

HOBBS OCD

MAR 14 2019

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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Jolly Roger 16 State

#302H

OH

Design: OH

Midland PVA

01 October, 2018



Midland PVA

Company: EOG Resources - Midland	Local Co-ordinate Reference: Well #302H
Project: Lea County, NM (NAD 83 NME)	TVD Reference: KB = 25 @ 3579.0usft
Site: Jolly Roger 16 State	MD Reference: KB = 25 @ 3579.0usft
Well: #302H	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 Jolly Roger 16 State		
Site Position:	Northing: 445,511.00 usft	Latitude: 32° 13' 18.918 N
From: Map	Easting: 804,489.00 usft	Longitude: 103° 28' 56.577 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.45 "

Well #302H		
Well Position +N/-S 0.0 usft	Northing: 448,415.00 usft	Latitude: 32° 13' 27.759 N
+E/-W 0.0 usft	Easting: 805,612.00 usft	Longitude: 103° 28' 41.093 W
Position Uncertainty 0.0 usft	Wellhead Elevation: usft	Ground Level: 3,554.0 usft

Wellbore OH					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/20/2018	6.78	60.06	47,826.27232103

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	182.82



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

Survey Program		Date	10/1/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
183.0	5,247.0	Cartel 18 MWD 22' KB + 3' (OH)	MWD	OWSG MWD - Standard	
5,382.0	14,962.0	Dritech MWD (OH)	MWD	OWSG MWD - Standard	

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)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.0	0.0	0.0
183.0	0.29	51.93	183.0	0.3	0.4	0.16	0.16	0.00	0.0	0.0	0.0	0.0
335.0	0.17	70.82	335.0	0.6	0.9	0.09	-0.08	12.43	0.0	0.0	0.0	0.0
509.0	0.60	69.14	509.0	1.0	2.0	0.25	0.25	-0.97	0.0	0.0	0.0	0.0
684.0	0.37	108.30	684.0	1.2	3.4	0.22	-0.13	22.38	0.0	0.0	0.0	0.0
858.0	0.71	80.62	858.0	1.5	4.8	0.31	0.20	-27.40	0.0	0.0	0.0	0.0
1,033.0	0.43	51.48	1,033.0	2.4	6.3	0.17	-0.16	-5.22	0.0	0.0	0.0	0.0
1,162.0	0.21	312.99	1,162.0	2.9	6.5	0.39	-0.17	-76.36	0.0	0.0	0.0	0.0
1,252.0	0.14	279.73	1,252.0	3.0	6.3	0.13	-0.08	-36.96	0.0	0.0	0.0	0.0
1,426.0	0.34	299.56	1,426.0	3.3	5.6	0.12	0.11	11.40	0.0	0.0	0.0	0.0
1,601.0	0.26	317.68	1,601.0	3.9	4.9	0.07	-0.05	10.35	0.0	0.0	0.0	0.0
1,776.0	0.06	313.96	1,776.0	4.2	4.6	0.11	-0.11	-2.13	0.0	0.0	0.0	0.0
1,950.0	0.08	346.73	1,950.0	4.4	4.5	0.03	0.01	18.83	0.0	0.0	0.0	0.0
2,125.0	0.34	322.02	2,125.0	4.9	4.1	0.15	0.15	-14.12	0.0	0.0	0.0	0.0
2,299.0	0.40	292.43	2,299.0	5.6	3.2	0.11	0.03	-17.01	0.0	0.0	0.0	0.0
2,474.0	0.39	355.93	2,474.0	6.4	2.6	0.24	-0.01	36.29	0.0	0.0	0.0	0.0
2,648.0	0.41	356.74	2,647.9	7.6	2.6	0.01	0.01	0.47	0.0	0.0	0.0	0.0
2,823.0	0.56	154.97	2,822.9	7.5	2.9	0.54	0.09	90.42	0.0	0.0	0.0	0.0
2,997.0	0.76	130.37	2,996.9	6.0	4.1	0.20	0.11	-14.14	0.0	0.0	0.0	0.0
3,172.0	1.06	180.17	3,171.9	3.6	5.0	0.46	0.17	28.46	0.0	0.0	0.0	0.0
3,346.0	0.49	158.98	3,345.9	1.3	5.3	0.36	-0.33	-12.18	0.0	0.0	0.0	0.0



