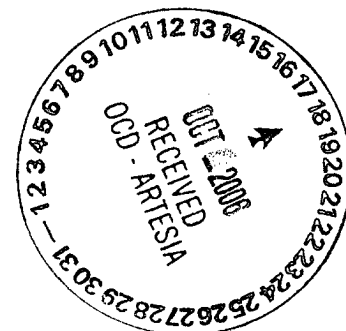


Heyco Energy
Mesquite 2 State #3, slot #1
Eddy County New Mexico

SURVEY LISTING Page 1
Your ref : MWD
Last revised : 17-Oct-2006

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.34
100.00	1.14	60.61	99.99	0.49 N	0.87 E	1.14	-0.04
200.00	0.36	81.54	199.98	1.02 N	2.04 E	0.81	-0.65
300.00	0.44	51.16	299.98	1.31 N	2.65 E	0.22	-0.96
400.00	0.45	77.17	399.98	1.64 N	3.34 E	0.20	-1.29
500.00	0.40	80.00	499.98	1.79 N	4.06 E	0.05	-1.78
600.00	0.22	78.20	599.97	1.89 N	4.59 E	0.18	-2.14
700.00	0.13	55.59	699.97	1.99 N	4.88 E	0.11	-2.30
800.00	0.06	74.28	799.97	2.07 N	5.02 E	0.08	-2.36
900.00	0.11	46.99	899.97	2.15 N	5.14 E	0.06	-2.41
1000.00	0.10	56.39	999.97	2.26 N	5.28 E	0.02	-2.45
1100.00	0.22	59.65	1099.97	2.41 N	5.52 E	0.12	-2.55
1200.00	0.21	61.96	1199.97	2.59 N	5.85 E	0.01	-2.70
1300.00	0.14	32.97	1299.97	2.78 N	6.08 E	0.11	-2.77
1400.00	0.25	286.12	1399.97	2.94 N	5.93 E	0.32	-2.55
1500.00	0.32	279.79	1499.97	3.05 N	5.45 E	0.08	-2.10
1600.00	0.32	266.89	1599.97	3.08 N	4.90 E	0.07	-1.65
1700.00	0.20	276.51	1699.97	3.09 N	4.44 E	0.13	-1.28
1800.00	0.38	335.52	1799.97	3.41 N	4.13 E	0.33	-0.84
1900.00	0.71	350.32	1899.96	4.32 N	3.89 E	0.36	-0.09
2000.00	1.59	14.26	1999.94	6.28 N	4.13 E	0.98	0.92
2100.00	1.70	18.41	2099.90	9.03 N	4.94 E	0.16	1.96
2200.00	1.60	20.66	2199.86	11.74 N	5.90 E	0.12	2.86
2300.00	1.26	18.52	2299.83	14.09 N	6.74 E	0.34	3.63
2400.00	1.17	3.56	2399.81	16.15 N	7.15 E	0.33	4.56
2500.00	1.26	4.07	2499.78	18.27 N	7.30 E	0.09	5.74
2600.00	1.19	8.58	2599.76	20.39 N	7.53 E	0.12	6.86
2700.00	1.05	1.30	2699.74	22.33 N	7.70 E	0.20	7.91
2800.00	1.01	349.39	2799.73	24.12 N	7.56 E	0.22	9.11
2900.00	1.07	343.16	2899.71	25.88 N	7.13 E	0.13	10.53
3000.00	1.14	347.28	2999.69	27.74 N	6.64 E	0.11	12.05
3100.00	0.94	342.39	3099.67	29.49 N	6.17 E	0.22	13.49
3200.00	0.57	316.01	3199.66	30.63 N	5.58 E	0.50	14.66
3300.00	0.59	303.86	3299.66	31.28 N	4.81 E	0.12	15.67
3400.00	0.65	293.34	3399.65	31.79 N	3.86 E	0.13	16.73
3500.00	0.74	288.54	3499.65	32.22 N	2.73 E	0.11	17.89
3600.00	0.82	282.30	3599.64	32.58 N	1.41 E	0.12	19.15
3700.00	0.78	292.28	3699.63	32.99 N	0.08 E	0.14	20.45
3800.00	0.71	288.32	3799.62	33.44 N	1.13 W	0.09	21.69
3900.00	0.65	283.92	3899.61	33.77 N	2.27 W	0.08	22.79
4000.00	0.69	278.60	3999.61	34.00 N	3.42 W	0.07	23.84
4100.00	0.73	279.61	4099.60	34.19 N	4.64 W	0.04	24.93
4200.00	0.79	286.45	4199.59	34.49 N	5.93 W	0.11	26.13
4300.00	0.85	297.85	4299.58	35.04 N	7.25 W	0.17	27.50
4400.00	0.75	301.12	4399.57	35.72 N	8.46 W	0.11	28.89
4500.00	0.63	294.12	4499.56	36.28 N	9.53 W	0.15	30.07
4600.00	1.00	280.95	4599.55	36.67 N	10.88 W	0.41	31.38
4700.00	1.42	296.13	4699.53	37.39 N	12.85 W	0.52	33.38
4800.00	1.32	300.18	4799.50	38.51 N	14.96 W	0.14	35.73
4900.00	1.36	298.15	4899.47	39.65 N	17.00 W	0.06	38.04

