



HOBBS OCD
MAY 17 2019
RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Hearthrob 17 state

#704H

OH

Design: OH

Midland PVA

04 March, 2019



Midland PVA

Company:	EOG Resources - Midland		Local Co-ordinate Reference:	Well #704H	
Project:	Lea County, NM (NAD 83 NME)		TVD Reference:	KB = 25 @ 3571.0usft	
Site:	Hearthrob 17 state		MD Reference:	KB = 25 @ 3571.0usft	
Well:	#704H		North Reference:	Grid	
Wellbore:	OH		Survey Calculation Method:	Minimum Curvature	
Design:	OH		Database:	EDM 5000.14	

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	Hearthrob 17 state				
Site Position:		Northing:	441,888.00 usft	Latitude:	32° 12' 45.730 N
From:	Map	Easting:	767,698.00 usft	Longitude:	103° 38' 5.126 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.39 "

Well	#704H					
Well Position	+N-S	0.0 usft	Northing:	441,516.00 usft	Latitude:	32° 12' 42.023 N
	+E-W	0.0 usft	Easting:	768,364.00 usft	Longitude:	103° 35' 57.404 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,546.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/23/2018	6.84	60.03	47,805.31698161

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	12.72	

Survey Program	Date 3/4/2019				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
138.0	17,490.0	Newsco MWD (OH)	MWD	OWSG MWD - Standard	



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Well:	#704H	North Reference:	Grid
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)	
0.0	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
138.0	0.80	307.40	138.0	0.4	-0.8	0.43	0.43	0.00	0.0	0.0	0.0
320.0	0.80	299.70	320.0	1.5	-2.2	0.04	0.00	-4.23	0.0	0.0	0.0
506.0	0.00	297.60	506.0	2.0	-3.0	0.32	-0.32	0.00	0.0	0.0	0.0
688.0	0.70	304.90	688.0	2.6	-3.9	0.39	0.39	0.00	0.0	0.0	0.0
864.0	0.80	274.00	864.0	3.3	-5.7	0.20	-0.06	-17.36	0.0	0.0	0.0
1,045.0	0.80	231.10	1,045.0	2.8	-7.4	0.24	0.00	-23.70	0.0	0.0	0.0
1,226.0	0.80	246.20	1,225.9	1.7	-9.3	0.15	0.11	8.34	0.0	0.0	0.0
1,269.0	0.90	242.40	1,268.9	1.4	-9.9	0.27	0.23	-8.84	0.0	0.0	0.0
1,411.0	0.80	207.40	1,410.9	0.0	-11.3	0.37	-0.07	-24.65	0.0	0.0	0.0
1,592.0	0.80	202.30	1,591.9	-2.5	-12.4	0.07	0.06	-2.82	0.0	0.0	0.0
1,772.0	1.20	222.30	1,771.9	-5.2	-14.2	0.26	0.17	11.11	0.0	0.0	0.0
1,953.0	1.80	220.90	1,952.8	-8.7	-17.4	0.33	0.33	-0.77	0.0	0.0	0.0
2,133.0	5.00	104.40	2,132.6	-12.8	-11.6	3.35	1.78	-64.72	0.0	0.0	0.0
2,314.0	11.00	96.00	2,311.8	-16.6	13.2	3.37	3.31	-4.64	0.0	0.0	0.0
2,495.0	12.80	97.00	2,488.9	-20.8	50.3	1.00	0.99	0.55	0.0	0.0	0.0
2,676.0	11.80	82.40	2,665.7	-20.8	88.7	1.79	-0.50	-8.07	0.0	0.0	0.0
2,856.0	14.60	106.60	2,841.0	-24.8	128.9	3.39	1.50	13.44	0.0	0.0	0.0
3,037.0	14.50	107.20	3,016.2	-38.0	172.4	0.10	-0.08	0.33	0.0	0.0	0.0
3,217.0	14.60	106.10	3,190.5	-51.0	215.7	0.16	0.06	-0.61	0.0	0.0	0.0
3,398.0	14.20	110.70	3,365.8	-65.2	258.4	0.67	-0.22	2.54	0.0	0.0	0.0
3,578.0	12.00	109.10	3,541.1	-79.1	296.7	1.24	-1.22	-0.89	0.0	0.0	0.0
3,759.0	11.60	102.10	3,718.3	-89.1	332.3	0.82	-0.22	-3.87	0.0	0.0	0.0
3,939.0	13.00	117.20	3,894.2	-102.1	368.0	1.94	0.78	8.39	0.0	0.0	0.0
4,120.0	14.50	121.20	4,070.0	-123.2	405.5	0.98	0.83	2.21	-1.1	-3.4	-3.4
4,301.0	13.20	123.20	4,245.7	-148.2	442.2	0.77	-0.72	1.10	-1.6	-11.2	-11.2
4,482.0	13.20	124.50	4,421.9	-169.2	476.5	0.16	0.00	0.72	-0.4	-20.3	-20.3



