

30-025-30229-1535/N+2575/E G-32-04-38

TEXACO**WDDU # 93**

Denver Region

Estimate: 674201

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SURVEY REPORT

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Lateral: 1

Proposed Direction: 270

Dog Leg Severity per: 100 feet

Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100	0.16	198.21	100.00	-0.13	-0.04	-0.04	0.16	
200	0.16	151.76	200.00	-0.39	-0.02	-0.02	0.13	
300	0.24	166.84	300.00	-0.72	0.09	0.09	0.10	
400	0.19	224.57	400.00	-1.04	0.02	0.02	0.21	
500	0.22	179.96	500.00	-1.35	-0.09	-0.09	0.16	
600	0.55	212.79	600.00	-1.94	-0.35	-0.35	0.38	
700	0.50	181.98	699.99	-2.78	-0.63	-0.63	0.28	
800	0.59	197.03	799.99	-3.71	-0.79	-0.79	0.17	
900	0.47	224.23	899.98	-4.50	-1.23	-1.23	0.28	
1000	0.19	187.34	999.98	-4.96	-1.54	-1.54	0.34	
1100	0.45	247.38	1099.98	-5.27	-1.92	-1.92	0.39	
1200	0.34	191.33	1199.98	-5.71	-2.34	-2.34	0.38	
1300	0.55	222.99	1299.97	-6.35	-2.73	-2.73	0.32	
1400	0.27	192.62	1399.97	-6.94	-3.11	-3.11	0.35	
1500	0.50	253.79	1499.97	-7.29	-3.58	-3.58	0.44	
1600	0.64	255.84	1599.97	-7.55	-4.54	-4.54	0.14	
1700	0.26	226.52	1699.96	-7.84	-5.24	-5.24	0.43	
1800	0.63	271.43	1799.96	-7.98	-5.96	-5.96	0.48	
1900	0.38	279.70	1899.96	-7.91	-6.83	-6.83	0.26	
2000	0.50	16.01	1999.95	-7.44	-7.04	-7.04	0.66	
2100	1.79	48.76	2099.93	-5.99	-5.75	-5.75	1.40	
2200	2.15	48.82	2199.87	-3.72	-3.16	-3.16	0.36	
2300	1.57	48.21	2299.82	-1.57	-0.73	-0.73	0.58	
2400	2.09	58.46	2399.77	0.29	1.85	-1.85	0.61	
2500	2.12	53.95	2499.70	2.33	4.90	-4.90	0.17	
2600	1.84	57.28	2599.64	4.29	7.75	-7.75	0.30	
2700	1.25	24.43	2699.61	6.15	9.55	-9.55	1.04	
2800	1.18	59.92	2799.59	7.66	10.89	-10.89	0.74	
2900	0.79	65.99	2899.57	8.46	12.41	-12.41	0.40	
3000	0.53	52.45	2999.56	9.02	13.41	-13.41	0.30	
3100	0.35	59.32	3099.56	9.46	14.04	-14.04	0.19	
3200	0.28	81.41	3199.56	9.65	14.54	-14.54	0.14	
3300	0.25	224.88	3299.56	9.53	14.63	-14.63	0.50	
3400	0.21	293.01	3399.56	9.45	14.30	-14.30	0.26	
3500	0.21	258.19	3499.56	9.48	13.96	-13.96	0.13	
3600	0.58	255.10	3599.55	9.32	13.29	-13.29	0.37	
3700	0.53	235.97	3699.55	8.93	12.42	-12.42	0.19	
3800	0.48	223.81	3799.55	8.37	11.74	-11.74	0.12	
3900	0.58	230.35	3899.54	7.74	11.06	-11.06	0.12	
4000	0.21	248.44	3999.54	7.35	10.50	-10.50	0.39	
4100	0.97	230.64	4099.53	6.75	9.68	-9.68	0.77	
4200	1.08	227.00	4199.52	5.57	8.33	-8.33	0.13	
4300	0.54	221.86	4299.51	4.57	7.33	-7.33	0.54	
4400	0.59	212.81	4399.50	3.79	6.74	-6.74	0.10	
4500	0.78	248.46	4499.50	3.11	5.83	-5.83	0.46	
4600	0.27	236.34	4599.49	2.73	5.00	-5.00	0.52	
4700	0.84	228.12	4699.49	2.11	4.25	-4.25	0.57	
4800	0.44	234.51	4799.48	1.39	3.40	-3.40	0.41	
4900	0.54	278.59	4899.48	1.24	2.62	-2.62	0.38	
5000	0.43	250.66	4999.47	1.19	1.80	-1.80	0.26	
5100	0.66	277.25	5099.47	1.14	0.87	-0.87	0.34	



