

# Directional Surveys



Well : **DAVIS 4-2-9**

API # : 05123313920000

Area : Wattenberg

Direction of Vertical Section (in degrees) :

Survey Company : Ensign

Magnetic Dec. Correction :

Extrap.	Depth (MD)	Corrected		TVD	Northings	Eastings	Vertical Section	Dog Leg
		Angle (deg)	Direction (deg)					
	122.00	1.40	195.80	121.98	-1.43	-0.41	-1.43	1.15
	214.00	2.00	160.20	213.94	-4.02	-0.17	-4.02	1.29
	304.00	3.40	134.30	303.83	-7.36	2.27	-7.36	2.03
	396.00	5.20	117.30	395.56	-11.18	7.93	-11.18	2.38
	488.00	6.40	95.20	487.08	-13.56	16.74	-13.56	2.73
	579.00	7.80	81.40	577.38	-13.10	27.90	-13.10	2.41
	670.00	10.00	71.90	667.27	-9.72	41.52	-9.72	2.90
	763.00	12.70	72.90	758.43	-4.21	58.97	-4.21	2.91
	806.00	13.80	71.50	800.28	-1.19	68.35	-1.19	2.66
	869.00	13.70	71.80	861.47	3.52	82.56	3.52	0.19
	963.00	15.30	70.00	952.47	11.24	104.79	11.24	1.77
	1057.00	17.50	69.20	1042.63	20.50	129.66	20.50	2.35
	1153.00	19.00	68.20	1133.79	31.43	157.66	31.43	1.60
	1247.00	21.70	67.60	1221.90	43.73	187.93	43.73	2.88
	1342.00	24.60	67.00	1309.22	58.15	222.37	58.15	3.06
	1436.00	26.10	66.00	1394.16	74.20	259.27	74.20	1.66
	1530.00	27.80	66.70	1477.94	91.28	298.29	91.28	1.84
	2002.00	28.10	70.20	1894.88	172.47	503.97	172.47	0.35
	2097.00	27.80	71.10	1978.80	187.22	545.98	187.22	0.54
	2570.00	25.90	70.70	2400.75	257.09	747.83	257.09	0.40
	2664.00	25.40	70.20	2485.49	270.70	786.17	270.70	0.58
	2759.00	26.00	70.80	2571.09	284.45	825.00	284.45	0.69
	2853.00	26.60	71.30	2655.36	297.97	864.39	297.97	0.68
	2948.00	27.30	70.70	2740.04	311.99	905.10	311.99	0.79
	3042.00	27.60	72.80	2823.46	325.55	946.25	325.55	1.08
	3136.00	26.80	71.10	2907.06	338.85	987.10	338.85	1.19
	3325.00	26.90	71.40	3075.68	366.29	1067.93	366.29	0.09
	3514.00	27.10	69.50	3244.08	395.00	1148.77	395.00	0.47
	3703.00	24.90	71.50	3413.92	422.70	1226.82	422.70	1.25
	3797.00	26.80	71.30	3498.50	435.77	1265.66	435.77	2.02
	3892.00	26.40	70.70	3583.44	449.62	1305.88	449.62	0.51
	3986.00	26.60	69.60	3667.56	463.86	1345.33	463.86	0.56
	4080.00	26.20	68.20	3751.76	478.90	1384.32	478.90	0.79
	4175.00	26.50	68.30	3836.89	494.52	1423.48	494.52	0.32
	4269.00	26.80	67.20	3920.90	510.49	1462.50	510.49	0.61
	4364.00	28.70	69.10	4004.96	526.93	1503.55	526.93	2.21
	4458.00	28.90	71.30	4087.33	542.26	1546.15	542.26	1.15
	4554.00	28.00	69.00	4171.73	557.77	1589.16	557.77	1.48
	4648.00	26.20	68.50	4255.40	573.28	1629.07	573.28	1.93
	4742.00	25.60	69.60	4339.96	587.96	1667.41	587.96	0.82
	4837.00	27.20	68.90	4425.04	602.93	1706.90	602.93	1.72
	4931.00	25.10	70.20	4509.40	617.42	1745.70	617.42	2.32
	5026.00	23.90	69.70	4595.84	630.92	1782.71	630.92	1.28
	5120.00	22.60	70.00	4682.20	643.70	1817.54	643.70	1.39
	5214.00	20.10	71.60	4769.73	654.98	1849.84	654.98	2.73
	5309.00	18.00	71.10	4859.51	664.89	1879.22	664.89	2.22
	5403.00	15.30	72.50	4949.54	673.32	1904.79	673.32	2.90

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Extrap.	Depth (MD)	Angle (deg)	Direction (deg)	TVD	Northings	Eastings	Vertical Section	Dog Leg
	5498.00	14.50	70.90	5041.34	680.98	1927.98	680.98	0.95
	5592.00	12.70	70.70	5132.69	688.25	1948.85	688.25	1.92
	5686.00	10.60	69.50	5224.74	694.69	1966.70	694.69	2.25
	5781.00	8.40	72.70	5318.42	699.81	1981.51	699.81	2.38
	5875.00	7.20	73.10	5411.55	703.56	1993.70	703.56	1.28
	5970.00	5.30	74.40	5505.97	706.47	2003.62	706.47	2.01
	6065.00	4.20	72.50	5600.64	708.70	2011.16	708.70	1.17
	6160.00	2.60	72.60	5695.46	710.39	2016.53	710.39	1.68
	6254.00	1.00	60.10	5789.40	711.44	2019.28	711.44	1.74
	6349.00	0.70	41.50	5884.39	712.29	2020.38	712.29	0.43
	6444.00	0.30	37.60	5979.39	712.92	2020.92	712.92	0.42
	6538.00	0.20	280.00	6073.39	713.14	2020.91	713.14	0.46
	6633.00	0.60	314.80	6168.39	713.52	2020.39	713.52	0.47
	6728.00	0.80	309.00	6263.38	714.29	2019.52	714.29	0.22
	6822.00	1.30	340.10	6357.36	715.71	2018.65	715.71	0.79
	6917.00	1.50	342.20	6452.33	717.91	2017.90	717.91	0.22
	7011.00	1.60	339.50	6546.30	720.31	2017.06	720.31	0.13
	7106.00	1.30	329.50	6641.27	722.48	2016.05	722.48	0.41
	7200.00	1.20	343.30	6735.25	724.34	2015.23	724.34	0.34
	7294.00	1.00	326.80	6829.23	725.97	2014.50	725.97	0.40
	7389.00	0.90	329.50	6924.22	727.31	2013.67	727.31	0.12
	7483.00	0.73	294.00	7018.21	728.19	2012.75	728.19	0.56
	7578.00	0.70	312.10	7113.20	728.83	2011.77	728.83	0.24
	7672.00	0.70	311.70	7207.19	729.60	2010.92	729.60	0.01
	7766.00	0.70	307.00	7301.18	730.33	2010.03	730.33	0.06
	7861.00	0.50	324.30	7396.17	731.02	2009.32	731.02	0.28
	7955.00	0.30	265.40	7490.17	731.33	2008.84	731.33	0.46
	8050.00	0.20	188.90	7585.17	731.15	2008.57	731.15	0.34
	8144.00	0.30	207.60	7679.17	730.77	2008.43	730.77	0.14
	8239.00	0.30	207.60	7774.17	730.33	2008.20	730.33	0.00
	8356.00	0.40	309.10	7891.17	730.32	2007.74	730.32	0.47
	8400.00	0.40	309.10	7935.17	730.51	2007.50	730.51	0.00