

HOBBS OCD
SEP 20 2019
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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dillon 31 Fed Com

#705H

OH

Design: OH

Midland PVA

10 July, 2019



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Dillon 31 Fed Com
 Well: #705H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #705H
 TVD Reference: KB = 25' @ 3457.0usft
 MD Reference: KB = 25' @ 3457.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

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 Dillon 31 Fed Com

Site Position:		Northing:	425,686.00 usft	Latitude:	32° 10' 3.262 N
From:	Map	Easting:	787,851.00 usft	Longitude:	103° 30' 15.624 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.44 "

Well #705H

Well Position	+N-S	0.0 usft	Northing:	425,691.00 usft	Latitude:	32° 10' 3.264 N
	+E-W	0.0 usft	Easting:	788,482.00 usft	Longitude:	103° 30' 8.283 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,432.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/14/2018	6.76	60.00	47,766,74924073

Design OH

Audit Notes:		Phase:	ACTUAL	Tie On Depth:	0.0
Version:	1.0				
Vertical Section:		Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
		0.0	0.0	0.0	356.58

Survey Program Date 7/10/2019

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
128.0	19,975.0	HTMWD (OH)	MWD	OWSG MWD - Standard



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Well:	#705H	North Reference:	.Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLog (°/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
126.0	0.80	151.70	126.0	-0.8	0.4	0.63	0.63	0.00	-0.9	0.0	
303.0	2.60	358.80	302.9	2.2	0.9	1.88	1.02	-86.38	-2.1	-1.0	
478.0	2.40	326.30	477.8	9.2	-1.2	0.81	-0.11	-18.57	-8.3	-4.1	
662.0	1.30	264.00	661.7	12.2	-5.4	1.16	-0.60	-33.86	-4.1	-12.7	
849.0	2.10	212.40	848.6	9.0	-9.4	0.88	0.43	-27.59	2.6	-12.7	
1,038.0	2.10	190.70	1,037.5	2.7	-11.9	0.42	0.00	-11.48	0.5	-12.2	
1,131.0	2.50	187.90	1,130.4	-1.0	-12.5	0.45	0.43	-3.01	-2.7	-12.2	
1,292.0	3.40	192.60	1,291.2	-9.1	-14.0	0.58	0.56	2.92	-10.9	-10.6	
1,411.0	4.00	208.60	1,410.0	-16.2	-16.7	1.00	0.50	13.45	-15.5	-3.1	
1,598.0	4.20	221.40	1,596.5	-27.1	-24.4	0.50	0.11	6.84	-11.6	7.2	
1,786.0	5.10	237.20	1,783.9	-36.7	-38.0	0.83	0.48	8.40	-4.5	12.3	
1,972.0	5.10	241.70	1,969.1	-45.1	-50.2	0.22	0.00	2.42	-0.6	12.1	
2,158.0	4.90	243.70	2,154.4	-52.6	-64.6	0.14	-0.11	1.08	3.0	10.6	
2,344.0	7.20	237.90	2,339.4	-62.3	-81.6	1.28	1.24	-3.12	1.8	10.2	
2,531.0	7.50	243.40	2,524.9	-74.0	-102.4	0.41	0.16	2.94	-1.7	9.4	
2,718.0	6.70	242.80	2,710.4	-84.4	-123.0	0.43	-0.43	-0.32	-5.4	7.7	
2,905.0	5.80	240.80	2,896.3	-94.0	-141.0	0.50	-0.48	-1.07	-6.5	6.3	
3,093.0	5.80	245.90	3,083.3	-102.6	-158.0	0.27	0.00	2.71	-5.4	5.1	
3,187.0	5.80	245.50	3,176.9	-108.5	-166.6	0.04	0.00	-0.43	-5.2	3.8	
3,375.0	4.10	235.50	3,364.2	-114.2	-180.8	1.01	-0.90	-5.32	-2.2	2.1	
3,562.0	5.40	235.00	3,550.5	-123.0	-193.5	0.70	0.70	-0.27	1.9	3.2	
3,749.0	6.30	230.50	3,738.5	-134.6	-208.6	0.54	0.48	-2.41	2.0	5.3	
3,937.0	5.90	225.20	3,923.5	-148.0	-223.5	0.37	-0.21	-2.82	0.7	9.0	
4,124.0	7.70	248.60	4,109.2	-159.3	-241.8	1.75	0.96	12.51	2.0	8.3	
4,312.0	6.50	245.60	4,295.7	-168.3	-263.4	0.67	-0.64	-1.60	-2.1	5.2	
4,500.0	5.70	233.50	4,482.7	-178.3	-280.6	0.80	-0.43	-6.44	-3.3	4.1	



