

SCIENTIFIC DRILLING SURVEY REPORT

Date: 11/22/2000 Location: SDI w/ Ryan Well: MWD Survey: 6275-7916	Date: 11/22/2000 Location: SDI w/ Ryan Well: MWD Survey: 6275-7916	Date: 11/22/2000 Location: SDI w/ Ryan Well: MWD Survey: 6275-7916
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Survey: 6/29/00-7/7/00 MWD 6275'-7916'	Start Date: 11/22/2000 Engineer: L. Coetzee
Company: SDI w/ Ryan Tool: MWD	

Survey										
MDL ft	Incl deg	Azms deg	TYD ft	N/S ft	E/W ft	VS ft	DLS d/100ft	ChA deg	ChD ft	
6275.0	1.13	13.30	6273.1	0.7	68.9	-68.9	0.00	89.38	68.9	
6340.0	22.20	274.80	6336.5	2.4	56.6	-56.6	34.45	87.56	56.7	
6350.0	28.00	272.70	6345.6	2.7	52.4	-52.4	58.67	87.07	52.5	
6360.0	33.60	272.00	6354.2	2.9	47.3	-47.3	56.11	86.50	47.4	
6400.0	56.30	268.80	6382.3	2.9	19.2	-19.2	57.02	81.34	19.4	
6410.0	58.90	269.20	6387.6	2.8	10.8	-10.8	26.22	75.53	11.1	
6420.0	60.50	269.20	6392.7	2.7	2.2	-2.2	16.00	38.94	3.4	
6430.0	61.90	269.20	6397.5	2.5	-6.6	6.6	14.00	291.01	7.1	
6462.0	66.20	269.90	6411.5	2.3	-35.4	35.4	13.58	273.75	35.5	
6493.0	66.70	271.00	6423.9	2.5	-63.8	63.8	3.63	272.28	63.8	
6525.0	65.30	271.30	6436.9	3.1	-93.0	93.0	4.46	271.93	93.1	
6557.0	65.40	270.60	6450.3	3.6	-122.1	122.1	2.01	271.69	122.2	
6589.0	64.80	269.60	6463.7	3.7	-151.1	151.1	3.40	271.39	151.2	
6620.0	64.90	269.90	6476.9	3.5	-179.2	179.2	0.93	271.13	179.2	
6652.0	65.40	269.20	6490.3	3.3	-208.2	208.2	2.53	270.91	208.2	
6684.0	63.90	268.80	6504.0	2.8	-237.1	237.1	4.82	270.68	237.2	
6716.0	63.90	268.80	6518.1	2.2	-265.9	265.9	0.00	270.47	265.9	
6747.0	64.10	268.50	6531.7	1.5	-293.7	293.7	1.08	270.30	293.7	
6779.0	63.70	268.10	6545.8	0.7	-322.4	322.4	1.68	270.12	322.4	
6811.0	63.50	269.90	6560.0	0.2	-351.1	351.1	5.08	270.03	351.1	
6842.0	63.50	269.90	6573.9	0.1	-378.8	378.8	0.00	270.02	378.8	
6874.0	63.20	270.30	6588.2	0.2	-407.4	407.4	1.46	270.03	407.4	
6905.0	63.20	270.60	6602.2	0.4	-435.1	435.1	0.86	270.05	435.1	
6937.0	64.10	270.60	6616.4	0.7	-463.8	463.8	2.81	270.09	463.8	
7000.0	63.90	269.90	6644.0	1.0	-520.4	520.4	1.05	270.11	520.4	
7032.0	63.70	269.50	6658.1	0.8	-549.1	549.1	1.28	270.08	549.1	
7064.0	64.10	269.50	6672.2	0.6	-577.9	577.9	1.25	270.06	577.9	
7095.0	64.20	269.50	6685.7	0.3	-605.8	605.8	0.32	270.03	605.8	
7127.0	64.90	270.30	6699.5	0.3	-634.6	634.6	3.14	270.02	634.6	
7158.0	64.80	271.30	6712.7	0.7	-662.7	662.7	2.94	270.06	662.7	
7189.0	64.60	271.30	6725.9	1.3	-690.7	690.7	0.65	270.11	690.7	
7221.0	64.80	269.90	6739.6	1.6	-719.7	719.7	4.00	270.13	719.7	
7252.0	65.80	269.20	6752.5	1.4	-747.8	747.8	3.82	270.11	747.8	
7283.0	66.50	269.20	6765.1	1.0	-776.2	776.2	2.26	270.07	776.2	
7320.0	64.60	270.30	6780.4	0.8	-809.8	809.8	5.80	270.06	809.8	
7345.0	64.90	270.30	6791.0	0.9	-832.5	832.5	1.20	270.07	832.5	
7376.0	64.10	271.00	6804.4	1.3	-860.4	860.4	3.29	270.08	860.4	
7408.0	64.10	271.00	6818.4	1.8	-889.2	889.2	0.00	270.11	889.2	
7439.0	63.90	272.00	6832.0	2.5	-917.1	917.1	2.97	270.16	917.1	
7471.0	63.70	272.00	6846.1	3.5	-945.8	945.8	0.62	270.21	945.8	
7503.0	63.90	269.90	6860.2	4.0	-974.5	974.5	5.92	270.23	974.5	
7533.0	64.40	269.50	6873.3	3.8	-1001.5	1001.5	2.05	270.22	1001.5	
7565.0	64.60	269.50	6887.1	3.6	-1030.3	1030.3	0.62	270.20	1030.4	
7596.0	65.30	270.60	6900.2	3.6	-1058.4	1058.4	3.93	270.20	1058.4	
7627.0	65.40	271.00	6913.1	4.0	-1086.6	1086.6	1.22	270.21	1086.6	
7659.0	63.30	272.40	6927.0	4.9	-1115.4	1115.4	7.66	270.25	1115.4	
7690.0	63.00	272.70	6941.0	6.1	-1143.1	1143.1	1.30	270.30	1143.1	
7722.0	62.50	269.90	6955.6	6.7	-1171.5	1171.5	7.93	270.33	1171.5	