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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Red Raider 25 State

#705H

OH

Design: OH

Final PVA Report

21 November, 2018

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3548.0usft
Site:	Red Raider 25 State	MD Reference:	KB = 25 @ 3548.0usft
	#705H	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	Red Raider 25 State		
Site Position:		Northing:	430,866.00 usft
From:	Map	Easting:	792,872.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 54.895 N
		Longitude:	103° 31' 13.091 W
		Grid Convergence:	0.43 °

Well	#705H		
Well Position	+N-S	0.0 usft	Northing: 430,917.00 usft
	+E-W	0.0 usft	Easting: 791,472.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation: usft
			Latitude: 32° 10' 55.504 N
			Longitude: 103° 31' 29.376 W
			Ground Level: 3,523.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/8/2018	6.80	60.02	47,799.94701411

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Section:	Depth From (TVD)	+N-S	+E-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	359.03

Program	Date	11/20/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
144.0	17,412.0	Intrepid MWD #1 (OH)	MWD	OWSG MWD - Standard



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
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Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLag (°/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
144.0	0.30	274.80	144.0	0.0	-0.4	0.21	0.21	0.00	0.0	0.0	0.0
321.0	0.60	170.70	321.0	-0.8	-0.7	0.41	0.17	-58.81	0.0	0.0	0.0
503.0	1.00	79.60	503.0	-1.5	1.0	0.65	0.22	-50.05	0.0	0.0	0.0
693.0	1.00	91.90	693.0	-1.3	4.3	0.11	0.00	6.47	0.0	0.0	0.0
788.0	1.50	89.50	787.9	-1.3	6.4	0.53	0.53	-2.53	0.0	0.0	0.0
967.0	2.50	108.40	966.8	-2.5	12.4	0.66	0.56	10.56	0.0	0.0	0.0
1,157.0	3.60	154.00	1,156.6	-9.2	19.0	1.35	0.58	24.00	0.0	0.0	0.0
1,293.0	4.30	162.80	1,292.3	-17.9	22.4	0.68	0.51	6.47	0.0	0.0	0.0
1,445.0	3.90	162.50	1,443.9	-28.2	25.6	0.26	-0.26	-0.20	-1.2	0.0	0.0
1,636.0	4.70	187.60	1,634.3	-42.2	26.5	1.06	0.42	13.14	-12.7	2.3	2.3
1,825.0	3.90	187.10	1,822.8	-56.2	24.7	0.42	-0.42	-0.26	-26.8	2.1	2.1
2,015.0	3.00	189.30	2,012.5	-67.6	23.1	0.48	-0.47	1.16	-38.2	3.4	3.4
2,206.0	2.00	196.00	2,203.3	-75.7	21.4	0.54	-0.52	3.51	-45.8	8.4	8.4
2,395.0	1.30	191.40	2,392.2	-81.0	20.0	0.38	-0.37	-2.43	-51.8	4.4	4.4
2,585.0	2.70	211.10	2,582.1	-86.9	17.3	0.81	0.74	10.37	-53.7	22.4	22.4
2,775.0	1.80	214.10	2,771.9	-93.2	13.3	0.48	-0.47	1.58	-60.0	25.4	25.4
2,965.0	3.80	192.30	2,961.7	-101.8	10.3	1.17	1.05	-11.47	-74.2	0.2	0.2
3,155.0	4.90	196.70	3,151.2	-115.8	6.6	0.60	0.58	2.32	-88.3	6.4	6.4
3,345.0	4.10	196.70	3,340.6	-130.0	2.3	0.42	-0.42	0.00	-103.2	6.4	6.4
3,536.0	2.60	188.60	3,531.2	-140.9	-0.3	0.82	-0.79	-4.24	-114.2	-9.2	-9.2
3,726.0	3.50	207.50	3,721.0	-150.3	-3.6	0.70	0.47	9.95	-120.9	29.7	29.7
3,916.0	2.60	207.50	3,910.7	-159.2	-8.3	0.47	-0.47	0.00	-131.0	29.7	29.7
4,106.0	2.40	211.80	4,100.5	-166.4	-12.3	0.14	-0.11	2.26	-136.7	39.7	39.7
4,296.0	2.30	216.80	4,290.4	-172.9	-16.7	0.12	-0.05	2.63	-140.5	51.8	51.8
4,486.0	1.60	191.70	4,480.2	-178.5	-19.5	0.57	-0.37	-13.21	-155.3	-14.3	-14.3
4,676.0	2.20	162.60	4,670.1	-184.6	-19.0	0.59	0.32	-15.32	-134.7	-89.3	-89.3