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 Database: EDM 5000.14

Survey

MD (usft)	Inc (")	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,687.0	5.60	251.40	4,668.8	-188.7	-288.7	0.84	-0.05	9.57	-0.8	3.3
4,874.0	4.90	228.90	4,855.0	-194.9	-311.3	1.15	-0.37	-12.03	0.8	2.5
5,061.0	5.20	216.30	5,041.3	-206.9	-322.4	0.61	0.16	-6.74	2.2	8.2
5,248.0	5.10	230.00	5,227.6	-218.1	-333.8	0.66	-0.05	7.33	6.8	12.3
5,435.0	5.00	234.00	5,413.8	-229.3	-346.7	0.20	-0.05	2.14	10.8	13.8
5,622.0	5.30	230.40	5,600.1	-239.5	-360.0	0.24	0.16	-1.93	10.5	16.4
5,808.0	3.60	228.60	5,785.5	-248.9	-371.0	0.92	-0.91	-0.97	1.9	17.5
5,995.0	1.10	245.80	5,972.3	-253.5	-377.0	1.37	-1.34	9.20	-0.4	17.9
6,182.0	1.00	245.20	6,159.3	-254.9	-380.1	0.05	-0.05	-0.32	-4.0	17.9
6,368.0	0.80	241.50	6,345.3	-256.2	-382.7	0.11	-0.11	-1.99	-8.1	17.5
6,554.0	0.60	238.10	6,531.3	-257.4	-384.7	0.11	-0.11	-1.83	-11.4	16.9
6,741.0	0.60	250.80	6,718.3	-258.2	-388.5	0.07	0.00	6.79	-9.3	19.2
6,927.0	0.60	240.50	6,904.3	-259.0	-388.2	0.06	0.00	-5.54	-14.5	17.1
7,113.0	0.40	335.10	7,090.2	-258.9	-389.4	0.40	-0.11	50.86	17.6	14.1
7,301.0	1.60	19.20	7,278.2	-255.8	-388.8	0.71	0.64	23.46	19.3	-1.7
7,488.0	2.80	46.50	7,465.1	-250.2	-384.6	0.83	0.84	14.60	9.5	-9.2
7,675.0	2.90	50.90	7,651.9	-244.1	-377.6	0.13	0.05	2.35	-0.5	-9.5
7,863.0	2.20	55.80	7,839.7	-239.1	-370.9	0.39	-0.37	2.61	-9.6	-9.0
8,049.0	1.80	54.00	8,025.6	-235.3	-365.6	0.22	-0.22	-0.97	-15.8	-9.5
8,238.0	1.20	64.20	8,214.5	-232.7	-361.4	0.35	-0.32	5.40	-22.2	-6.0
8,424.0	0.80	93.90	8,400.5	-232.0	-358.4	0.35	-0.22	15.97	-25.2	6.8
8,612.0	0.70	123.60	8,588.4	-232.7	-356.1	0.21	-0.05	15.80	-20.8	19.0
8,800.0	0.80	150.80	8,776.4	-234.5	-354.5	0.19	0.05	14.47	-12.2	27.0
8,988.0	1.10	167.90	8,964.4	-237.4	-353.5	0.22	0.16	9.10	-6.8	29.7
9,175.0	1.40	180.70	9,151.4	-241.4	-353.2	0.22	0.16	6.84	-4.0	30.9
9,361.0	0.70	158.30	9,337.3	-244.7	-352.8	0.43	-0.38	-12.04	-18.7	28.2
9,549.0	1.20	173.80	9,525.3	-247.8	-352.1	0.30	0.27	8.24	-14.1	30.5