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

Survey											
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4,662.0	13.80	116.30	4,597.0	-190.4	512.7	1.11	0.33	-4.58	4.1	-28.5	
4,843.0	14.70	118.20	4,772.4	-210.8	552.3	0.56	0.50	1.05	2.3	-30.7	
5,023.0	12.70	117.40	4,947.3	-230.7	590.0	1.12	-1.11	-0.44	3.4	-35.2	
5,204.0	11.70	109.70	5,124.2	-248.1	624.9	1.05	-0.55	-4.25	13.8	-35.5	
5,385.0	13.90	105.10	5,300.7	-257.9	663.2	1.34	1.22	-2.54	20.1	-30.6	
5,565.0	14.90	104.60	5,475.0	-269.4	706.5	0.56	0.56	-0.28	18.8	-25.2	
5,746.0	14.20	101.50	5,650.2	-279.7	750.7	0.58	-0.39	-1.71	17.7	-17.5	
5,926.0	14.70	98.20	5,824.5	-287.3	795.0	0.54	0.28	-1.83	16.1	-7.5	
6,107.0	14.70	104.50	5,999.6	-296.4	839.9	0.88	0.00	3.48	12.7	-1.1	
6,287.0	14.70	106.00	6,173.7	-308.4	884.0	0.21	0.00	0.83	10.3	3.7	
6,468.0	14.20	104.10	6,349.0	-320.1	927.6	0.38	-0.28	-1.05	8.4	9.1	
6,648.0	14.20	101.30	6,523.5	-329.8	970.7	0.38	0.00	-1.56	6.7	16.4	
6,829.0	13.00	104.80	6,699.4	-339.4	1,012.1	0.80	-0.66	1.93	8.6	22.7	
7,009.0	11.90	122.00	6,875.3	-354.4	1,047.5	2.14	-0.81	9.56	16.7	18.1	
7,190.0	6.70	142.80	7,053.9	-372.7	1,069.7	3.38	-2.87	11.49	19.5	2.4	
7,370.0	3.90	130.00	7,233.1	-385.0	1,080.7	1.68	-1.56	-7.11	19.4	-1.4	
7,551.0	1.60	80.20	7,413.9	-388.5	1,087.9	1.72	-1.27	-27.51	13.0	12.9	
7,732.0	1.40	87.60	7,594.8	-388.0	1,092.6	0.15	-0.11	4.09	9.9	11.4	
7,912.0	0.90	73.60	7,774.8	-387.5	1,096.2	0.32	-0.28	-7.78	3.3	12.9	
8,093.0	0.90	83.40	7,955.8	-386.9	1,099.0	0.08	0.00	5.41	2.8	12.4	
8,273.0	0.90	105.40	8,135.8	-387.2	1,101.7	0.19	0.00	12.22	4.4	11.1	
8,454.0	0.70	151.00	8,316.7	-388.5	1,103.6	0.36	-0.11	25.19	8.9	5.7	
8,635.0	0.70	157.90	8,497.7	-390.5	1,104.6	0.05	0.00	3.61	7.3	4.7	
8,815.0	0.90	169.40	8,677.7	-392.9	1,105.3	0.14	0.11	6.39	5.6	3.4	
8,996.0	1.00	177.00	8,858.7	-395.9	1,105.6	0.09	0.06	4.20	3.0	2.8	
9,177.0	1.00	196.60	9,039.7	-399.0	1,105.2	0.19	0.00	10.83	0.7	2.1	
9,358.0	1.20	217.40	9,220.6	-402.0	1,103.6	0.24	0.11	11.49	-2.0	2.3	



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Design:	OH	Database:	EDM 5000.14

