

SCIENTIFIC DRILLING INTERNATIONAL

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 Well Name : SANTA FE ENERGY P.G. 4 FEDERAL #1 Date
 Location : EDDY COUNTY, NEW MEXICO Filename : PG4FED1
 : SINGLE SHOT SURVEYS TAKEN BY JOE THOMPSON
 : FROM 11411 FT. - 12075 FT. No Interpolation

MD	INC	DIR	TVD	+N/-S	+E/-W	VS	D'LEG
ft	deg	deg	ft	ft	ft	ft	°/100
0	0.00	N 0.00°E	0.00	0.00	0.00	0.00	0.0
100	0.00	N 0.00°E	100.00	0.00	0.00	0.00	0.0
200	0.15	N14.35°W	200.00	0.13	-0.03	0.12	0.1
300	0.23	N18.56°E	300.00	0.44	-0.00	0.44	0.1
400	0.33	N36.04°E	400.00	0.87	0.23	0.89	0.1
500	0.62	N49.91°E	499.99	1.45	0.82	1.52	0.3
600	0.95	N58.72°E	599.99	2.23	1.94	2.40	0.4
700	1.00	N57.98°E	699.97	3.12	3.39	3.43	0.1
800	1.10	N54.15°E	799.95	4.15	4.90	4.59	0.1
900	1.05	N71.81°E	899.94	4.99	6.55	5.59	0.3
1000	1.22	N77.17°E	999.92	5.52	8.46	6.30	0.2
1100	0.95	N71.25°E	1099.90	6.02	10.28	6.97	0.3
1200	1.24	N70.97°E	1199.88	6.64	12.09	7.76	0.3
1300	1.18	N75.35°E	1299.86	7.25	14.11	8.56	0.1
1400	1.20	N85.05°E	1399.84	7.60	16.15	9.10	0.2
1500	0.90	N89.12°E	1499.82	7.70	17.98	9.38	0.3
1600	0.41	S85.17°E	1599.81	7.69	19.12	9.47	0.5
1700	0.45	N56.28°E	1699.81	7.87	19.80	9.72	0.3
1800	0.34	S78.05°E	1799.81	8.03	20.42	9.94	0.3
1900	0.14	S54.63°E	1899.81	7.90	20.81	9.84	0.2
2000	0.13	N31.53°W	1999.81	7.96	20.83	9.91	0.3
2100	0.22	N13.54°E	2099.81	8.28	20.79	10.22	0.2
2200	0.20	N57.48°W	2199.81	8.56	20.69	10.49	0.2
2300	0.50	N46.02°W	2299.80	8.96	20.23	10.84	0.3
2400	0.93	N41.04°W	2399.80	9.87	19.38	11.67	0.4
2500	0.70	N23.46°W	2499.79	11.05	18.60	12.77	0.3
2600	0.74	N33.78°W	2599.78	12.14	18.00	13.80	0.1
2700	0.76	N27.79°W	2699.77	13.27	17.33	14.86	0.1
2800	0.53	N34.90°W	2799.76	14.27	16.74	15.80	0.2
2900	0.41	N82.83°W	2899.76	14.73	16.09	16.19	0.4
3000	0.21	N62.19°W	2999.76	14.86	15.57	16.27	0.2
3100	0.47	S64.15°W	3099.76	14.77	15.04	16.13	0.4
3200	0.31	S51.53°W	3199.75	14.42	14.46	15.73	0.2
3300	0.54	S42.14°E	3299.75	13.90	14.57	15.22	0.6
3400	2.82	S50.78°E	3399.70	12.00	16.79	13.54	2.3
3500	3.33	S46.62°E	3499.56	8.45	20.81	10.39	0.6
3600	2.77	S50.56°E	3599.42	4.92	24.78	7.25	0.6
3700	2.95	S58.77°E	3699.29	2.05	28.85	4.78	0.4
3800	2.93	S51.80°E	3799.16	-0.89	33.09	2.26	0.4
3900	3.03	S42.00°E	3899.02	-4.47	36.90	-0.93	0.5