Midland PVA

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Site:	Jolly Roger 18 State	MD Reference:	KB = 25 @ 3579.0usft
Well:	#302H	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)	
3,520.0	0.47	133.81	3,519.9	0.1	6.0	0.12	-0.01	-14.47	0.0	0.0	
3,694.0	0.43	148.10	3,693.9	-1.0	6.9	0.07	-0.02	8.21	0.0	0.0	
3,869.0	0.09	49.98	3,868.9	-1.4	7.4	0.26	-0.19	-56.07	0.0	0.0	
4,043.0	0.14	5.76	4,042.9	-1.1	7.5	0.06	0.03	-25.41	0.0	0.0	
4,218.0	0.23	38.47	4,217.9	-0.6	7.7	0.08	0.05	18.89	0.0	0.0	
4,393.0	0.26	25.67	4,392.9	0.0	8.1	0.04	0.02	-7.31	0.0	0.0	
4,567.0	0.45	77.46	4,566.9	0.5	9.0	0.20	0.11	29.76	0.0	0.0	
4,742.0	0.86	251.79	4,741.9	0.2	8.4	0.75	0.23	99.62	0.0	0.0	
4,916.0	0.31	123.64	4,915.9	-0.4	7.5	0.62	-0.32	-73.65	0.0	0.0	
5,090.0	1.02	249.61	5,089.9	-1.2	6.5	0.71	0.41	72.40	0.0	0.0	
5,247.0	4.23	279.85	5,246.7	-0.7	-0.5	2.16	2.04	19.26	0.0	0.0	
5,382.0	3.90	281.40	5,381.3	1.0	-10.0	0.26	-0.24	1.15	0.6	-0.2	
5,571.0	6.80	280.10	5,569.5	4.3	-27.3	1.54	1.53	-0.89	5.4	-0.9	
5,666.0	8.60	277.50	5,663.6	6.2	-39.9	1.93	1.89	-2.74	7.5	-0.8	
5,760.0	9.50	277.60	5,756.5	8.1	-54.5	0.96	0.96	0.11	7.2	-0.7	
5,949.0	9.20	276.00	5,943.0	11.8	-85.0	0.21	-0.16	-0.85	5.8	0.1	
6,138.0	8.90	275.10	6,129.6	14.6	-114.6	0.18	-0.16	-0.48	5.3	1.4	
6,326.0	8.50	286.80	6,315.5	20.0	-142.4	0.96	-0.21	6.22	6.1	-1.2	
6,515.0	9.10	298.70	6,502.2	31.2	-168.9	1.01	0.32	6.30	5.2	-5.2	
6,704.0	8.90	297.50	6,688.9	45.1	-194.9	0.15	-0.11	-0.63	4.8	-2.2	
6,893.0	8.40	297.50	6,875.8	58.2	-220.1	0.26	-0.26	0.00	5.5	1.3	
7,082.0	7.60	296.70	7,062.9	70.2	-243.6	0.43	-0.42	-0.42	8.2	5.0	
7,271.0	7.20	293.60	7,250.4	80.6	-265.6	0.30	-0.21	-1.64	11.6	10.1	
7,459.0	4.80	311.60	7,437.3	90.5	-282.3	1.61	-1.28	9.57	13.1	7.4	
7,648.0	1.20	340.50	7,626.0	97.6	-288.8	2.01	-1.90	15.29	10.8	0.5	
7,837.0	1.10	334.20	7,815.0	101.1	-290.3	0.09	-0.05	-3.33	6.9	1.4	
8,026.0	0.90	310.10	8,004.0	103.7	-292.2	0.24	-0.11	-12.75	2.6	3.4	



