

KB = 25 @ 3367.0ush
Northing 383128.00 Easting 758279.00 Longitude 103° 36' 21.654 W
3342.0

Azimuths to Grid North
True North: 0.37°
Magnetic North: 0.39°

Magnetic Field
Strength: 4764.5nT
Dip Angle: 69.69°
Date: 6/29/2019
Model: IGRF2019

To convert a Magnetic Direction to a Grid Direction, Add 0.39°
To convert a Magnetic Direction to a True Direction, Add 0.78° East
To convert a True Direction to a Grid Direction, Subtract 0.37°

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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1500.1	6.00	49.49	1499.6	10.2	11.9	2.00	49.49	-9.1	
4	4909.6	6.00	49.49	4890.4	241.8	283.1	0.00	0.00	-214.7	
5	5209.8	0.00	0.00	5190.0	252.0	295.0	2.00	180.00	-223.7	
6	11899.3	0.00	0.00	11879.5	252.0	295.0	0.00	0.00	-223.7	
7	12550.9	90.20	178.20	12357.0	-226.9	310.0	12.00	178.20	254.5	
8	14399.7	90.20	178.20	12351.0	-1974.8	364.8	0.00	0.00	2000.0	TGT#1(Quijote 2 State Com #711H)
9	14408.6	90.37	178.20	12351.0	-1983.6	365.1	2.00	0.00	2008.8	
10	16403.5	90.37	178.20	12338.0	-3977.5	427.6	0.00	0.00	4000.0	TGT#2(Quijote 2 State Com #711H)
11	16414.5	90.59	178.20	12337.9	-3988.5	428.0	2.00	0.00	4011.0	
12	17372.5	90.59	178.20	12328.0	-4946.0	458.0	0.00	0.00	4967.2	PBHL(Quijote 2 State Com #711H)

CASINO DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
TGT#1(Quijote 2 State Com #711H)	12351.0	-1974.8	364.8	391163.20	708643.83
TGT#2(Quijote 2 State Com #711H)	12338.0	-3977.5	427.6	389140.50	708704.63
PBHL(Quijote 2 State Com #711H)	12328.0	-4946.0	458.0	388182.00	708737.00
Brushy Top(Quijote 2 State Com #711H)	7878.0	252.0	295.0	383380.00	708574.00
FTPL(Quijote 2 State Com #711H)	12358.0	202.0	295.0	383230.00	708574.00

