

HOBBS OCD
JAN 23 2020
RECEIVED



EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Durango 2 State
#707H
ST01

Design: ST01

Midland PVA

23 September, 2019



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Durango 2 State
 Well: #707H
 Wellbore: ST01
 Design: ST01

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 22' @ 3451.0usft
 MD Reference: KB = 22' @ 3451.0usft
 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 Durango 2 State

Site Position: Northing: 425,051.00 usft Latitude: 32° 9' 58.041 N
 From: Map Easting: 783,515.00 usft Longitude: 103° 33' 2.454 W
 Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.42 "

Well #707H

Well Position: +N-S 0.0 usft Northing: 420,764.00 usft Latitude: 32° 9' 15.322 N
 +E-W 0.0 usft Easting: 787,826.00 usft Longitude: 103° 32' 14.999 W
 Position Uncertainty: 0.0 usft Wellhead Elevation: usft Ground Level: 3,429.0 usft

Wellbore ST01

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/10/2019	6.69	59.97	47,670.80946346

Design ST01

Audit Notes:
 Version: 1.0 Phase: ACTUAL Tie On Depth: 11,851.0
 Vertical Section: Depth From (TVD) +N-S +E-W Direction
 (usft) (usft) (usft) (°)
 0.0 0.0 0.0 358.47



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Durango 2 State
 Well: #707H
 Wellbore: ST01
 Design: ST01

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 22' @ 3451.0usft
 MD Reference: KB = 22' @ 3451.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey Program Date 9/23/2019

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
165.0	11,851.0	HTMWD MWD (OH)	MWD	OWSG MWD - Standard
11,945.0	17,438.0	Total MWD (ST01)	MWD	OWSG MWD - Standard

Survey

MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	N/S (usft)	EW (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
165.0	0.48	136.79	165.0	-0.5	0.5	0.29	0.29	0.00	0.0	0.0
344.0	1.87	139.51	344.0	-3.0	2.7	0.67	0.66	1.52	0.0	0.0
528.0	3.25	148.92	525.8	-9.5	7.1	0.89	0.87	5.17	0.0	0.0
709.0	6.11	69.99	708.3	-10.6	18.9	3.47	1.56	-43.13	0.0	0.0
898.0	3.56	313.62	896.9	-3.1	24.1	4.40	-1.35	-61.57	0.0	0.0
1,087.0	2.20	217.91	1,085.8	-1.9	17.6	2.31	-0.72	-50.64	0.0	0.0
1,256.0	3.56	30.70	1,254.7	0.1	18.3	3.40	0.80	102.24	0.0	0.0
1,350.0	3.03	23.67	1,348.5	4.8	20.8	0.71	-0.56	-7.48	0.0	0.0
1,545.0	2.86	12.86	1,543.3	14.3	24.0	0.30	-0.09	-5.54	0.0	0.0
1,734.0	1.14	191.37	1,732.2	17.1	24.6	2.12	-0.91	94.45	0.0	0.0
1,828.0	4.40	182.40	1,826.1	12.5	24.3	3.49	3.47	-6.54	0.0	0.0
2,016.0	7.91	180.40	2,013.0	-7.4	21.7	1.92	1.87	4.26	0.0	0.0
2,206.0	8.13	195.50	2,201.1	-33.2	15.7	0.39	0.12	2.68	0.0	0.0
2,394.0	7.56	194.36	2,387.4	-56.0	9.1	0.31	-0.30	-0.61	0.0	0.0
2,584.0	6.81	193.56	2,575.9	-81.0	3.4	0.40	-0.39	-0.42	0.0	0.0
2,773.0	6.02	189.35	2,763.7	-101.7	-0.9	0.49	-0.42	-2.23	0.0	0.0
2,962.0	8.57	193.65	2,951.1	-125.2	-5.8	1.38	1.35	2.28	0.0	0.0
3,150.0	8.44	187.50	3,137.1	-152.5	-10.9	0.49	-0.07	-3.27	0.0	0.0
3,339.0	8.62	175.20	3,324.0	-180.3	-11.5	0.97	0.10	-6.51	0.0	0.0
3,527.0	8.48	169.04	3,509.9	-208.0	-7.7	0.48	-0.07	-3.28	0.0	0.0