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)
9,539.0	1.50	188.60	9,401.8	-405.8	1,102.2	0.43	0.17	-17.02	-6.9	0.0
9,719.0	0.40	178.40	9,581.5	-408.8	1,102.0	0.61	-0.61	-4.56	-9.8	-1.3
9,900.0	0.80	284.40	9,762.5	-408.9	1,100.8	0.57	0.22	64.09	2.1	9.8
10,080.0	1.80	279.80	9,942.5	-407.9	1,096.7	0.64	0.61	-8.11	-4.6	9.8
10,261.0	2.10	274.10	10,123.4	-407.1	1,090.5	0.16	0.11	-3.15	-11.9	9.0
10,442.0	0.70	302.60	10,304.3	-406.3	1,086.2	0.84	-0.77	15.75	-10.2	15.2
10,622.0	0.70	306.60	10,484.3	-405.1	1,084.4	0.03	0.00	2.33	-11.2	16.0
10,803.0	1.20	222.00	10,665.3	-405.8	1,082.3	0.74	0.28	-46.85	-16.9	-10.8
10,984.0	1.80	210.10	10,846.2	-409.7	1,079.6	0.37	0.33	-6.57	-21.0	-14.9
11,164.0	2.40	260.40	11,026.1	-412.8	1,074.5	1.04	0.33	27.94	-30.4	8.8
11,345.0	1.80	311.30	11,207.0	-411.5	1,068.6	1.04	-0.33	28.12	-17.6	32.1
11,526.0	1.30	47.30	11,388.0	-408.2	1,068.0	1.29	-0.28	53.04	32.0	17.0
11,707.0	1.00	48.30	11,568.9	-405.8	1,070.6	0.17	-0.17	-0.55	28.1	17.5
11,887.0	0.90	20.20	11,748.9	-403.3	1,072.2	0.24	-0.08	-14.50	14.7	27.4
11,924.0	0.80	30.50	11,785.9	-402.8	1,072.5	0.44	0.00	27.84	18.8	24.4
11,972.0	0.80	53.80	11,833.9	-402.3	1,072.9	0.74	-0.21	48.54	26.2	15.1
12,062.0	1.00	59.30	11,923.9	-401.5	1,074.1	0.24	0.22	6.11	26.1	12.6
12,152.0	3.10	14.70	12,013.8	-398.8	1,075.4	2.77	2.33	-49.56	6.8	26.7
12,242.0	16.70	356.30	12,101.8	-381.2	1,075.0	18.65	18.44	-20.44	-15.8	27.1
12,287.0	27.60	357.00	12,142.9	-363.1	1,074.0	17.57	17.56	1.56	-26.1	28.1
12,333.0	30.00	3.90	12,183.3	-341.0	1,074.2	8.91	5.22	15.00	-33.7	31.1
12,423.0	37.50	6.70	12,258.0	-291.3	1,079.0	8.51	8.33	3.11	-48.2	28.6
12,468.0	44.50	6.70	12,292.0	-262.0	1,082.4	15.56	15.56	0.00	-54.9	25.3
12,513.0	52.10	9.60	12,321.9	-228.8	1,087.2	17.56	16.89	6.44	-61.8	22.8
12,558.0	55.20	7.30	12,348.6	-192.9	1,092.5	8.02	6.89	-5.11	-69.5	15.3
12,603.0	55.70	6.00	12,374.1	-156.1	1,098.8	2.83	1.11	-2.89	-73.2	9.1
12,648.0	55.60	5.00	12,399.5	-119.1	1,100.4	1.85	-0.22	-2.22	-71.9	3.9



