



INTEQ

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Survey Report

Devon Energy

Apache 24 Fed 10H

Eddy County, NM

MWD

**Prepared By Oscar Gomez
Tuesday, January 17, 2006**

DEVON ENERGY
Apache 24 Fed #10-H, slot #1
, Eddy County New Mexico

SURVEY LISTING Page 1
Your ref : MWD
Last revised : 17-Jan-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	0.00
100.00	0.36	5.69	100.00	0.31 N	0.03 E	0.36	0.07
200.00	0.23	14.93	200.00	0.82 N	0.11 E	0.14	0.14
300.00	0.31	9.09	300.00	1.28 N	0.21 E	0.08	0.19
400.00	0.51	323.87	399.99	1.91 N	0.01 W	0.37	0.59
500.00	0.62	313.46	499.99	2.64 N	0.67 W	0.15	1.44
600.00	0.58	317.21	599.98	3.38 N	1.40 W	0.06	2.36
700.00	0.53	319.86	699.98	4.11 N	2.04 W	0.06	3.19
800.00	0.61	323.24	799.97	4.89 N	2.66 W	0.09	4.02
900.00	0.69	321.80	899.97	5.79 N	3.35 W	0.08	4.95
1000.00	0.64	317.32	999.96	6.67 N	4.10 W	0.07	5.93
1100.00	0.51	327.61	1099.96	7.46 N	4.72 W	0.17	6.76
1200.00	0.60	334.47	1199.95	8.31 N	5.18 W	0.11	7.46
1300.00	0.46	327.15	1299.95	9.11 N	5.63 W	0.16	8.13
1400.00	0.55	327.46	1399.94	9.86 N	6.10 W	0.09	8.81
1500.00	0.60	329.09	1499.94	10.71 N	6.63 W	0.05	9.57
1600.00	0.42	330.63	1599.93	11.48 N	7.08 W	0.18	10.23
1700.00	0.41	337.30	1699.93	12.13 N	7.40 W	0.05	10.73
1800.00	0.43	338.29	1799.93	12.81 N	7.67 W	0.02	11.20
1900.00	0.47	326.28	1899.93	13.50 N	8.04 W	0.10	11.76
2000.00	0.31	351.42	1999.92	14.11 N	8.31 W	0.23	12.20
2100.00	0.38	359.35	2099.92	14.70 N	8.35 W	0.08	12.42
2200.00	0.33	357.94	2199.92	15.32 N	8.37 W	0.05	12.62
2300.00	0.23	353.77	2299.92	15.81 N	8.40 W	0.10	12.80
2400.00	0.36	355.70	2399.92	16.32 N	8.44 W	0.13	13.00
2500.00	0.29	5.73	2499.92	16.89 N	8.44 W	0.09	13.17
2600.00	0.33	7.72	2599.91	17.43 N	8.38 W	0.04	13.27
2700.00	0.35	340.97	2699.91	18.00 N	8.44 W	0.16	13.50
2800.00	0.38	287.41	2799.91	18.39 N	8.86 W	0.33	14.02
2900.00	0.34	305.56	2899.91	18.66 N	9.41 W	0.12	14.63
3000.00	0.38	297.48	2999.91	18.99 N	9.95 W	0.06	15.24
3100.00	0.25	291.79	3099.91	19.22 N	10.45 W	0.13	15.78
3200.00	0.09	285.73	3199.91	19.32 N	10.72 W	0.16	16.08
3300.00	0.19	212.26	3299.90	19.20 N	10.89 W	0.19	16.20
3400.00	0.36	137.85	3399.90	18.83 N	10.77 W	0.36	15.97
3500.00	0.55	122.89	3499.90	18.34 N	10.15 W	0.22	15.24
3600.00	0.60	117.27	3599.90	17.84 N	9.28 W	0.08	14.26
3700.00	0.65	121.85	3699.89	17.30 N	8.34 W	0.07	13.19
3800.00	0.72	114.63	3799.88	16.74 N	7.28 W	0.11	12.02
3900.00	0.58	100.53	3899.88	16.38 N	6.21 W	0.21	10.89
4000.00	0.66	113.26	3999.87	16.06 N	5.19 W	0.16	9.82
4100.00	0.53	118.97	4099.86	15.61 N	4.25 W	0.14	8.79
4165.00	0.66	98.56	4164.86	15.41 N	3.62 W	0.38	8.12
4222.00	0.60	108.93	4221.86	15.26 N	3.01 W	0.23	7.50
4346.00	0.50	108.60	4345.85	14.88 N	1.89 W	0.08	6.31
4471.00	0.20	350.10	4470.85	14.92 N	1.41 W	0.50	5.87
4596.00	0.30	345.20	4595.85	15.45 N	1.53 W	0.08	6.14
4722.00	0.40	332.50	4721.85	16.16 N	1.82 W	0.10	6.63
4848.00	0.40	301.20	4847.84	16.78 N	2.40 W	0.17	7.37
4972.00	0.40	304.00	4971.84	17.25 N	3.12 W	0.02	8.21

