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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Nautilus 16 State Com

#712H

OH

Design: OH

Midland PVA

23 April, 2018



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #712H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3348.0usft
Site:	Nautilus 16 State Com	MD Reference:	KB = 25 @ 3348.0usft
Well:	#712H	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	Nautilus 16 State Com		
Site Position:		Northing:	383,047.00 usft
From:	Map	Easting:	806,402.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 0.681 N
		Longitude:	103° 28' 40.085 W
		Grid Convergence:	0.45 °

Well	#712H		
Well Position	+N/-S	0.0 usft	Northing: 383,077.00 usft
	+E/-W	0.0 usft	Easting: 807,999.00 usft
Position Uncertainty	0.0 usft		Latitude: 32° 3' 0.852 N
			Longitude: 103° 28' 21.527 W
		Wellhead Elevation:	usft
		Ground Level:	3,323.0 usft

Wellbore:	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/9/2018	6.83	59.91	47,787.83987500

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	184.59



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Survey Program		Date	4/23/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
129.0	5,216.0	Integrity MWD (OH)	MWD	OWSG MWD - Standard	
5,350.0	17,563.0	Intrepid MWD (OH)	MWD	OWSG MWD - Standard	

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
129.0	0.70	200.80	129.0	-0.7	-0.3	0.54	0.54	0.00	0.0	0.0
315.0	0.70	24.30	315.0	-0.8	-0.2	0.75	0.00	-94.89	0.0	0.0
492.0	0.70	19.80	492.0	1.2	0.6	0.03	0.00	-2.54	0.0	0.0
666.0	0.70	36.30	666.0	3.1	1.6	0.12	0.00	9.48	0.0	0.0
830.0	0.90	36.50	830.0	4.9	2.9	0.12	0.12	0.12	0.0	0.0
947.0	1.00	33.50	946.9	6.5	4.1	0.10	0.09	-2.56	0.0	0.0
1,121.0	0.90	37.30	1,120.9	8.9	5.7	0.07	-0.06	2.18	0.0	0.0
1,296.0	0.20	281.30	1,295.9	10.0	6.3	0.57	-0.40	-66.29	0.0	0.0
1,470.0	0.80	241.30	1,469.9	9.5	4.9	0.38	0.34	-22.99	0.0	0.0
1,645.0	1.30	239.60	1,644.9	7.9	2.1	0.29	0.29	-0.97	0.0	0.0
1,818.0	1.90	221.50	1,817.8	4.8	-1.5	0.45	0.35	-10.46	0.0	0.0
1,992.0	2.00	229.20	1,991.7	0.6	-5.7	0.16	0.06	4.43	0.0	0.0
2,167.0	1.60	233.00	2,166.6	-2.8	-10.0	0.24	-0.23	2.17	0.0	0.0
2,341.0	2.50	229.80	2,340.5	-6.7	-14.8	0.52	0.52	-1.84	0.0	0.0
2,513.0	1.50	257.90	2,512.4	-9.6	-19.9	0.80	-0.58	16.34	0.0	0.0
2,692.0	1.00	270.30	2,691.4	-10.1	-23.7	0.32	-0.28	6.93	0.0	0.0
2,867.0	0.70	318.60	2,866.3	-9.3	-26.0	0.43	-0.17	27.60	0.0	0.0
3,041.0	1.70	20.40	3,040.3	-6.1	-25.8	0.86	0.57	35.52	0.0	0.0
3,216.0	2.50	49.30	3,215.2	-1.2	-22.0	0.74	0.46	16.51	0.0	0.0
3,390.0	2.70	49.40	3,389.0	4.0	-16.0	0.11	0.11	0.06	0.0	0.0



