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\*-----SCHLUMBERGER-----\*  
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SCHLUMBERGER DIRECTIONAL SURVEY

UNION OIL OF CAL

CES 42-7

WILDCAT

BEAVER COUNTY, UTAH

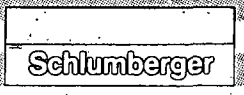
RUN NO. 1        3357 - 6004

MARCH 1, 1978

START OF SURVEY IS CASING AT 3357 FT.

TANGENTIAL METHOD

REFERENCE JOB 4107.



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DEPTH	DEVIATION	AZIMUTH	VERTICAL	TRUE CO-ORDINATES		COURSE		* * * * *	
FEET	DEGREES	DEGREES	DEPTH	+ NORTH	+ EAST	+ SOUTH	+ WEST	LENGTH	FEET
* * * * *		* * * * *		* * * * *		* * * * *		* * * * *	
3357.0	6.0	302.0	3357.0	-0.0	0.0			0.0	
3360.0	6.0	353.0	3360.0	0.2	-0.3			0.3	
3370.0	6.0	329.8	3369.9	0.7	-1.2			1.4	
3380.0	6.0	306.6	3379.9	1.3	-2.0			2.4	
3390.0	6.0	304.0	3389.8	1.9	-2.9			3.4	
3400.0	6.0	304.0	3399.8	2.4	-3.8			4.5	
3410.0	6.0	305.0	3409.7	3.0	-4.6			5.5	
3420.0	6.0	301.0	3419.7	3.6	-5.5			6.6	
3430.0	6.0	302.0	3429.6	4.1	-6.4			7.6	
3440.0	6.1	302.0	3439.5	4.7	-7.3			8.7	
3450.0	6.1	303.0	3449.5	5.3	-8.2			9.8	
3460.0	6.1	304.0	3459.4	5.9	-9.1			10.8	
3470.0	6.2	305.0	3469.4	6.5	-10.0			11.9	
3480.0	6.2	303.0	3479.3	7.1	-10.9			13.0	
3490.0	6.2	301.0	3489.3	7.6	-11.8			14.1	
3500.0	6.3	300.0	3499.2	8.2	-12.8			15.2	
3510.0	6.3	300.0	3509.1	8.7	-13.7			16.2	
3520.0	6.3	298.0	3519.1	9.2	-14.7			17.3	
3530.0	6.4	299.0	3529.0	9.8	-15.6			18.5	
3540.0	6.4	300.0	3538.9	10.3	-16.6			19.6	
3550.0	6.4	300.0	3548.9	10.9	-17.6			20.7	
3560.0	6.5	297.0	3558.8	11.4	-18.6			21.8	
3570.0	6.5	296.0	3568.8	11.9	-19.6			22.9	
3580.0	6.5	295.0	3578.7	12.4	-20.6			24.1	
3590.0	6.5	296.0	3588.6	12.9	-21.6			25.2	
3600.0	6.5	295.0	3598.6	13.4	-22.7			26.3	
3610.0	6.5	295.0	3608.5	13.8	-23.7			27.4	
3620.0	6.5	295.0	3618.4	14.3	-24.7			28.6	
3630.0	6.6	295.0	3628.4	14.8	-25.8			29.7	
3640.0	6.6	295.0	3638.3	15.3	-26.8			30.9	
3650.0	6.6	294.0	3648.2	15.8	-27.9			32.0	
3660.0	6.6	294.0	3658.2	16.2	-28.9			33.2	
3670.0	6.6	293.0	3668.1	16.7	-30.0			34.3	
3680.0	6.6	294.0	3678.0	17.1	-31.0			35.4	
3690.0	6.6	293.0	3688.0	17.6	-32.1			36.6	
3700.0	6.6	294.0	3697.9	18.1	-33.1			37.7	
3710.0	6.6	291.0	3707.8	18.5	-34.2			38.9	
3720.0	6.6	289.0	3717.8	18.8	-35.3			40.0	
3730.0	6.6	291.0	3727.7	19.3	-36.4			41.1	
3740.0	6.6	291.0	3737.6	19.7	-37.4			42.3	
3750.0	6.6	290.0	3747.6	20.1	-38.5			43.4	
3760.0	6.7	290.0	3757.5	20.5	-39.6			44.6	
3770.0	6.7	290.0	3767.4	20.9	-40.7			45.7	
3780.0	6.7	291.0	3777.4	21.3	-41.8			46.9	
3790.0	6.7	291.0	3787.3	21.7	-42.9			48.1	
3800.0	6.7	291.0	3797.2	22.1	-44.0			49.2	



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DEPTH	DEVIATION	AZIMUTH	VERTICAL	CO-ORDINATES		COURSE	
FEET	DEGREES	DEGREES	DEPTH	+ NORTH	+ EAST	+ SOUTH	LENGTH
			FEET	- SOUTH	- WEST	- WEST	FEET
*****							
3810.0	6.7	292.0	3807.2	22.5	-45.1		50.4
3820.0	6.7	293.0	3817.1	23.0	-46.1		51.5
3830.0	6.7	293.0	3827.0	23.5	-47.2		52.7
3840.0	6.7	293.0	3837.0	23.9	-48.3		53.9
3850.0	6.7	294.0	3846.9	24.4	-49.3		55.0
3860.0	6.7	292.0	3856.8	24.8	-50.4		56.2
3870.0	6.7	293.0	3866.8	25.3	-51.5		57.4
3880.0	6.7	294.0	3876.7	25.8	-52.6		58.5
3890.0	6.7	296.0	3886.6	26.3	-53.6		59.7
3900.0	6.7	296.0	3896.6	26.8	-54.7		60.9
3910.0	6.7	297.0	3906.5	27.3	-55.7		62.0
3920.0	6.7	299.0	3916.4	27.9	-56.7		63.2
3930.0	6.7	298.0	3926.3	28.4	-57.8		64.4
3940.0	6.7	298.0	3936.3	29.0	-58.8		65.5
3950.0	6.7	298.0	3946.2	29.5	-59.6		66.7
3960.0	6.7	295.0	3956.1	30.0	-60.9		67.9
3970.0	6.7	295.0	3966.1	30.5	-61.9		69.0
3980.0	6.7	294.0	3976.0	31.0	-63.0		70.2
3990.0	6.7	294.0	3985.9	31.5	-64.1		71.4
4000.0	6.7	293.0	3995.9	31.9	-65.1		72.5
4010.0	6.7	293.0	4005.8	32.4	-66.2		73.7
4020.0	6.7	292.0	4015.7	32.8	-67.3		74.9
4030.0	6.7	294.0	4025.7	33.3	-68.4		76.0
4040.0	6.7	294.0	4035.6	33.8	-69.4		77.2
4050.0	6.7	293.0	4045.5	34.2	-70.5		78.4
4060.0	6.6	294.0	4055.5	34.7	-71.5		79.5
4070.0	6.6	294.0	4065.4	35.1	-72.6		80.7
4080.0	6.5	293.0	4075.3	35.6	-73.6		81.8
4090.0	6.5	293.0	4085.3	36.0	-74.7		82.9
4100.0	6.4	294.0	4095.2	36.5	-75.7		84.0
4110.0	6.4	293.0	4105.1	36.9	-76.7		85.1
4120.0	6.3	294.0	4115.1	37.4	-77.7		86.2
4130.0	6.3	294.0	4125.0	37.8	-78.7		87.3
4140.0	6.3	292.0	4135.0	38.2	-79.7		88.4
4150.0	6.3	291.0	4144.9	38.6	-80.8		89.5
4160.0	6.2	292.0	4154.8	39.0	-81.8		90.6
4170.0	6.2	291.0	4164.8	39.4	-82.8		91.7
4180.0	6.2	290.0	4174.7	39.8	-83.8		92.8
4190.0	6.2	291.0	4184.7	40.2	-84.8		93.8
4200.0	6.2	288.0	4194.6	40.5	-85.8		94.9
4210.0	6.2	289.0	4204.5	40.8	-86.8		96.0
4220.0	6.1	290.0	4214.5	41.2	-87.8		97.0
4230.0	6.1	289.0	4224.4	41.6	-88.9		98.1
4240.0	6.1	290.0	4234.4	41.9	-89.9		99.1
4250.0	6.1	290.0	4244.3	42.3	-90.8		100.2
4260.0	6.1	291.0	4254.3	42.7	-91.8		101.3
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* * * * * TRUE * * * * * CO-ORDINATES * * * * *			
* DEPTH *	* DEVIATION *	* AZIMUTH *	* VERTICAL * COURSE *
* FEET *	* DEGREES *	* DEGREES *	* + NORTH * + EAST * LENGTH *
		* FEET *	* - SOUTH * - WEST * FEET *
* 4270.0 *	* 6.1 *	* 292.0 *	* 4264.2 * 43.1 * -92.8 * 102.3 *
* 4280.0 *	* 6.0 *	* 289.0 *	* 4274.2 * 43.4 * -93.8 * 103.4 *
* 4290.0 *	* 6.0 *	* 291.0 *	* 4284.1 * 43.8 * -94.8 * 104.4 *
* 4300.0 *	* 6.0 *	* 289.0 *	* 4294.0 * 44.1 * -95.8 * 105.5 *
* 4310.0 *	* 6.0 *	* 289.0 *	* 4304.0 * 44.5 * -96.8 * 106.5 *
* 4320.0 *	* 6.1 *	* 288.0 *	* 4313.9 * 44.8 * -97.8 * 107.5 *
* 4330.0 *	* 6.0 *	* 285.0 *	* 4323.9 * 45.1 * -98.8 * 108.6 *
* 4340.0 *	* 6.0 *	* 285.0 *	* 4333.8 * 45.3 * -99.8 * 109.6 *
* 4350.0 *	* 6.0 *	* 284.0 *	* 4343.8 * 45.6 * -100.8 * 110.6 *
* 4360.0 *	* 6.0 *	* 283.0 *	* 4353.7 * 45.8 * -101.8 * 111.7 *
* 4370.0 *	* 6.0 *	* 282.0 *	* 4363.7 * 46.0 * -102.9 * 112.7 *
* 4380.0 *	* 5.9 *	* 284.0 *	* 4373.6 * 46.3 * -103.9 * 113.7 *
* 4390.0 *	* 6.0 *	* 285.0 *	* 4383.6 * 46.6 * -104.9 * 114.7 *
* 4400.0 *	* 6.0 *	* 284.0 *	* 4393.5 * 46.8 * -105.9 * 115.8 *
* 4410.0 *	* 6.0 *	* 283.0 *	* 4403.4 * 47.0 * -106.9 * 116.8 *
* 4420.0 *	* 6.0 *	* 283.0 *	* 4413.4 * 47.3 * -107.9 * 117.8 *
* 4430.0 *	* 6.0 *	* 282.0 *	* 4423.3 * 47.5 * -108.9 * 118.8 *
* 4440.0 *	* 6.0 *	* 282.0 *	* 4433.3 * 47.7 * -110.0 * 119.9 *
* 4450.0 *	* 6.0 *	* 281.0 *	* 4443.2 * 47.9 * -111.0 * 120.9 *
* 4460.0 *	* 6.0 *	* 282.0 *	* 4453.2 * 48.1 * -112.0 * 121.9 *
* 4470.0 *	* 6.0 *	* 277.0 *	* 4463.1 * 48.3 * -113.0 * 122.9 *
* 4480.0 *	* 6.0 *	* 278.0 *	* 4473.1 * 48.4 * -114.1 * 123.9 *
* 4490.0 *	* 6.0 *	* 278.0 *	* 4483.0 * 48.5 * -115.1 * 124.9 *
* 4500.0 *	* 6.0 *	* 278.0 *	* 4492.9 * 48.7 * -116.1 * 125.9 *
* 4510.0 *	* 6.0 *	* 278.0 *	* 4502.9 * 48.8 * -117.2 * 127.0 *
* 4520.0 *	* 6.0 *	* 278.0 *	* 4512.8 * 49.0 * -118.2 * 128.0 *
* 4530.0 *	* 6.0 *	* 278.0 *	* 4522.8 * 49.1 * -119.3 * 129.0 *
* 4540.0 *	* 6.0 *	* 280.0 *	* 4532.7 * 49.3 * -120.3 * 130.0 *
* 4550.0 *	* 6.0 *	* 279.0 *	* 4542.7 * 49.5 * -121.3 * 131.0 *
* 4560.0 *	* 6.0 *	* 280.0 *	* 4552.6 * 49.7 * -122.3 * 132.0 *
* 4570.0 *	* 6.0 *	* 281.0 *	* 4562.6 * 49.9 * -123.4 * 133.1 *
* 4580.0 *	* 6.0 *	* 279.0 *	* 4572.5 * 50.0 * -124.4 * 134.1 *
* 4590.0 *	* 6.0 *	* 279.0 *	* 4582.5 * 50.2 * -125.4 * 135.1 *
* 4600.0 *	* 6.0 *	* 278.0 *	* 4592.4 * 50.3 * -126.5 * 136.1 *
* 4610.0 *	* 6.0 *	* 279.0 *	* 4602.3 * 50.5 * -127.5 * 137.1 *
* 4620.0 *	* 6.0 *	* 277.0 *	* 4612.3 * 50.6 * -128.5 * 138.1 *
* 4630.0 *	* 6.0 *	* 278.0 *	* 4622.2 * 50.8 * -129.6 * 139.2 *
* 4640.0 *	* 6.0 *	* 279.0 *	* 4632.2 * 50.9 * -130.6 * 140.2 *
* 4650.0 *	* 6.0 *	* 278.0 *	* 4642.1 * 51.1 * -131.6 * 141.2 *
* 4660.0 *	* 6.0 *	* 279.0 *	* 4652.1 * 51.2 * -132.7 * 142.2 *
* 4670.0 *	* 6.0 *	* 278.0 *	* 4662.0 * 51.4 * -133.7 * 143.2 *
* 4680.0 *	* 6.0 *	* 281.0 *	* 4672.0 * 51.6 * -134.7 * 144.3 *
* 4690.0 *	* 6.0 *	* 279.0 *	* 4681.9 * 51.7 * -135.8 * 145.3 *
* 4700.0 *	* 6.0 *	* 280.0 *	* 4691.9 * 51.9 * -136.8 * 146.3 *
* 4710.0 *	* 6.0 *	* 281.0 *	* 4701.8 * 52.1 * -137.8 * 147.4 *
* 4720.0 *	* 6.0 *	* 279.0 *	* 4711.7 * 52.3 * -138.9 * 148.4 *