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Durango 2 State
 Well: #707H
 Wellbore: ST01
 Design: ST01

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 22' @ 3451.0usft
 ND Reference: KB = 22' @ 3451.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Buikd (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
3,716.0	5.98	181.66	3,697.4	-231.0	-2.0	1.41	-1.32	-3.90	0.0	0.0
3,905.0	7.65	193.92	3,885.1	-252.6	-1.9	2.17	0.88	17.07	0.0	0.0
4,093.0	6.29	192.95	4,071.7	-274.8	-7.2	0.73	-0.72	-0.52	0.0	0.0
4,282.0	4.18	188.80	4,259.9	-291.7	-10.4	1.15	-1.12	-3.25	0.0	0.0
4,471.0	4.26	147.42	4,448.5	-304.5	-7.4	1.50	0.04	-20.84	0.0	0.0
4,660.0	3.21	153.40	4,637.1	-315.1	-1.3	0.59	-0.58	3.16	0.0	0.0
4,849.0	4.92	133.80	4,825.6	-325.5	7.0	1.15	0.90	-10.37	0.0	0.0
5,038.0	4.75	143.99	5,013.9	-337.4	17.4	0.46	-0.09	5.39	0.0	0.0
5,227.0	6.81	175.99	5,202.0	-354.9	22.8	1.98	1.09	16.93	0.0	0.0
5,415.0	7.16	173.44	5,388.6	-377.7	24.9	0.25	0.19	-1.36	0.0	0.0
5,604.0	7.52	190.58	5,578.1	-401.5	24.0	1.17	0.19	9.07	0.0	0.0
5,793.0	7.43	198.93	5,763.5	-425.2	17.8	0.58	-0.05	4.42	0.0	0.0
5,981.0	7.52	195.06	5,949.9	-448.8	10.6	0.27	0.05	-2.06	0.0	0.0
6,170.0	6.33	196.20	6,137.5	-470.6	4.5	0.63	-0.63	0.60	0.0	0.0
6,359.0	5.80	200.60	6,325.4	-489.5	-1.8	0.37	-0.28	2.33	0.0	0.0
6,547.0	5.54	197.43	6,512.5	-507.1	-7.8	0.22	-0.14	-1.69	0.0	0.0
6,736.0	5.27	196.73	6,700.7	-524.1	-13.1	0.15	-0.14	-0.37	0.0	0.0
6,925.0	5.14	197.52	6,888.9	-540.5	-18.1	0.08	-0.07	0.42	0.0	0.0
7,114.0	4.48	201.39	7,077.2	-555.4	-23.3	0.39	-0.35	2.05	0.0	0.0
7,303.0	4.31	202.09	7,265.7	-568.9	-28.7	0.09	-0.09	0.37	0.0	0.0
7,492.0	4.26	197.34	7,454.1	-582.1	-33.5	0.19	-0.03	-2.51	0.0	0.0
7,681.0	2.68	238.30	7,642.8	-591.2	-39.3	1.50	-0.84	21.67	0.0	0.0
7,870.0	2.46	229.25	7,831.6	-598.1	-46.2	0.24	-0.12	-4.79	0.0	0.0
8,058.0	2.15	234.70	8,019.5	-600.8	-52.1	0.20	-0.16	2.90	0.0	0.0
8,247.0	2.42	230.92	8,208.3	-605.4	-58.1	0.16	0.14	-2.00	0.0	0.0
8,341.0	2.33	229.60	8,302.2	-607.9	-61.1	0.11	-0.10	-1.40	0.0	0.0
8,531.0	1.98	229.42	8,492.1	-612.5	-66.5	0.18	-0.18	-0.09	0.0	0.0



