

30.015.37552



Job Number: SVCO-100432
 Company: Yates Petroleum
 Lease/Well: Osprey BPS State 1H
 Location: Eddy County, NM
 Rig Name: Silver Oak #10
 RKB: 18.5'
 G.L. or M.S.L.: GL

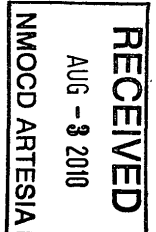
State/Country: New Mexico/USA
 Declination: 8.04°
 Grid: East To Grid
 File name: F:\SURVEY\2010SU~1\YATESP~1\OSPREY1H.SVY
 Date/Time: 02-Jun-10 / 13:41
 Curve Name: Surface - 600' M.D. (Gyroscopic)

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 90.10
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 Surface MD to 600' MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
 Dana Tuttle 6/2/10
 MS Energy Services Date

MR

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
200.00	.25	10.90	200.00	.43	.08	.08	.44	10.90	.12
400.00	.25	96.24	400.00	.81	.60	.60	1.01	36.49	.17
Last Survey Depth Recorded									
600.00	.25	57.59	600.00	1.00	1.40	1.40	1.72	54.59	.08





Job Number: 101117505373
 Company: Yates Petroleum
 Lease/Well: Sherpa Boy State 1H
 Location: Eddy County, NM
 Rig Name: Silver Oak #10
 RKB: 18.5'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.89°
 Grid: East To Grid
 File name: F:\SURVEY\2010SU~1\YATESP~1\SHERPA1H.SVY
 Date/Time: 10-May-10 / 10:48
 Curve Name: Surface - 8430' M.D. (gyroscopic)

We hereby certify that our survey data from
 Surface MD to 8430' MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
 Dana Jutte 5/10/10
 MS Energy Services Date

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 89.80
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
200.00	.25	6.32	200.00	.43	.05	.05	.44	6.32	.12
400.00	.50	339.26	400.00	1.68	-.21	-.21	1.70	352.79	.15
600.00	.50	329.19	599.99	3.25	-.97	-.96	3.39	343.39	.04
800.00	.50	321.13	799.98	4.68	-1.96	-1.95	5.07	337.23	.04
1000.00	.25	24.06	999.98	5.76	-2.33	-2.31	6.21	337.93	.22
1200.00	.50	86.00	1199.97	6.22	-1.28	-1.26	6.35	348.32	.22
1400.00	.50	81.94	1399.96	6.40	.45	.47	6.41	4.02	.02
1600.00	.75	86.87	1599.95	6.59	2.62	2.64	7.09	21.68	.13
1800.00	2.00	89.81	1799.89	6.68	7.42	7.44	9.98	48.02	.63

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2000.00	1.00	61.74	1999.82	7.51	12.45	12.47	14.54	58.88	.61
2200.00	1.00	89.68	2199.79	8.35	15.73	15.76	17.81	62.04	.24
2400.00	.75	119.62	2399.77	7.71	18.61	18.64	20.15	67.49	.26
2600.00	.50	122.55	2599.76	6.60	20.48	20.51	21.52	72.15	.13
2800.00	.75	122.49	2799.75	5.42	22.32	22.34	22.97	76.35	.13
3000.00	.75	159.43	2999.73	3.49	23.89	23.90	24.14	81.68	.24
3200.00	.50	131.04	3199.72	1.70	25.01	25.01	25.06	86.12	.20
3400.00	.50	125.98	3399.71	.61	26.37	26.37	26.38	88.67	.02
3600.00	.50	135.91	3599.70	-.53	27.68	27.68	27.69	91.10	.04
3800.00	.50	124.85	3799.70	-1.65	29.01	29.00	29.05	93.26	.05
4000.00	.25	162.78	3999.69	-2.57	29.85	29.84	29.96	94.92	.17
4200.00	.50	126.72	4199.69	-3.51	30.68	30.67	30.88	96.52	.17
4400.00	1.00	152.66	4399.67	-5.58	32.18	32.16	32.66	99.84	.30
4600.00	1.00	158.59	4599.64	-8.76	33.62	33.59	34.74	104.60	.05
4800.00	.50	173.53	4799.62	-11.25	34.36	34.32	36.15	108.13	.27
5000.00	.50	167.46	4999.62	-12.97	34.64	34.60	36.99	110.52	.03
5200.00	.50	181.40	5199.61	-14.69	34.81	34.76	37.79	112.88	.06
5400.00	.50	127.37	5399.60	-16.09	35.48	35.43	38.96	114.40	.23
5600.00	.75	158.35	5599.59	-17.84	36.66	36.60	40.77	115.95	.21
5800.00	1.00	169.32	5799.57	-20.77	37.47	37.39	42.84	119.00	.15
6000.00	1.00	148.29	5999.54	-23.97	38.71	38.62	45.53	121.77	.18
6200.00	.75	109.19	6199.51	-25.89	40.86	40.77	48.37	122.35	.32
6400.00	1.00	128.17	6399.49	-27.39	43.47	43.37	51.38	122.22	.19
6600.00	1.50	174.13	6599.45	-31.08	45.11	45.00	54.78	124.56	.54
6800.00	1.00	230.10	6799.41	-34.80	44.04	43.92	56.13	128.32	.63
7000.00	1.25	280.08	6999.37	-35.54	40.55	40.43	53.92	131.23	.49
7200.00	1.25	234.03	7199.33	-36.44	36.64	36.51	51.67	134.84	.49
7400.00	1.25	224.00	7399.28	-39.29	33.36	33.22	51.54	139.67	.11
7600.00	1.00	234.98	7599.24	-41.86	30.41	30.27	51.74	144.00	.16
7800.00	.75	225.95	7799.22	-43.77	28.04	27.89	51.98	147.35	.14

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
8000.00	1.00	209.92	7999.20	-46.19	26.23	26.07	53.12	150.41	.17
8200.00	1.50	160.83	8199.15	-50.18	26.22	26.04	56.62	152.41	.57
8400.00	2.75	163.81	8399.01	-57.26	28.42	28.22	63.92	153.60	.63
Last Survey Depth Recorded									
8430.00	2.75	163.74	8428.98	-58.64	28.82	28.61	65.34	153.83	.01