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12,693.0	59.80	2.00	12,423.5	-81.2	1,102.7	10.90	9.33	-6.67	-67.0	-0.9
12,784.0	70.30	359.50	12,461.9	1.2	1,103.7	11.80	11.54	-2.75	-53.9	-3.7
12,874.0	77.10	0.00	12,487.1	87.5	1,103.3	7.57	7.56	0.56	-35.7	-4.0
12,964.0	89.40	358.90	12,497.7	176.7	1,102.4	13.72	13.67	-1.22	-24.8	-3.7
13,055.0	91.60	357.90	12,496.9	267.7	1,099.9	2.66	2.42	-1.10	-25.3	-1.8
13,145.0	89.00	358.30	12,496.4	357.6	1,096.9	2.92	-2.89	0.44	-25.4	0.5
13,236.0	90.20	358.60	12,497.0	448.6	1,094.5	1.36	1.32	0.33	-24.5	2.3
13,326.0	90.90	359.90	12,498.2	538.6	1,093.3	1.64	0.78	1.44	-25.0	2.8
13,416.0	88.50	0.30	12,498.7	628.6	1,093.4	2.70	-2.67	0.44	-24.1	1.9
13,506.0	88.20	1.20	12,499.2	718.5	1,094.6	1.05	-0.33	1.00	-21.1	0.1
13,596.0	88.30	2.00	12,502.0	808.4	1,097.1	0.90	0.11	0.89	-17.9	-3.1
13,687.0	88.80	2.50	12,504.3	899.3	1,100.7	0.78	0.55	0.55	-15.1	-7.3
13,777.0	88.40	3.70	12,506.5	989.2	1,105.6	1.41	-0.44	1.33	-12.5	-12.8
13,867.0	88.70	3.40	12,508.8	1,079.0	1,111.1	0.47	0.33	-0.33	-9.7	-19.1
13,957.0	89.90	1.50	12,509.9	1,168.9	1,115.0	2.50	1.33	-2.11	-8.1	-23.6
14,048.0	91.70	359.30	12,508.6	1,259.9	1,115.6	3.12	1.96	-2.42	-8.9	-24.9
14,138.0	94.00	358.20	12,504.1	1,349.7	1,113.7	2.83	2.56	-1.22	-12.9	-23.6
14,228.0	91.20	357.10	12,500.0	1,439.5	1,110.0	3.34	-3.11	-1.22	-16.6	-20.6
14,318.0	89.70	357.90	12,499.3	1,529.5	1,106.0	1.89	-1.67	0.89	-16.8	-17.3
14,409.0	90.10	358.10	12,499.5	1,620.4	1,102.9	0.49	0.44	0.22	-16.2	-14.8
14,499.0	87.70	356.90	12,501.2	1,710.3	1,098.9	2.98	-2.67	-1.33	-14.0	-11.6
14,589.0	90.50	358.10	12,502.6	1,800.2	1,095.0	3.36	3.11	1.33	-12.1	-8.3
14,679.0	89.10	356.80	12,503.0	1,890.1	1,091.0	2.12	-1.56	-1.44	-11.3	-5.0
14,769.0	89.10	356.80	12,504.4	1,979.9	1,086.0	0.00	0.00	0.00	-9.4	-0.6
14,859.0	91.20	357.10	12,504.1	2,069.8	1,081.2	2.36	2.33	0.33	-9.2	3.5
14,950.0	94.50	356.60	12,499.6	2,160.5	1,076.2	3.67	3.63	-0.55	-13.3	7.8
15,040.0	92.00	357.30	12,494.5	2,250.3	1,071.4	2.88	-2.78	0.78	-17.9	11.8



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15,130.0	89.70	0.30	12,493.2	2,340.2	1,069.8	4.20	-2.58	3.33	-18.8	13.2	
15,220.0	89.80	0.30	12,493.6	2,430.2	1,070.0	0.11	0.11	0.00	-17.9	12.0	