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Durango 2 State
 Well: #707H
 Wellbore: ST01
 Design: ST01

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 22' @ 3451.0usft
 MD Reference: KB = 22' @ 3451.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 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)
8,720.0	1.76	226.08	8,681.0	-618.6	-71.1	0.13	-0.12	-1.77	0.0	0.0
8,814.0	1.41	227.93	8,775.0	-618.4	-73.0	0.38	-0.37	1.97	0.0	0.0
9,003.0	1.19	234.96	8,963.9	-621.1	-76.3	0.14	-0.12	3.72	0.0	0.0
9,182.0	1.14	238.30	9,152.9	-623.2	-79.5	0.04	-0.03	1.77	0.0	0.0
9,381.0	1.27	32.29	9,341.9	-622.4	-80.0	1.24	0.07	81.48	0.0	0.0
9,571.0	1.19	349.57	9,531.8	-618.7	-79.2	0.47	-0.04	-22.48	0.0	0.0
9,759.0	2.51	321.27	9,719.7	-613.6	-82.2	0.83	0.70	-15.05	0.0	0.0
9,948.0	1.83	319.25	9,908.6	-608.3	-86.5	0.47	-0.47	-1.07	0.0	0.0
10,137.0	1.80	285.43	10,097.5	-605.0	-90.9	0.38	0.09	-12.60	0.0	0.0
10,325.0	1.80	255.35	10,285.4	-604.5	-96.5	0.66	0.00	-21.32	0.0	0.0
10,515.0	1.67	203.15	10,475.4	-607.8	-100.4	0.81	-0.07	-27.47	0.0	0.0
10,609.0	1.67	181.35	10,569.3	-610.4	-101.0	0.67	0.00	-23.19	0.0	0.0
10,704.0	1.54	182.58	10,664.3	-613.1	-101.1	0.14	-0.14	1.29	0.0	0.0
10,798.0	1.49	181.00	10,758.3	-615.6	-101.2	0.07	-0.05	-1.68	0.0	0.0
10,893.0	1.85	185.94	10,853.2	-618.3	-101.6	0.59	0.38	15.73	0.0	0.0
10,988.0	2.07	207.28	10,948.2	-621.3	-102.8	0.47	0.23	11.94	0.0	0.0
11,082.0	1.05	193.13	11,042.1	-623.6	-103.8	1.15	-1.09	-15.05	0.0	0.0
11,176.0	1.45	203.32	11,136.1	-625.5	-104.5	0.49	0.43	10.84	0.0	0.0
11,271.0	2.42	216.50	11,231.0	-628.3	-106.1	1.12	1.02	13.87	0.0	0.0
11,365.0	3.12	218.09	11,324.9	-631.9	-108.9	0.75	0.74	1.69	0.0	0.0
11,459.0	3.43	218.77	11,418.8	-636.1	-112.2	0.34	0.33	-1.40	0.0	0.0
11,648.0	5.27	261.86	11,607.3	-641.9	-124.1	1.88	0.97	23.86	0.0	0.0
11,758.0	4.22	300.18	11,716.9	-640.6	-132.6	2.97	-0.95	34.84	-3.1	0.8
11,851.0	3.60	292.62	11,809.7	-637.7	-138.3	0.87	-0.67	-8.13	-19.9	4.4
11,945.0	2.95	281.99	11,903.6	-636.1	-143.4	0.94	-0.69	-11.31	-40.0	3.1
12,042.0	5.30	339.30	12,000.3	-631.4	-147.4	4.60	2.42	59.08	-29.5	51.9
12,065.0	6.10	12.90	12,023.2	-629.2	-147.5	14.69	3.48	146.09	3.0	63.6



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Durango 2 State
 Well: #707H
 Wellbore: ST01
 Design: ST01

