

CONFIDENTIAL

SCIENTIFIC DRILLING INTERNATIONAL

MIDLAND, TEXAS

DEVON ENERGY

Well Name : WINSTON SWD #4
Field : EDDY COUNTY, NM
Site :
SHL :
Plan BHL :
Date Surveyed : 28 JANUARY 1999
Job No. : 32K0199018
Surveyor : GARY DESPAIN



This survey is correct to the best of my knowledge
and is supported by actual field data.

Handwritten signature of Gary Despain

COMPANY REPRESENTATIVE

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Height Of WELLSITE Datum Above Field Datum 0.00 ft No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
0.0	0.00	N 0.00°E	0.00	0.00	0.00	0.00	0.0
100.0	0.07	S26.73°E	100.00	-0.05	0.03	0.00	0.1
200.0	0.13	S81.91°E	200.00	-0.13	0.17	0.00	0.1
300.0	0.09	S88.39°W	300.00	-0.14	0.20	-0.12	0.2
400.0	0.77	S55.87°W	400.00	-0.52	-0.43	0.61	0.7
500.0	0.81	S49.25°W	499.99	-1.36	-1.53	1.96	0.1
600.0	0.88	N53.90°W	599.98	-1.37	-2.68	3.01	1.1
700.0	1.03	N52.55°W	699.96	-0.37	-4.02	3.80	0.2
800.0	1.16	N46.78°W	799.95	0.87	-5.47	4.59	0.2
900.0	1.18	N35.27°W	899.93	2.40	-6.80	5.15	0.2
1000.0	0.97	N22.23°W	999.91	4.03	-7.71	5.29	0.3
1100.0	0.88	N11.56°W	1099.90	5.56	-8.19	5.08	0.2
1200.0	0.87	N 2.79°E	1199.88	7.07	-8.30	4.54	0.2
1300.0	0.74	N 3.93°W	1299.87	8.48	-8.31	3.96	0.2
1400.0	0.62	N 1.53°E	1399.87	9.66	-8.34	3.49	0.1
1500.0	0.50	N13.91°W	1499.86	10.63	-8.43	3.16	0.2
1600.0	0.52	N30.33°W	1599.86	11.44	-8.77	3.12	0.1
1700.0	0.51	N50.72°W	1699.85	12.11	-9.34	3.36	0.2
1800.0	0.39	N42.27°W	1799.85	12.65	-9.91	3.65	0.1
1900.0	0.20	N34.64°W	1899.85	13.04	-10.24	3.78	0.2
2000.0	0.29	N55.08°W	1999.85	13.33	-10.55	3.94	0.1
2100.0	0.26	N21.13°W	2099.85	13.69	-10.84	4.05	0.2
2200.0	0.16	N18.99°W	2199.85	14.03	-10.96	4.02	0.1
2300.0	0.19	N26.83°W	2299.85	14.31	-11.08	4.01	0.0
2400.0	0.32	N49.56°W	2399.85	14.64	-11.37	4.13	0.2
2500.0	0.19	N44.51°W	2499.84	14.94	-11.70	4.30	0.1
2600.0	0.13	N62.45°W	2599.84	15.11	-11.92	4.43	0.1
2700.0	0.31	N73.87°W	2699.84	15.24	-12.28	4.70	0.2
2800.0	0.27	S57.21°W	2799.84	15.19	-12.74	5.14	0.2
2900.0	0.24	S49.36°W	2899.84	14.92	-13.09	5.57	0.0
3000.0	0.28	N79.61°W	2999.84	14.83	-13.49	5.98	0.2
3100.0	0.34	S43.42°W	3099.84	14.66	-13.94	6.45	0.3
3200.0	0.43	S36.71°W	3199.84	14.14	-14.36	7.06	0.1
3300.0	0.44	S54.72°W	3299.83	13.62	-14.90	7.76	0.1
3400.0	0.42	S47.46°W	3399.83	13.15	-15.49	8.49	0.1
3500.0	0.50	S49.92°W	3499.83	12.62	-16.09	9.26	0.1
3600.0	0.43	S57.63°W	3599.82	12.14	-16.74	10.06	0.1
3700.0	0.34	S40.68°W	3699.82	11.71	-17.25	10.70	0.1
3800.0	0.43	S78.81°W	3799.82	11.42	-17.81	11.33	0.3
3900.0	0.47	S85.92°W	3899.82	11.31	-18.59	12.08	0.1