15,310.0	91.20	1.50	12,492.8	2,520.2	1,071.4	2.05	1.56	1.33	-18.3	9.8	
15,400.0	89.50	1.20	12,492.2	2,610.2	1,073.8	1.92	-1.89	-0.33	-18.3	7.1	
15,491.0	88.70	0.40	12,493.7	2,701.1	1,074.8	1.24	-0.88	-0.88	-16.3	5.2	
15,581.0	88.10	359.20	12,497.7	2,791.0	1,074.5	3.18	-2.89	-1.33	-11.7	4.8	
15,671.0	88.50	359.80	12,502.0	2,880.9	1,073.7	2.75	2.67	0.67	-7.0	5.0	
15,762.0	91.20	0.70	12,502.2	2,971.9	1,074.1	3.13	2.97	0.99	-6.2	3.9	
15,852.0	91.10	3.20	12,500.4	3,061.8	1,077.2	2.78	-0.11	2.78	-7.5	0.2	
15,942.0	91.80	5.10	12,498.1	3,151.8	1,083.7	2.25	0.78	2.11	-9.3	-7.0	
16,033.0	88.30	0.30	12,498.1	3,242.4	1,088.0	6.53	-3.85	-5.27	-8.8	-12.0	
16,123.0	93.00	0.20	12,497.0	3,332.4	1,088.4	5.22	5.22	-0.11	-9.3	-13.0	
16,213.0	93.10	358.70	12,492.2	3,422.3	1,087.5	1.67	0.11	-1.67	-13.6	-12.8	
16,303.0	95.20	358.80	12,485.7	3,512.0	1,085.4	2.34	2.33	-0.11	-19.6	-11.4	
16,394.0	93.50	357.00	12,478.8	3,602.7	1,081.9	2.58	-1.87	-1.78	-26.0	-8.8	
16,484.0	92.80	356.10	12,473.9	3,692.4	1,078.5	1.27	-0.78	-1.00	-30.4	-3.8	
16,574.0	88.90	357.70	12,472.5	3,782.2	1,071.6	4.68	-4.33	1.78	-31.3	0.4	
16,664.0	89.00	359.40	12,474.2	3,872.2	1,069.4	1.89	0.11	1.89	-29.1	2.0	
16,755.0	89.10	359.80	12,475.7	3,963.1	1,068.7	0.45	0.11	0.44	-27.1	1.9	
16,845.0	87.50	359.60	12,478.4	4,053.1	1,068.3	1.79	-1.78	-0.22	-23.9	1.8	
16,935.0	89.00	358.80	12,481.1	4,143.0	1,067.0	1.89	1.67	-0.89	-20.8	2.3	
17,025.0	90.80	358.30	12,481.3	4,233.0	1,064.7	2.08	2.00	-0.56	-20.0	4.0	
17,116.0	92.50	358.40	12,478.7	4,323.9	1,062.1	1.87	1.87	0.11	-22.0	5.9	
17,206.0	90.60	358.90	12,476.2	4,413.9	1,060.0	2.18	-2.11	0.56	-23.8	7.4	
17,296.0	90.20	359.50	12,475.6	4,503.9	1,058.7	0.80	-0.44	0.67	-23.9	7.8	
17,386.0	92.20	0.30	12,473.7	4,593.8	1,058.6	2.38	2.22	0.89	-25.1	7.4	
17,433.0	93.00	1.10	12,471.6	4,640.8	1,059.1	2.41	1.70	1.70	-27.0	6.5	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3571.0usft
Site:	Hearthrob 17 state	MD Reference:	KB = 25 @ 3571.0usft
Well:	#704H	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)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
17,490.0	93.00	1.10	12,468.8	4,697.7	1,060.2	0.00	0.00	0.00	-29.6	5.0	