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

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,866.0	2.80	149.00	4,860.0	-192.1	-15.5	0.44	0.32	-7.16	-118.1	-119.4
5,056.0	3.20	133.90	5,049.7	-199.7	-9.3	0.46	0.21	-7.95	-92.6	-147.3
5,230.0	2.70	131.40	5,223.5	-205.8	-2.7	0.30	-0.29	-1.44	-95.1	-151.4
5,420.0	3.00	187.10	5,413.3	-213.7	0.0	1.41	0.16	29.32	-183.8	-2.4
5,610.0	4.70	218.80	5,602.9	-224.7	-5.5	1.40	0.89	16.68	-156.0	92.2
5,800.0	3.20	239.70	5,792.4	-233.4	-14.9	1.08	-0.79	11.00	-110.5	132.0
5,989.0	2.60	251.80	5,981.2	-237.4	-23.6	0.45	-0.32	6.40	-77.8	138.0
6,180.0	2.70	251.10	6,172.0	-240.2	-31.9	0.06	0.05	-0.37	-76.0	121.7
6,370.0	0.60	347.80	6,361.9	-240.7	-36.4	1.49	-1.11	50.89	113.0	54.9
6,560.0	0.50	359.40	6,551.9	-238.9	-36.6	0.08	-0.05	6.11	101.7	24.4
6,750.0	0.80	355.20	6,741.9	-236.8	-36.7	0.16	0.16	-2.21	79.7	23.6
6,940.0	1.00	340.30	6,931.9	-233.9	-37.4	0.16	0.11	-7.84	53.0	30.5
7,129.0	0.90	338.40	7,120.8	-231.0	-38.5	0.06	-0.05	-1.01	34.4	19.3
7,319.0	0.80	325.70	7,310.8	-228.5	-39.8	0.11	-0.05	-6.68	15.1	10.2
7,509.0	0.80	324.40	7,500.8	-226.3	-41.3	0.01	0.00	-0.68	2.9	-3.0
7,699.0	0.70	338.30	7,690.8	-224.1	-42.5	0.11	-0.05	7.32	-3.8	-6.3
7,888.0	0.60	301.80	7,879.8	-222.5	-43.8	0.22	-0.05	-19.31	-1.2	-8.0
8,078.0	1.10	279.00	8,069.7	-221.7	-46.4	0.31	0.26	-12.00	-0.7	-8.3
8,269.0	1.00	269.70	8,260.7	-221.5	-49.9	0.10	-0.05	-4.87	-2.8	-8.6
8,459.0	0.90	256.70	8,450.7	-221.8	-53.0	0.12	-0.05	-6.84	-4.0	-9.4
8,649.0	0.80	206.30	8,640.7	-223.3	-55.0	0.38	-0.05	-26.53	2.4	-10.2
8,839.0	0.80	206.70	8,830.6	-225.7	-56.2	0.00	0.00	0.21	-0.3	-10.2
9,029.0	1.10	234.30	9,020.6	-228.0	-58.3	0.28	0.16	14.53	-8.0	-8.2
9,219.0	1.20	262.30	9,210.6	-229.3	-61.8	0.30	0.05	14.74	-14.5	-2.7
9,409.0	1.50	270.70	9,400.5	-229.5	-66.2	0.19	0.16	4.42	-19.2	-0.2
9,599.0	2.60	276.80	9,590.4	-229.0	-73.0	0.59	0.58	3.21	-25.9	2.1
9,789.0	1.80	155.50	9,780.3	-231.2	-76.0	2.03	-0.42	-63.84	10.9	-26.9