All data is in feet unless otherwise stated.
Coordinates from structure and TVD from rotary table.
Bottom hole distance is 3499.67 on azimuth 287.72 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 287.66 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

DEVON ENERGY
Apache 24 Fed #10-H, slot #1
, Eddy County New Mexico

SURVEY LISTING Page 2
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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
5097.00	0.50	310.40	5096.84	17.84 N	3.90 W	0.09	9.13
5223.00	0.50	303.70	5222.83	18.50 N	4.78 W	0.05	10.17
5347.00	0.60	308.30	5346.83	19.21 N	5.74 W	0.09	11.29
5473.00	0.70	309.30	5472.82	20.10 N	6.85 W	0.08	12.63
5597.00	0.60	306.90	5596.81	20.97 N	7.96 W	0.08	13.94
5723.00	0.50	314.20	5722.81	21.75 N	8.88 W	0.10	15.06
5847.00	0.60	292.80	5846.80	22.38 N	9.86 W	0.18	16.19
5909.00	1.60	307.90	5908.79	23.04 N	10.85 W	1.67	17.32
5970.00	3.60	300.50	5969.72	24.53 N	13.17 W	3.32	19.99
6034.00	5.30	298.40	6033.53	26.96 N	17.50 W	2.67	24.85
6098.00	7.70	300.20	6097.11	30.52 N	23.81 W	3.76	31.94
6161.00	9.20	297.40	6159.42	34.96 N	31.93 W	2.47	41.03
6225.00	10.50	294.90	6222.48	39.77 N	41.76 W	2.14	51.86
6287.00	11.80	293.80	6283.31	44.71 N	52.68 W	2.12	63.76
6349.00	13.20	290.30	6343.84	49.73 N	65.12 W	2.57	77.14
6412.00	14.40	286.80	6405.02	54.49 N	79.37 W	2.32	92.16
6475.00	15.40	285.80	6465.90	59.03 N	94.92 W	1.64	108.35
6537.00	16.30	284.70	6525.54	63.48 N	111.26 W	1.53	125.27
6597.00	17.60	286.50	6582.94	68.19 N	128.10 W	2.34	142.75
6659.00	19.80	285.10	6641.66	73.59 N	147.23 W	3.62	162.61
6722.00	22.70	286.80	6700.37	79.88 N	169.17 W	4.71	185.43
6785.00	24.70	287.20	6758.05	87.29 N	193.39 W	3.18	210.75
6848.00	25.40	287.20	6815.13	95.18 N	218.87 W	1.11	237.43
6911.00	26.80	286.80	6871.70	103.28 N	245.37 W	2.24	265.14
6972.00	28.30	288.90	6925.79	111.94 N	272.22 W	2.93	293.35
7034.00	30.00	286.80	6979.93	121.18 N	300.97 W	3.20	323.54
7098.00	30.90	287.50	7035.10	130.74 N	331.96 W	1.51	355.98
7160.00	30.70	286.50	7088.36	140.03 N	362.31 W	0.89	387.72
7223.00	29.40	286.50	7142.89	148.99 N	392.56 W	2.06	419.26
7284.00	29.10	286.10	7196.11	157.35 N	421.17 W	0.59	449.06
7346.00	29.00	285.10	7250.31	165.45 N	450.16 W	0.80	479.14
7407.00	29.20	284.00	7303.61	172.90 N	478.88 W	0.94	508.76
7438.00	29.40	284.00	7330.65	176.57 N	493.60 W	0.65	523.90
7469.00	30.10	283.70	7357.56	180.25 N	508.53 W	2.31	539.25
7499.00	32.50	283.00	7383.19	183.85 N	523.70 W	8.09	554.79
7530.00	35.70	283.00	7408.86	187.76 N	540.63 W	10.32	572.11
7562.00	38.90	283.00	7434.31	192.12 N	559.52 W	10.00	591.44
7593.00	42.60	283.00	7457.79	196.67 N	579.24 W	11.94	611.60
7624.00	46.80	282.60	7479.82	201.50 N	600.50 W	13.58	633.32
7655.00	50.20	283.00	7500.36	206.64 N	623.13 W	11.01	656.45
7685.00	54.00	282.20	7518.79	211.80 N	646.23 W	12.84	680.03
7716.00	57.50	283.30	7536.23	217.46 N	671.22 W	11.66	705.56
7748.00	60.40	284.00	7552.74	223.93 N	697.85 W	9.25	732.90
7779.00	62.70	284.00	7567.50	230.53 N	724.30 W	7.42	760.10
7810.00	65.70	285.40	7580.99	237.61 N	751.29 W	10.50	787.97
7841.00	70.00	285.40	7592.68	245.23 N	778.97 W	13.87	816.65
7871.00	74.30	285.80	7601.87	252.91 N	806.46 W	14.39	845.18
7901.00	79.40	286.50	7608.70	261.04 N	834.51 W	17.15	874.38
7932.00	83.70	288.20	7613.25	270.18 N	863.77 W	14.89	905.03
7963.00	85.30	289.60	7616.22	280.18 N	892.96 W	6.84	935.88