*****										
* TRUE					* CO-ORDINATES					
* DEPTH	* DEVIATION	* AZIMUTH	* VERTICAL	*****						* COURSE
* FEET	* DEGREES	* DEGREES	* DEPTH	* + NORTH	* + EAST	* LENGTH	* - SOUTH	* - WEST	* FEET	
*****										
* 4730.0	* 6.0	* 280.0	* 4721.7	* 52.5	* -139.9	* 149.4	* -	* -	* -	
* 4740.0	* 6.0	* 280.0	* 4731.6	* 52.7	* -140.9	* 150.4	* -	* -	* -	
* 4750.0	* 6.0	* 278.0	* 4741.6	* 52.8	* -142.0	* 151.5	* -	* -	* -	
* 4760.0	* 5.8	* 283.0	* 4751.5	* 53.0	* -142.9	* 152.5	* -	* -	* -	
* 4770.0	* 5.8	* 283.0	* 4761.5	* 53.3	* -143.9	* 153.5	* -	* -	* -	
* 4780.0	* 5.8	* 281.0	* 4771.4	* 53.4	* -144.9	* 154.5	* -	* -	* -	
* 4790.0	* 5.7	* 282.0	* 4781.4	* 53.6	* -145.9	* 155.4	* -	* -	* -	
* 4800.0	* 5.7	* 277.0	* 4791.3	* 53.8	* -146.9	* 156.4	* -	* -	* -	
* 4810.0	* 5.8	* 274.0	* 4801.3	* 53.8	* -147.9	* 157.4	* -	* -	* -	
* 4820.0	* 5.9	* 273.0	* 4811.2	* 53.9	* -148.9	* 158.4	* -	* -	* -	
* 4830.0	* 5.8	* 272.0	* 4821.2	* 53.9	* -149.9	* 159.3	* -	* -	* -	
* 4840.0	* 5.8	* 272.0	* 4831.1	* 54.0	* -150.9	* 160.3	* -	* -	* -	
* 4850.0	* 5.8	* 274.0	* 4841.1	* 54.0	* -151.9	* 161.3	* -	* -	* -	
* 4860.0	* 5.9	* 273.0	* 4851.0	* 54.1	* -153.0	* 162.2	* -	* -	* -	
* 4870.0	* 5.9	* 274.0	* 4861.0	* 54.2	* -154.0	* 163.2	* -	* -	* -	
* 4880.0	* 5.9	* 274.0	* 4870.9	* 54.2	* -155.0	* 164.2	* -	* -	* -	
* 4890.0	* 5.9	* 274.0	* 4880.9	* 54.3	* -156.0	* 165.2	* -	* -	* -	
* 4900.0	* 5.8	* 274.0	* 4890.8	* 54.4	* -157.0	* 166.2	* -	* -	* -	
* 4910.0	* 5.8	* 272.0	* 4900.8	* 54.4	* -158.1	* 167.2	* -	* -	* -	
* 4920.0	* 5.8	* 272.0	* 4910.7	* 54.4	* -159.1	* 168.1	* -	* -	* -	
* 4930.0	* 5.8	* 273.0	* 4920.7	* 54.5	* -160.1	* 169.1	* -	* -	* -	
* 4940.0	* 5.9	* 273.0	* 4930.6	* 54.6	* -161.1	* 170.1	* -	* -	* -	
* 4950.0	* 5.9	* 273.0	* 4940.5	* 54.6	* -162.1	* 171.1	* -	* -	* -	
* 4960.0	* 5.9	* 272.0	* 4950.5	* 54.6	* -163.2	* 172.1	* -	* -	* -	
* 4970.0	* 5.9	* 272.0	* 4960.4	* 54.7	* -164.2	* 173.0	* -	* -	* -	
* 4980.0	* 5.9	* 271.0	* 4970.4	* 54.7	* -165.2	* 174.0	* -	* -	* -	
* 4990.0	* 5.9	* 269.0	* 4980.3	* 54.7	* -166.2	* 175.0	* -	* -	* -	
* 5000.0	* 5.9	* 270.0	* 4990.3	* 54.7	* -167.3	* 176.0	* -	* -	* -	
* 5010.0	* 5.9	* 269.0	* 5000.2	* 54.7	* -168.3	* 176.9	* -	* -	* -	
* 5020.0	* 5.9	* 269.0	* 5010.2	* 54.6	* -169.3	* 177.9	* -	* -	* -	
* 5030.0	* 6.0	* 268.0	* 5020.1	* 54.6	* -170.4	* 178.9	* -	* -	* -	
* 5040.0	* 6.0	* 269.0	* 5030.1	* 54.6	* -171.4	* 179.9	* -	* -	* -	
* 5050.0	* 6.0	* 270.0	* 5040.0	* 54.6	* -172.5	* 180.9	* -	* -	* -	
* 5060.0	* 6.0	* 271.0	* 5050.0	* 54.6	* -173.5	* 181.9	* -	* -	* -	
* 5070.0	* 6.0	* 271.0	* 5059.9	* 54.6	* -174.5	* 182.9	* -	* -	* -	
* 5080.0	* 6.1	* 271.0	* 5069.8	* 54.6	* -175.6	* 183.9	* -	* -	* -	
* 5090.0	* 6.1	* 272.0	* 5079.8	* 54.7	* -176.7	* 184.9	* -	* -	* -	
* 5100.0	* 6.0	* 273.0	* 5089.7	* 54.7	* -177.7	* 186.0	* -	* -	* -	
* 5110.0	* 6.0	* 274.0	* 5099.7	* 54.8	* -178.8	* 187.0	* -	* -	* -	
* 5120.0	* 6.0	* 272.0	* 5109.6	* 54.8	* -179.8	* 188.0	* -	* -	* -	
* 5130.0	* 6.0	* 274.0	* 5119.6	* 54.9	* -180.8	* 189.0	* -	* -	* -	
* 5140.0	* 6.0	* 274.0	* 5129.5	* 55.0	* -181.9	* 190.0	* -	* -	* -	
* 5150.0	* 6.0	* 272.0	* 5139.5	* 55.0	* -182.9	* 191.0	* -	* -	* -	
* 5160.0	* 6.1	* 274.0	* 5149.4	* 55.1	* -184.0	* 192.1	* -	* -	* -	
* 5170.0	* 6.0	* 271.0	* 5159.3	* 55.1	* -185.0	* 193.1	* -	* -	* -	
* 5180.0	* 6.0	* 272.0	* 5169.3	* 55.2	* -186.1	* 194.1	* -	* -	* -	
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* DEPTH *	* DEVIATION *	* AZIMUTH *	* VERTICAL *	* CO-ORDINATES *		* COURSE *
* FEET *	* DEGREES *	* DEGREES *	* FEET *	* + NORTH *	* + EAST *	* LENGTH *
* *	* *	* *	* *	* - SOUTH *	* - WEST *	* FEET *
*****						
* 5190.0 *	* 6.0 *	* 271.0 *	* 5179.2 *	* 55.2 *	* -187.1 *	* 195.1 *
* 5200.0 *	* 6.0 *	* 270.0 *	* 5189.2 *	* 55.2 *	* -188.2 *	* 196.1 *
* 5210.0 *	* 6.0 *	* 272.0 *	* 5199.1 *	* 55.2 *	* -189.2 *	* 197.1 *
* 5220.0 *	* 6.0 *	* 270.0 *	* 5209.1 *	* 55.2 *	* -190.3 *	* 198.1 *
* 5230.0 *	* 6.0 *	* 271.0 *	* 5219.0 *	* 55.2 *	* -191.3 *	* 199.1 *
* 5240.0 *	* 6.0 *	* 270.0 *	* 5229.0 *	* 55.2 *	* -192.3 *	* 200.1 *
* 5250.0 *	* 6.0 *	* 270.0 *	* 5238.9 *	* 55.2 *	* -193.4 *	* 201.1 *
* 5260.0 *	* 6.0 *	* 268.0 *	* 5248.9 *	* 55.2 *	* -194.4 *	* 202.1 *
* 5270.0 *	* 6.0 *	* 273.0 *	* 5258.8 *	* 55.2 *	* -195.5 *	* 203.1 *
* 5280.0 *	* 6.0 *	* 269.0 *	* 5268.7 *	* 55.2 *	* -196.5 *	* 204.1 *
