



Job Number: SVCO-110096
 Company: YATES PETROLEUM CORP.
 Lease/Well: TROJANS BQT ST., Well #1H
 Location: EDDY COUNTY, NEW MEXICO
 Rig Name: PATTERSON #75
 RKB: 22'

State/Country: NEW MEXICO / USA
 Declination: 7.69°
 Grid: EAST TO GRID
 File name: F:\SURVEY\2011SU-1\YATES\TROJAN1H.SVY
 Date/Time: 31-Jan-11 / 08:09
 Curve Name: Surface - 9531' M.D. (Gyroscopic)

SUR: P-36-25s-28e, 660/S & 330/E
 BHL: M-36-25s-28e, 642/S & 351/W
 API # 30-015-38261

or M.S.L.: GL

MS SURVEY

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 269.87
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 9531' MD is, to the best of
 our knowledge a true and accurate account of the
 well bore.
 Dana Miller 2/1/11
 MS Energy Services Date



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
200.00	.50	351.51	200.00	.86	-.13	.13	.87	351.51	.25
400.00	.50	348.62	399.99	2.58	-.43	.42	2.62	350.55	.01
600.00	.50	13.73	599.98	4.28	-.39	.39	4.30	354.73	.11
800.00	.75	64.83	799.97	5.69	1.00	-1.01	5.78	9.94	.29
1000.00	.75	26.94	999.96	7.41	2.77	-2.79	7.92	20.52	.24
1200.00	.75	6.00	1199.94	9.88	3.50	-3.53	10.48	19.53	.14
1400.00	.25	343.43	1399.93	11.60	3.52	-3.54	12.12	16.86	.26
1600.00	.75	315.54	1599.92	12.95	2.48	-2.50	13.19	10.82	.27
1800.00	1.00	332.65	1799.90	15.44	.76	-.79	15.46	2.81	.18
2000.00	1.25	312.70	1999.86	18.47	-1.65	1.61	18.54	354.90	.23
2200.00	.75	38.75	2199.84	20.97	-2.43	2.38	21.11	353.38	.71
2400.00	1.50	73.80	2399.80	22.72	.90	-.95	22.74	2.27	.49
2600.00	2.25	74.85	2599.69	24.48	7.20	-7.26	25.51	16.40	.38
2800.00	1.50	66.91	2799.59	26.53	13.40	-13.46	29.72	26.80	.40

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E Distance FT	Direction Deg	Dogleg Severity Deg/100
3000.00	1.25	71.96	2999.53	28.23	17.88	-17.95	33.42	32.35	.14
3200.00	1.00	77.07	3199.49	29.30	21.66	-21.73	36.43	36.48	.13
3400.00	1.25	53.12	3399.45	31.00	25.11	-25.18	39.89	39.01	.26
3600.00	.75	22.18	3599.42	33.52	27.34	-27.42	43.26	39.21	.36
3800.00	.75	38.23	3799.40	35.76	28.65	-28.73	45.82	38.70	.10
4000.00	.50	44.29	3999.39	37.41	30.07	-30.15	48.00	38.79	.13
4200.00	.75	53.34	4199.38	38.82	31.73	-31.82	50.13	39.26	.13
4400.00	.25	31.67	4399.37	39.97	33.01	-33.10	51.84	39.55	.26
4600.00	.50	16.72	4599.37	41.18	33.49	-33.58	53.08	39.12	.13
4800.00	.50	356.78	4799.36	42.88	33.69	-33.79	54.53	38.15	.09
5000.00	.25	204.83	4999.36	43.36	33.46	-33.56	54.77	37.65	.37
5200.00	.25	159.88	5199.36	42.55	33.42	-33.52	54.11	38.15	.10
5400.00	.25	98.94	5399.36	42.08	34.00	-34.10	54.10	38.94	.13
5600.00	.25	130.99	5599.35	41.72	34.77	-34.86	54.31	39.80	.07
5800.00	.75	116.05	5799.35	40.86	36.27	-36.36	54.64	41.59	.26
6000.00	1.00	148.10	5999.32	38.81	38.37	-38.46	54.57	44.68	.27
6200.00	1.25	151.16	6199.28	35.41	40.34	-40.42	53.68	48.72	.13
6400.00	1.25	152.19	6399.24	31.57	42.41	-42.48	52.87	53.34	.01
6600.00	.75	157.19	6599.21	28.44	43.94	-44.00	52.34	57.09	.25
6800.00	1.00	201.19	6799.18	25.60	43.82	-43.87	50.75	59.70	.35
7000.00	1.00	220.19	6999.15	22.64	42.06	-42.11	47.77	61.70	.17
7200.00	1.00	241.19	7199.12	20.47	39.40	-39.45	44.40	62.55	.18
7400.00	.50	264.20	7399.11	19.54	37.01	-37.05	41.85	62.17	.29
7600.00	.75	318.21	7599.10	20.43	35.26	-35.31	40.75	59.92	.30
7800.00	1.25	323.22	7799.07	23.15	33.09	-33.14	40.38	55.02	.25
8000.00	1.50	20.21	7999.02	27.35	32.68	-32.75	42.62	50.07	.67
8200.00	1.25	352.22	8198.96	31.97	33.29	-33.37	46.16	46.16	.35
8400.00	1.00	289.22	8398.93	34.71	31.35	-31.43	46.77	42.09	.60
8600.00	1.50	258.24	8598.88	34.75	27.14	-27.22	44.09	37.99	.41
8800.00	2.00	237.23	8798.79	32.33	21.64	-21.72	38.90	33.80	.40
9000.00	1.50	242.24	8998.70	29.22	16.39	-16.46	33.50	29.29	.26
9200.00	1.75	232.24	9198.62	26.13	11.66	-11.72	28.61	24.05	.19
9400.00	1.50	220.25	9398.54	22.26	7.55	-7.60	23.51	18.75	.21
Last Survey Depth Recorded									
9531.00	1.50	211.26	9529.49	19.49	5.56	-5.60	20.26	15.92	.18