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Well:	#302H	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)	
8,215.0	0.70	283.40	8,193.0	104.9	-294.5	0.22	-0.11	-14.13	-1.7	3.5	
8,404.0	0.60	282.40	8,381.9	105.4	-296.6	0.05	-0.05	-0.53	-3.9	3.5	
8,592.0	0.60	287.80	8,569.9	105.9	-298.5	0.03	0.00	2.87	-5.5	3.9	
8,781.0	0.60	300.70	8,758.9	106.7	-300.3	0.07	0.00	6.83	-6.5	5.3	
8,969.0	0.40	10.50	8,946.9	107.9	-301.0	0.32	-0.11	37.13	1.7	8.8	
9,158.0	1.10	48.80	9,135.9	109.7	-299.5	0.44	0.37	20.26	4.5	6.2	
9,347.0	2.40	73.00	9,324.8	112.1	-294.3	0.78	0.69	12.80	1.0	4.6	
9,441.0	0.50	31.60	9,418.8	113.0	-292.2	2.18	-2.02	-44.04	-4.1	2.8	
9,479.0	0.40	324.50	9,456.8	113.3	-292.2	1.33	-0.26	-176.58	-4.4	-2.9	
9,513.0	3.36	201.85	9,490.8	112.4	-292.7	10.57	8.71	-360.74	3.9	-2.3	
KOP, MD:9513.0, TVD:9490.8, N/S:112.4, E/W:-292.7, INC:3.36											
9,574.0	9.80	198.30	9,551.3	105.8	-295.0	10.57	10.55	-5.81	-2.9	-2.2	
9,621.0	17.30	197.40	9,597.0	95.4	-298.3	15.96	15.96	-1.91	-11.2	-3.2	
9,668.0	22.20	193.40	9,641.2	80.0	-302.5	10.81	10.43	-8.51	-20.6	-6.2	
9,715.0	26.60	189.10	9,684.0	61.0	-306.2	10.09	9.36	-9.15	-29.5	-10.2	
9,721.7	27.10	188.25	9,690.0	58.0	-306.7	9.40	7.46	-12.68	-30.7	-10.9	
FTP Crossing, MD:9721.7, TVD:9690.0, N/S:58.0, E/W:-306.7, INC:27.10											
9,762.0	30.20	183.70	9,725.4	38.8	-308.6	9.40	7.69	-11.29	-37.1	-14.9	
9,809.0	34.30	180.60	9,765.1	13.8	-309.5	9.40	8.72	-6.60	-44.1	-17.8	
9,857.0	37.80	181.10	9,803.9	-14.4	-310.0	6.90	6.87	1.04	-51.2	-17.9	
9,904.0	39.60	183.10	9,840.7	-43.7	-311.0	5.02	4.26	4.26	-56.3	-17.6	
9,951.0	42.60	179.00	9,876.1	-74.6	-311.6	8.58	6.38	-8.72	-57.7	-21.6	
9,998.0	45.70	174.30	9,909.8	-107.2	-309.6	9.59	6.60	-10.00	-57.1	-23.1	
10,045.0	49.20	171.80	9,941.6	-141.6	-305.4	8.41	7.45	-5.32	-55.9	-20.3	
10,092.0	50.60	170.80	9,971.8	-177.1	-300.0	3.39	2.98	-2.13	-53.0	-15.0	
10,140.0	53.20	171.70	10,001.5	-214.5	-294.2	5.61	5.42	1.87	-47.6	-8.2	
10,187.0	58.63	176.90	10,027.8	-253.2	-290.4	14.74	11.55	11.06	-41.3	-2.4	