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
12,140.0	12,001.8	-399.4	1,075.2	KOP, MD:12140.0', TVD:12001.8', N/S:-399.4', E/W:1075.2', INC:2.78
12,316.8	12,169.2	-349.0	1,073.9	FTP Crossing, MD:12316.8', TVD:12169.2', N/S:-349.0', E/W:1073.9', INC:29.12
17,433.0	12,471.6	4,640.8	1,059.1	Last MWD Survey (MD=17433.0')
17,490.0	12,468.8	4,697.7	1,060.2	Projection to Bit (MD=17490.0')

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Hearthrob 17 state #704H

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: #704H

KB = 25 @ 3571.0ust
Northing 441916.00 Easting 763364.00 Latitude 32° 12' 42.023 N Longitude 103° 35' 57.404 W

To convert a Magnetic Direction to a Grid Direction, Add 6.45°
To convert a Magnetic Direction to a True Direction, Add 6.84° East
To convert a True Direction to a Grid Direction, Subtract 0.39°

SECTION DETAILS

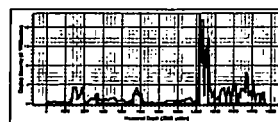
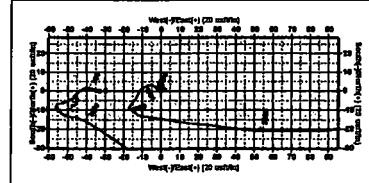
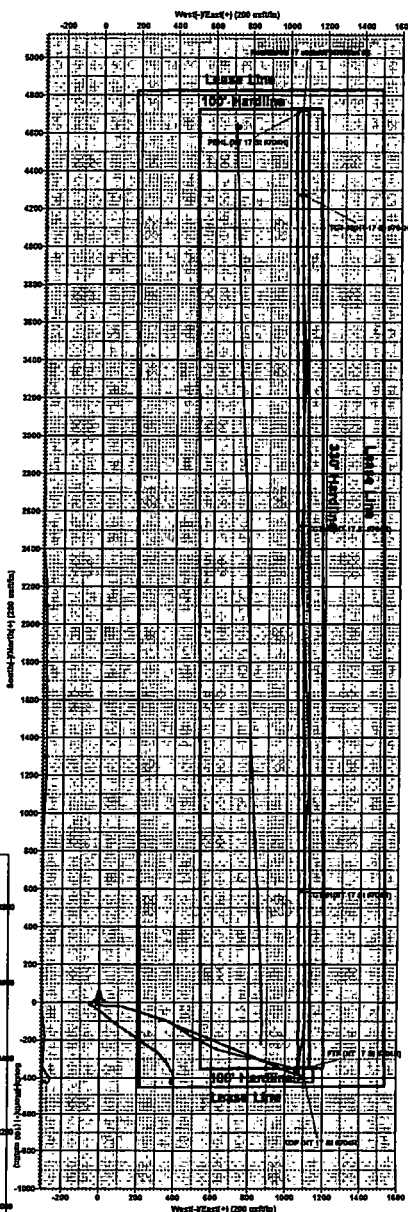
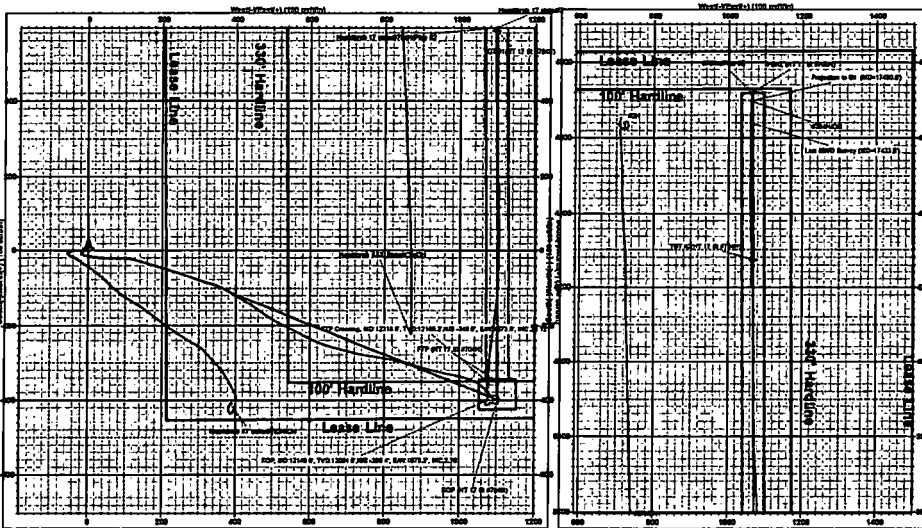
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	3939.0	13.00	117.20	3894.2	-102.1	368.0	0.00	0.00	-18.6	
2	3995.0	13.00	117.20	3948.7	-107.9	379.2	0.00	0.00	-21.8	
3	4075.0	14.00	111.85	4028.6	-115.6	396.2	2.00	-53.88	-25.8	
4	6870.4	14.00	111.85	6738.8	-387.3	1024.0	0.00	0.00	-132.8	
5	7570.5	0.00	359.58	7432.0	-399.0	1103.0	2.00	180.00	-146.4	
6	12183.9	0.00	359.58	12043.4	-399.0	1103.0	0.00	0.00	-146.4	KOP (HT 17 St #704H)
7	12835.6	90.21	359.58	12522.9	80.2	1099.4	12.00	359.58	320.2	
8	13441.6	90.21	359.58	12521.0	588.2	1095.7	0.00	0.00	813.0	TGT #1(HT 17 St #704H)
9	13445.9	90.30	359.58	12521.0	590.4	1095.7	2.00	0.00	817.1	
10	15380.4	90.30	359.58	12511.0	2524.9	1081.3	0.00	0.00	2701.0	TGT #2(HT 17 St #704H)
11	15382.0	90.33	359.58	12511.0	2526.5	1081.3	2.00	0.00	2702.5	
12	17130.3	90.33	359.58	12501.0	4274.7	1068.4	0.00	0.00	4405.0	TGT #3(HT 17 St #704H)
13	17133.2	90.39	359.58	12501.0	4277.6	1068.3	2.00	0.00	4407.9	
14	17575.6	90.39	359.58	12498.0	4720.0	1065.1	0.00	0.00	4838.7	PBHL (HT 17 St #704H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP (HT 17 St #704H)	12043.4	-399.0	1103.0	441117.00	763487.00
PBHL (HT 17 St #704H)	12498.0	-4720.0	1065.1	440239.01	763431.07
TGT #1(HT 17 St #704H)	12521.0	4274.7	1068.4	445790.70	763432.37
TGT #2(HT 17 St #704H)	12511.0	2524.9	1081.3	444040.90	763440.33
TGT #3(HT 17 St #704H)	12501.0	4277.6	1068.3	442102.20	763438.70
FTP (HT 17 St #704H)	12524.0	-343.0	1103.0	441117.00	763487.00



Lea County, NM (NAD 83 NME)
Hearthrob 17 state #704H
Plan #2