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 22' @ 3451.0usft
 MD Reference: KB = 22' @ 3451.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 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)
12,085.0	8.00	30.70	12,043.1	-627.0	-146.6	14.37	9.50	89.00	21.6	62.7
12,105.0	9.80	39.30	12,062.8	-624.5	-144.8	11.17	9.00	43.00	29.8	61.2
12,137.0	10.20	46.80	12,094.4	-620.4	-141.0	4.25	1.25	23.44	36.8	59.1
12,231.0	21.00	36.90	12,184.8	-601.2	-124.8	11.76	11.49	-10.53	24.2	62.2
12,326.0	36.30	25.20	12,268.0	-561.9	-102.4	17.08	16.11	-12.32	3.9	56.5
12,420.0	44.60	20.90	12,338.4	-505.7	-78.7	9.31	8.83	-4.57	-9.0	43.3
12,514.0	55.00	12.90	12,400.1	-437.1	-58.3	12.82	11.06	-8.51	-18.1	27.8
12,608.0	67.20	2.90	12,445.5	-355.9	-47.5	15.95	12.98	-10.84	-24.1	18.0
12,698.0	70.10	0.80	12,478.3	-272.1	-44.8	3.89	3.22	-2.33	-21.6	14.8
12,792.0	77.60	357.40	12,504.4	-181.9	-46.2	8.70	7.98	-3.62	-8.8	12.8
12,842.0	84.00	355.70	12,512.4	-132.7	-49.2	13.23	12.80	-3.40	-1.1	12.8
12,886.0	89.20	355.50	12,515.0	-88.9	-52.6	11.83	11.82	-0.45	1.9	13.6
12,980.0	92.10	357.20	12,513.9	4.9	-58.6	3.58	3.09	1.81	1.7	13.6
13,075.0	92.00	0.60	12,510.5	99.8	-60.4	3.58	-0.11	3.58	-0.9	10.0
13,170.0	92.60	1.30	12,508.7	194.7	-58.8	0.97	0.63	0.74	-3.8	2.7
13,264.0	90.90	0.80	12,503.9	288.7	-57.0	1.86	-1.81	-0.43	-5.8	-4.7
13,358.0	89.70	359.60	12,503.4	383.7	-56.6	1.86	-1.28	-1.37	-5.5	-10.8
13,453.0	89.40	358.80	12,504.1	477.8	-57.9	0.91	-0.32	-0.85	-3.9	-15.1
13,547.0	89.90	359.10	12,504.7	571.6	-59.6	0.62	0.53	0.32	-2.4	-19.0
13,642.0	91.10	359.90	12,503.9	666.6	-60.5	1.52	1.28	0.84	-2.4	-23.9
13,736.0	90.40	358.90	12,502.6	760.6	-60.6	0.74	-0.74	0.00	-2.7	-28.4
13,831.0	86.00	358.00	12,505.6	855.5	-62.4	5.04	-4.63	-2.00	1.1	-33.3
13,926.0	89.10	356.60	12,509.7	950.3	-68.8	3.58	3.26	-1.47	6.1	-31.3
14,020.0	90.80	355.60	12,509.7	1,044.1	-73.2	2.19	1.91	-1.06	6.8	-25.5
14,114.0	91.30	355.80	12,507.9	1,137.8	-80.3	0.48	0.43	0.21	5.8	-19.0
14,209.0	93.50	356.30	12,503.9	1,232.5	-86.8	2.37	2.32	0.53	2.7	-13.0
14,303.0	93.00	358.50	12,498.6	1,326.2	-91.1	2.40	-0.53	2.34	-1.8	-9.3



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Durango 2 State
 Well: #707H
 Wellbore: ST01
 Design: ST01

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 22' @ 3451.0usft
 MD Reference: KB = 22' @ 3451.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