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Well:	#712H	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)	
3,565.0	3.30	49.10	3,563.8	10.0	-9.0	0.34	0.34	-0.17	0.0	0.0	
3,652.0	2.70	43.80	3,650.6	13.1	-5.7	0.76	-0.69	-6.09	0.0	0.0	
3,740.0	1.80	28.80	3,738.6	15.8	-3.6	1.21	-1.02	-17.05	0.0	0.0	
3,914.0	2.10	1.10	3,912.5	21.4	-2.2	0.56	0.17	-15.92	0.0	0.0	
4,089.0	1.80	12.20	4,087.4	27.3	-1.6	0.27	-0.17	6.34	0.0	0.0	
4,263.0	1.80	350.00	4,261.3	32.6	-1.5	0.40	0.00	-12.76	0.0	0.0	
4,445.0	2.70	335.90	4,443.2	39.3	-3.7	0.58	0.49	-7.75	0.0	0.0	
4,620.0	3.10	14.90	4,617.9	47.7	-4.2	1.13	0.23	22.29	0.0	0.0	
4,795.0	2.40	23.80	4,792.7	55.6	-1.5	0.47	-0.40	5.09	0.0	0.0	
4,969.0	0.70	53.00	4,966.7	59.6	0.8	1.05	-0.98	16.78	0.0	0.0	
5,144.0	0.80	149.30	5,141.7	59.2	2.3	0.64	0.06	55.03	0.0	0.0	
5,216.0	0.80	151.20	5,213.7	58.3	2.8	0.04	0.00	2.64	0.0	0.0	
5,350.0	1.30	183.50	5,347.6	56.0	3.1	0.56	0.37	24.10	0.0	0.0	
5,537.0	3.90	270.50	5,534.5	53.9	-3.4	2.16	1.39	46.52	0.0	0.0	
5,724.0	7.30	276.30	5,720.6	55.3	-21.5	1.84	1.82	3.10	0.0	0.0	
5,911.0	8.70	279.70	5,905.7	58.9	-47.3	0.79	0.75	1.82	0.0	0.0	
6,099.0	9.10	284.30	6,091.5	65.0	-75.7	0.43	0.21	2.45	0.0	0.0	
6,286.0	9.00	282.90	6,276.1	71.9	-104.3	0.13	-0.05	-0.75	2.4	-0.9	
6,472.0	8.30	282.20	6,460.0	78.0	-131.6	0.38	-0.38	-0.38	12.7	-4.0	
6,660.0	8.70	279.50	6,646.0	83.2	-158.9	0.30	0.21	-1.44	24.1	-5.3	
6,846.0	9.10	279.10	6,829.7	87.9	-187.3	0.22	0.22	-0.22	33.8	-6.1	
7,032.0	9.00	277.50	7,013.4	92.1	-216.2	0.15	-0.05	-0.86	43.3	-5.5	
7,218.0	8.50	276.30	7,197.2	95.5	-244.3	0.29	-0.27	-0.65	53.6	-4.0	
7,405.0	8.10	275.60	7,382.3	98.3	-271.2	0.22	-0.21	-0.37	65.4	-2.1	
7,594.0	7.50	270.70	7,569.5	99.8	-296.7	0.47	-0.32	-2.59	78.6	7.0	
7,781.0	4.70	267.20	7,755.4	99.5	-316.6	1.51	-1.50	-1.87	90.4	17.0	
7,967.0	4.30	262.60	7,940.9	98.3	-331.1	0.29	-0.22	-2.47	93.6	28.9	