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	NIS (usft)	EW (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
9,738.0	1.40	190.50	9,712.3	-252.0	-352.3	0.23	0.11	8.83	-8.9	33.9	
9,924.0	2.00	165.00	9,900.2	-257.4	-351.9	0.51	0.32	-13.56	-28.0	25.7	
10,111.0	1.10	161.50	10,087.1	-262.2	-350.5	0.48	-0.48	-1.87	-34.6	23.8	
10,288.0	0.70	68.80	10,274.1	-263.5	-348.9	0.71	-0.21	-49.57	-23.2	-37.4	
10,485.0	1.30	239.20	10,461.1	-264.2	-349.6	1.07	0.32	91.12	15.6	41.0	
10,673.0	0.90	205.10	10,649.0	-266.6	-352.1	0.40	-0.21	-18.14	-13.3	41.5	
10,859.0	0.60	245.10	10,835.0	-268.4	-353.6	0.31	-0.16	21.51	14.4	41.3	
11,047.0	0.30	88.30	11,023.0	-268.8	-354.0	0.47	-0.16	-83.40	-29.1	-32.6	
11,233.0	1.90	191.20	11,209.0	-271.8	-354.1	1.07	0.86	55.32	-28.3	36.1	
11,421.0	0.90	273.40	11,396.9	-274.7	-356.2	1.06	-0.53	43.72	30.0	36.0	
11,608.0	1.90	306.90	11,583.9	-272.8	-360.1	0.67	0.53	17.91	40.6	14.3	
11,846.0	1.90	312.50	11,621.9	-272.0	-361.1	0.49	0.00	14.74	40.5	10.3	
11,837.0	1.01	349.36	11,812.8	-268.2	-363.7	0.65	-0.47	19.30	34.4	-14.2	
11,931.0	2.51	352.17	11,908.6	-265.4	-364.2	1.60	1.60	2.99	30.8	-15.6	
12,024.0	13.89	2.36	11,998.7	-252.1	-364.0	12.29	12.24	10.96	16.5	-20.9	
12,119.0	23.16	9.48	12,088.7	-222.2	-360.4	10.03	9.76	7.49	6.7	-25.1	
12,212.0	36.44	5.44	12,169.2	-176.5	-354.8	14.43	14.28	-4.34	-0.9	-29.8	
12,305.0	45.27	7.46	12,239.5	-116.1	-347.8	9.60	9.49	2.17	-11.2	-36.2	
12,398.0	64.31	357.27	12,292.9	-40.7	-345.5	22.30	20.47	-10.96	-20.0	-40.7	
12,492.0	74.46	351.64	12,326.0	46.7	-354.2	12.18	10.80	-5.99	-38.0	-34.4	
12,586.0	75.65	352.26	12,350.2	136.6	-366.9	1.42	1.27	0.66	-47.6	-21.6	
12,679.0	76.84	354.89	12,372.4	226.4	-377.0	3.03	1.28	2.83	-36.6	-11.2	
12,773.0	83.25	356.56	12,388.6	318.7	-383.9	7.04	6.82	1.78	-23.1	-4.8	
12,867.0	85.63	359.11	12,397.7	412.1	-387.4	3.70	2.53	2.71	-14.5	-2.1	
12,960.0	86.37	0.26	12,404.2	504.9	-387.9	1.47	0.80	1.24	-6.6	-2.3	
13,054.0	87.87	1.75	12,408.9	598.6	-386.2	2.25	1.60	1.59	-4.4	-4.8	
13,147.0	88.84	0.17	12,411.6	691.7	-384.7	1.99	1.04	-1.70	-2.2	-7.1	