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 3057.24 on azimuth 306.88 degrees from wellhead.
Vertical section is from N 0.13 E 0.54 on azimuth 307.70 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

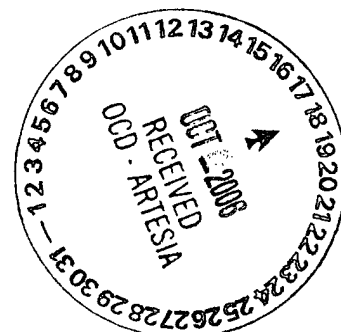


Heyco Energy
Mesquite 2 State #3, slot #1
Eddy County New Mexico

SURVEY LISTING Page 2
Your ref : MWD
Last revised : 17-Oct-2006

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
5000.00	1.56	307.44	4999.44	41.04 N	19.13 W	0.31	40.58
5100.00	1.83	298.83	5099.40	42.63 N	21.61 W	0.37	43.51
5200.00	1.73	301.25	5199.35	44.19 N	24.30 W	0.13	46.59
5300.00	1.77	301.50	5299.30	45.78 N	26.91 W	0.04	49.63
5400.00	1.75	307.97	5399.26	47.52 N	29.43 W	0.20	52.69
5500.00	1.84	307.32	5499.21	49.44 N	31.91 W	0.09	55.82
5600.00	2.17	308.37	5599.14	51.58 N	34.67 W	0.33	59.32
5700.00	2.32	314.84	5699.07	54.19 N	37.59 W	0.29	63.22
5800.00	2.17	319.50	5798.99	57.05 N	40.25 W	0.24	67.08
5900.00	2.23	335.23	5898.92	60.26 N	42.30 W	0.60	70.66
6000.00	2.42	340.62	5998.84	64.02 N	43.81 W	0.29	74.16
6100.00	2.38	347.36	6098.75	68.04 N	44.97 W	0.28	77.53
6200.00	2.35	345.42	6198.66	72.05 N	45.94 W	0.09	80.75
6300.00	2.25	347.70	6298.58	75.95 N	46.87 W	0.14	83.88
6400.00	2.01	352.04	6398.51	79.60 N	47.53 W	0.29	86.63
6500.00	1.94	352.03	6498.45	83.02 N	48.01 W	0.07	89.10
6600.00	1.69	356.30	6598.40	86.16 N	48.34 W	0.28	91.28
6700.00	1.49	6.66	6698.37	88.93 N	48.29 W	0.35	92.93
6800.00	1.24	28.14	6798.34	91.17 N	47.62 W	0.56	93.78
6900.00	1.29	39.96	6898.31	92.99 N	46.39 W	0.27	93.92
7000.00	1.43	53.96	6998.29	94.59 N	44.66 W	0.36	93.52
7100.00	1.58	52.41	7098.25	96.16 N	42.56 W	0.16	92.82
7200.00	1.71	53.98	7198.21	97.88 N	40.26 W	0.14	92.05
7300.00	1.72	56.69	7298.17	99.58 N	37.80 W	0.08	91.15