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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
8013.00	88.60	288.00	7618.88	296.26 N	940.22 W	7.33	985.79
8045.00	88.90	286.50	7619.58	305.75 N	970.77 W	4.78	1017.78
8077.00	89.20	285.50	7620.11	314.57 N	1001.53 W	3.26	1049.76
8108.00	89.30	285.40	7620.52	322.83 N	1031.41 W	0.46	1080.74
8140.00	89.60	286.50	7620.82	331.62 N	1062.17 W	3.56	1112.72
8203.00	88.90	285.40	7621.65	348.93 N	1122.74 W	2.07	1175.68
8267.00	89.10	285.40	7622.76	365.92 N	1184.43 W	0.31	1239.63
8330.00	87.90	284.70	7624.41	382.28 N	1245.25 W	2.20	1302.54
8394.00	89.40	286.10	7625.92	399.27 N	1306.93 W	3.21	1366.47
8457.00	92.40	287.90	7624.93	417.68 N	1367.16 W	5.55	1429.44
8521.00	93.20	288.20	7621.81	437.49 N	1427.94 W	1.33	1493.37
8584.00	90.80	287.20	7619.61	456.63 N	1487.92 W	4.13	1556.32
8648.00	91.70	287.50	7618.21	475.71 N	1548.99 W	1.48	1620.31
8711.00	91.80	287.50	7616.29	494.64 N	1609.05 W	0.16	1683.28
8775.00	91.70	287.20	7614.33	513.72 N	1670.10 W	0.49	1747.24
8838.00	91.60	286.50	7612.52	531.97 N	1730.37 W	1.12	1810.21
8901.00	90.10	285.10	7611.58	549.12 N	1790.98 W	3.26	1873.17
8965.00	90.20	285.10	7611.42	565.80 N	1852.77 W	0.16	1937.10
9029.00	89.90	285.40	7611.36	582.63 N	1914.52 W	0.66	2001.05
9093.00	90.10	285.80	7611.36	599.84 N	1976.16 W	0.70	2065.01
9156.00	90.90	286.50	7610.81	617.36 N	2036.67 W	1.69	2127.98
9220.00	92.20	287.20	7609.08	635.91 N	2097.90 W	2.31	2191.95
9283.00	91.90	286.50	7606.83	654.16 N	2158.16 W	1.21	2254.90
9346.00	89.30	286.10	7606.17	671.84 N	2218.62 W	4.18	2317.88
9409.00	89.60	285.80	7606.77	689.15 N	2279.19 W	0.67	2380.84
9473.00	89.50	285.80	7607.27	706.57 N	2340.77 W	0.16	2444.81
9536.00	88.70	285.10	7608.26	723.35 N	2401.48 W	1.69	2507.75
9600.00	88.00	285.80	7610.11	740.40 N	2463.14 W	1.55	2571.68
9663.00	88.00	286.80	7612.30	758.07 N	2523.58 W	1.59	2634.62
9727.00	88.90	288.20	7614.04	777.30 N	2584.59 W	2.60	2698.60
9790.00	89.80	289.30	7614.75	797.55 N	2644.24 W	2.26	2761.58
9854.00	90.20	290.30	7614.75	819.23 N	2704.46 W	1.68	2825.53
9917.00	91.40	291.50	7613.87	841.70 N	2763.30 W	2.69	2888.42
9981.00	93.30	293.00	7611.25	865.91 N	2822.48 W	3.78	2952.16
10045.00	93.60	293.10	7607.40	890.93 N	2881.27 W	0.49	3015.76
10108.00	91.90	292.10	7604.37	915.11 N	2939.36 W	3.13	3078.45
10172.00	91.30	291.70	7602.59	938.97 N	2998.72 W	1.13	3142.25
10235.00	91.00	291.40	7601.32	962.11 N	3057.30 W	0.67	3205.09
10299.00	89.50	290.00	7601.04	984.73 N	3117.17 W	3.21	3269.00
10362.00	88.90	290.70	7601.92	1006.63 N	3176.23 W	1.46	3331.92
10426.00	88.60	290.30	7603.32	1029.04 N	3236.16 W	0.78	3395.83
10475.00	88.20	290.30	7604.69	1046.03 N	3282.10 W	0.82	3444.76
10530.00	87.90	290.30	7606.56	1065.10 N	3333.65 W	0.55	3499.67

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Coordinates from structure and TVD from rotary table.
Bottom hole distance is 3499.67 on azimuth 287.72 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 287.66 degrees.
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INTEQ

DEVON ENERGY

Structure : Apache 24 Fed #10-H

Field :

Slot : slot #1

Location : Eddy County New Mexico



6-511-2005 (source Midco)
Surveyed, plotted, and reduced by Baker Hughes
To correct azimuth from magnetic to true add 8.38 deg