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13,241.0	90.29	0.96	12,412.3	785.7	-383.8	1.76	1.54	0.84	-2.1	-8.8
13,334.0	88.40	1.66	12,413.4	878.7	-381.6	2.17	-2.03	0.75	-1.5	-11.7
13,450.0	91.08	2.63	12,413.9	994.6	-377.3	2.46	2.31	0.84	-0.5	-17.0
13,544.0	91.16	2.01	12,412.1	1,088.5	-373.5	0.66	0.09	-0.66	-1.5	-21.6
13,638.0	89.89	358.76	12,411.2	1,182.5	-372.9	3.71	-1.35	-3.46	-1.6	-23.0
13,731.0	88.57	356.39	12,412.4	1,275.4	-376.8	2.92	-1.42	-2.55	0.5	-19.9
13,825.0	89.71	356.83	12,413.9	1,369.2	-382.4	1.30	1.21	0.47	3.9	-15.1
13,918.0	90.29	356.92	12,413.9	1,462.0	-387.4	0.63	0.62	0.10	6.0	-10.8
14,012.0	88.79	357.53	12,414.6	1,555.9	-392.0	1.72	-1.60	0.65	8.9	-7.1
14,105.0	87.30	355.69	12,417.8	1,648.7	-397.5	2.54	-1.60	-1.98	14.2	-2.4
14,199.0	95.21	358.32	12,415.7	1,742.5	-402.4	8.87	8.41	2.80	14.3	1.8
14,292.0	96.48	358.50	12,408.3	1,834.9	-404.9	1.38	1.37	0.19	7.0	3.8
14,386.0	94.20	359.46	12,397.5	1,928.5	-406.6	2.63	-2.43	1.02	0.4	4.5
14,479.0	90.37	0.26	12,393.8	2,021.4	-408.8	4.21	-4.12	0.86	-1.2	3.9
14,573.0	90.37	0.34	12,393.2	2,115.4	-408.3	0.09	0.00	0.09	0.3	2.6
14,667.0	91.96	0.70	12,391.3	2,209.4	-405.5	1.73	1.69	0.38	0.6	1.0
14,760.0	92.18	0.78	12,387.9	2,302.3	-404.3	0.25	0.24	0.09	-0.6	-1.0
14,853.0	88.97	359.46	12,387.0	2,395.3	-404.1	3.73	-3.45	-1.42	0.6	-2.0
14,947.0	89.80	359.73	12,388.0	2,489.3	-404.8	0.93	0.88	0.29	3.7	-2.1
15,041.0	90.81	359.99	12,387.5	2,583.3	-409.0	1.11	1.07	0.28	5.4	-2.8
15,134.0	90.86	359.90	12,386.1	2,676.3	-405.1	0.11	0.05	-0.10	6.2	-3.3
15,227.0	88.70	359.03	12,386.5	2,769.3	-405.9	2.50	-2.32	-0.94	8.7	-3.2
15,321.0	88.70	359.03	12,388.6	2,863.2	-407.5	0.00	0.00	0.00	12.9	-2.4
15,415.0	88.88	358.59	12,390.6	2,957.2	-409.5	0.51	0.19	-0.47	17.1	-1.3
15,507.0	91.65	1.31	12,390.2	3,049.2	-409.6	4.22	3.01	2.96	18.8	-2.0
15,601.0	93.14	1.31	12,386.3	3,143.1	-407.4	1.59	1.59	0.00	17.0	-4.9
15,695.0	93.19	0.34	12,381.1	3,236.9	-406.1	1.03	0.05	-1.03	14.0	-7.0