Midland PVA

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Well:	#302H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
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)
10,234.0	62.00	180.50	10,051.1	-294.0	-289.5	9.78	7.17	7.66	-34.2	-0.9
10,281.0	64.10	181.30	10,072.4	-335.9	-290.2	4.72	4.47	1.70	-25.3	-1.9
10,328.0	68.60	181.80	10,091.3	-378.9	-291.3	9.62	9.57	1.06	-15.2	-3.6
10,375.0	75.00	181.60	10,105.9	-423.5	-292.7	13.62	13.62	-0.43	-5.7	-5.4
10,422.0	81.10	179.90	10,115.7	-469.5	-293.3	13.45	12.98	-3.62	2.4	-6.4
10,516.0	86.90	177.30	10,125.5	-562.9	-291.0	6.76	6.17	-2.77	11.0	-4.9
10,611.0	88.30	179.00	10,129.5	-657.7	-287.9	2.32	1.47	1.79	13.8	-2.6
10,705.0	90.50	181.00	10,130.5	-751.7	-287.9	3.16	2.34	2.13	13.5	-3.5
10,800.0	90.20	180.80	10,129.9	-846.7	-289.4	0.38	-0.32	-0.21	11.7	-5.8
10,894.0	89.90	180.50	10,129.8	-940.7	-290.5	0.45	-0.32	-0.32	10.4	-7.7
10,988.0	90.00	179.90	10,129.9	-1,034.7	-290.8	0.65	0.11	-0.64	9.6	-8.8
11,082.0	89.50	179.60	10,130.3	-1,128.7	-290.4	0.62	-0.53	-0.32	9.8	-9.3
11,177.0	89.00	179.40	10,131.5	-1,223.7	-289.6	0.57	-0.53	-0.21	10.9	-9.3
11,271.0	89.10	180.50	10,133.1	-1,317.7	-289.5	1.17	0.11	1.17	12.3	-10.0
11,366.0	92.20	180.90	10,132.0	-1,412.6	-290.6	3.29	3.26	0.42	11.1	-12.0
11,460.0	92.40	180.60	10,128.2	-1,506.5	-291.9	0.38	0.21	-0.32	7.1	-14.1
11,554.0	91.30	178.20	10,125.2	-1,600.5	-290.9	2.81	-1.17	-2.55	3.9	-13.9
11,648.0	90.00	177.40	10,124.1	-1,694.4	-287.3	1.62	-1.38	-0.85	2.7	-11.1
11,743.0	89.30	176.50	10,124.7	-1,789.3	-282.2	1.20	-0.74	-0.95	3.1	-8.9
11,837.0	88.50	179.50	10,126.5	-1,883.2	-278.9	3.30	-0.85	3.19	4.7	-4.4
11,931.0	88.60	179.70	10,128.9	-1,977.2	-278.3	0.24	0.11	0.21	6.9	-4.6
12,026.0	88.70	179.30	10,131.1	-2,072.1	-277.5	0.43	0.11	-0.42	8.7	-4.6
12,120.0	87.70	179.30	10,134.1	-2,166.1	-276.3	1.06	-1.06	0.00	11.0	-4.3
12,170.0	89.00	180.50	10,135.5	-2,216.0	-276.2	3.54	2.60	2.40	12.2	-4.7
12,215.0	89.00	180.80	10,136.3	-2,261.0	-276.7	0.67	0.00	0.67	12.7	-5.6
12,309.0	90.20	181.00	10,137.0	-2,355.0	-278.2	1.29	1.28	0.21	12.8	-7.9
12,403.0	90.00	179.70	10,136.8	-2,449.0	-278.8	1.40	-0.21	-1.38	12.1	-9.3