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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)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
8,154.0	1.70	266.20	8,127.6	97.2	-340.8	1.39	-1.39	1.93	93.0	25.0	
8,341.0	1.60	253.10	8,314.5	96.2	-346.1	0.21	-0.05	-7.01	79.7	44.9	
8,528.0	1.10	247.80	8,501.5	94.8	-350.3	0.28	-0.27	-2.83	70.8	51.8	
8,716.0	1.20	244.30	8,689.4	93.3	-353.7	0.06	0.05	-1.86	63.7	55.9	
8,904.0	1.10	263.30	8,877.4	92.2	-357.3	0.21	-0.05	10.11	74.8	32.8	
9,092.0	1.70	295.00	9,065.3	93.2	-361.6	0.51	0.32	16.86	76.5	-10.5	
9,279.0	1.70	289.10	9,252.3	95.2	-366.7	0.09	0.00	-3.16	71.7	-2.9	
9,466.0	1.60	285.10	9,439.2	96.8	-371.9	0.08	-0.05	-2.14	66.3	2.0	
9,654.0	1.50	291.10	9,627.1	98.4	-376.7	0.10	-0.05	3.19	61.1	-4.7	
9,841.0	1.50	303.40	9,814.0	100.6	-381.0	0.17	0.00	6.58	53.8	-17.1	
10,029.0	1.90	264.20	10,002.0	101.7	-386.2	0.64	0.21	-20.85	47.5	19.2	
10,216.0	3.10	250.20	10,188.8	99.6	-394.0	0.72	0.64	-7.49	33.4	29.4	
10,404.0	1.50	17.00	10,376.7	100.3	-398.1	2.22	-0.85	67.45	4.1	-40.3	
10,590.0	2.00	7.40	10,562.6	105.8	-397.0	0.31	0.27	-5.16	5.1	-39.4	
10,777.0	2.10	28.80	10,749.5	112.1	-394.9	0.41	0.05	11.44	-16.1	-37.4	
10,962.0	1.10	46.30	10,934.4	116.3	-392.0	0.60	-0.54	9.46	-31.6	-29.8	
11,150.0	0.90	89.80	11,122.4	117.5	-389.2	0.41	-0.11	23.14	-46.2	1.4	
11,336.0	2.10	214.60	11,308.4	114.7	-389.7	1.46	0.65	67.10	24.9	38.4	
11,524.0	1.50	199.40	11,496.3	109.6	-392.4	0.41	-0.32	-8.09	8.2	42.7	
11,712.0	2.80	267.70	11,684.2	107.1	-397.9	1.41	0.69	36.33	37.2	10.5	
11,899.0	3.40	245.30	11,870.9	104.5	-407.5	0.72	0.32	-11.98	20.6	22.1	
12,052.0	3.30	226.70	12,023.6	99.6	-414.8	0.71	-0.07	-12.16	3.8	26.1	
12,196.0	2.90	247.90	12,167.4	95.4	-421.2	0.84	-0.28	14.72	5.4	24.4	
12,290.0	2.80	214.70	12,261.3	92.6	-424.7	1.73	-0.11	-35.31	-13.1	22.1	
12,384.0	8.40	186.10	12,354.9	83.9	-426.7	6.48	5.96	-30.43	-30.4	12.0	
12,477.0	23.30	187.60	12,444.1	58.8	-429.9	16.03	16.02	1.61	-41.6	10.9	
12,524.0	29.00	187.70	12,486.2	38.3	-432.7	12.13	12.13	0.21	-48.5	8.7	