7400.00	1.88	48.07	7398.12	101.50 N	35.32 W	0.31	90.36
7500.00	1.79	44.68	7498.07	103.71 N	33.01 W	0.14	89.88
7600.00	1.47	35.92	7598.02	105.86 N	31.15 W	0.40	89.73
7700.00	1.50	25.94	7697.99	108.07 N	29.83 W	0.26	90.04
7800.00	1.60	18.89	7797.95	110.57 N	28.80 W	0.22	90.75
7900.00	1.30	27.05	7897.92	112.90 N	27.84 W	0.36	91.41
7983.00	10.30	330.60	7980.44	120.22 N	31.06 W	11.62	98.44
8015.00	13.10	324.60	8011.77	125.67 N	34.57 W	9.53	104.54
8046.00	15.70	319.40	8041.80	131.72 N	39.33 W	9.36	112.02
8077.00	16.80	318.30	8071.56	138.25 N	45.04 W	3.68	120.53
8109.00	18.50	316.60	8102.05	145.39 N	51.61 W	5.55	130.09
8138.00	20.00	313.70	8129.43	152.16 N	58.35 W	6.13	139.57
8169.00	23.00	312.70	8158.27	159.94 N	66.64 W	9.75	150.87
8201.00	24.50	312.00	8187.56	168.62 N	76.16 W	4.77	163.72
8233.00	27.20	312.00	8216.35	177.95 N	86.53 W	8.44	177.63
8264.00	28.70	312.00	8243.74	187.67 N	97.33 W	4.84	192.12
8295.00	30.40	312.00	8270.70	197.90 N	108.69 W	5.48	207.37
8327.00	32.00	310.60	8298.07	208.84 N	121.15 W	5.49	223.91
8359.00	34.50	310.60	8324.83	220.26 N	134.47 W	7.81	241.43
8390.00	38.00	310.60	8349.83	232.18 N	148.38 W	11.29	259.73
8421.00	42.00	309.90	8373.57	245.05 N	163.59 W	12.98	279.64
8475.00	49.00	307.80	8411.40	269.16 N	193.59 W	13.25	318.12
8506.00	52.70	307.80	8430.97	283.89 N	212.58 W	11.94	342.15
8538.00	56.30	306.70	8449.55	299.65 N	233.32 W	11.59	368.20
8569.00	58.90	306.00	8466.16	315.16 N	254.40 W	8.60	394.36
8600.00	62.10	305.30	8481.42	330.89 N	276.32 W	10.51	421.32

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 3057.24 on azimuth 306.88 degrees from wellhead.
Vertical section is from N 0.13 E 0.54 on azimuth 307.70 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ