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12,497.0	89.90	179.20	10,136.9	-2,543.0	-277.9	0.54	-0.11	-0.53	11.6	-9.2	
12,592.0	91.30	181.50	10,135.9	-2,638.0	-278.5	2.83	1.47	2.42	10.0	-10.6	
12,686.0	89.60	181.40	10,135.2	-2,732.0	-280.8	1.81	-1.81	-0.11	8.7	-13.8	
12,781.0	90.50	181.80	10,135.1	-2,826.9	-283.5	1.04	0.95	0.42	8.1	-17.3	
12,875.0	89.30	181.50	10,135.2	-2,920.9	-286.2	1.32	-1.28	-0.32	7.7	-20.8	
12,970.0	89.00	181.00	10,136.6	-3,015.8	-288.3	0.61	-0.32	-0.53	8.5	-23.7	
13,064.0	89.90	181.10	10,137.5	-3,109.8	-290.0	0.96	0.96	0.11	9.0	-26.3	
13,158.0	89.60	177.50	10,138.0	-3,203.8	-288.8	3.84	-0.32	-3.83	8.9	-26.0	
13,252.0	89.10	176.60	10,139.0	-3,297.7	-284.0	1.10	-0.53	-0.98	9.5	-21.9	
13,346.0	88.60	176.00	10,140.9	-3,391.5	-277.9	0.83	-0.53	-0.64	10.9	-16.7	
13,441.0	88.60	176.50	10,143.2	-3,486.2	-271.7	0.53	0.00	0.53	12.8	-11.3	
13,535.0	89.00	179.30	10,145.2	-3,580.1	-268.3	3.01	0.43	2.98	14.3	-8.7	
13,629.0	89.40	180.40	10,146.5	-3,674.1	-268.0	1.25	0.43	1.17	15.1	-9.3	
13,723.0	88.90	179.90	10,147.9	-3,768.1	-268.3	0.75	-0.53	-0.53	16.0	-10.4	
13,818.0	88.50	180.30	10,150.1	-3,863.1	-268.4	0.80	-0.42	0.42	17.7	-11.4	
13,912.0	90.80	179.70	10,150.6	-3,957.1	-268.4	2.53	2.45	-0.64	17.8	-12.2	
14,007.0	90.90	179.50	10,149.2	-4,052.1	-267.8	0.24	0.11	-0.21	15.5	-12.4	
14,101.0	91.10	179.30	10,147.6	-4,146.0	-266.8	0.30	0.21	-0.21	12.4	-12.2	
14,196.0	90.60	178.60	10,146.2	-4,241.0	-265.1	0.91	-0.53	-0.74	9.6	-11.3	
14,290.0	89.90	178.20	10,145.8	-4,335.0	-262.4	0.86	-0.74	-0.43	7.8	-9.5	
14,385.0	91.00	179.70	10,145.0	-4,430.0	-260.7	1.96	1.16	1.58	5.6	-8.6	
14,479.0	90.80	179.90	10,143.5	-4,523.9	-260.4	0.30	-0.21	0.21	2.8	-9.1	
14,573.0	92.30	180.50	10,141.0	-4,617.9	-260.7	1.72	1.60	0.84	-1.2	-10.2	
14,668.0	89.30	178.90	10,139.7	-4,712.9	-260.2	3.58	-3.16	-1.68	-3.9	-10.6	
14,762.0	88.60	178.90	10,141.4	-4,806.8	-258.4	0.74	-0.74	0.00	-3.6	-9.6	
14,857.0	87.10	177.30	10,145.0	-4,901.7	-255.2	2.31	-1.58	-1.68	-1.4	-7.3	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #302H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3579.0usft
Site:	Jolly Roger 16 State	MD Reference:	KB = 25 @ 3579.0usft
Well:	#302H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
14,899.0	86.80	176.60	10,147.2	-4,943.6	-253.0	1.81	-0.71	-1.87	0.2	-5.4
Last MWD Survey (MD=14899.0')										
14,962.0	86.80	176.60	10,150.7	-5,006.4	-249.3	0.00	0.00	0.00	2.8	-2.2
Projection to Bit: (MD=14962.0')										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
9,513.0	9,490.8	112.4	-292.7	KOP, MD:9513.0', TVD:9490.8', N/S:112.4', E/W:-292.7', INC:3.36
9,721.7	9,690.0	58.0	-306.7	FTP Crossing, MD:9721.7', TVD:9690.0', N/S:58.0', E/W:-306.7', INC:27.10
14,899.0	10,147.2	-4,943.6	-253.0	Last MWD Survey (MD=14899.0')
14,962.0	10,150.7	-5,006.4	-249.3	Projection to Bit (MD=14962.0')