* 5290.0 *	* 6.0 *	* 271.0 *	* 5278.7 *	* 55.2 *	* -197.6 *	* 205.2 *
* 5300.0 *	* 6.0 *	* 270.0 *	* 5288.6 *	* 55.2 *	* -198.6 *	* 206.2 *
* 5310.0 *	* 6.0 *	* 270.0 *	* 5298.6 *	* 55.2 *	* -199.7 *	* 207.2 *
* 5320.0 *	* 6.0 *	* 267.0 *	* 5308.5 *	* 55.2 *	* -200.7 *	* 208.2 *
* 5330.0 *	* 6.0 *	* 271.0 *	* 5318.5 *	* 55.2 *	* -201.8 *	* 209.2 *
* 5340.0 *	* 6.0 *	* 268.0 *	* 5328.4 *	* 55.2 *	* -202.8 *	* 210.2 *
* 5350.0 *	* 6.0 *	* 269.0 *	* 5338.4 *	* 55.2 *	* -203.8 *	* 211.2 *
* 5360.0 *	* 6.0 *	* 267.0 *	* 5348.3 *	* 55.1 *	* -204.9 *	* 212.2 *
* 5370.0 *	* 6.0 *	* 267.0 *	* 5358.2 *	* 55.0 *	* -205.9 *	* 213.2 *
* 5380.0 *	* 6.0 *	* 269.0 *	* 5368.2 *	* 55.0 *	* -207.0 *	* 214.2 *
* 5390.0 *	* 6.0 *	* 265.0 *	* 5378.1 *	* 54.9 *	* -208.0 *	* 215.1 *
* 5400.0 *	* 5.9 *	* 267.0 *	* 5388.1 *	* 54.9 *	* -209.0 *	* 216.1 *
* 5410.0 *	* 6.0 *	* 266.0 *	* 5398.0 *	* 54.8 *	* -210.1 *	* 217.1 *
* 5420.0 *	* 6.0 *	* 265.0 *	* 5408.0 *	* 54.7 *	* -211.1 *	* 218.1 *
* 5430.0 *	* 6.0 *	* 267.0 *	* 5417.9 *	* 54.7 *	* -212.2 *	* 219.1 *
* 5440.0 *	* 6.0 *	* 265.0 *	* 5427.9 *	* 54.6 *	* -213.2 *	* 220.1 *
* 5450.0 *	* 6.0 *	* 265.0 *	* 5437.8 *	* 54.5 *	* -214.3 *	* 221.1 *
* 5460.0 *	* 6.0 *	* 356.6 *	* 5447.8 *	* 54.4 *	* -215.3 *	* 222.1 *
* 5470.0 *	* 6.0 *	* 354.9 *	* 5457.7 *	* 54.3 *	* -216.3 *	* 223.1 *
* 5480.0 *	* 6.0 *	* 353.3 *	* 5467.6 *	* 54.2 *	* -217.4 *	* 224.0 *
* 5490.0 *	* 6.0 *	* 351.6 *	* 5477.6 *	* 54.1 *	* -218.4 *	* 225.0 *
* 5500.0 *	* 6.0 *	* 349.9 *	* 5487.5 *	* 54.0 *	* -219.5 *	* 226.0 *
* 5510.0 *	* 6.0 *	* 348.2 *	* 5497.5 *	* 53.9 *	* -220.5 *	* 227.0 *
* 5520.0 *	* 6.0 *	* 346.5 *	* 5507.4 *	* 53.9 *	* -221.5 *	* 228.0 *
* 5530.0 *	* 6.0 *	* 344.8 *	* 5517.4 *	* 53.8 *	* -222.6 *	* 229.0 *
* 5540.0 *	* 6.0 *	* 343.2 *	* 5527.3 *	* 53.7 *	* -223.6 *	* 230.0 *
* 5550.0 *	* 6.0 *	* 341.5 *	* 5537.3 *	* 53.6 *	* -224.7 *	* 231.0 *
* 5560.0 *	* 6.0 *	* 339.8 *	* 5547.2 *	* 53.5 *	* -225.7 *	* 232.0 *
* 5570.0 *	* 6.0 *	* 338.1 *	* 5557.2 *	* 53.4 *	* -226.8 *	* 233.0 *
* 5580.0 *	* 6.0 *	* 336.4 *	* 5567.1 *	* 53.3 *	* -227.8 *	* 233.9 *
* 5590.0 *	* 6.0 *	* 334.7 *	* 5577.0 *	* 53.2 *	* -228.8 *	* 234.9 *
* 5600.0 *	* 6.0 *	* 333.0 *	* 5587.0 *	* 53.1 *	* -229.9 *	* 235.9 *
* 5610.0 *	* 6.0 *	* 331.4 *	* 5596.9 *	* 53.0 *	* -230.9 *	* 236.9 *
* 5620.0 *	* 6.0 *	* 329.7 *	* 5606.9 *	* 52.9 *	* -232.0 *	* 237.9 *
* 5630.0 *	* 6.0 *	* 328.0 *	* 5616.8 *	* 52.9 *	* -233.0 *	* 238.9 *
* 5640.0 *	* 6.0 *	* 326.3 *	* 5626.8 *	* 52.8 *	* -234.0 *	* 239.9 *
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			* TRUE		* CO-ORDINATES		
DEPTH	DEVIATION	AZIMUTH	VERTICAL			COURSE	
FEET	DEGREES	DEGREES	DEPTH		+ NORTH	+ EAST	LENGTH
			FEET		- SOUTH	- WEST	FEET
*****							
5650.0	6.0	324.6	5636.7	52.7	-235.1	240.9	
5660.0	6.0	322.9	5646.7	52.6	-236.1	241.9	
5670.0	6.0	321.3	5656.6	52.5	-237.2	242.9	
5680.0	6.0	319.6	5666.6	52.4	-238.2	243.9	
5690.0	6.0	317.9	5676.5	52.3	-239.2	244.9	
5700.0	6.0	316.2	5686.4	52.2	-240.3	245.9	
5710.0	6.0	314.5	5696.4	52.1	-241.3	246.9	
5720.0	6.0	312.8	5706.3	52.0	-242.4	247.9	
5730.0	6.0	311.2	5716.3	51.9	-243.4	248.9	
5740.0	6.0	309.5	5726.2	51.9	-244.5	249.9	
5750.0	6.0	307.8	5736.2	51.8	-245.5	250.9	
5760.0	6.0	306.1	5746.1	51.7	-246.5	251.9	
5770.0	6.0	304.4	5756.1	51.6	-247.6	252.9	
5780.0	6.0	302.7	5766.0	51.5	-248.6	253.9	
5790.0	6.0	301.0	5776.0	51.4	-249.7	254.9	
5800.0	6.0	299.4	5785.9	51.3	-250.7	255.9	
5810.0	6.0	297.7	5795.8	51.2	-251.7	256.9	
5820.0	6.0	296.0	5805.8	51.1	-252.8	257.9	
5830.0	6.0	294.3	5815.7	51.0	-253.8	258.9	
5840.0	6.0	292.6	5825.7	50.9	-254.9	259.9	
5850.0	6.0	290.9	5835.6	50.9	-255.9	260.9	
5860.0	6.0	289.3	5845.6	50.8	-256.9	261.9	
5870.0	6.0	287.6	5855.5	50.7	-258.0	262.9	
5880.0	6.0	285.9	5865.5	50.6	-259.0	263.9	
5890.0	6.0	284.2	5875.4	50.5	-260.1	264.9	
5900.0	6.0	282.5	5885.3	50.4	-261.1	265.9	
5910.0	6.0	280.8	5895.3	50.3	-262.2	266.9	
5920.0	6.0	279.1	5905.2	50.2	-263.2	267.9	
5930.0	6.0	277.5	5915.2	50.1	-264.2	269.0	
5940.0	6.0	275.8	5925.1	50.0	-265.3	270.0	
5950.0	6.0	274.1	5935.1	49.9	-266.3	271.0	
5960.0	6.0	272.4	5945.0	49.9	-267.4	272.0	
5970.0	6.0	270.7	5955.0	49.8	-268.4	273.0	
5980.0	6.0	269.0	5964.9	49.7	-269.4	274.0	
5990.0	6.0	267.4	5974.9	49.6	-270.5	275.0	
6000.0	6.0	265.7	5984.8	49.5	-271.5	276.0	
6004.0	6.0	265.0	5988.8	49.4	-271.9	276.4	