5200	0.45	254.53	5199.46	1.10	-0.08	0.08	0.30	
5300	0.76	236.84	5299.46	0.64	-1.01	1.01	0.36	
5400	0.84	234.12	5399.45	-0.16	-2.16	-2.16	0.09	
5500	0.80	240.61	5499.44	-0.93	-3.36	-3.36	0.10	
5600	0.69	230.06	5599.43	-1.66	-4.43	-4.43	0.18	
5700	0.64	232.41	5699.42	-2.39	-5.34	-5.34	0.06	
5800	0.65	227.77	5799.42	-3.11	-6.20	-6.20	0.05	
5900	0.68	227.35	5899.41	-3.89	-7.06	-7.06	0.03	
6000	0.89	219.11	5999.40	-4.90	-7.98	-7.98	0.24	
6100	1.11	233.20	6099.39	-6.03	-9.25	-9.25	0.33	
6200	0.83	234.30	6199.37	-7.08	-10.61	-10.61	0.28	
6300	0.75	221.92	6299.36	-7.99	-11.64	-11.64	0.19	
6400	0.93	195.60	6399.35	-9.26	-12.29	-12.29	0.42	
6402	3.50	270.00	6401.35	-9.27	-12.36	-12.36	168.55	GYRO
6417	12.00	270.00	6416.20	-9.27	-14.38	-14.38	56.67	
6432	20.00	282.50	6430.61	-8.72	-18.45	-18.45	57.78	
6447	28.30	283.90	6444.29	-7.31	-24.42	-24.42	55.46	MWD
6462	0.76	184.68	6461.34	-10.15	-12.46	3.82	0.38	
6469	40.30	279.30	6462.43	-4.89	-36.55	-36.55	55.77	
6501	49.20	275.00	6485.14	-2.16	-58.88	-58.88	29.36	
6532	55.00	273.80	6504.17	-0.29	-83.25	-83.25	18.96	
6564	59.40	272.30	6521.50	1.13	-110.11	110.11	14.30	
6595	63.40	270.00	6536.34	1.66	-137.31	137.31	14.45	
6596	63.40	270.00	6536.82	1.68	-138.19	138.19	14.00	
6627	68.10	269.30	6549.48	1.48	-166.48	166.48	14.82	
6658	73.10	268.00	6559.78	0.79	-195.70	195.70	16.61	
6690	77.60	267.30	6567.87	-0.48	-226.63	-226.63	14.22	
6722	80.20	268.00	6574.03	-1.77	-258.00	-258.00	8.40	
6753	83.50	269.20	6578.42	-2.52	-288.67	-288.67	11.31	
6785	88.70	270.00	6580.60	-2.74	-320.58	-320.58	16.44	
6817	94.30	270.10	6579.76	-2.71	-352.56	-352.56	17.50	
6849	100.10	269.00	6575.75	-2.96	-384.29	-384.29	18.44	
6881	102.40	269.70	6569.51	-3.32	-415.67	-415.67	7.50	
6913	101.80	269.50	6562.80	-3.53	-446.96	-446.96	1.97	
6944	103.00	269.40	6556.14	-3.83	-477.24	-477.24	3.88	
6975	102.60	270.00	6549.28	-3.98	-507.47	-507.47	2.29	
7007	104.10	270.90	6541.89	-3.74	-538.60	-538.60	5.43	
7037	103.50	271.00	6534.73	-3.26	-567.73	-567.73	2.03	
7069	102.50	271.10	6527.53	-2.69	-598.90	-598.90	3.14	
7101	103.80	271.50	6520.25	-1.98	-630.06	-630.06	4.24	
7132	103.70	271.70	6512.88	-1.14	-660.16	-660.16	0.70	
7164	103.90	270.90	6505.25	-0.43	-691.22	-691.22	2.51	
7197	103.00	271.50	6497.58	0.24	-723.31	723.31	3.25	
7236	102.60	271.20	6488.94	1.14	-761.33	761.33	1.27	
7256	102.60	271.20	6484.57	1.54	-780.85	780.85	0.00	EST. @ BIT