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12,571.0	33.10	183.20	12,526.5	14.1	-434.9	10.02	8.72	-9.57	-54.6	2.8
12,618.0	38.50	179.60	12,564.6	-13.3	-435.5	12.33	11.49	-7.66	-59.0	-1.2
12,665.0	43.20	178.20	12,600.2	-44.0	-434.9	10.19	10.00	-2.98	-62.2	-2.0
12,712.0	48.00	177.30	12,633.0	-77.6	-433.6	10.30	10.21	-1.91	-64.0	-1.5
12,759.0	50.80	177.00	12,663.6	-113.2	-431.8	5.98	5.96	-0.64	-63.7	-0.1
12,806.0	53.00	177.10	12,692.6	-150.2	-429.9	4.68	4.68	0.21	-60.0	1.9
12,823.4	54.89	178.08	12,702.9	-164.2	-429.3	11.75	10.83	5.64	-57.9	3.0
FTP Crossing 12823.4' MD; 12702.9' TVD; -164.2' -429.3' 54.89										
12,852.0	58.00	179.60	12,718.7	-188.0	-428.8	11.75	10.89	5.31	-54.2	4.0
12,899.0	63.30	181.60	12,741.7	-229.0	-429.3	11.87	11.28	4.26	-47.3	3.7
12,946.0	69.80	184.10	12,760.4	-272.0	-431.4	14.67	13.84	5.32	-40.3	1.3
12,993.0	75.60	185.10	12,774.4	-316.7	-435.0	12.51	12.34	2.13	-33.4	-3.1
13,039.0	77.50	183.80	12,785.1	-361.3	-438.5	4.96	4.13	-2.83	-24.9	-7.4
13,086.0	80.00	182.60	12,794.2	-407.3	-441.1	5.88	5.32	-2.55	-15.7	-10.3
13,133.0	85.80	181.60	12,800.0	-453.9	-442.8	12.52	12.34	-2.13	-9.9	-12.3
13,226.0	92.10	182.20	12,801.7	-546.8	-445.9	6.80	6.77	0.65	-8.2	-16.2
13,320.0	93.20	181.20	12,797.4	-640.7	-448.7	1.58	1.17	-1.06	-12.5	-19.8
13,414.0	89.90	178.60	12,794.8	-734.6	-448.5	4.47	-3.51	-2.77	-15.1	-20.5
13,507.0	90.00	178.00	12,794.9	-827.6	-445.7	0.65	0.11	-0.65	-15.0	-18.5
13,601.0	87.80	177.30	12,796.7	-921.5	-441.9	2.46	-2.34	-0.74	-13.2	-15.5
13,695.0	88.50	176.80	12,799.8	-1,015.3	-437.0	0.91	0.74	-0.53	-10.2	-11.5
13,788.0	88.30	175.70	12,802.4	-1,108.0	-431.0	1.20	-0.22	-1.18	-7.6	-6.2
13,882.0	88.90	178.20	12,804.7	-1,201.9	-426.0	2.73	0.64	2.66	-5.3	-2.0
13,977.0	91.30	181.90	12,804.5	-1,296.8	-426.1	4.64	2.53	3.89	-5.5	-2.9
14,071.0	90.50	179.80	12,803.0	-1,390.8	-427.4	2.39	-0.85	-2.23	-7.0	-5.1
14,164.0	90.40	178.10	12,802.3	-1,483.8	-425.7	1.83	-0.11	-1.83	-7.7	-4.2
14,257.0	90.30	176.40	12,801.7	-1,576.7	-421.3	1.83	-0.11	-1.83	-8.3	-0.6