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)
14,398.0	91.30	359.80	12,495.0	1,421.1	-82.5	2.25	-1.79	1.37	-4.5	-8.5
14,493.0	90.20	359.90	12,493.7	1,516.1	-82.7	1.16	-1.16	0.11	-5.0	-8.8
14,588.0	90.70	0.10	12,493.0	1,611.1	-82.7	0.57	0.53	0.21	-4.9	-9.4
14,682.0	91.40	0.40	12,491.3	1,705.1	-82.3	0.81	0.74	0.32	-5.8	-10.3
14,777.0	91.10	359.80	12,489.2	1,800.1	-82.1	0.71	-0.32	-0.63	-7.0	-11.1
14,871.0	91.20	359.40	12,487.3	1,894.1	-82.8	0.44	0.11	-0.43	-8.1	-11.0
14,965.0	89.80	359.10	12,486.5	1,988.1	-84.0	1.52	-1.49	-0.32	-8.1	-10.3
15,060.0	88.60	359.10	12,487.8	2,083.0	-95.5	1.26	-1.26	0.00	-5.9	-9.4
15,155.0	89.20	358.60	12,489.6	2,178.0	-97.4	0.82	0.63	-0.53	-3.3	-8.0
15,250.0	89.80	358.50	12,490.5	2,273.0	-99.8	0.64	0.63	-0.11	-1.6	-6.2
15,344.0	91.90	359.00	12,489.1	2,366.9	-101.9	2.30	2.23	0.53	-2.2	-4.7
15,438.0	90.80	359.90	12,488.9	2,460.9	-102.8	1.51	-1.17	0.96	-3.6	-4.3
15,533.0	90.30	0.00	12,488.0	2,555.9	-102.9	0.54	-0.53	0.11	-3.7	-4.8
15,628.0	91.30	0.30	12,484.6	2,650.9	-102.6	1.10	1.05	0.32	-4.2	-5.6
15,723.0	91.50	0.20	12,482.3	2,745.8	-102.2	0.24	0.21	-0.11	-5.7	-6.6
15,817.0	89.60	359.90	12,481.4	2,839.8	-102.1	2.05	-2.02	-0.32	-5.7	-7.3
15,912.0	90.50	0.40	12,481.3	2,934.8	-101.9	1.08	0.95	0.53	-5.0	-8.1
16,007.0	89.90	0.70	12,481.0	3,029.8	-101.0	0.71	-0.63	0.32	-4.5	-8.5
16,101.0	91.80	1.40	12,479.6	3,123.8	-99.2	2.15	2.02	0.74	-5.1	-11.8
16,196.0	91.00	2.00	12,477.3	3,218.7	-98.4	1.05	-0.84	0.63	-6.6	-15.2
16,291.0	88.90	359.80	12,477.4	3,313.7	-94.9	3.20	-2.21	-2.32	-5.7	-17.3
16,385.0	89.80	358.70	12,478.4	3,407.7	-96.2	1.51	0.96	-1.17	-3.8	-16.6
16,480.0	91.40	0.50	12,477.4	3,502.7	-96.8	2.53	1.68	1.89	-3.9	-16.5
16,575.0	90.10	359.90	12,476.2	3,597.7	-96.5	1.51	-1.37	-0.63	-4.3	-17.4
16,669.0	90.30	359.70	12,475.9	3,691.7	-96.8	0.30	0.21	-0.21	-3.9	-17.6
16,763.0	91.40	0.00	12,474.5	3,785.7	-97.1	1.21	1.17	0.32	-4.4	-17.9
16,858.0	91.70	0.10	12,471.9	3,880.6	-97.0	0.33	0.32	0.11	-6.2	-18.6



Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Durango 2 State
Well: #707H
Wellbore: ST01
Design: ST01