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MD Reference: KB = 25 @ 3548.0usft
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)	DLog ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
9,978.0	0.70	173.90	9,969.3	-235.0	-74.7	0.61	-0.58	9.74	-2.1	-28.1	
10,168.0	0.30	332.00	10,159.3	-235.8	-74.8	0.52	-0.21	83.21	-8.0	27.2	
10,358.0	1.00	39.20	10,349.3	-234.0	-74.0	0.49	0.37	35.37	20.2	18.3	
10,547.0	1.30	30.30	10,538.2	-230.9	-71.8	0.18	0.16	-4.71	13.3	21.0	
10,737.0	2.00	19.60	10,728.1	-225.9	-69.6	0.40	0.37	-5.63	3.8	22.7	
10,927.0	3.00	110.30	10,918.0	-224.5	-63.9	1.91	0.53	47.74	17.7	-0.7	
11,117.0	1.70	117.40	11,107.9	-227.5	-56.7	0.70	-0.68	3.74	9.7	-2.3	
11,307.0	1.90	146.60	11,297.8	-231.5	-52.5	0.49	0.11	15.37	1.8	-5.4	
11,497.0	1.60	171.80	11,487.7	-236.7	-50.4	0.43	-0.16	13.26	-6.2	-4.3	
11,686.0	1.20	181.10	11,676.6	-241.3	-50.0	0.24	-0.21	4.92	-11.4	-2.8	
11,723.0	1.20	166.70	11,713.6	-242.1	-49.9	0.81	0.00	-38.92	-11.1	-5.6	
11,829.0	1.40	171.90	11,819.6	-244.4	-49.5	0.22	0.19	4.91	-14.0	-4.5	
11,924.0	1.50	22.00	11,914.6	-244.4	-48.9	2.95	0.11	-157.79	14.1	-3.7	
11,971.0	10.50	8.10	11,961.3	-239.6	-48.0	19.26	19.15	-29.57	9.7	-0.3	
11,998.9	14.73	4.11	11,988.5	-233.6	-47.4	15.46	15.16	-14.29	3.6	0.2	
KOP(RR 25 St Com #705H)											
12,019.0	17.80	2.40	12,007.8	-227.9	-47.1	15.46	15.28	-8.52	-1.6	0.2	
12,066.0	17.20	0.70	12,052.6	-213.8	-46.7	1.68	-1.28	-3.62	-11.6	-0.2	
12,114.0	16.70	354.20	12,098.5	-199.9	-47.3	4.08	-1.04	-13.54	-16.5	-1.4	
12,145.0	17.50	352.70	12,128.2	-190.8	-48.4	2.95	2.58	-4.84	-17.2	-0.9	
12,167.0	17.90	353.80	12,149.1	-184.2	-49.2	2.37	1.82	5.00	-16.7	0.3	
12,178.3	17.86	355.19	12,159.9	-180.7	-49.5	3.80	-0.36	12.33	-16.1	1.0	
HL Crossing, MD:12178.3, TVD:12159.9, N/S:-180.8, E/W:-49.4, INC:17.83											
12,209.0	17.80	359.00	12,189.1	-171.3	-50.0	3.80	-0.19	12.40	-12.8	2.5	
12,256.0	22.20	3.20	12,233.3	-155.3	-49.6	9.84	9.36	8.94	-5.6	2.4	
12,304.0	30.10	0.50	12,276.3	-134.1	-49.0	16.64	16.46	-5.62	1.1	1.3	
12,351.0	34.90	2.40	12,315.9	-108.9	-48.3	10.44	10.21	4.04	7.1	0.2	