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BOTTOM HOLE LOCATION

COURSE LENGTH: 276.4 FEET

COURSE AZIMUTH: 280.3 DEGREES

MEASURED DEPTH: 6004.0 FEET

TRUE VERTICAL DEPTH: 5988.6 FEET

DISTANCE NORTH: 49.4 FEET

DISTANCE WEST: 271.9 FEET

TANGENTIAL METHOD

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*****									
#	FORMATION			BOREHOLE			# QUAL.		
#	-----# INDEX								
#	DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	#	BEST
#			AZI.		AZI.	1-3	2-4	#	#4
*****									
#	3470.0	9.4	337	6.2	305	9.8	10.1	4	
#	3472.0	11.7	314	6.2	306	9.8	10.0	4	
#	3474.0			6.2	304	9.8	10.0		
#	3476.0			6.2	302	9.8	10.1		
#	3478.0			6.2	302	9.9	10.1		
#	3480.0			6.2	303	10.4	10.2		
#	3482.0			6.2	304	10.9	10.9		
#	3484.0			6.2	302	10.7	11.3		
#	3486.0			6.2	300	11.0	11.2		
#	3488.0			6.2	301	12.3	11.4		
#	3490.0	39.1	300	6.2	301	12.6	11.9	1	
#	3492.0			6.3	300	10.9	11.4		
#	3494.0	18.4	307	6.3	303	10.2	10.6	1	
#	3496.0	18.5	308	6.3	301	10.1	10.5	3	
#	3498.0			6.3	301	9.9	10.3		
#	3500.0			6.3	301	9.7	10.2		
#	3502.0	20.4	313	6.3	300	9.6	10.2	1	
#	3504.0	26.2	312	6.3	301	9.6	10.2	3	
#	3506.0	20.0	330	6.3	302	9.6	10.1	4	
#	3508.0	18.8	310	6.3	301	9.6	10.1	4	
#	3510.0	17.9	313	6.3	299	9.6	10.0	4	
#	3512.0	19.5	306	6.3	299	9.9	10.0	4	
#	3514.0	20.5	310	6.3	299	9.9	10.2	4	
#	3516.0	23.9	306	6.3	299	9.6	10.4	4	
#	3518.0	21.7	311	6.3	299	9.6	10.6	2	
#	3520.0	31.3	284	6.4	298	9.7	10.6	2	
#	3522.0	19.4	308	6.4	298	9.8	10.5	4	
#	3524.0	18.8	305	6.4	297	9.8	10.3	4	
#	3526.0	17.4	304	6.4	299	9.9	10.3	4	
#	3528.0	17.8	303	6.4	300	9.9	10.5	4	
#	3530.0	16.0	298	6.4	299	9.7	10.5	4	
#	3532.0	16.3	302	6.4	299	9.7	10.4	4	
#	3534.0			6.4	299	9.7	10.3		
#	3536.0			6.4	300	9.7	10.2		
#	3538.0			6.4	301	9.8	10.3		
#	3540.0			6.4	300	9.6	10.3		
#	3542.0			6.4	299	9.6	10.1		
#	3544.0			6.4	301	9.6	9.9		
#	3546.0	42.6	72	6.4	300	9.6	9.9	3	
#	3548.0	16.0	66	6.5	299	9.6	10.0	1	
#	3550.0			6.5	300	9.6	10.2		
#	3552.0			6.5	301	9.5	10.2		
#	3554.0	31.9	291	6.5	300	9.7	10.2	1	
#	3556.0			6.5	298	9.7	10.3		
#	3558.0			6.5	297	9.7	10.4		
*****									



FORMATION		BOREHOLE		QUAL.		INDEX	
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST
	AZI.		AZI.	1-3	2-4		=4
356000	17.5	314	6.5	296	9.7	10.4	3
356200	15.5	311	6.5	298	9.7	10.4	3
356400	14.5	300	6.5	297	10.0	10.4	3
356600	13.8	295	6.5	296	10.2	10.2	1
356800			6.5	296	9.9	10.1	
357000			6.5	296	9.6	10.1	
357200			6.5	296	9.6	10.0	
357400	17.8	330	6.5	296	9.7	9.3	2
357600	15.8	319	6.5	297	9.9	9.8	4
357800	15.5	315	6.5	295	9.8	9.9	4
358000	15.2	310	6.5	295	9.8	10.0	4
358200	14.9	322	6.5	296	10.0	10.1	4
358400			6.5	297	10.0	10.1	
358600	16.4	328	6.5	297	9.8	10.0	4
358800	23.0	328	6.5	296	9.7	9.8	4
359000	14.1	317	6.5	296	9.8	9.9	2
359200	9.0	328	6.5	296	9.9	9.9	4
359400	12.9	328	6.5	296	10.0	10.0	4
359600			6.5	296	9.8	9.9	
359800	20.3	349	6.5	295	9.9	9.8	2
360000	21.2	15	6.5	294	9.9	9.8	4
360200			6.5	294	9.9	9.7	
360400	18.1	333	6.5	293	9.8	9.7	4
360600	18.0	333	6.5	293	9.9	9.7	4
360800	12.5	327	6.5	295	10.0	9.8	4
361000	14.3	318	6.5	296	10.0	9.7	4
361200	37.4	322	6.5	296	9.9	9.8	1
361400	30.4	333	6.5	296	9.9	9.7	3
361600	28.7	327	6.5	296	10.0	9.8	1
361800			6.5	294	10.0	9.8	
362000			6.5	295	10.5	10.0	
362200	29.1	333	6.5	295	10.5	10.0	1
362400	33.2	314	6.5	296	9.9	9.8	1
362600			6.6	296	9.8	9.7	
362800			6.6	295	9.7	9.6	
363000			6.6	295	9.8	9.6	
363200	26.1	311	6.6	295	10.0	9.9	3
363400	17.4	323	6.6	296	9.9	9.9	3
363600	15.7	327	6.6	297	9.6	9.6	3
363800	21.5	311	6.6	296	9.5	9.5	3
364000	22.5	306	6.6	293	9.4	9.5	3
364200	16.3	328	6.6	293	9.5	9.5	1
364400	9.7	312	6.6	293	9.6	9.5	1
364600			6.6	293	9.5	9.5	
364800			6.6	293	9.4	9.5	

*****									
#	FORMATION	#	DEPTH	DEV.	DIAM	DIAM	INDEX	QUAL.	#
-----									
#	DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST	#
#	#	AZI.	#	AZI.	1-3	2-4	#	#	#
*****									
#	365000	17.6	327	6.6	294	9.4	9.5	1	#
#	365200	15.5	324	6.6	294	9.5	9.4	3	#
#	365400	15.4	331	6.6	294	9.6	9.4	1	#
#	365600	17.1	6	6.6	294	9.7	9.4	1	#
#	365800	26.6	300	6.6	293	9.5	9.4	1	#
#	366000			6.6	294	9.4	9.3		#
#	366200			6.6	295	9.5	9.3		#
#	366400	18.6	331	6.6	296	9.7	9.3	3	#
#	366600			6.6	295	9.7	9.6		#
#	366800			6.6	293	9.6	9.7		#
#	367000			6.6	292	9.6	9.5		#
#	367200	57.4	56	6.6	293	9.6	9.4	1	#
#	367400			6.6	295	9.6	9.5		#
#	367600			6.6	295	9.6	9.5		#
#	367800	68.3	59	6.6	296	9.6	9.6	1	#
#	368000	63.0	69	6.6	293	9.7	9.7	1	#
#	368200			6.6	292	9.8	9.8		#
#	368400			6.6	293	9.9	9.8		#
#	368600			6.6	293	9.9	9.8		#
#	368800			6.6	293	10.0	9.9		#
#	369000			6.6	293	9.9	9.9		#
#	369200			6.6	293	9.9	10.0		#
#	369400	29.7	314	6.6	291	10.0	10.1	3	#
#	369600	29.3	311	6.6	293	10.0	10.0	3	#
#	369800			6.6	294	10.0	10.0		#
#	370000			6.6	294	10.0	10.0		#
#	370200	35.3	310	6.6	293	9.9	9.9	1	#
#	370400	36.2	310	6.6	293	9.9	9.9	3	#
#	370600			6.6	292	10.0	10.0		#
#	370800			6.6	291	10.0	9.8		#
#	371000			6.6	291	9.8	9.6		#
#	371200	26.7	198	6.6	291	9.8	9.6	3	#
#	371400	25.2	290	6.6	292	9.8	9.7	1	#
#	371600	14.4	216	6.6	291	10.0	9.7	1	#
#	371800			6.6	292	10.2	9.7		#
#	372000	22.2	309	6.6	289	10.2	9.8	3	#
#	372200			6.6	286	10.2	10.0		#
#	372400	7.3	114	6.6	303	9.4	9.2	3	#
#	372600	28.9	307	6.6	305	9.4	9.0	3	#
#	372800	27.3	315	6.6	291	10.3	9.6	3	#
#	373000			6.6	291	10.3	9.6		#
#	373200			6.6	292	10.1	9.6		#
#	373400			6.6	291	10.1	9.6		#
#	373600	25.0	321	6.6	291	10.2	9.6	1	#
#	373800	24.9	323	6.6	292	10.4	9.5	1	#
*****									



FORMATION		BOREHOLE		QUAL.		INDEX	
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST
		AZI.	AZI.		1-3	2-4	#4
374000			656	291	1004	905	
374200	27.7	314	656	291	1004	905	3
374400	26.2	312	656	290	1005	905	3
374600			656	290	1003	905	
374800			656	289	1001	905	
375000			656	290	1002	905	
375200	47.9	142	656	290	1002	905	1
375400	40.7	145	656	290	1000	905	3
375600	47.9	139	656	289	909	905	1
375800	33.1	319	657	290	1001	905	3
376000	31.0	318	657	291	1002	905	3
376200	32.8	313	657	290	1004	905	3
376400	30.6	326	657	290	1005	905	1
376600	30.1	333	657	291	1002	905	1
376800	27.0	338	657	291	1001	905	1
377000	30.2	320	657	290	1002	905	3
377200	25.0	321	657	289	1003	905	3
377400	27.5	317	657	292	1003	906	3
377600	37.4	308	657	292	1004	906	1
377800	27.3	305	657	291	1004	906	1
378000			657	291	1002	906	
378200			657	291	1003	907	
378400			657	292	1004	909	
378600	24.4	311	657	293	1006	1000	1
378800	37.5	318	657	292	1006	909	1
379000	23.5	319	657	290	1005	905	1
379200	18.8	304	657	290	1003	908	1
379400	19.7	298	657	291	1003	908	3
379600	18.6	309	657	292	1003	907	1
379800			657	291	1001	907	
380000			657	290	1001	906	
380200			657	290	1001	906	
380400	20.9	312	657	291	1002	906	3
380600	26.1	320	657	292	1002	906	1
380800	23.1	322	657	292	1004	906	3
381000	24.7	322	657	293	1006	906	1
381200	26.9	326	657	292	1002	906	3
381400	27.3	328	657	292	1000	906	3
381600			657	292	1001	906	
381800			657	293	1000	906	
382000			657	292	1001	905	
382200			657	293	1001	908	
382400	37.9	327	657	293	1000	905	1
382600			657	293	909	904	
382800			657	293	908	904	