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15,789.0	90.99	358.76	12,377.6	3,330.8	-408.8	2.88	-2.34	-1.68	12.7	-7.1	
15,892.0	92.84	0.52	12,374.5	3,423.8	-407.4	2.74	1.99	1.89	11.7	-7.3	
15,975.0	92.66	0.34	12,370.1	3,516.7	-408.7	0.27	-0.18	-0.19	9.2	-8.8	
16,069.0	83.74	358.65	12,373.0	3,610.5	-409.2	10.27	-9.49	-3.93	14.0	-7.1	
16,162.0	82.64	354.45	12,384.1	3,702.5	-416.3	2.63	-1.18	-2.37	26.9	-0.7	
16,255.0	92.88	357.44	12,387.7	3,795.1	-422.9	11.47	11.01	3.22	32.3	5.1	
16,348.0	95.43	358.23	12,380.9	3,887.8	-428.4	2.87	2.74	0.85	27.4	7.8	
16,442.0	96.31	358.85	12,371.3	3,981.3	-428.8	1.14	0.94	0.66	19.6	9.4	
16,535.0	93.45	359.64	12,363.4	4,073.9	-430.0	3.19	-3.08	0.85	13.6	9.9	
16,628.0	92.44	358.23	12,358.6	4,166.8	-431.7	1.88	-1.09	-1.52	10.6	10.8	
16,722.0	95.96	358.50	12,351.8	4,260.5	-434.4	3.76	3.74	0.29	5.6	12.7	
16,816.0	94.59	359.38	12,343.1	4,354.0	-436.1	1.73	-1.46	0.94	-1.2	13.6	
16,908.0	92.66	0.70	12,337.3	4,445.8	-436.0	2.54	-2.10	1.43	-5.2	12.8	
17,001.0	90.55	0.61	12,334.7	4,538.8	-435.0	2.27	-2.27	-0.10	-5.4	11.0	
17,094.0	90.46	0.87	12,333.9	4,631.8	-433.8	0.30	-0.10	0.28	-3.5	9.0	
17,188.0	90.55	0.78	12,333.1	4,725.8	-432.4	0.14	0.10	-0.10	-1.6	6.8	
17,282.0	93.41	1.57	12,329.8	4,819.7	-430.5	3.16	3.04	0.84	-2.0	4.1	
17,376.0	96.79	2.72	12,321.4	4,913.2	-427.0	3.80	3.60	1.22	-7.6	-0.2	
17,470.0	95.43	1.22	12,311.4	5,006.6	-423.8	2.15	-1.45	-1.60	-14.9	-4.2	
17,563.0	94.59	1.49	12,303.3	5,099.3	-421.6	0.95	-0.90	0.28	-20.3	-7.1	
17,657.0	92.79	0.70	12,297.3	5,193.0	-419.8	2.09	-1.91	-0.84	-23.5	-9.7	
17,750.0	92.92	1.75	12,292.6	5,285.9	-417.8	1.14	0.14	1.13	-25.4	-12.5	
17,843.0	89.98	0.26	12,280.3	5,378.8	-416.2	3.54	-3.18	-1.60	-25.0	-14.9	
17,938.0	88.71	0.43	12,280.5	5,473.8	-415.6	0.34	-0.28	0.18	-22.0	-16.2	
18,033.0	93.45	2.98	12,287.9	5,568.7	-412.8	4.76	3.94	2.68	-21.3	-18.9	
18,127.0	92.04	359.55	12,283.4	5,662.6	-410.7	3.94	-1.50	-3.65	-22.5	-22.7	
18,220.0	91.08	358.50	12,280.9	5,755.5	-412.3	1.53	-1.03	-1.13	-21.8	-21.9	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3457.0usft
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3457.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
18,313.0	88.88	357.00	12,280.9	5,848.5	-416.0	2.86	-2.37	-1.81	-18.4	-18.0
18,407.0	89.85	351.82	12,282.0	5,942.0	-425.1	5.61	1.03	-5.51	-14.1	-10.8
18,500.0	90.02	356.65	12,282.1	6,034.5	-434.5	5.20	0.18	5.19	-10.6	-2.1
18,593.0	84.79	356.65	12,286.3	6,127.2	-439.8	5.62	-5.62	0.00	-3.1	2.6
18,687.0	90.77	357.97	12,289.9	6,221.0	-444.3	6.51	6.36	1.40	3.9	6.2
18,781.0	91.74	358.67	12,287.9	6,314.9	-447.0	1.27	1.03	0.74	5.1	8.1
18,874.0	89.01	359.38	12,287.3	6,407.9	-448.6	3.03	-2.94	0.76	7.8	8.9
18,967.0	94.02	359.80	12,284.8	6,500.8	-449.2	5.42	5.39	0.56	8.7	8.7
19,059.0	92.84	1.22	12,279.3	6,592.6	-448.3	1.92	-1.28	1.43	8.5	7.1
19,153.0	90.37	1.75	12,276.7	6,686.6	-445.9	2.69	-2.63	0.56	6.4	3.9
19,246.0	92.13	2.98	12,274.6	6,779.5	-442.0	2.31	1.89	1.32	6.1	-0.8
19,340.0	91.52	3.77	12,271.6	6,873.3	-436.5	1.08	-0.65	0.84	4.8	-7.1
19,433.0	90.29	2.19	12,270.2	6,966.1	-431.7	2.15	-1.32	-1.70	5.0	-12.7
19,527.0	91.38	2.01	12,268.8	7,060.0	-428.2	1.18	1.16	-0.19	5.4	-16.8
19,621.0	90.33	0.61	12,267.4	7,154.0	-426.1	1.86	-1.12	-1.49	5.7	-19.9
19,714.0	91.16	0.43	12,266.2	7,247.0	-425.2	0.91	0.89	-0.19	6.2	-21.5
19,808.0	92.70	1.31	12,263.0	7,340.9	-423.8	1.89	1.64	0.94	4.8	-23.7
19,902.0	94.07	1.75	12,257.5	7,434.7	-421.3	1.53	1.46	0.47	1.0	-27.0
19,975.0	94.07	1.75	12,252.3	7,507.5	-419.1	0.00	0.00	0.00	-2.9	-29.8

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
11,920.0	11,895.8	-265.8	-364.1	KOP, MD:11920.0', TVD:11895.8', N/S:-265.8', E/W:-364.1', INC:2.33
12,193.7	12,154.2	-187.0	-355.8	FTP Crossing, MD:12193.7', TVD:12154.2', N/S:-187.0', E/W:-355.8', INC:33.82
19,902.0	12,257.5	7,434.7	-421.3	Last MWD Survey (MD=19902.0')
19,975.0	12,252.3	7,507.5	-419.1	Projection to Bit (MD=19975.0')