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12,389.0	41.60	3.40	12,353.6	-79.3	-46.8	14.02	13.96	2.08	13.1	-1.9	
12,404.7	42.61	3.48	12,357.9	-75.4	-46.6	17.68	17.66	1.45	13.7	-2.1	
FTP(RR 25 St Com #705H)											
12,446.0	49.90	4.00	12,386.4	-45.7	-44.6	17.68	17.66	1.25	17.3	-4.5	
12,494.0	57.10	4.00	12,414.9	-7.2	-41.9	15.00	15.00	0.00	19.7	-7.4	
12,541.0	62.20	359.60	12,438.7	33.3	-40.7	13.52	10.85	-9.36	21.9	-8.2	
12,589.0	67.90	359.10	12,458.9	76.8	-41.2	11.91	11.87	-1.04	23.8	-7.9	
12,684.0	82.60	0.00	12,483.0	168.4	-41.9	15.50	15.47	0.95	24.2	-7.9	
12,748.0	92.80	0.80	12,485.6	232.3	-41.4	15.99	15.94	1.25	20.7	-8.8	
12,779.0	92.50	359.70	12,484.2	263.2	-41.3	3.67	-0.97	-3.55	19.3	-9.2	
12,874.0	92.40	357.90	12,480.1	358.1	-43.3	1.90	-0.11	-1.89	16.7	-7.8	
12,969.0	94.10	359.10	12,474.7	452.9	-45.8	2.19	1.79	1.26	12.9	-6.0	
13,064.0	94.60	357.00	12,467.5	547.6	-49.0	2.27	0.53	-2.21	7.2	-3.5	
13,159.0	92.90	356.20	12,461.3	642.2	-54.6	1.98	-1.79	-0.84	2.5	1.5	
13,222.0	87.30	356.10	12,461.2	705.1	-58.8	8.89	-8.89	-0.16	3.4	5.3	
13,254.0	87.00	355.70	12,462.8	736.9	-61.1	1.56	-0.94	-1.25	5.5	7.4	
13,349.0	89.10	359.10	12,466.0	831.8	-65.4	4.20	2.21	3.58	10.3	11.0	
13,444.0	88.00	1.70	12,468.4	926.7	-64.8	2.97	-1.16	2.74	14.2	9.7	
13,539.0	88.10	2.30	12,471.6	1,021.6	-61.5	0.64	0.11	0.63	19.0	5.7	
13,634.0	90.60	2.40	12,472.7	1,116.5	-57.6	2.63	2.63	0.11	21.6	1.1	
13,729.0	90.30	2.80	12,472.0	1,211.4	-53.3	0.53	-0.32	0.42	22.4	-3.8	
13,824.0	85.60	1.30	12,475.4	1,306.3	-49.9	5.19	-4.95	-1.58	27.3	-7.9	
13,919.0	88.00	1.50	12,480.7	1,401.1	-47.5	2.54	2.53	0.21	34.1	-10.9	
14,013.0	88.00	358.60	12,484.0	1,495.0	-47.5	3.08	0.00	-3.09	38.9	-11.7	
14,017.2	88.06	358.32	12,484.1	1,499.2	-47.6	6.79	1.46	-6.64	39.1	-11.6	
TGT 1(RR 25 St Com #705H)											
14,108.0	89.40	352.30	12,486.1	1,589.6	-55.0	6.79	1.47	-6.63	41.8	-4.8	