Local Co-ordinate Reference: Well #707H
TVD Reference: KB = 22' @ 3451.0usft
MD Reference: KB = 22' @ 3451.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
16,952.0	93.10	0.60	12,468.0	3,974.5	-88.4	1.58	1.49	0.53	-9.3	-19.7
17,047.0	93.30	359.90	12,462.7	4,069.4	-96.0	0.77	0.21	-0.74	-13.7	-20.7
17,142.0	90.80	359.20	12,459.3	4,164.3	-96.7	2.73	-2.63	-0.74	-16.3	-20.5
17,238.0	91.00	359.20	12,457.8	4,258.3	-98.1	0.21	0.21	0.00	-17.0	-19.7
17,330.0	91.20	359.60	12,456.0	4,352.3	-99.0	0.48	0.21	0.43	-18.0	-19.3
17,438.0	91.20	359.60	12,453.7	4,460.2	-99.8	0.00	0.00	0.00	-19.3	-19.2

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
12,160.0	12,116.9	-617.1	-137.6	KOP, MD:12160.0', TVD:12116.9', N/S:-617.1', E/W:-137.6', INC:12.80
12,217.1	12,171.7	-605.0	-127.7	FTP Crossing, MD:12217.1', TVD:12171.7', N/S:-605.0', E/W:-127.7', INC:19.38
17,330.0	12,456.0	4,352.3	-99.0	Last MWD Survey (MD=17330.0')
17,438.0	12,453.7	4,460.2	-99.8	Projection to Bit (MD=17438.0')

Checked By: _____ Approved By: _____ Date: _____

I certify this survey to be true and correct to the best of my belief and knowledge.

Signed Kay Maddox Date 1/20/2020



Lea County, NM (NAD 83 NME)

Durango 2 State #707H

ST01 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: #707H

KB = 22' @ 3451.0usft
Northing 420764.00 Easting 787628.00 Latitude 32° 15' 32.2" N Longitude 103° 32' 14.99" W