FORMATION		BOREHOLE		QUAL.			
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	INDEX
		AZI.		AZI.	1-3	2-4	=4
392000	23.8	318	6.7	297	9.5	9.4	3
392200	7.3	41	6.7	298	9.6	9.4	1
392400			6.7	299	9.6	9.5	
392600	34.8	317	6.7	300	9.7	9.5	1
392800	29.1	324	6.7	299	9.7	9.5	1
393000			6.7	298	9.7	9.5	
393200			6.7	298	9.8	9.5	
393400			6.7	299	9.9	9.6	
393600	69.1	324	6.7	299	10.1	9.7	1
393800			6.7	297	10.1	9.8	
394000			6.7	298	10.0	10.0	
394200	61.1	222	6.7	298	10.2	10.0	1
394400	46.6	276	6.7	298	10.4	10.0	1
394600	46.3	287	6.7	298	10.4	10.0	1
394800			6.7	298	10.5	10.1	
395000	44.6	286	6.7	298	10.4	10.1	1
395200			6.7	298	10.3	10.1	
395400			6.7	298	10.3	10.0	
395600			6.7	297	10.2	10.0	
395800			6.7	295	10.4	10.0	
396000			6.7	295	10.4	10.0	
396200			6.7	295	10.2	10.0	
396400			6.7	296	10.5	9.8	
396600			6.7	296	10.6	9.7	
396800			6.7	294	10.2	9.6	
397000			6.7	294	10.2	9.6	
397200			6.7	295	10.4	9.9	
397400			6.7	296	10.5	9.6	
397600			6.7	295	10.2	9.5	
397800			6.7	294	10.2	9.5	
398000			6.7	294	10.1	9.5	
398200			6.7	295	9.9	9.5	
398400			6.7	295	9.8	9.5	
398600			6.7	295	9.8	9.6	
398800			6.7	294	9.9	9.6	
399000			6.7	294	10.0	9.6	
399200	13.8	336	6.7	294	9.9	9.7	1
399400	9.7	322	6.7	293	9.8	9.7	1
399600			6.7	294	9.9	9.7	
399800	44.4	315	6.7	294	10.0	9.8	3
400000	45.3	316	6.7	293	10.1	9.9	1
400200	13.2	4	6.7	293	10.1	9.9	3
400400	13.8	8	6.7	293	10.1	9.9	3
400600			6.7	293	10.0	9.9	
400800			6.7	293	10.0	9.9	

FORMATION			BOREHOLE				QUAL.	
DEPTH	DIP	DIP AZI.	DEV.	DEV. AZI.	DIAM 1-3	DIAM 2-4	BEST	INDEX
401000	13.1	343	6.7	294	10.2	9.9	1	
401200	15.4	181	6.7	292	10.0	9.9	3	
401400	10.5	189	6.7	294	9.8	9.9	1	
401600			6.7	294	9.9	9.9		
401800			6.7	292	10.0	9.9		
402000	19.5	325	6.7	292	10.0	9.9	1	
402200	11.8	324	6.7	292	9.9	9.9	3	
402400	21.1	163	6.7	293	9.8	9.9	1	
402600			6.7	293	9.9	9.9		
402800			6.7	293	9.9	9.9		
403000	16.3	318	6.7	294	9.9	9.9	1	
403200			6.7	295	10.0	9.9		
403400	23.0	314	6.7	295	9.9	9.9	1	
403600			6.7	294	9.9	9.9		
403800			6.7	293	10.0	10.0		
404000			6.7	294	10.0	10.0		
404200	34.0	344	6.7	295	10.0	10.1	1	
404400	39.3	349	6.7	294	10.0	10.1	1	
404600			6.7	293	9.9	10.1		
404800	37.7	1	6.7	294	10.0	10.1	3	
405000	15.3	338	6.7	294	10.0	10.2	1	
405200			6.7	292	10.0	10.4		
405400			6.7	293	10.2	10.4		
405600			6.7	294	10.3	10.4		
405800	50.4	299	6.7	293	10.2	10.5	1	
406000			6.6	292	10.0	10.5		
406200			6.6	295	10.0	10.6		
406400	40.5	295	6.6	296	10.0	10.6	1	
406600			6.6	292	9.9	10.6		
406800			6.6	293	10.1	10.5		
407000			6.6	296	10.0	10.4		
407200			6.6	294	10.2	10.3		
407400			6.6	294	10.3	10.2		
407600			6.6	296	10.2	10.0		
407800			6.5	295	10.4	9.8		
408000			6.5	291	10.4	9.7		
408200			6.5	292	10.2	9.7		
408400			6.5	295	10.2	9.7		
408600			6.5	293	10.5	9.6		
408800			6.5	292	10.4	9.6		
409000			6.5	295	10.2	9.8		
409200	56.4	337	6.5	294	10.1	9.9	1	
409400			6.5	292	10.1	9.9		
409600			6.4	295	10.0	10.0		
409800			6.4	296	10.0	10.1		



FORMATION		BOREHOLE		QUAL.			
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	INDEX
	AZI.	AZI.			1-3	2-4	#4
4100.0			6.4	293	10.1	10.2	
4102.0			6.4	293	10.1	10.4	
4104.0			6.4	294	10.2	10.4	
4106.0			6.4	293	10.1	10.3	
4108.0			6.4	292	9.9	10.3	
4110.0	56.1	341	6.4	294	10.2	10.2	1
4112.0			6.4	294	10.1	10.1	
4114.0	18.2	198	6.3	292	9.9	10.2	1
4116.0	60.0	175	6.3	292	10.0	10.1	3
4118.0	59.6	175	6.3	294	10.2	10.0	1
4120.0			6.3	294	10.2	9.9	
4122.0			6.3	294	10.0	9.9	
4124.0			6.3	294	10.0	9.9	
4126.0	18.8	176	6.3	294	10.1	9.9	1
4128.0			6.3	294	10.0	9.8	
4130.0			6.3	295	10.0	9.8	
4132.0			6.3	295	10.0	9.7	
4134.0			6.3	292	10.0	9.7	
4136.0			6.3	291	10.1	9.9	
4138.0	15.9	347	6.3	293	10.1	9.9	1
4140.0			6.3	292	10.1	9.8	
4142.0			6.3	290	10.1	9.7	
4144.0	18.1	335	6.3	292	10.0	9.7	1
4146.0	18.0	334	6.3	291	9.9	9.6	3
4148.0	18.2	337	6.3	290	9.8	9.6	1
4150.0	27.4	329	6.3	292	9.8	9.6	1
4152.0	30.3	335	6.2	293	9.7	9.5	3
4154.0	34.3	334	6.2	291	9.7	9.5	1
4156.0	32.8	339	6.2	291	9.7	9.5	3
4158.0	31.6	339	6.2	292	9.7	9.5	1
4160.0	32.7	326	6.2	291	9.8	9.5	3
4162.0	28.2	342	6.2	291	10.0	9.6	1
4164.0	36.0	330	6.2	293	10.1	9.7	1
4166.0			6.2	292	10.3	9.8	
4168.0			6.2	290	10.2	9.9	
4170.0	28.6	344	6.2	291	10.2	9.9	1
4172.0	28.6	321	6.2	293	10.2	10.1	1
4174.0	32.7	319	6.2	290	10.3	10.3	1
4176.0	27.6	324	6.2	290	10.4	10.4	1
4178.0			6.2	291	10.5	10.5	
4180.0	32.2	318	6.2	291	11.0	10.7	1
4182.0	20.1	303	6.2	289	10.9	10.6	1
4184.0			6.2	290	10.6	10.6	
4186.0			6.2	290	10.6	10.5	
4188.0			6.2	291	10.7	10.5	

#	FORMATION			BOREHOLE			#	QUAL.	#
	DEPTH	DIP	DIP	DEV.	DEV.	DIAN			
		AZI.		AZI.		1-3	2-4	BEST	INDEX
								#	#
#	4190.0			6.2	292	10.6	10.5		
#	4192.0			6.2	291	10.6	10.5		
#	4194.0			6.2	288	10.9	10.5		
#	4196.0			6.2	287	11.7	10.4		
#	4198.0			6.2	287	12.2	10.4		
#	4200.0			6.2	288	11.4	10.3		
#	4202.0			6.2	289	10.9	10.2		
#	4204.0			6.2	289	10.5	10.1		
#	4206.0			6.2	289	10.0	9.8		
#	4208.0			6.2	289	9.9	9.7		
#	4210.0			6.2	290	9.8	9.6		
#	4212.0			6.1	289	9.8	9.6		
#	4214.0	30.3	318	6.1	288	9.9	9.7	1	
#	4216.0	13.4	323	6.1	288	10.0	9.6	1	
#	4218.0	20.3	318	6.1	289	9.9	9.8	1	
#	4220.0	20.5	318	6.1	289	9.8	9.7	1	
#	4222.0			6.1	291	9.8	9.6		
#	4224.0			6.1	290	9.8	9.6		
#	4226.0			6.1	289	9.8	9.6		
#	4228.0			6.1	289	9.9	9.6		
#	4230.0	20.9	303	6.1	289	10.1	9.6	1	
#	4232.0			6.1	289	10.0	9.6		
#	4234.0	47.1	56	6.1	290	9.9	9.6	1	
#	4236.0			6.1	290	9.6	9.7		
#	4238.0			6.1	289	9.8	9.7		
#	4240.0			6.1	290	9.8	9.7		
#	4242.0	43.5	57	6.1	291	9.7	9.7	1	
#	4244.0	43.6	57	6.1	290	9.7	9.6	1	
#	4246.0	24.3	340	6.1	290	9.7	9.6	1	
#	4248.0	30.8	30	6.1	291	9.7	9.6	1	
#	4250.0			6.1	290	9.8	9.6		
#	4252.0			6.1	290	9.7	9.6		
#	4254.0	23.3	341	6.1	291	9.7	9.6	3	
#	4256.0	23.3	341	6.1	291	9.7	9.6	3	
#	4258.0	20.6	344	6.1	290	9.8	9.6	1	
#	4260.0			6.1	291	9.8	9.6		
#	4262.0			6.1	292	9.9	9.6		
#	4264.0			6.1	290	9.9	9.6		
#	4266.0	21.6	346	6.1	292	9.8	9.5	1	
#	4268.0	24.8	314	6.1	292	9.7	9.5	1	
#	4270.0	25.1	311	6.1	291	9.6	9.5	1	
#	4272.0	21.5	354	6.0	292	9.6	9.4	4	
#	4274.0	21.9	355	6.0	292	9.6	9.5	4	
#	4276.0	9.9	5	6.0	289	9.7	9.5	2	
#	4278.0	12.5	3	6.0	289	9.8	9.5	2	