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14,203.0	89.90	353.30	12,486.7	1,683.9	-66.9	1.18	0.53	1.05	43.1	6.4	
14,298.0	92.40	353.60	12,484.8	1,778.2	-77.7	2.65	2.63	0.32	41.8	16.5	
14,393.0	94.20	7.00	12,479.3	1,872.9	-77.2	14.21	1.89	14.11	36.9	15.5	
14,487.0	89.60	5.40	12,476.2	1,966.2	-67.1	5.18	-4.89	-1.70	34.4	4.7	
14,582.0	94.00	7.40	12,473.2	2,060.6	-56.5	5.09	4.63	2.11	32.0	-6.5	
14,677.0	90.20	4.90	12,469.7	2,154.9	-46.4	4.79	-4.00	-2.63	29.2	-17.3	
14,772.0	88.80	5.10	12,470.5	2,249.6	-38.1	1.49	-1.47	0.21	30.7	-26.3	
14,867.0	93.10	4.20	12,469.0	2,344.2	-30.4	4.62	4.53	-0.95	29.8	-34.6	
14,961.0	91.80	1.30	12,465.0	2,438.0	-25.9	3.38	-1.38	-3.09	26.3	-39.8	
15,056.0	90.20	358.40	12,463.3	2,533.0	-26.1	3.49	-1.68	-3.05	25.2	-40.3	
15,151.0	90.20	358.60	12,463.0	2,627.9	-28.6	0.21	0.00	0.21	25.5	-38.5	
15,246.0	89.50	358.50	12,463.2	2,722.9	-31.0	0.74	-0.74	-0.11	26.4	-36.7	
15,341.0	92.10	359.30	12,461.9	2,817.9	-32.8	2.86	2.74	0.84	25.7	-35.6	
15,436.0	89.70	359.10	12,460.4	2,912.8	-34.2	2.54	-2.53	-0.21	24.8	-34.9	
15,523.1	89.88	358.37	12,460.7	3,000.0	-36.1	0.87	0.21	-0.84	25.7	-33.6	
TOT 2(RR 25 St Com #705H)											
15,531.0	89.90	358.30	12,460.7	3,007.8	-36.3	0.87	0.21	-0.84	25.8	-33.4	
15,626.0	87.70	357.30	12,462.7	3,102.7	-40.0	2.54	-2.32	-1.05	26.7	-30.4	
15,720.0	90.00	358.30	12,464.6	3,196.6	-43.6	2.67	2.45	1.06	31.6	-27.5	
15,815.0	87.10	359.70	12,467.0	3,291.6	-45.2	3.39	-3.05	1.47	34.9	-26.5	
15,910.0	88.00	0.00	12,471.1	3,386.5	-45.5	1.00	0.95	0.32	39.9	-26.9	
16,005.0	89.80	1.00	12,472.9	3,481.5	-44.7	2.17	1.89	1.05	42.7	-28.4	
16,100.0	93.50	0.00	12,470.2	3,576.4	-43.8	4.03	3.89	-1.05	40.9	-29.9	
16,195.0	93.90	357.70	12,464.0	3,671.2	-45.7	2.45	0.42	-2.42	35.7	-28.7	
16,290.0	95.20	357.70	12,456.5	3,765.8	-49.5	1.37	1.37	0.00	29.1	-25.6	
16,382.0	93.00	357.60	12,449.9	3,857.5	-53.3	2.39	-2.39	-0.11	23.5	-22.4	
16,477.0	91.30	354.90	12,446.3	3,952.2	-59.5	3.36	-1.79	-2.84	20.9	-16.9	