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MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
4000.0	0.44	S72.48°W	3999.81	11.17	-19.37	12.84	0.1
4100.0	0.44	S80.42°W	4099.81	10.99	-20.11	13.60	0.1
4200.0	0.38	N89.96°W	4199.81	10.93	-20.82	14.27	0.1
4300.0	0.30	N87.31°W	4299.81	10.94	-21.41	14.80	0.1
4400.0	0.50	N59.04°W	4399.81	11.17	-22.05	15.27	0.3
4500.0	0.58	N67.47°W	4499.80	11.59	-22.89	15.86	0.1
4600.0	0.85	N56.39°W	4599.79	12.20	-23.98	16.59	0.3
4700.0	1.02	N65.98°W	4699.78	12.97	-25.41	17.56	0.2
4800.0	1.21	N49.95°W	4799.76	14.01	-27.03	18.59	0.4
4900.0	1.51	N43.95°W	4899.73	15.64	-28.75	19.47	0.3
5000.0	1.45	N52.34°W	4999.70	17.36	-30.67	20.48	0.2
5100.0	1.51	N46.21°W	5099.67	19.05	-32.62	21.54	0.2
5200.0	1.41	N51.35°W	5199.63	20.73	-34.53	22.56	0.2
5300.0	1.38	N51.76°W	5299.60	22.24	-36.44	23.65	0.0
5400.0	1.33	N46.37°W	5399.58	23.79	-38.22	24.62	0.1
5500.0	1.36	N42.04°W	5499.55	25.47	-39.86	25.39	0.1
5600.0	1.25	N40.15°W	5599.52	27.18	-41.36	26.02	0.1
5700.0	1.22	N43.72°W	5699.50	28.79	-42.80	26.65	0.1
5800.0	1.08	N33.21°W	5799.48	30.34	-44.05	27.13	0.3
5900.0	0.97	N27.18°W	5899.46	31.89	-44.95	27.30	0.2
6000.0	0.78	N30.61°W	5999.45	33.23	-45.68	27.40	0.2
6100.0	0.52	N31.79°W	6099.44	34.20	-46.27	27.52	0.3
6200.0	0.39	N34.52°W	6199.44	34.86	-46.70	27.63	0.1
6300.0	0.34	N33.62°W	6299.44	35.39	-47.06	27.73	0.0
6400.0	0.19	N28.23°W	6399.44	35.78	-47.30	27.79	0.2
6500.0	0.21	N64.86°W	6499.44	36.01	-47.55	27.91	0.1
6600.0	0.31	N40.63°W	6599.44	36.29	-47.89	28.10	0.1
6700.0	0.41	N32.96°W	6699.44	36.80	-48.26	28.23	0.1
6800.0	1.02	N85.19°W	6799.43	37.17	-49.34	29.05	0.8
6900.0	1.42	N89.61°W	6899.41	37.25	-51.47	30.94	0.4
7000.0	0.92	N68.39°W	6999.38	37.56	-53.45	32.61	0.7
7100.0	0.95	S68.78°W	7099.37	37.55	-54.97	33.99	0.7
7200.0	1.64	S37.89°W	7199.35	36.12	-56.62	36.09	1.0
7300.0	1.81	S47.41°W	7299.30	33.93	-58.66	38.87	0.3
7400.0	1.88	S51.38°W	7399.25	31.83	-61.11	41.97	0.1
7500.0	1.81	S50.01°W	7499.20	29.79	-63.60	45.09	0.1
7600.0	1.81	S54.66°W	7599.15	27.87	-66.10	48.17	0.1
7700.0	1.66	S51.30°W	7699.10	26.05	-68.52	51.13	0.2
7800.0	1.40	S58.97°W	7799.07	24.51	-70.69	53.75	0.3
7900.0	1.07	S50.06°W	7899.04	23.28	-72.46	55.87	0.4

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MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
8000.0	0.81	S42.85°W	7999.03	22.17	-73.65	57.42	0.3
8100.0	0.55	S40.17°W	8099.02	21.28	-74.44	58.51	0.3
8200.0	0.38	S26.45°W	8199.02	20.62	-74.90	59.21	0.2
8300.0	0.60	S29.34°E	8299.02	19.86	-74.79	59.43	0.5
8400.0	0.72	S59.64°E	8399.01	19.09	-73.99	59.03	0.4
8500.0	0.90	S69.03°E	8499.00	18.49	-72.72	58.12	0.2
8600.0	1.05	S71.01°E	8598.99	17.91	-71.12	56.92	0.2
8700.0	1.15	S66.50°E	8698.97	17.21	-69.33	55.59	0.1
8800.0	1.19	S75.85°E	8798.95	16.56	-67.40	54.12	0.2
8900.0	1.50	S75.73°E	8898.92	15.98	-65.13	52.30	0.3
9000.0	1.67	S78.19°E	8998.88	15.36	-62.43	50.12	0.2
9100.0	1.87	S78.74°E	9098.83	14.75	-59.41	47.64	0.2
9200.0	2.10	S75.24°E	9198.77	13.96	-56.04	44.91	0.3
9300.0	2.10	S72.08°E	9298.71	12.93	-52.52	42.16	0.1
9400.0	2.16	S69.22°E	9398.64	11.70	-49.01	39.50	0.1
9500.0	2.50	S66.90°E	9498.55	10.17	-45.25	36.73	0.4
9600.0	2.57	S67.97°E	9598.46	8.48	-41.16	33.74	0.1
9700.0	2.96	S69.77°E	9698.34	6.74	-36.66	30.39	0.4
9800.0	3.33	S69.48°E	9798.19	4.83	-31.52	26.54	0.4
9900.0	3.26	S66.00°E	9898.03	2.66	-26.20	22.63	0.2
10000.0	3.23	S63.13°E	9997.87	0.23	-21.09	19.03	0.2
10100.0	3.15	S60.65°E	10097.71	-2.39	-16.18	15.68	0.2
10200.0	3.26	S56.53°E	10197.55	-5.31	-11.42	12.59	0.3
10200.1	3.26	S56.52°E	10197.65	-5.31	-11.41	12.59	0.0

Origin of Bottom Hole Closure WELLSITE CENTRE
 Bottom Hole Closure 13 ft S65.04°W



**Scientific
Drilling**

Devon Energy Corporation
Field: SWD
Site: Eddy County, New Mexico
Well: Winston SWD #4
Wellpath: Cased hole
Survey: Survey #1