#	FORMATION	#	BOREHOLE	#	QUAL.		
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	INDEX
#	#	AZI.	#	AZI.	1-3	2-4	#
#	#	#	#	#	#	#	#
428000	24.6	21	600	291	908	905	2
428200	35.4	344	600	289	900	905	2
428400			600	287	1001	906	
428600	23.7	350	600	290	1002	906	4
428800	26.3	351	600	292	1000	905	4
429000	31.1	350	600	290	908	906	2
429200	17.0	350	600	290	906	903	4
429400	17.4	353	600	290	905	902	4
429600	20.3	354	600	288	905	903	4
429800	20.7	357	600	290	904	903	4
430000			600	291	904	903	
430200	30.0	88	601	288	904	902	3
430400	30.0	88	601	287	904	902	3
430600			601	289	904	902	
430800			600	290	905	902	
431000			600	289	905	902	
431200			600	289	904	902	
431400			600	288	904	902	
431600			600	288	904	902	
431800			600	289	904	902	
432000			601	289	904	902	
432200	20.8	342	601	286	904	903	3
432400	25.4	338	601	285	905	903	3
432600	26.1	337	600	286	905	903	3
432800	18.1	336	600	286	905	902	1
433000			600	285	905	902	
433200			600	285	904	902	
433400			600	284	904	902	
433600	34.0	319	600	283	904	902	1
433800	33.7	321	600	285	905	902	1
434000	27.1	317	600	285	906	902	1
434200			600	285	904	902	
434400	15.5	322	600	285	904	902	1
434600	23.3	340	600	282	904	902	1
434800	18.9	348	600	283	904	902	3
435000	19.8	348	600	286	905	903	1
435200	23.6	345	600	284	905	903	1
435400	24.9	345	600	283	905	903	1
435600			600	283	905	904	
435800			600	282	905	904	
436000			600	282	905	904	
436200	45.3	313	600	284	906	904	1
436400	46.1	305	600	284	906	904	1
436600	24.7	293	600	283	906	904	1
436800	43.5	286	600	283	907	904	1

FORMATION		BOREHOLE		QUAL.		INDEX	
DEPTH	DIP	DIP AZI.	DEV.	DEV. AZI.	DIAM 1-3	DIAM 2-4	TEST #4
4370.0	47.4	285	6.0	283	9.8	9.4	1
4372.0	36.7	292	6.0	281	9.7	9.4	3
4374.0	42.6	290	6.0	283	9.8	9.4	1
4376.0			6.0	284	9.8	9.4	
4378.0			5.9	283	9.8	9.4	
4380.0			5.9	284	9.8	9.4	
4382.0			6.0	285	9.8	9.4	
4384.0	50.3	330	6.0	285	9.8	9.3	1
4386.0	37.1	267	6.0	285	9.7	9.3	3
4388.0	50.4	332	6.0	285	9.7	9.2	1
4390.0			6.0	284	9.7	9.2	
4392.0			6.0	284	9.7	9.3	
4394.0			6.0	286	9.7	9.3	
4396.0	68.6	15	6.0	285	9.8	9.3	1
4398.0			6.0	284	9.8	9.4	
4400.0			6.0	284	9.8	9.4	
4402.0			6.0	283	9.9	9.4	
4404.0			6.0	284	9.9	9.3	
4406.0			6.0	285	10.0	9.3	
4408.0			6.0	284	10.0	9.4	
4410.0			6.0	282	10.1	9.3	
4412.0			6.0	283	10.1	9.4	
4414.0			6.0	282	10.1	9.3	
4416.0			6.0	282	10.0	9.3	
4418.0	24.2	345	6.0	283	9.9	9.3	3
4420.0	21.5	342	6.0	283	9.8	9.3	1
4422.0			6.0	282	9.7	9.3	
4424.0			6.0	282	9.8	9.3	
4426.0			6.0	282	9.7	9.3	
4428.0			6.0	282	9.7	9.3	
4430.0			6.0	282	9.7	9.4	
4432.0			6.0	283	9.7	9.4	
4434.0			6.0	282	9.8	9.4	
4436.0			6.0	282	9.8	9.4	
4438.0			6.0	282	9.8	9.4	
4440.0			6.0	281	9.8	9.4	
4442.0			6.0	281	9.8	9.5	
4444.0	46.6	345	6.0	283	9.8	9.5	1
4446.0	45.5	344	6.0	283	9.8	9.5	1
4448.0			6.0	281	9.8	9.5	
4450.0			6.0	281	9.8	9.5	
4452.0			6.0	281	9.8	9.5	
4454.0			6.0	281	9.9	9.5	
4456.0			6.0	282	9.9	9.5	
4458.0			6.0	282	9.8	9.5	



#	FORMATION	#	BOREHOLE	#	QUAL.		
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	INDEX
		AZI.		AZI.	1-3	2-4	BEST
							#4
446000			600	281	909	905	
446200			600	281	908	905	
446400	57.7	231	600	282	909	905	1
446600	47.2	243	600	276	907	906	1
446800			600	276	907	906	
447000			600	278	908	907	
447200	54.6	242	600	279	908	907	1
447400	51.6	235	600	278	908	907	1
447600			600	278	909	907	
447800			600	278	909	906	
448000			600	278	908	908	
448200	67.5	307	600	278	908	907	1
448400			600	279	908	907	
448600			600	278	908	907	
448800			600	278	907	906	
449000			600	278	907	906	
449200	45.8	343	600	278	907	905	1
449400	43.9	112	600	278	907	905	1
449600	44.5	112	600	278	907	905	1
449800			600	277	907	905	
450000			600	277	907	905	
450200			600	279	907	905	
450400	64.8	255	600	278	908	905	1
450600	64.9	254	600	276	907	905	1
450800			600	278	908	905	
451000			600	280	908	906	
451200	6.7	39	600	278	908	906	1
451400	7.5	45	600	277	909	906	1
451600	18.3	357	600	278	908	906	1
451800	20.1	11	600	278	908	906	3
452000	20.0	11	600	278	908	906	3
452200	31.8	264	600	278	908	906	1
452400	31.7	265	600	279	908	906	1
452600	25.5	1	600	278	908	906	3
452800	27.6	358	600	278	908	906	1
453000	44.0	321	600	278	908	906	1
453200			600	280	908	906	
453400	22.4	15	600	281	908	906	1
453600	30.5	322	600	281	908	906	1
453800	30.5	321	600	280	908	906	1
454000			600	280	908	906	
454200			600	280	908	906	
454400	43.5	353	600	279	908	906	1
454600			600	279	908	906	
454800			600	280	908	906	

*****									
FORMATION					BOREHOLE			QUAL.	
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DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST	INDEX	
		AZI.		AZI.	1-3	2-4	#4		
*****									
4550.0	24.1	5	6.0	279	9.8	9.6	1		
4552.0	29.5	2	6.0	279	9.8	9.6	3		
4554.0	24.5	344	6.0	281	9.8	9.6	1		
4556.0	24.6	342	6.0	281	9.8	9.5	1		
4558.0	26.4	6	6.0	280	9.7	9.5	1		
4560.0	25.4	359	6.0	280	9.7	9.5	3		
4562.0	31.5	356	6.0	280	9.7	9.5	4		
4564.0	31.9	354	6.0	280	9.7	9.5	4		
4566.0	35.7	354	6.0	279	9.7	9.5	4		
4568.0	31.9	355	6.0	281	9.7	9.4	4		
4570.0	30.3	360	6.0	281	9.7	9.4	4		
4572.0	39.4	359	6.0	281	9.7	9.4	1		
4574.0	38.5	358	6.0	281	9.7	9.4	3		
4576.0	38.7	360	6.0	281	9.7	9.4	3		
4578.0			6.0	280	9.7	9.4			
4580.0			6.0	279	9.7	9.4			
4582.0	46.2	10	6.0	278	9.7	9.5	1		
4584.0			6.0	278	9.6	9.5			
4586.0			6.0	279	9.6	9.5			
4588.0	39.9	273	6.0	280	9.7	9.5	1		
4590.0	10.8	290	6.0	278	9.7	9.5	1		
4592.0	16.7	294	6.0	279	9.6	9.5	3		
4594.0	4.0	224	6.0	280	9.6	9.5	1		
4596.0	36.2	99	6.0	278	9.6	9.5	1		
4598.0	35.7	98	6.0	278	9.6	9.5	1		
4600.0	45.7	219	6.0	279	9.9	9.5	1		
4602.0			6.0	278	9.8	9.5			
4604.0	54.1	121	6.0	278	9.7	9.5	1		
4606.0			6.0	279	9.7	9.5			
4608.0			6.0	280	9.7	9.4			
4610.0			6.0	279	9.7	9.4			
4612.0	55.2	6	6.0	279	9.7	9.5	3		
4614.0	55.0	7	6.0	279	9.7	9.5	1		
4616.0			6.0	277	9.7	9.5			
4618.0			6.0	277	9.7	9.5			
4620.0			6.0	277	9.7	9.5			
4622.0			6.0	277	9.7	9.4			
4624.0			6.0	279	9.7	9.4			
4626.0			6.0	279	9.8	9.5			
4628.0	55.1	297	6.0	278	9.8	9.5	1		
4630.0			6.0	278	9.8	9.5			
4632.0	49.9	293	6.0	279	9.6	9.4	1		
4634.0	47.0	299	6.0	277	9.8	9.4	1		
4636.0	44.9	298	6.0	278	9.7	9.4	1		
4638.0	65.7	62	6.0	280	9.7	9.3	1		



#	FORMATION		BOREHOLE		QUAL.		INDEX	
	DEPTH	DIP	DEVI.	DIAM	DIAM	BEST		
		AZI.	DEVI.	1-3	2-4	#	#	
#	464000		600	279	907	902		
#	464200		600	279	907	902		
#	464400		600	280	906	902		
#	464600	16.8	301	600	280	907	903	1
#	464800		600	279	907	903		
#	465000		600	278	907	903		
#	465200		600	278	907	903		
#	465400	20.0	319	600	278	907	903	3
#	465600	26.7	315	600	278	907	902	1
#	465800		600	278	908	903		
#	466000		600	279	907	903		
#	466200		600	279	907	903		
#	466400	14.2	323	600	280	907	903	3
#	466600	9.6	322	600	280	907	903	3
#	466800		600	278	907	902		
#	467000		600	278	907	902		
#	467200	7.6	301	600	278	907	902	1
#	467400	7.6	299	600	278	906	902	1
#	467600		600	280	906	902		
#	467800		600	281	906	902		
#	468000		600	280	906	902		
#	468200		600	280	906	902		
#	468400		600	281	906	902		
#	468600		600	279	906	902		
#	468800		600	278	907	902		
#	469000		600	280	907	902		
#	469200		600	280	906	901		
#	469400		600	279	906	901		
#	469600		600	281	905	901		
#	469800		600	281	905	901		
#	470000		600	279	905	901		
#	470200		600	279	905	901		
#	470400		600	281	905	901		
#	470600		600	280	906	901		
#	470800		600	281	906	901		
#	471000		600	281	906	901		
#	471200		600	281	906	902		
#	471400	30.7	354	600	281	906	902	1
#	471600	30.6	353	600	280	906	902	1
#	471800	21.1	351	600	278	907	902	1
#	472000		600	279	907	902		
#	472200		600	279	906	902		
#	472400	12.0	17	600	279	906	902	1
#	472600		600	279	906	902		
#	472800		600	279	906	902		