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3548.0usft
Site:	Red Raider 25 State	MD Reference:	KB = 25 @ 3548.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	EW (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)
16,525.2	89.73	355.41	12,445.9	4,000.3	-63.6	3.43	-3.26	1.05	20.9	-13.1
TGT 3(RR 25 St Com #705H)										
16,572.0	88.20	355.90	12,446.8	4,046.9	-67.1	3.43	-3.26	1.05	22.3	-9.9
16,667.0	88.10	359.10	12,449.8	4,141.7	-71.3	3.37	-0.11	3.37	28.4	-6.4
16,762.0	90.60	359.50	12,450.9	4,236.7	-72.4	2.67	2.63	0.42	28.6	-5.9
16,857.0	92.00	358.70	12,448.7	4,331.7	-73.9	1.70	1.47	-0.84	27.5	-5.1
16,952.0	91.70	357.60	12,445.7	4,426.6	-77.0	1.20	-0.32	-1.16	25.5	-2.7
17,047.0	95.20	358.00	12,440.0	4,521.3	-80.6	3.71	3.68	0.42	20.8	0.3
17,142.0	89.90	359.10	12,435.7	4,616.1	-83.0	5.70	-5.58	1.16	17.7	2.0
17,237.0	91.40	0.40	12,434.7	4,711.1	-83.4	2.09	1.58	1.37	17.7	1.7
17,332.0	89.80	2.00	12,433.7	4,806.1	-81.4	2.38	-1.68	1.68	17.7	-0.9
17,352.0	92.00	4.50	12,433.4	4,826.1	-80.3	16.65	11.00	12.50	17.7	-2.2
Final MWD Survey (MD=17352.0)										
17,412.0	92.00	4.50	12,431.3	4,885.8	-75.6	0.00	0.00	0.00	16.3	-7.3
PBHL(RR 25 St Com #705H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
12,178.3	12,159.9	-180.7	-49.5	HL Crossing, MD:12178.3', TVD:12159.9', N/S:-180.8', E/W:-49.4', INC:17.63
17,352.0	12,433.4	4,826.1	-80.3	Final MWD Survey (MD=17352.0')
17,412.0	12,431.3	4,885.8	-75.6	Final Projection to Bit (MD=17412.0')

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

Red Raider 25 State #705H

Plan #3



To convert a Magnetic Direction to a Grid Direction, Add 5.37°
To convert a Magnetic Direction to a True Direction, Add 5.30° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

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 @ 3648.00ft 3523.0
Northing 430917.00 Easting 791472.00 Latitude 32° 10' 55.904 N Longitude 103° 31' 29.376 W

