

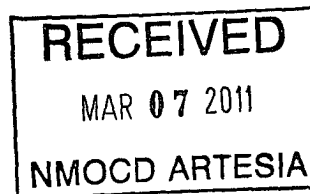
30-015-32569

Job Number: TXL0103-D011
 Company: SOUTHWESTERN ENERGY COMPANY
 Lease/Well: EAGLE 4 SL # 1
 Location: EDDY COUNTY
 Rig Name: PATTERSON / UTI # 510
 RKB:
 G.L. or M.S.L.:

State/Country: NEW MEXICO
 Declination: 8.79
 Grid:
 File name: C:\WINSURV2\EAGLE.SVY
 Date/Time: 05-Feb-03 / 06:17
 Curve Name:

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 180.00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

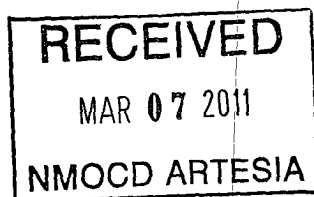
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
5010.00	85.10	178.10	4801.54	-349.69	109.38	349.69	366.39	162.63	3.51
5042.00	85.70	178.60	4804.11	-381.57	110.30	381.57	397.19	163.88	2.44
5074.00	85.40	178.80	4806.59	-413.46	111.03	413.46	428.11	164.97	1.13
5105.00	86.60	177.90	4808.75	-444.37	111.92	444.37	458.25	165.86	4.83
5136.00	87.70	177.80	4810.29	-475.31	113.08	475.31	488.58	166.62	3.56
5168.00	87.60	177.90	4811.61	-507.26	114.28	507.26	519.98	167.30	.44
5198.00	87.40	178.10	4812.91	-537.22	115.32	537.22	549.46	167.88	.94
5230.00	89.70	178.00	4813.72	-569.19	116.41	569.19	580.97	168.44	7.19
5260.00	92.50	178.20	4813.15	-599.16	117.41	599.16	610.56	168.91	9.36
5291.00	92.40	178.40	4811.82	-630.12	118.33	630.12	641.13	169.36	.72
5321.00	92.10	178.10	4810.64	-660.08	119.24	660.08	670.77	169.76	1.41
5352.00	92.00	178.20	4809.54	-691.05	120.24	691.05	701.43	170.13	.46
5384.00	91.80	178.30	4808.47	-723.01	121.22	723.01	733.11	170.48	.70
5414.00	91.50	178.60	4807.61	-752.99	122.03	752.99	762.81	170.79	1.41
5446.00	91.20	178.70	4806.86	-784.97	122.78	784.97	794.52	171.11	.99



Job Number: TXL0103-D011	State/Country: NEW MEXICO
Company: SOUTHWESTERN ENERGY COMPANY	Inclination: 8.79
Lease/Well: EAGLE 4 SL # 1	Grid:
Location: EDDY COUNTY	File name: C:\WINSURV2\EAGLE.SVY
Rig Name: PATTERSON / UTI # 510	Date/Time: 06-Feb-03 / 08:05
RKB:	Curve Name:
G.L. or M.S.L.:	

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 180.00
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		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
5508.00	90.90	178.90	4805.80	-846.95	123.92	846.95	855.97	171.68	.62
5538.00	90.90	179.00	4805.33	-876.94	124.47	876.94	885.73	171.92	.33
5569.00	90.60	178.80	4804.93	-907.94	125.06	907.94	916.51	172.16	1.16
5600.00	90.50	178.50	4804.63	-938.93	125.79	938.93	947.32	172.37	1.02
5632.00	90.40	178.90	4804.38	-970.92	126.52	970.92	979.13	172.58	1.29
5662.00	90.30	178.90	4804.20	-1000.91	127.09	1000.91	1008.95	172.76	.33
5693.00	90.20	178.90	4804.06	-1031.90	127.69	1031.90	1039.78	172.95	.32
5724.00	89.90	179.20	4804.03	-1062.90	128.20	1062.90	1070.60	173.12	1.37
5755.00	89.90	179.40	4804.09	-1093.90	128.58	1093.90	1101.43	173.30	.65
5786.00	89.40	179.20	4804.28	-1124.90	128.96	1124.90	1132.26	173.46	1.74
5817.00	89.40	179.40	4804.60	-1155.89	129.34	1155.89	1163.10	173.62	.65
5848.00	89.30	179.60	4804.95	-1186.89	129.61	1186.89	1193.94	173.77	.72
5879.00	89.00	179.60	4805.41	-1217.88	129.83	1217.88	1224.78	173.92	.97
5910.00	88.80	179.40	4806.01	-1248.88	130.10	1248.88	1255.63	174.05	.91
5942.00	88.70	179.60	4806.71	-1280.87	130.38	1280.87	1287.49	174.19	.70
5973.00	88.40	179.30	4807.49	-1311.86	130.67	1311.86	1318.35	174.31	1.37
6005.00	88.40	179.60	4808.38	-1343.84	130.98	1343.84	1350.21	174.43	.94
6036.00	90.40	179.60	4808.71	-1374.84	131.20	1374.84	1381.08	174.55	6.45
6067.00	90.40	179.30	4808.49	-1405.84	131.49	1405.84	1411.97	174.66	.97
6099.00	90.00	179.00	4808.38	-1437.83	131.97	1437.83	1443.88	174.76	1.56
6130.00	89.60	179.20	4808.49	-1468.83	132.46	1468.83	1474.79	174.85	1.44
6161.00	89.30	179.60	4808.79	-1499.83	132.78	1499.83	1505.69	174.94	1.61
6193.00	90.70	179.50	4808.79	-1531.82	133.03	1531.82	1537.59	175.04	4.39



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	
6225.00	91.00	179.60	4808.31	-1563.82	133.28	1563.82	1569.49	175.13	.99
--Projection to Bit--									
6269.00	91.41	179.74	4807.39	-1607.81	133.54	1607.81	1613.34	175.25	.99