#	FORMATION	#	CONSOLE	QUAL.	INDEX		
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST
#	#	AZI.	#	AZI.	1-3	2-4	# =4
# 473000			600	279	906	902	
# 473200			600	280	906	903	
# 473400			599	280	907	903	
# 473600			599	280	907	903	
# 473800			600	281	907	902	
# 474000			600	279	907	902	
# 474200			600	278	906	902	
# 474400			600	279	905	901	
# 474600			600	277	905	901	
# 474800			600	277	907	901	
# 475000			600	279	908	902	
# 475200			600	280	905	902	
# 475400			600	280	903	902	
# 475600			599	282	903	901	
# 475800			598	281	903	901	
# 476000			598	281	904	901	
# 476200			598	284	904	901	
# 476400			598	285	905	902	
# 476600			598	286	907	902	
# 476800			598	284	906	902	
# 477000			598	282	905	902	
# 477200			598	281	904	902	
# 477400			598	279	904	902	
# 477600			598	280	904	901	
# 477800			598	282	904	901	
# 478000	10.5	354	598	281	906	902	3
# 478200	12.5	349	598	280	906	902	3
# 478400			597	282	906	902	
# 478600	13.9	343	597	282	906	902	4
# 478800	13.5	344	597	283	906	902	4
# 479000	11.8	346	597	286	907	902	4
# 479200	9.5	346	597	281	907	903	4
# 479400	14.4	340	597	276	906	904	3
# 479600	20.4	282	597	277	907	904	1
# 479800	20.4	288	597	280	907	904	1
# 480000	19.2	348	597	278	907	904	3
# 480200	19.5	345	597	275	906	904	3
# 480400			597	275	907	904	
# 480600			597	274	907	904	
# 480800			598	274	907	904	
# 481000			598	274	906	905	
# 481200	24.7	238	598	274	906	905	1
# 481400	24.1	238	598	274	906	905	1
# 481600			598	274	904	905	
# 481800			598	274	905	905	



#	FORMATION	#	BOREHOLE	#	QUAL.		
----- INDEX -----							
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST
#		AZI.	#	AZI.	1-3	2-4	# 4
482000	32.2	93	5.9	273	9.6	9.5	1
482200	33.6	89	5.9	272	9.6	9.6	1
482400			5.8	271	9.7	9.6	
482600			5.8	271	9.7	9.6	
482800			5.9	272	9.7	9.6	
483000			5.8	272	9.6	9.5	
483200			5.8	272	9.5	9.6	
483400			5.9	272	9.6	9.5	
483600			5.9	272	9.6	9.5	
483800			5.8	272	9.6	9.5	
484000			5.8	272	9.6	9.5	
484200			5.9	273	9.6	9.5	
484400			5.8	274	9.6	9.5	
484600	24.3	355	5.8	274	9.6	9.5	3
484800			5.8	273	9.5	9.5	
485000			5.8	274	9.5	9.5	
485200			5.9	274	9.6	9.5	
485400			5.9	274	9.6	9.5	
485600	40.5	360	5.9	273	9.6	9.5	3
485800	40.2	359	5.9	274	9.5	9.5	1
486000	41.0	358	5.9	273	9.5	9.4	1
486200	39.1	356	5.9	272	9.5	9.4	3
486400	43.2	360	5.9	273	9.7	9.3	3
486600	43.5	359	5.9	273	9.7	9.3	3
486800	33.1	353	5.9	273	9.6	9.3	3
487000			5.9	273	9.6	9.4	
487200	25.0	342	5.9	275	9.7	9.5	1
487400	42.4	13	5.9	275	9.7	9.5	1
487600	46.7	342	5.9	273	9.6	9.5	1
487800			5.8	273	9.5	9.5	
488000	48.4	345	5.9	274	9.6	9.5	1
488200	35.6	338	5.9	275	9.7	9.5	1
488400			5.9	273	9.8	9.5	
488600			5.9	273	9.7	9.5	
488800	37.7	347	5.9	274	9.6	9.5	1
489000			5.9	274	9.6	9.4	
489200			5.9	273	9.6	9.4	
489400	43.4	21	5.9	274	9.6	9.4	1
489600			5.8	274	9.6	9.4	
489800			5.8	273	9.6	9.4	
490000	27.4	2	5.8	273	9.8	9.3	1
490200	39.1	360	5.8	275	9.8	9.3	3
490400			5.8	275	9.5	9.2	
490600			5.8	273	9.4	9.2	
490800			5.8	272	9.5	9.2	

FORMATION		DIP		DEV.		DIAM		QUAL.	INDEX
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST		
		AZI.		AZI.	1-3	2-4	=4		
4910.0			5.8	272	9.5	9.3			
4912.0			5.8	272	9.5	9.3			
4914.0	31.4	343	5.9	273	9.6	9.3	1		
4916.0	32.8	342	5.6	273	9.5	9.4	1		
4918.0	31.6	342	5.6	273	9.5	9.3	1		
4920.0			5.6	272	9.6	9.3			
4922.0			5.8	272	9.6	9.4			
4924.0	53.5	42	5.8	273	9.5	9.3	1		
4926.0			5.8	273	9.6	9.2			
4928.0	44.9	34	5.9	273	9.7	9.2	1		
4930.0			5.9	273	9.6	9.2			
4932.0			5.8	273	9.6	9.2			
4934.0			5.9	273	9.6	9.2			
4936.0	44.6	43	5.8	273	9.6	9.2	1		
4938.0	44.5	42	5.8	273	9.6	9.2	1		
4940.0	57.6	341	5.8	273	9.6	9.2	1		
4942.0			5.9	273	9.6	9.2			
4944.0			5.9	272	9.5	9.3			
4946.0			5.8	272	9.6	9.3			
4948.0			5.8	274	9.7	9.3			
4950.0			5.9	273	9.7	9.3			
4952.0			5.9	272	9.6	9.3			
4954.0			5.6	273	9.7	9.3			
4956.0			5.9	273	9.8	9.2			
4958.0			5.9	273	9.7	9.2			
4960.0			5.9	273	9.6	9.2			
4962.0			5.9	272	9.6	9.2			
4964.0	16.0	243	5.9	271	9.6	9.2	1		
4966.0			5.9	272	9.6	9.2			
4968.0			5.9	272	9.6	9.2			
4970.0	14.9	239	5.9	271	9.6	9.2	3		
4972.0	15.8	237	5.6	272	9.6	9.2	1		
4974.0			5.9	271	9.5	9.3			
4976.0			5.9	272	9.6	9.3			
4978.0			5.9	272	9.6	9.3			
4980.0	7.0	66	5.8	270	9.6	9.3	1		
4982.0	6.0	54	5.9	269	9.7	9.3	3		
4984.0			5.9	269	9.7	9.2			
4986.0			5.9	269	9.6	9.2			
4988.0			5.9	269	9.6	9.3			
4990.0			5.9	270	9.6	9.3			
4992.0			6.9	270	9.7	9.4			
4994.0	40.7	328	6.0	270	9.7	9.3	1		
4996.0	39.0	328	5.9	271	9.6	9.4	1		
4998.0			5.9	270	9.6	9.3			



FORMATION		BOREHOLE		QUAL.		INDEX	
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST
		AZI.		AZI.	1-3	2-4	#4
5000.0			5.9	269	9.7	9.3	
5002.0			6.0	270	9.6	9.3	
5004.0			5.9	269	9.5	9.3	
5006.0			5.9	268	9.6	9.2	
5008.0			5.9	270	9.6	9.2	
5010.0			5.9	269	9.6	9.3	
5012.0			5.9	268	9.6	9.2	
5014.0	14.7	353	5.9	269	9.6	9.2	1
5016.0	13.3	6	5.9	269	9.6	9.3	3
5018.0	15.2	7	5.9	270	9.6	9.3	3
5020.0	13.8	16	5.9	269	9.6	9.3	1
5022.0			5.9	269	9.6	9.2	
5024.0			5.9	269	9.6	9.2	
5026.0			6.0	269	9.6	9.2	
5028.0			6.0	268	9.6	9.2	
5030.0			6.0	269	9.5	9.2	
5032.0			6.0	268	9.4	9.2	
5034.0			6.0	268	9.4	9.2	
5036.0			6.0	268	9.4	9.2	
5038.0			6.0	269	9.3	9.2	
5040.0			6.0	269	9.4	9.2	
5042.0			6.0	269	9.5	9.2	
5044.0			6.0	269	9.5	9.2	
5046.0	43.7	300	6.0	270	9.5	9.3	1
5048.0			6.0	270	9.5	9.3	
5050.0	31.7	336	6.0	269	9.5	9.3	1
5052.0	30.2	335	6.0	269	9.5	9.3	1
5054.0			6.0	270	9.6	9.3	
5056.0	44.1	297	6.0	270	9.6	9.3	3
5058.0	45.5	298	6.0	271	9.7	9.2	3
5060.0			6.0	270	9.6	9.3	
5062.0	33.2	3	6.0	271	9.6	9.2	3
5064.0			6.0	272	9.8	9.2	
5066.0			6.0	271	9.8	9.3	
5068.0			6.0	270	9.7	9.3	
5070.0			6.0	271	9.6	9.4	
5072.0			6.0	271	9.6	9.3	
5074.0			6.1	271	9.6	9.3	
5076.0			6.1	271	9.5	9.3	
5078.0			6.0	271	9.5	9.3	
5080.0			6.1	271	9.6	9.4	
5082.0			6.1	271	9.7	9.4	
5084.0			6.1	270	10.0	9.5	
5086.0			6.1	270	9.8	9.4	
5088.0			6.0	272	9.7	9.3	

