



Job Number: Sec. 7 T225 R24E
 Company: Santa Fe / Snyder
 Lease/Well: OldRanch Canyon 7 #4
 Location: Eddy Co.
 Rig Name:
 RKB:
 G.L. or M.S.L.:

State/Country: New Mexico
 Declination: 9.8° East
 Grid: True
 File name: C:\WINSERVE\SANTAF~1\OLDRAN4.SVY
 Date/Time: 16-Feb-00 / 14:14
 Curve Name: Directional

Daily International Inc.
 Midland, Texas

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 186.34
 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
Kick off Point									
3431.66	.00	186.34	3431.66	.00	.00	.00	.00	.00	.00
3530.66	1.49	186.34	3530.65	-1.28	-.14	1.28	1.28	186.34	1.50
3629.66	2.87	186.34	3629.57	-5.10	-.57	5.13	5.13	186.34	1.50
3728.66	4.46	186.34	3728.36	-11.47	-1.27	11.54	11.54	186.34	1.50
3827.66	5.94	186.34	3826.95	-20.38	-2.27	20.51	20.51	186.34	1.50
3926.66	7.43	186.34	3925.27	-31.83	-3.54	32.03	32.03	186.34	1.50
4025.66	8.91	186.34	4023.27	-45.81	-5.09	46.09	46.09	186.34	1.50
4124.66	10.40	186.34	4120.86	-62.31	-6.93	62.69	62.69	186.34	1.50
4223.66	11.88	186.34	4218.00	-81.31	-9.04	81.81	81.81	186.34	1.50
1.5° per 100' Build Rate									
4322.66	13.37	186.34	4314.60	-102.82	-11.43	103.45	103.45	186.34	1.50
4421.66	14.85	186.34	4410.61	-126.80	-14.09	127.58	127.58	186.34	1.50
4520.66	16.34	186.34	4505.97	-153.24	-17.03	154.19	154.19	186.34	1.50
4619.66	17.82	186.34	4600.60	-182.14	-20.25	183.26	183.26	186.34	1.50
4718.66	19.31	186.34	4694.45	-213.46	-23.73	214.77	214.77	186.34	1.50
4817.66	20.79	186.34	4787.44	-247.19	-27.48	248.71	248.71	186.34	1.50
4916.66	22.28	186.34	4879.63	-283.30	-31.49	285.05	285.05	186.34	1.50
5015.66	23.76	186.34	4970.65	-321.77	-35.77	323.75	323.75	186.34	1.50
5114.66	25.25	186.34	5060.73	-362.58	-40.30	364.81	364.81	186.34	1.50
5213.66	26.73	186.34	5149.72	-405.69	-45.10	408.19	408.19	186.34	1.50