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

Jolly Roger 16 State #302H

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: #302H

KB = 25 @ 3579.0usft 3554.0
Northing 446418.00 Easting 805812.00 Latitude 32° 13' 27.769 N Longitude 103° 28' 41.093 W

SECTION DETAILS

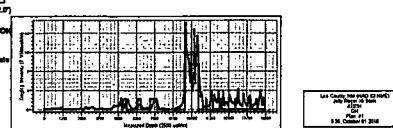
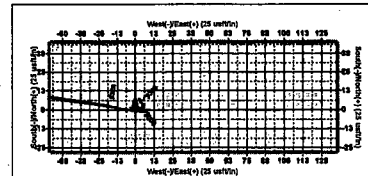
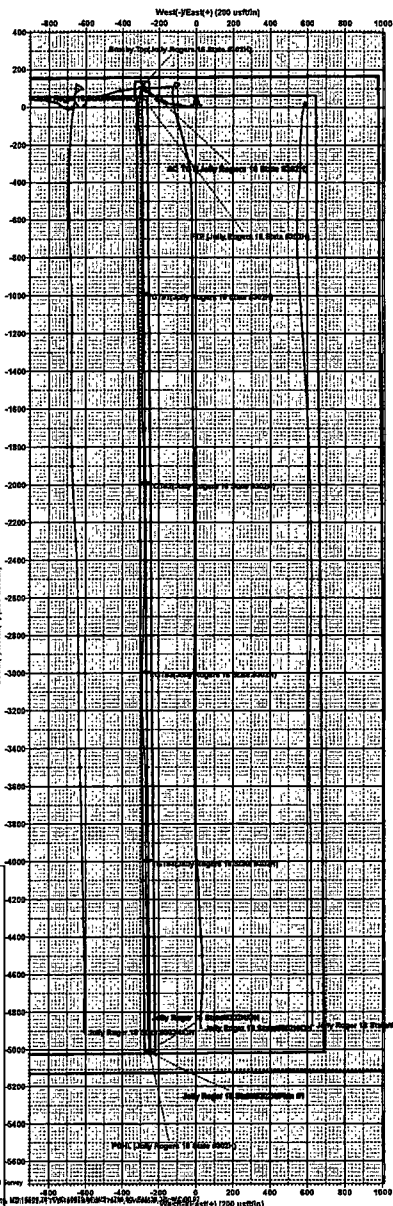
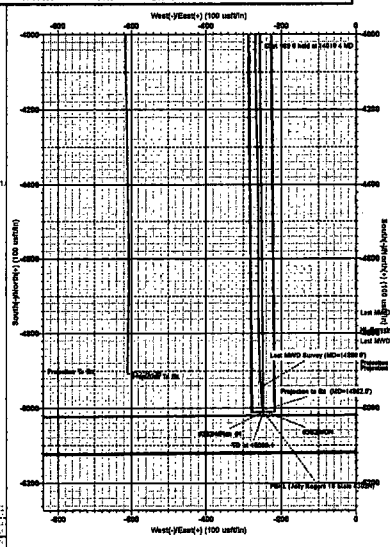
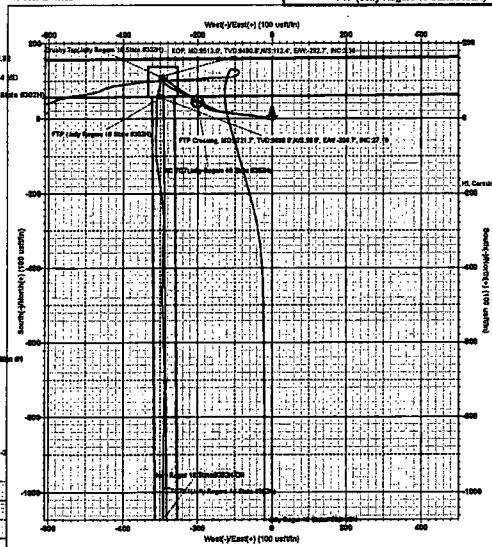
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	5247.0	4.23	279.85	5246.7	-0.7	-0.5	0.00	0.00	0.7	
2	5347.0	4.23	279.85	5346.4	0.5	-7.8	0.00	0.00	-0.2	
3	5581.2	8.91	278.00	5579.0	4.5	-34.3	2.00	-3.51	-2.8	
4	6351.2	8.91	278.00	6339.7	21.1	-152.4	0.00	0.00	-13.6	
5	6553.4	8.92	304.31	6539.5	32.2	-180.9	2.00	102.82	-23.2	
6	7197.3	8.92	304.31	7175.6	88.5	-263.4	0.00	0.00	-75.4	
7	7643.4	0.00	0.00	7620.0	108.0	-292.0	2.00	180.00	-93.5	Brushy Top(Jolly Rogers 16 State #302H)
8	9583.6	0.00	0.00	9540.2	108.0	-292.0	0.00	0.00	-93.5	
9	10456.2	89.25	179.50	10113.1	-457.5	-287.0	10.00	179.50	471.1	
10	10986.1	89.25	179.50	10120.0	-987.3	-282.4	0.00	0.00	1000.0	TGT#1(Jolly Rogers 16 State #302H)
11	11018.1	89.90	179.50	10120.2	-1019.3	-282.1	2.00	0.00	1032.0	
12	11987.7	89.90	179.50	10122.0	-1988.9	-273.6	0.00	0.00	2000.0	TGT#2(Jolly Rogers 16 State #302H)