SECTION DETAILS

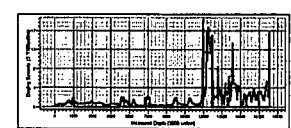
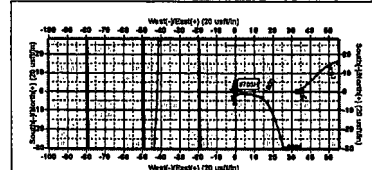
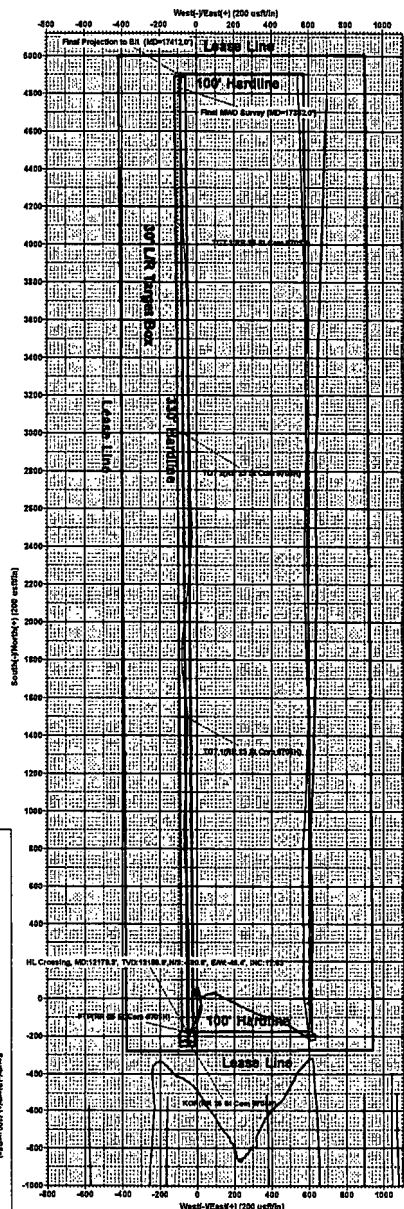
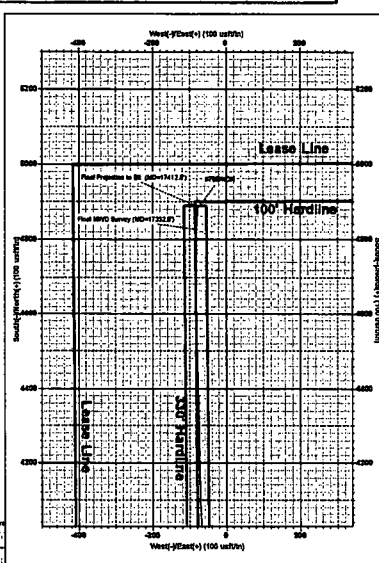
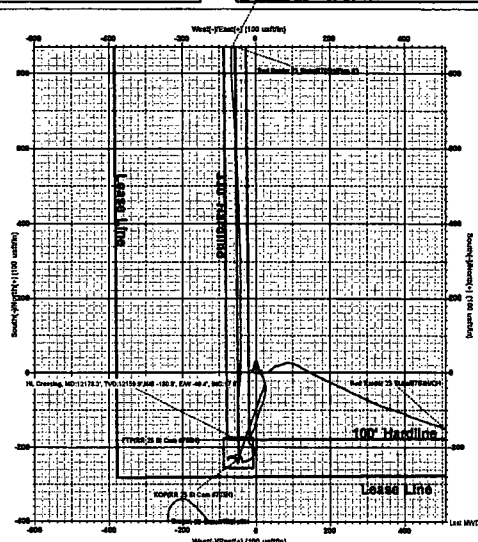
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	Vsect	Target
1	1355.0	4.14	162.68	1354.1	-22.2	23.7	0.00	0.00	-22.6	
2	1561.8	0.00	0.00	1560.7	-29.3	25.9	2.00	-180.00	-29.8	
3	5301.1	0.00	0.00	5300.0	-29.3	25.9	0.00	0.00	-29.8	
4	5595.8	5.89	199.98	5594.2	-43.6	20.8	2.00	199.98	-43.9	
5	7379.8	5.89	199.98	7368.8	-215.8	-41.8	0.00	0.00	-215.0	
6	7674.6	0.00	359.60	7663.0	-230.0	-47.0	2.00	180.00	-229.2	
7	11999.2	0.00	359.60	11987.6	-230.0	-47.0	0.00	0.00	-229.2	KOP(RR 25 St Com #705H)
8	12758.8	90.92	359.60	12485.0	255.1	-50.4	12.00	359.60	255.9	TGT 1(RR 25 St Com #705H)
9	14001.1	90.92	359.60	12445.0	1499.2	-59.1	0.00	0.00	1500.0	TGT 2(RR 25 St Com #705H)
10	14028.3	90.38	359.60	12444.7	1526.4	-59.3	2.00	180.00	1527.2	TGT 3(RR 25 St Com #705H)
11	15501.3	60.38	359.60	12435.0	2999.3	-69.7	0.00	0.00	3000.1	
12	15511.1	90.57	359.60	12434.9	3009.1	-69.7	2.00	0.00	3009.9	
13	16501.3	90.57	359.60	12425.0	3999.3	-76.7	0.00	0.00	4000.0	
14	16504.9	90.54	359.60	12425.0	4002.8	-76.7	2.00	0.00	4003.6	
15	17390.1	90.54	359.60	12415.0	4888.0	-82.9	0.00	0.00	4888.7	PBHL(RR 25 St Com #705H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(RR 25 St Com #705H)	11987.6	-230.0	-47.0	430887.00	791425.00
PBHL(RR 25 St Com #705H)	12415.0	-82.9	-435805.02	791389.07	
TGT 1(RR 25 St Com #705H)	12425.0	-59.3	-76.7	434916.30	791505.91
TGT 2(RR 25 St Com #705H)	12435.0	-69.7	-433916.30	791422.33	
TGT 3(RR 25 St Com #705H)	12445.0	-69.1	-432416.20	791412.06	
PT(RR 25 St Com #705H)	12485.0	-180.0	-47.0	430737.00	791425.00



Lea County, NM (NAD 83 NME)
Red Raider 25 State #705H
Plan #3
11.11.2009 10:00 AM