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14,351.0	89.10	177.80	12,802.2	-1,670.6	-416.5	1.96	-1.28	1.49	-7.8	3.4	
14,444.0	90.10	177.90	12,802.9	-1,763.5	-413.0	1.08	1.08	0.11	-7.1	6.1	
14,538.0	91.80	177.50	12,801.3	-1,858.4	-409.2	1.84	1.79	-0.42	-8.7	9.0	
14,632.0	92.20	176.80	12,798.0	-1,951.2	-404.6	0.87	0.43	-0.75	-11.9	12.9	
14,726.0	89.10	179.10	12,797.0	-2,045.1	-401.2	4.11	-3.30	2.45	-13.0	15.4	
14,820.0	88.60	179.10	12,798.9	-2,139.1	-399.8	0.53	-0.53	0.00	-11.1	16.1	
14,913.0	88.50	177.80	12,801.2	-2,232.0	-397.3	1.40	-0.11	-1.40	-8.8	17.8	
15,007.0	89.70	178.40	12,802.7	-2,326.0	-394.1	1.43	1.28	0.64	-7.3	20.1	
15,100.0	89.70	178.40	12,803.2	-2,418.9	-391.5	0.00	0.00	0.00	-6.8	21.9	
15,194.0	90.90	181.10	12,802.7	-2,512.9	-391.1	3.14	1.28	2.87	-7.3	21.5	
15,287.0	92.40	181.30	12,800.0	-2,605.9	-393.1	1.63	1.61	0.22	-10.0	18.7	
15,381.0	90.90	183.80	12,797.3	-2,699.7	-397.3	3.10	-1.60	2.66	-12.7	13.7	
15,475.0	87.70	183.00	12,798.4	-2,793.5	-402.8	3.51	-3.40	-0.85	-11.5	7.3	
15,568.0	88.20	182.70	12,801.8	-2,886.4	-407.4	0.63	0.54	-0.32	-8.2	1.9	
15,662.0	87.40	182.20	12,805.4	-2,980.2	-411.5	1.00	-0.85	-0.53	-4.6	-2.9	
15,755.0	92.10	184.00	12,805.8	-3,073.0	-416.5	5.41	5.05	1.94	-4.2	-8.8	
15,848.0	89.60	181.00	12,804.4	-3,165.9	-420.5	4.20	-2.69	-3.23	-5.6	-13.6	
15,942.0	89.50	180.10	12,805.1	-3,259.9	-421.4	0.96	-0.11	-0.96	-4.8	-15.3	
16,035.0	89.50	179.80	12,806.0	-3,352.9	-421.4	0.32	0.00	-0.32	-4.0	-16.1	
16,130.0	88.80	179.10	12,807.4	-3,447.9	-420.5	1.04	-0.74	-0.74	-2.6	-16.0	
16,223.0	90.50	179.80	12,807.9	-3,540.9	-419.6	1.98	1.83	0.75	-2.1	-15.9	
16,315.0	90.20	179.40	12,807.4	-3,632.9	-418.9	0.54	-0.33	-0.43	-2.6	-16.0	
16,410.0	87.20	177.80	12,809.5	-3,727.8	-416.6	3.58	-3.16	-1.68	-0.4	-14.6	
16,502.0	90.80	177.20	12,811.1	-3,819.7	-412.6	3.97	3.91	-0.65	1.1	-11.3	
16,595.0	90.70	175.50	12,809.9	-3,912.5	-406.7	1.83	-0.11	-1.83	-0.1	-6.2	
16,689.0	89.80	174.40	12,809.5	-4,006.2	-398.4	1.51	-0.96	-1.17	-0.5	1.2	
16,783.0	91.70	177.00	12,808.3	-4,099.9	-391.3	3.43	2.02	2.77	-1.7	7.5	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #712H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3348.0usft
Site:	Nautilus 18 State Corn	MD Reference:	KB = 25 @ 3348.0usft
Well:	#712H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	NS (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
16,876.0	92.10	177.80	12,805.2	-4,192.7	-387.1	0.96	0.43	0.86	-4.8	10.9	
16,970.0	90.40	177.60	12,803.1	-4,286.6	-383.4	1.82	-1.81	-0.21	-6.9	13.8	
17,063.0	93.60	179.10	12,799.9	-4,379.5	-380.7	3.80	3.44	1.61	-10.1	15.7	
17,156.0	93.00	179.10	12,794.5	-4,472.4	-379.2	0.65	-0.65	0.00	-15.4	16.4	
17,250.0	91.70	179.20	12,790.7	-4,566.3	-377.8	1.39	-1.38	0.11	-19.3	16.9	
17,343.0	93.20	179.10	12,786.7	-4,659.2	-376.5	1.62	1.61	-0.11	-23.3	17.5	
17,436.0	91.50	179.80	12,782.9	-4,752.1	-375.6	1.98	-1.83	0.75	-27.1	17.6	
Last MWD Survey (MD = 17436.0)											
17,469.9	91.05	179.88	12,782.1	-4,786.0	-375.5	1.36	-1.34	0.24	-27.9	17.4	
LTP Crossing 17469.9' MD; 12782.1' TVD; -4786.0'; -375.5'; 91.05											
17,563.0	89.80	180.10	12,781.5	-4,879.1	-375.5	1.36	-1.34	0.24	-28.5	16.6	
Projection to Bit (MD = 17563.0)											