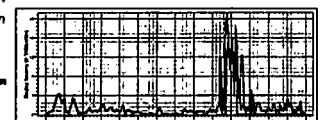
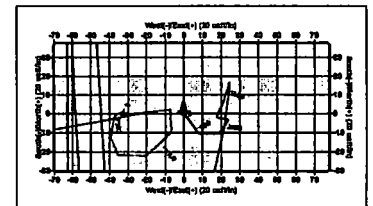
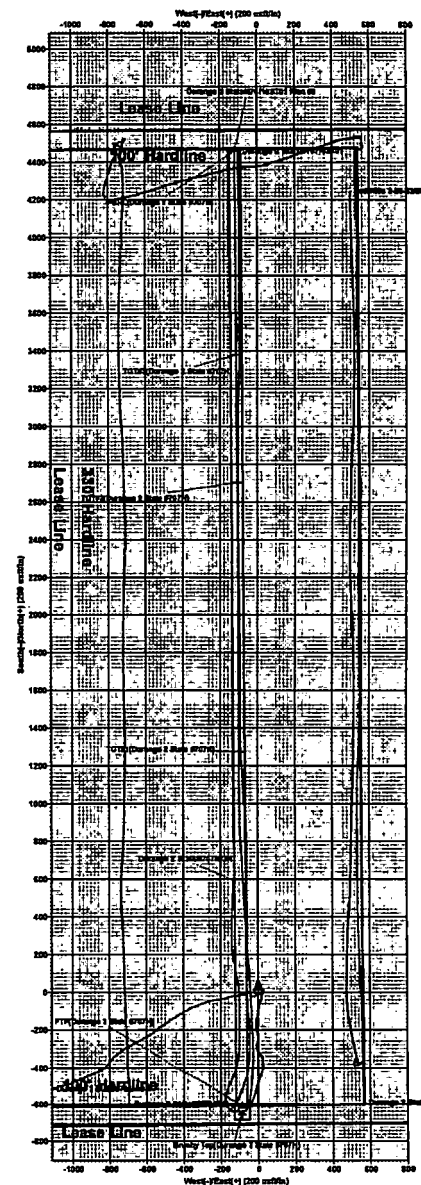
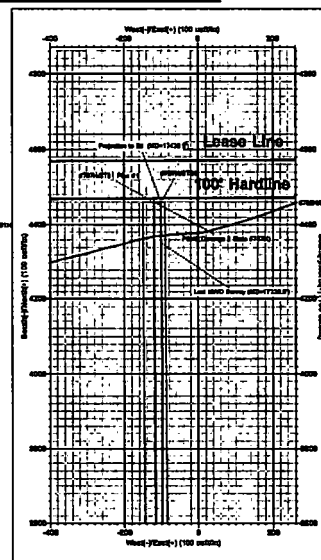
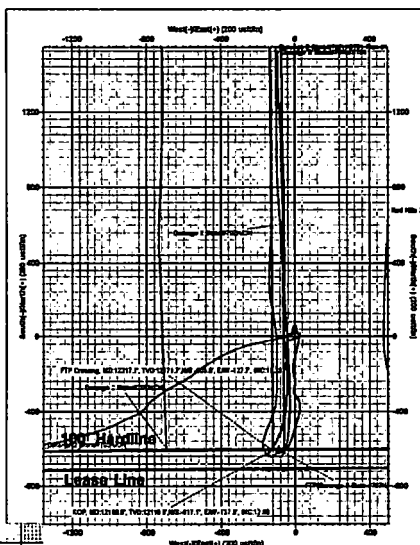
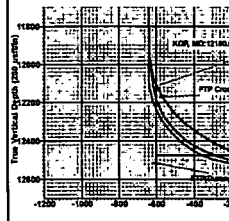
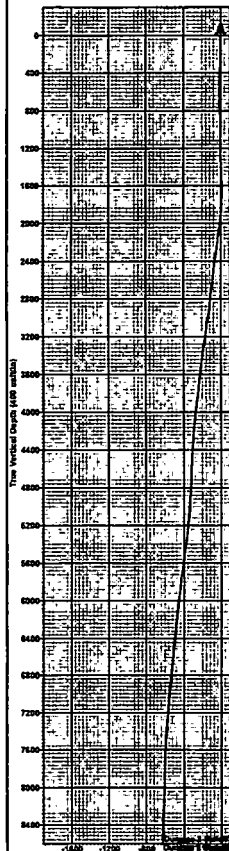
To convert a Magnetic Direction to a Grid Direction, Add 6.27°
To convert a Magnetic Direction to a True Direction, Add 6.00° East
To convert a True Direction to a Grid Direction, Subtract 0.42°

SECTION DETAILS

Sec	MD	Inc	Ad	TVD	+N-S	+E-W	Slip	TFace	VFace	Target	Annotation
1	11648.0	0.27	281.88	11627.3	-641.9	-124.1	0.00	0.00	-658.4		
2	11700.0	4.82	277.76	11659.1	-642.0	-128.8	2.87	128.70	-658.3		
3	11815.4	9.00	80.00	11771.2	-641.4	-124.1	12.00	174.81	-637.8		
4	12032.4	9.00	80.00	12037.9	-641.4	-61.9	0.00	0.00	-638.9		
5	12941.2	80.62	358.88	12913.8	-155.9	-35.0	12.00	-63.32	-164.9		
6	13838.9	90.62	356.88	13504.8	-87.9	-64.7	0.00	0.00	-80.2		
7	13940.2	80.60	353.68	13503.7	-841.2	-68.1	3.00	80.44	-843.5		
8	17450.2	80.50	353.88	13473.0	-6481.0	-118.0	0.00	0.00	-6482.8		PBHL(Durango 2 State #707H)

WELLBORE YARDSTICK DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL(Durango 2 State #707H)	13473.0	-6481.0	-118.0	425228.00	787607.00
FTF(Durango 2 State #707H)	12518.0	-608.0	-89.0	420169.00	787637.00



See Also: Wellbore Details
Wellbore Details
Wellbore Details