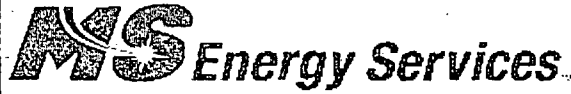


30-015-39544



Job Number: SVCO-120340
 Company: Yates Petroleum Corporation
 Lease/Well: DOMINO AOJ FEDERAL COM 13H
 Location: Eddy County, NM
 Rig Name: Patterson #511
 RKB: 19'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.43°
 Grid: East To Grid
 File name: F:\SURVEY\2012SU~1\YATES\CONROE\DOMINO~1\13H.SVY
 Date/Time: 13-Mar-12 / 16:18
 Curve Name: Surface - 8500' M.D. (Gyroscopic)

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 273.75
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
Surface MD to 8,500 MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
Sammy Smith 3/13/12
 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	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
200.00	.75	218.42	199.99	-1.03	-.81	.74	1.31	218.42	.38
400.00	.50	245.54	399.98	-2.41	-2.42	2.26	3.42	225.10	.19
600.00	.25	241.66	599.98	-2.98	-3.60	3.40	4.67	230.37	.13
800.00	.50	179.78	799.97	-4.06	-3.98	3.71	5.69	224.43	.22
1000.00	.25	134.88	999.97	-5.24	-3.67	3.32	6.40	214.98	.18
1200.00	.25	185.00	1199.97	-5.98	-3.40	3.00	6.88	209.58	.11
1400.00	.25	113.10	1399.97	-6.59	-3.03	2.60	7.25	204.72	.15
1600.00	2.00	47.13	1599.92	-4.39	-.07	-.21	4.39	180.96	.96
1800.00	2.25	54.25	1799.79	.28	5.67	-5.64	5.68	87.15	.18

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		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2000.00	2.50	44.34	1999.62	5.70	11.91	-11.51	13.20	64.43	.24
2200.00	2.25	60.45	2199.45	10.75	18.37	-17.63	21.28	59.66	.35
2400.00	2.00	54.57	2399.31	14.71	24.63	-23.61	28.69	59.15	.17
2600.00	1.00	64.69	2599.24	17.48	29.05	-27.84	33.90	58.96	.52
2800.00	.25	180.74	2799.23	17.79	30.62	-29.39	35.41	59.85	.57
3000.00	.25	340.84	2999.23	17.77	30.47	-29.25	35.27	59.76	.25
3200.00	.50	294.96	3199.22	18.55	29.54	-28.26	34.88	57.88	.19
3400.00	.75	304.66	3399.21	19.66	27.67	-26.33	33.94	54.61	.14
3600.00	1.00	291.76	3599.19	21.05	24.97	-23.54	32.66	49.87	.16
3800.00	1.00	275.81	3799.16	21.87	21.62	-20.14	30.75	44.66	.14
4000.00	.75	286.91	3999.13	22.43	18.63	-17.12	29.16	39.71	.15
4200.00	.50	262.01	4199.12	22.69	16.51	-14.99	28.06	36.04	.18
4400.00	.75	286.11	4399.11	22.93	14.39	-12.86	27.07	32.11	.18
4600.00	1.00	298.17	4599.09	24.12	11.59	-9.99	26.76	25.67	.15
4800.00	.75	288.27	4799.06	25.35	8.81	-7.13	26.84	19.16	.15
5000.00	1.00	306.37	4999.04	26.80	6.16	-4.40	27.50	12.95	.18
5200.00	1.75	272.47	5198.99	27.97	1.71	.13	28.02	3.49	.54
5400.00	2.50	274.52	5398.85	28.44	-5.69	7.54	29.01	348.68	.38
5600.00	1.25	280.62	5598.74	29.19	-12.19	14.07	31.63	337.34	.63
5800.00	.75	261.67	5798.70	29.40	-15.62	17.51	33.29	332.01	.30
6000.00	1.25	244.72	5998.67	28.28	-18.89	20.70	34.01	326.25	.29
6200.00	1.25	213.75	6198.63	25.53	-22.08	23.70	33.75	319.15	.33
6400.00	1.50	216.80	6398.57	21.62	-24.86	26.22	32.95	311.02	.13
6600.00	2.00	232.84	6598.48	17.42	-29.21	30.28	34.01	300.81	.35
6800.00	2.00	236.90	6798.36	13.40	-34.91	35.71	37.40	291.00	.07
7000.00	3.00	221.91	6998.17	7.60	-41.33	41.74	42.02	280.42	.59
7200.00	2.00	240.98	7197.98	2.02	-47.88	47.91	47.92	272.41	.64
7400.00	2.00	245.04	7397.85	-1.15	-54.09	53.90	54.11	268.78	.07
7600.00	.75	244.11	7597.79	-3.19	-58.44	58.10	58.52	266.87	.63

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		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
7800.00	.25	41.14	7797.79	-3.44	-59.33	58.98	59.43	266.68	.49
8000.00	.25	280.19	7997.79	-3.03	-59.47	59.14	59.55	267.08	.22
8200.00	1.00	285.57	8197.77	-2.49	-61.58	61.29	61.63	267.69	.38
8400.00	1.25	293.62	8397.74	-1.14	-65.26	65.05	65.27	269.00	.15
Last Survey Depth Recorded									
8500.00	1.25	295.71	8497.71	-.23	-67.24	67.08	67.24	269.80	.05