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
12,823.4	12,702.9	-164.2	-429.3	FTP Crossing 12823.4' MD; 12702.9' TVD; -164.2'; -429.3'; 54.89
17,436.0	12,782.9	-4,752.1	-375.6	Last MWD Survey (MD = 17436.0)
17,469.9	12,782.1	-4,786.0	-375.5	LTP Crossing 17469.9' MD; 12782.1' TVD; -4786.0'; -375.5'; 91.05
17,563.0	12,781.5	-4,879.1	-375.5	Projection to Bit (MD = 17563.0)

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Nautilus 16 State Com

#712H

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



ASPECT TO GRID NORTH
True North 4.45°
Magnetic North 6.83°
Grid North 2.38°
Magnetic Declination 2.38°
Grid Declination 0.00°
Magnetic 10/20/16
Magnetic 10/20/16

To convert a Magnetic Direction to a Grid Direction, Add 6.83°
To convert a Magnetic Direction to a True Direction, Add 6.83° East
To convert a True Direction to a Grid Direction, Subtract 0.45°

WELL DETAILS: #712H

3323.0
KB = 25 @ 3348.0usft
Northing 383077.00 Easting 807999.00 Latitude 32°3' 0.852 N Longitude 103°28' 21.527 W

SECTION DETAILS

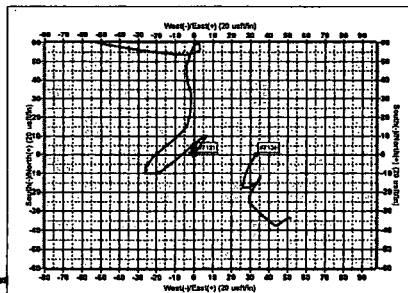
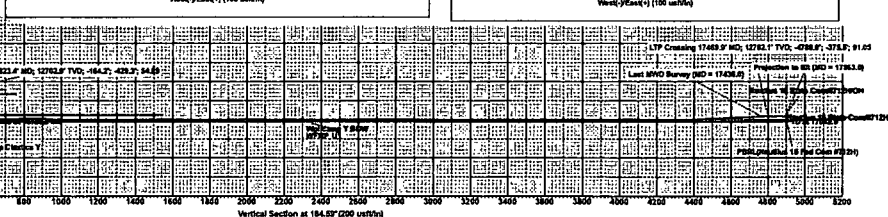
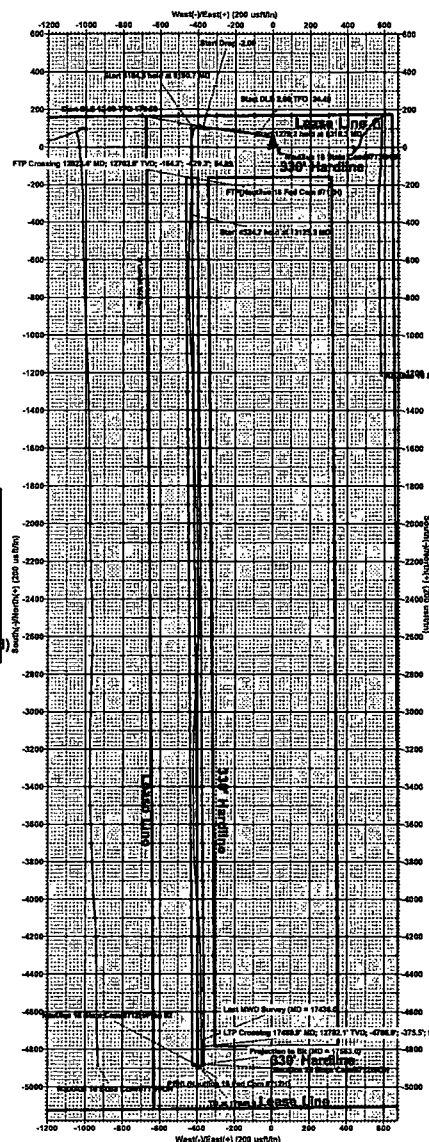
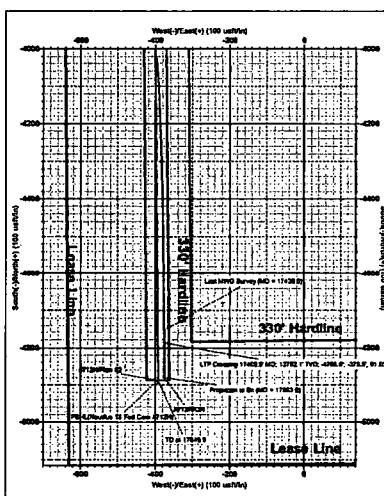
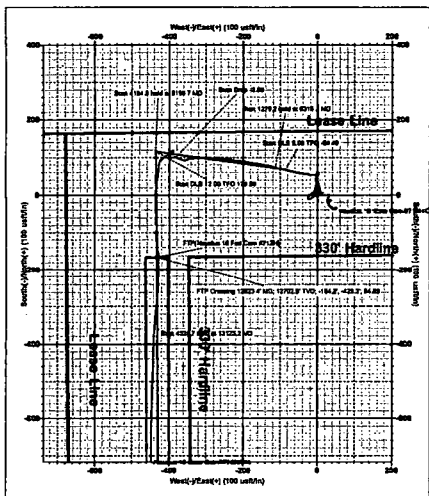
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
6164.0	9.06	283.82	6155.7	67.5	-85.7	0.00	0.00	-60.4	
6316.3	11.90	277.69	6305.4	72.5	-112.9	2.00	-24.49	-63.2	
7595.5	11.90	277.69	7557.1	107.8	-374.4	0.00	0.00	-77.5	
8190.7	0.00	0.00	8148.0	116.0	-435.4	2.00	180.00	-80.8	
12375.2	0.00	0.00	12332.5	116.0	-435.4	0.00	0.00	-80.8	
13125.2	90.00	179.50	12810.0	-361.4	-431.3	12.00	179.50	394.8	
17649.9	90.00	179.50	12810.0	-4886.0	-392.0	0.00	0.00	4901.7	PBHL(Nautilus 16 Fed Com #712H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP(Nautilus 16 Fed Com #712H)	12810.0	-164.0	-433.0	382913.00	807565.00
PBHL(Nautilus 16 Fed Com #712H)	12810.0	-4886.0	-392.0	378191.00	807607.00



Lea County, NM (NAD 83 NME)
Nautilus 16 State Com
#712H
Plan #2