Lateral: 2

Proposed Direction: 90

Dog Leg Severity per: 100 feet

Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
0	0.00	0.00	-0.40	24.74	17.77	17.77	-0.01	
6300	0.80	221.92	6299.40	-8.00	-11.80	11.80	0.20	GYRO
6358	3.75	73.00	6357.36	-7.75	-10.26	10.26	7.68	
6373	10.90	76.10	6372.23	-7.26	-8.41	8.41	47.72	
6386	18.20	77.00	6384.81	-6.52	-5.06	5.06	56.18	
6388	18.20	77.00	6386.74	-6.39	-4.74	4.74	48.69	
6403	25.60	88.80	6400.66	-5.80	0.79	-0.79	57.17	



6413	30.60	87.90	6409.47	-5.66	5.50	-5.50	50.18
6435	41.40	88.40	6427.25	-5.25	18.40	-18.40	49.11
6467	49.50	87.80	6449.68	-4.49	41.17	-41.17	25.35
6499	54.80	87.60	6469.31	-3.47	66.41	-66.41	16.57
6531	56.40	87.40	6487.38	-2.32	92.79	-92.79	5.03
6561	62.00	87.60	6502.74	-1.20	118.52	-118.52	18.68
6593	67.30	87.80	6516.43	-0.04	147.41	-147.41	16.57
6625	72.60	88.90	6527.40	0.82	177.45	177.45	16.87
6656	77.80	90.10	6535.32	1.08	207.41	207.41	17.19MWD
6688	80.00	91.40	6541.48	0.67	238.80	238.80	7.95
6719	79.40	91.40	6547.02	-0.08	269.29	-269.29	1.94
6750	78.90	91.00	6552.86	-0.71	299.73	-299.73	2.05
6782	80.90	90.40	6558.47	-1.10	331.23	-331.23	6.52
6814	80.80	90.40	6563.56	-1.32	362.82	-362.82	0.31
6848	80.80	90.10	6568.99	-1.47	396.39	-396.39	0.87
6875	80.30	90.30	6573.43	-1.56	423.02	-423.02	1.99
6910	85.50	90.40	6577.75	-1.77	457.74	-457.74	14.86
6942	91.50	89.20	6578.59	-1.66	489.71	-489.71	19.12MWD
6973	95.30	88.70	6576.75	-1.09	520.65	-520.65	12.36
7005	100.00	88.90	6572.49	-0.43	552.35	-552.35	14.70
7037	102.40	88.90	6566.28	0.18	583.73	583.73	7.50
7068	101.90	88.90	6559.75	0.76	614.03	614.03	1.61
7099	101.40	89.00	6553.49	1.31	644.38	644.38	1.64
7131	101.10	89.20	6547.25	1.81	675.77	675.77	1.12
7162	100.30	89.00	6541.49	2.28	706.22	706.22	2.66
7194	99.70	88.80	6535.94	2.89	737.73	737.73	1.97
7226	102.60	88.80	6529.75	3.55	769.12	769.12	9.06
7258	102.20	89.30	6522.88	4.07	800.37	800.37	1.97MWD
7289	101.70	89.30	6516.46	4.44	830.69	830.69	1.61
7321	101.50	89.40	6510.02	4.79	862.04	862.04	0.70
7353	101.40	89.30	6503.67	5.15	893.40	893.40	0.44
7385	100.90	89.30	6497.48	5.53	924.79	924.79	1.56
7416	100.30	89.40	6491.78	5.88	955.26	955.26	1.96
7422	100.20	89.30	6490.71	5.94	961.16	961.16	2.34
7462	100.10	89.30	6483.66	6.42	1000.53	1000.53	0.25MWD