13	11999.7	89.86	179.50	10122.0	-2000.9	-273.5	2.00	-180.00	2012.0	
14	12989.5	89.66	179.50	10128.0	-2930.6	-264.8	0.00	0.00	3000.0	TGT#3(Jolly Rogers 16 State #302H)
15	12992.4	89.71	179.50	10128.0	-2993.5	-264.7	2.00	0.00	3002.9	
16	13991.1	89.71	179.50	10133.0	-3992.2	-255.9	0.00	0.00	4000.0	TGT#4(Jolly Rogers 16 State #302H)
17	14019.4	89.15	179.50	10133.3	-4020.5	-255.7	2.00	180.00	4028.2	
18	15009.1	89.15	179.50	10148.0	-5010.0	-247.0	0.00	0.00	5016.1	PBHL (Jolly Rogers 16 State #302H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
AC TGT(Jolly Rogers 16 State #302H)	6690.5	45.5	-200.4	446460.52	805811.66
Brushy Top(Jolly Rogers 16 State #302H)	7620.0	108.0	-292.0	446523.00	805820.00
KOP(Jolly Rogers 16 State #302H)	8711.5	108.0	-375.0	446523.00	805820.00
TGT#1(Jolly Rogers 16 State #302H)	10120.0	-887.3	-282.4	445427.70	805529.63
TGT#2(Jolly Rogers 16 State #302H)	10122.0	-1988.9	-273.6	444426.10	805538.44
TGT#3(Jolly Rogers 16 State #302H)	10128.0	-2990.6	-264.8	443424.40	805547.24
TGT#4(Jolly Rogers 16 State #302H)	10133.0	-3992.2	-255.9	442422.80	805556.05
PBHL(Jolly Rogers 16 State #302H)	10148.0	-5010.0	-247.0	441426.00	805565.00
FTP(Jolly Rogers 16 State #302H)	10133.0	50.0	-375.0	446473.00	805820.00



Lea County, NM (NAD 83 NME)
Jolly Roger 16 State #302H
Plan #1