Heyco Energy
Mesquite 2 State #3, slot #1
, Eddy County New Mexico

SURVEY LISTING Page 3
Your ref : MWD
Last revised : 17-Oct-2006

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
8632.00	65.90	304.60	8495.45	347.36 N	299.90 W	12.04	450.05
8663.00	69.30	304.30	8507.26	363.57 N	323.53 W	11.00	478.66
8695.00	72.50	304.60	8517.73	380.67 N	348.46 W	10.04	508.84
8726.00	74.70	304.60	8526.48	397.56 N	372.94 W	7.10	538.54
8758.00	77.10	305.00	8534.27	415.27 N	398.42 W	7.60	569.53
8788.00	80.40	305.30	8540.13	432.21 N	422.47 W	11.04	598.92
8820.00	84.20	305.70	8544.41	450.62 N	448.28 W	11.94	630.60
8856.00	88.90	306.00	8546.58	471.66 N	477.40 W	13.08	666.51
8887.00	90.30	306.40	8546.79	489.97 N	502.42 W	4.70	697.50
8919.00	90.40	305.70	8546.60	508.80 N	528.29 W	2.21	729.48
8950.00	89.90	305.30	8546.52	526.80 N	553.53 W	2.07	760.46
8982.00	90.40	305.70	8546.43	545.38 N	579.58 W	2.00	792.43
9013.00	90.60	305.70	8546.16	563.47 N	604.75 W	0.65	823.41
9044.00	90.10	305.00	8545.97	581.40 N	630.04 W	2.77	854.39
9076.00	90.00	304.60	8545.95	599.67 N	656.31 W	1.29	886.35
9107.00	89.90	304.30	8545.97	617.20 N	681.88 W	1.02	917.30
9138.00	89.90	303.90	8546.03	634.58 N	707.55 W	1.29	948.24
9169.00	89.90	304.60	8546.08	652.03 N	733.17 W	2.26	979.18
9200.00	90.10	305.00	8546.08	669.72 N	758.62 W	1.44	1010.14
9232.00	91.00	304.60	8545.77	687.98 N	784.90 W	3.08	1042.10
9263.00	89.50	305.00	8545.64	705.68 N	810.35 W	5.01	1073.06
9295.00	89.20	304.60	8546.00	723.94 N	836.63 W	1.56	1105.01
9327.00	88.90	303.90	8546.53	741.94 N	863.08 W	2.38	1136.95
9358.00	88.90	304.30	8547.13	759.32 N	888.74 W	1.29	1167.88
9390.00	88.40	303.90	8547.88	777.26 N	915.23 W	2.00	1199.81
9421.00	88.50	303.60	8548.72	794.47 N	941.00 W	1.02	1230.73
9452.00	88.70	304.30	8549.48	811.78 N	966.71 W	2.35	1261.65
9484.00	88.50	304.30	8550.26	829.81 N	993.13 W	0.62	1293.58
9515.00	89.40	305.00	8550.83	847.43 N	1018.63 W	3.68	1324.53
9546.00	89.40	305.00	8551.15	865.21 N	1044.02 W	0.00	1355.50
9578.00	89.00	306.00	8551.60	883.79 N	1070.07 W	3.37	1387.47
9609.00	88.90	305.70	8552.17	901.94 N	1095.19 W	1.02	1418.45
9640.00	89.70	305.70	8552.55	920.03 N	1120.37 W	2.58	1449.43
9672.00	90.40	306.70	8552.52	938.93 N	1146.19 W	3.81	1481.42
9703.00	90.00	306.40	8552.41	957.39 N	1171.09 W	1.61	1512.41
9735.00	91.10	306.40	8552.10	976.38 N	1196.85 W	3.44	1544.40
9766.00	91.90	306.70	8551.29	994.83 N	1221.74 W	2.76	1575.38
9797.00	90.20	306.70	8550.72	1013.36 N	1246.59 W	5.48	1606.37
9829.00	88.90	307.10	8550.97	1032.57 N	1272.18 W	4.25	1638.37
9861.00	88.70	306.70	8551.64	1051.78 N	1297.76 W	1.40	1670.36
9892.00	88.80	306.00	8552.32	1070.15 N	1322.73 W	2.28	1701.34
9924.00	88.60	306.40	8553.05	1089.04 N	1348.54 W	1.40	1733.32
9956.00	88.70	305.70	8553.80	1107.87 N	1374.41 W	2.21	1765.30
9987.00	89.00	306.70	8554.42	1126.17 N	1399.42 W	3.37	1796.28
10019.00	89.00	306.70	8554.98	1145.29 N	1425.07 W	0.00	1828.27
10051.00	89.60	307.10	8555.37	1164.51 N	1450.66 W	2.25	1860.27
10082.00	90.50	307.40	8555.35	1183.27 N	1475.33 W	3.06	1891.26
10114.00	91.00	307.40	8554.93	1202.70 N	1500.75 W	1.56	1923.26
10145.00	91.00	307.40	8554.39	1221.53 N	1525.38 W	0.00	1954.26
10176.00	90.40	305.70	8554.01	1239.99 N	1550.28 W	5.81	1985.25

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 3057.24 on azimuth 306.88 degrees from wellhead.
Vertical section is from N 0.13 E 0.54 on azimuth 307.70 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ