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3457.0usft
Site:	Dillon 31 Fed Com	MD Reference:	KB = 25' @ 3457.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Checked By:	_____	Approved By:	_____	Date:	_____
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Lea County, NM (NAD 83 NME)

Dillon 31 Fed Com #705H

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: #705H

KB = 25' @ 3457.0usft 3432.0
Northing 425691.00 Easting 788482.00 Latitude 32° 10' 3.284 N Longitude 103° 30' 8.283 W

To convert a Magnetic Direction to a Grid Direction, Add 6.32°
To convert a Magnetic Direction to a True Direction, Add 6.70° East
To convert a True Direction to a Grid Direction, Subtract 0.44°

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	8.00	238.32	1499.6	-8.2	-13.4	2.00	238.32	-7.4	
4	5515.0	8.00	238.32	5492.4	-328.8	-370.8	0.00	0.00	-206.3	
5	5815.1	0.00	0.00	5792.0	-237.0	-384.0	2.00	180.00	-213.7	
6	11956.9	0.00	0.00	11933.8	-237.0	-384.0	0.00	0.00	-213.7	
7	12704.2	89.58	359.52	12411.3	237.7	-388.0	12.00	359.52	280.4	
8	13384.6	89.58	359.52	12415.0	698.1	-393.5	0.00	0.00	920.0	TGT#1(Dillon 31 Fed Com #705H)
9	13406.4	90.51	359.52	12414.9	839.9	-393.9	2.00	0.00	981.7	
10	13735.1	90.51	359.52	12412.0	1268.8	-398.8	0.00	0.00	1280.0	TGT#2(Dillon 31 Fed Com #705H)
11	13775.3	91.31	359.52	12411.4	1308.8	-397.0	2.00	0.00	1330.1	
12	15928.8	91.31	359.52	12382.0	3459.4	-415.0	0.00	0.00	3478.0	TGT#3(Dillon 31 Fed Com #705H)
13	15935.7	91.13	359.52	12381.8	3468.5	-415.1	2.00	180.00	3487.1	
14	16938.1	91.13	359.52	12342.0	4470.7	-423.4	0.00	0.00	4488.0	TGT#4(Dillon 31 Fed Com #705H)
15	16986.0	91.59	359.52	12341.3	4488.6	-423.7	2.00	0.00	4515.8	
16	17959.9	91.59	359.52	12312.0	5492.0	-432.0	0.00	0.00	5508.0	TGT#5(Dillon 31 Fed Com #705H)
17	17977.5	92.04	359.52	12311.4	5509.6	-432.2	2.00	0.00	5525.5	
18	19084.1	92.04	359.52	12272.0	6615.5	-441.4	0.00	0.00	6630.0	TGT#6(Dillon 31 Fed Com #705H)
19	19133.7	91.05	359.52	12270.7	6665.1	-441.8	2.00	180.00	6679.6	
20	19088.8	91.05	359.52	12255.0	7520.0	-449.0	0.00	0.00	7533.4	PBHL(Dillon 31 Fed Com #705H)

CASING DETAILS

No casing data is available

WELLSHOE TUBING DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Shimsky Top(Dillon 31 Fed Com #705H)	7531.9	-237.8	-384.8	425454.28	788538.28
PBHL(Dillon 31 Fed Com #705H)	12258.1	723.9	-449.9	432611.28	788538.28
TGT#1(Dillon 31 Fed Com #705H)	12275.6	691.8	-441.6	432688.69	788546.69
TGT#2(Dillon 31 Fed Com #705H)	12312.0	642.9	-432.9	431163.69	788546.69
TGT#3(Dillon 31 Fed Com #705H)	12342.0	4470.7	-423.4	432611.28	788538.28
TGT#4(Dillon 31 Fed Com #705H)	12341.3	4488.6	-423.7	431163.69	788546.69
TGT#5(Dillon 31 Fed Com #705H)	12312.0	5492.0	-432.0	432611.28	788538.28
TGT#6(Dillon 31 Fed Com #705H)	12272.0	6615.5	-441.4	432611.28	788538.28
PBHL(Dillon 31 Fed Com #705H)	12255.0	7520.0	-449.0	432611.28	788538.28