Heyco Energy
Mesquite 2 State #3, slot #1
, Eddy County New Mexico

SURVEY LISTING Page 4
Your ref : MWD
Last revised : 17-Oct-2006

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect
10239.00	89.70	306.40	8553.95	1277.06 N	1601.21 W	1.57	2048.22
10270.00	90.40	306.40	8553.92	1295.46 N	1626.16 W	2.26	2079.21
10302.00	90.20	306.00	8553.76	1314.36 N	1651.99 W	1.40	2111.20
10334.00	89.10	305.70	8553.95	1333.10 N	1677.92 W	3.56	2143.18
10365.00	89.00	305.30	8554.47	1351.10 N	1703.16 W	1.33	2174.15
10397.00	89.00	305.30	8555.03	1369.59 N	1729.27 W	0.00	2206.12
10428.00	88.60	305.00	8555.67	1387.43 N	1754.61 W	1.61	2237.08
10460.00	89.00	305.30	8556.34	1405.85 N	1780.77 W	1.56	2269.05
10491.00	89.90	304.60	8556.64	1423.61 N	1806.18 W	3.68	2300.01
10523.00	91.40	304.60	8556.28	1441.78 N	1832.51 W	4.69	2331.96
10555.00	91.20	304.30	8555.55	1459.87 N	1858.90 W	1.13	2363.90
10586.00	92.00	303.90	8554.69	1477.25 N	1884.56 W	2.89	2394.82
10618.00	92.30	304.60	8553.49	1495.24 N	1910.99 W	2.38	2426.74
10649.00	91.60	304.30	8552.43	1512.77 N	1936.54 W	2.46	2457.68
10680.00	91.50	303.90	8551.59	1530.14 N	1962.20 W	1.33	2488.60
10712.00	91.30	303.20	8550.81	1547.82 N	1988.86 W	2.27	2520.51
10743.00	91.80	302.80	8549.97	1564.70 N	2014.85 W	2.07	2551.39
10774.00	91.90	303.20	8548.97	1581.58 N	2040.83 W	1.33	2582.27
10806.00	92.20	302.80	8547.83	1598.99 N	2067.65 W	1.56	2614.15
10837.00	90.90	302.50	8546.99	1615.71 N	2093.74 W	4.30	2645.01
10873.00	92.30	302.80	8545.98	1635.12 N	2124.04 W	3.98	2680.86
10902.00	93.60	302.50	8544.49	1650.75 N	2148.43 W	4.60	2709.71
10933.00	94.60	302.10	8542.28	1667.27 N	2174.56 W	3.47	2740.49
10965.00	94.80	302.50	8539.65	1684.31 N	2201.52 W	1.39	2772.24
10996.00	94.20	303.20	8537.22	1701.08 N	2227.48 W	2.97	2803.03
11028.00	94.00	303.90	8534.93	1718.72 N	2254.08 W	2.27	2834.87
11059.00	92.20	303.60	8533.26	1735.91 N	2279.82 W	5.89	2865.75
11091.00	91.00	302.80	8532.36	1753.43 N	2306.58 W	4.51	2897.64
11122.00	90.00	300.70	8532.09	1769.74 N	2332.94 W	7.50	2928.47
11154.00	89.90	300.40	8532.12	1786.00 N	2360.50 W	0.99	2960.22
11185.00	90.40	299.70	8532.04	1801.53 N	2387.33 W	2.77	2990.94
11205.00	90.30	299.30	8531.92	1811.38 N	2404.74 W	2.06	3010.74
11252.00	90.30	300.00	8531.67	1834.63 N	2445.58 W	1.49	3057.27

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 3057.24 on azimuth 306.88 degrees from wellhead.
Vertical section is from N 0.13 E 0.54 on azimuth 307.70 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ



Heyco Energy
Mesquite 2 State #3,slot #1
,Eddy County New Mexico

SURVEY LISTING Page 5
Your ref : MWD
Last revised : 17-Oct-2006

Targets associated with this wellpath

Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
TD		8525.00	1925.00N 2490.00W	28-Jul-2005

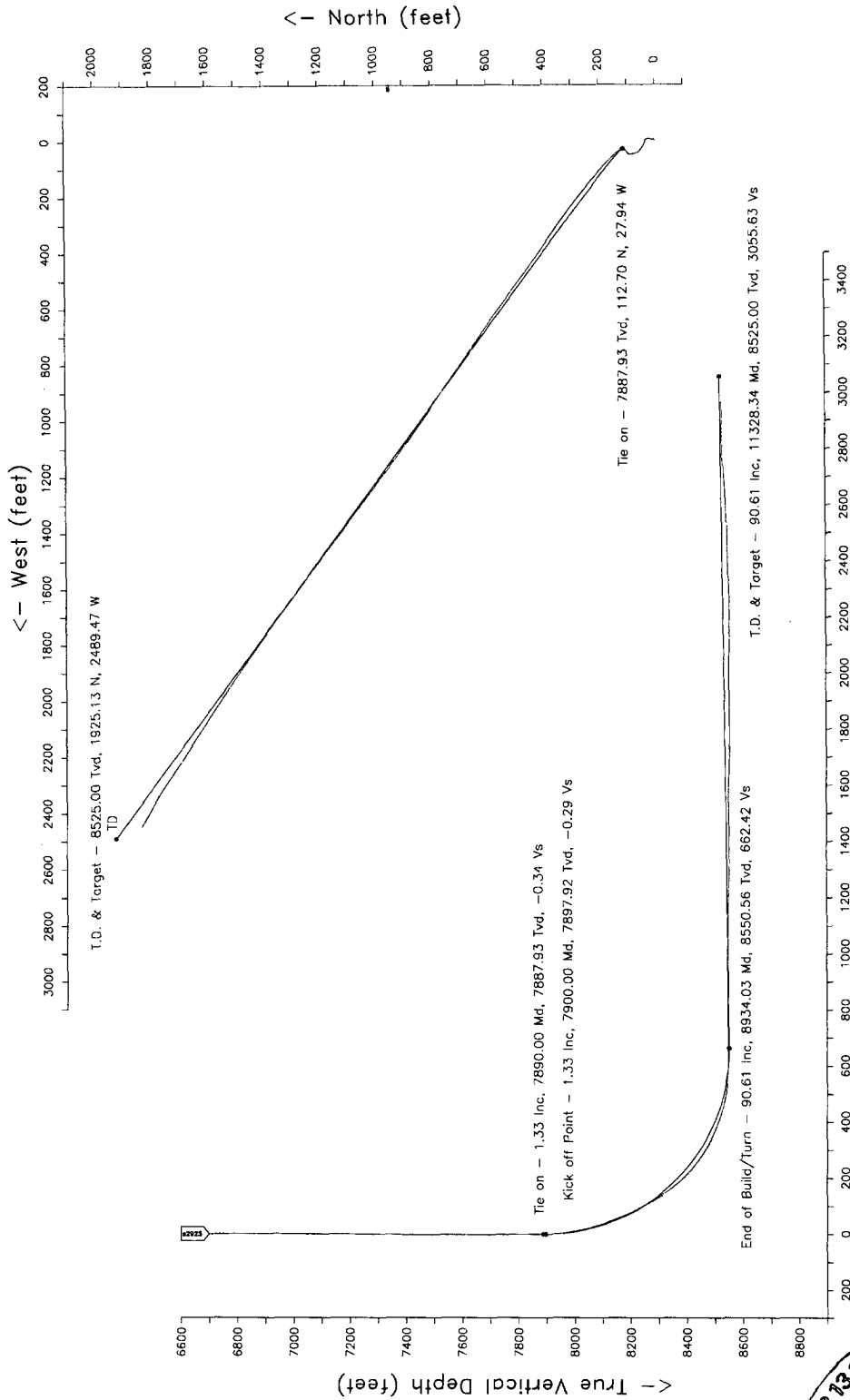
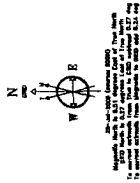




INTEQ

Heyco Energy

Structure : Mesquite 2 State #3 Slot : slot #1
Field : Location : Eddy County New Mexico



Vertical Section (feet) ->

Azimuth 307.70 with reference 112.56 N, 28.47 W from structure