FORMATION		CORRECTION		QUAL.		INDEX	
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST
		AZI.		AZI.	1-3	2-4	#4
5090.0			601	273	907	902	
5092.0			601	273	905	903	
5094.0			601	275	905	903	
5096.0			600	277	905	903	
5098.0	42.5	165	600	275	906	904	1
5100.0	42.1	166	600	273	905	904	1
5102.0	46.9	168	600	272	906	904	1
5104.0			600	272	907	904	
5106.0			601	271	907	904	
5108.0			600	273	905	904	
5110.0			600	276	906	904	
5112.0			600	276	907	904	
5114.0			600	275	907	904	
5116.0			600	273	907	904	
5118.0			600	272	907	904	
5120.0			600	272	907	904	
5122.0			600	272	907	904	
5124.0			601	274	906	905	
5126.0			600	275	907	905	
5128.0	13.2	352	600	275	908	905	2
5130.0	13.1	349	600	273	908	905	2
5132.0			600	272	909	905	
5134.0	14.4	316	600	271	908	905	2
5136.0			600	271	907	905	
5138.0			600	273	907	905	
5140.0	18.9	343	600	274	907	905	4
5142.0	18.7	345	600	274	907	905	4
5144.0	16.7	351	600	274	907	904	3
5146.0	17.2	353	600	274	906	904	3
5148.0			600	273	906	905	
5150.0	20.5	349	600	272	906	905	1
5152.0	26.6	357	600	271	906	905	1
5154.0	26.3	356	601	271	906	905	1
5156.0	25.4	360	600	272	906	904	1
5158.0			600	274	906	904	
5160.0			601	275	907	904	
5162.0	18.2	350	601	274	907	905	1
5164.0			601	272	907	904	
5166.0			600	271	908	904	
5168.0			600	271	907	904	
5170.0			600	270	906	904	
5172.0			600	271	905	905	
5174.0			600	271	906	905	
5176.0			600	272	907	905	
5178.0			600	272	907	905	



FORMATION		BDRHOLE		QUAL.		INDEX	
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST
		AZI.		AZI.	1-3	2-4	#4
5180.0			6.0	272	9.7	9.5	
5182.0			6.0	271	9.8	9.5	
5184.0	24.0	350	6.0	269	9.8	9.5	1
5186.0	26.6	10	6.0	269	9.7	9.5	1
5188.0			6.0	270	9.8	9.5	
5190.0			6.0	271	9.7	9.5	
5192.0	30.0	15	6.0	273	9.7	9.5	3
5194.0	30.1	18	6.0	272	9.7	9.5	3
5196.0			6.0	271	9.7	9.5	
5198.0			6.0	271	9.6	9.5	
5200.0			6.0	270	9.6	9.5	
5202.0			6.0	269	9.7	9.5	
5204.0			6.0	269	9.6	9.5	
5206.0			6.0	269	9.7	9.5	
5208.0			6.0	272	9.6	9.5	
5210.0			6.0	273	9.6	9.5	
5212.0			6.0	272	9.6	9.5	
5214.0			6.0	271	9.7	9.5	
5216.0			6.0	269	9.8	9.5	
5218.0			6.0	269	9.6	9.4	
5220.0			6.0	270	9.6	9.5	
5222.0			6.0	271	9.7	9.5	
5224.0	22.6	66	6.0	272	9.6	9.4	1
5226.0			6.0	273	9.5	9.4	
5228.0	15.3	29	6.0	272	9.6	9.4	1
5230.0	16.5	343	6.0	271	9.6	9.4	1
5232.0			6.0	270	9.6	9.3	
5234.0	40.4	19	6.0	269	9.6	9.3	1
5236.0	40.9	18	6.0	269	9.6	9.3	1
5238.0			6.0	268	9.6	9.4	
5240.0	28.9	345	6.0	270	9.6	9.4	1
5242.0	15.3	344	6.0	271	9.6	9.4	1
5244.0	30.2	354	6.0	272	9.5	9.4	2
5246.0	8.4	10	6.0	271	9.6	9.4	4
5248.0	8.5	7	6.0	270	9.5	9.3	4
5250.0	19.9	351	6.0	270	9.5	9.2	4
5252.0	17.3	4	6.0	269	9.5	9.2	4
5254.0	15.4	17	6.0	270	9.6	9.2	1
5256.0	17.4	9	6.0	270	9.6	9.2	4
5258.0			6.0	268	9.6	9.2	
5260.0	15.0	335	6.0	268	9.5	9.2	2
5262.0			6.0	268	9.4	9.3	
5264.0			6.0	269	9.6	9.3	
5266.0			6.0	271	9.7	9.3	
5268.0			6.0	272	9.6	9.3	

FORMATION		BURENDR		QUAL.		INDEX	
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST
	AZI.	AZI.			1-3	2-4	# 24
5270.0			6.0	273	9.6	9.3	
5272.0			6.0	274	9.6	9.4	
5274.0			6.0	273	9.6	9.4	
5276.0			6.0	271	9.7	9.4	
5278.0			6.0	270	9.6	9.4	
5280.0			6.0	269	9.8	9.4	
5282.0			6.0	268	9.8	9.3	
5284.0			6.0	268	9.7	9.3	
5286.0			6.0	269	9.6	9.3	
5288.0			6.0	270	9.7	9.3	
5290.0			6.0	271	9.8	9.2	
5292.0			6.0	273	9.8	9.2	
5294.0			6.0	273	9.7	9.2	
5296.0	43.4	293	6.0	272	9.6	9.2	1
5298.0			6.0	271	9.6	9.2	
5300.0	40.1	278	6.0	269	9.6	9.2	3
5302.0	41.6	276	6.0	268	9.7	9.3	1
5304.0			6.0	269	9.8	9.4	
5306.0			6.0	270	9.7	9.4	
5308.0	24.4	54	6.0	271	9.8	9.4	1
5310.0	24.1	54	6.0	270	9.8	9.4	1
5312.0			6.0	270	9.7	9.4	
5314.0	56.6	213	6.0	269	9.7	9.4	3
5316.0	56.7	211	6.0	268	9.7	9.4	3
5318.0	57.3	220	6.0	267	9.8	9.4	1
5320.0	26.8	72	6.0	267	9.9	9.4	1
5322.0			6.0	268	9.9	9.3	
5324.0	50.9	262	6.0	269	9.9	9.3	3
5326.0	49.3	261	6.0	270	9.7	9.3	1
5328.0			6.0	271	9.7	9.3	
5330.0			6.0	271	9.7	9.3	
5332.0			6.0	270	9.7	9.3	
5334.0			6.0	269	9.7	9.4	
5336.0			6.0	269	9.8	9.4	
5338.0	43.3	253	6.0	268	9.9	9.4	1
5340.0	51.6	92	6.0	267	9.7	9.4	1
5342.0			6.0	267	9.7	9.4	
5344.0			6.0	268	10.0	9.5	
5346.0			6.0	269	10.0	9.5	
5348.0			6.0	270	10.0	9.4	
5350.0			6.0	270	10.0	9.4	
5352.0			6.0	269	10.0	9.3	
5354.0			6.0	269	10.0	9.3	
5356.0			6.0	269	9.9	9.3	
5358.0			6.0	268	10.0	9.3	



FORMATION		COREHOLE		QUAL.		INDEX	
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST
		AZI.		AZI.	1-3	2-4	#
5360.00	13.4	165	6.0	266	10.0	9.2	3
5362.00	16.1	147	6.0	265	9.9	9.2	1
5364.00			6.0	266	9.9	9.2	
5366.00			5.9	266	9.9	9.2	
5368.00	57.2	82	5.9	267	9.9	9.2	1
5370.00	52.5	74	6.0	267	9.9	9.2	1
5372.00			6.0	268	9.4	9.2	
5374.00			6.0	268	10.0	9.2	
5376.00	45.1	82	6.0	269	10.0	9.2	1
5378.00	45.4	83	6.0	269	10.0	9.2	1
5380.00			6.0	269	10.3	9.2	
5382.00			6.0	268	10.2	9.2	
5384.00			6.0	267	9.9	9.2	
5386.00			6.0	267	9.9	9.2	
5388.00			6.0	266	10.0	9.2	
5390.00			6.0	265	10.0	9.2	
5392.00			5.9	265	10.0	9.2	
5394.00			5.9	266	9.9	9.2	
5396.00			6.0	267	9.9	9.3	
5398.00			5.9	267	10.0	9.3	
5400.00			5.9	267	10.1	9.2	
5402.00			5.9	268	10.2	9.2	
5404.00			5.9	268	10.2	9.2	
5406.00			5.9	268	10.2	9.2	
5408.00			5.9	267	10.2	9.2	
5410.00			5.9	266	10.1	9.2	
5412.00	46.2	154	6.0	265	10.0	9.2	3
5414.00	48.3	152	6.0	264	10.0	9.3	3
5416.00			6.0	263	10.0	9.2	
5418.00			6.0	263	10.0	9.2	
5420.00			6.0	264	10.0	9.2	
5422.00			6.0	266	9.8	9.2	
5424.00			6.0	267	9.7	9.2	
5426.00			6.0	266	10.0	9.2	
5428.00			6.0	266	10.0	9.2	
5430.00			6.0	268	10.3	9.2	
5432.00			6.0	268	10.4	9.2	
5434.00			6.0	268	10.2	9.2	
5436.00			6.0	267	10.0	9.2	
5438.00	12.1	340	6.0	265	9.8	9.2	3
5440.00	11.5	343	6.0	264	9.8	9.2	3
5442.00	20.7	313	6.0	265	9.8	9.3	1

FORMATION		BOREHOLE		QUAL.		INDEX	
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST
		AZI.		AZI.	1-3	2-4	#4
4466.0			6.0	281	9.9	9.5	
4468.0			6.0	281	10.0	9.5	
4470.0			6.0	281	10.1	9.5	
4472.0			6.0	280	10.1	9.6	
4474.0			6.0	280	10.1	9.6	
4476.0			6.0	282	10.1	9.6	
4478.0			6.0	282	10.1	9.6	
4480.0			6.0	280	10.1	9.5	
4482.0			6.0	281	10.1	9.5	
4484.0	68.4	188	6.0	281	10.1	9.5	1
4486.0	68.4	188	6.0	281	10.1	9.6	1
4488.0	47.6	43	6.0	282	10.0	9.5	3
4490.0	20.5	333	6.0	282	10.0	9.4	1
4492.0			6.0	280	9.9	9.4	
4494.0			6.0	281	9.8	9.4	
4496.0			6.0	281	9.8	9.3	
4498.0			6.0	279	9.8	9.3	
4500.0			6.0	279	9.9	9.4	
4502.0			6.0	281	10.0	9.4	
4504.0	47.0	337	6.0	282	10.0	9.5	1
4506.0	45.5	336	6.0	280	10.0	9.5	1
4508.0			6.0	280	10.0	9.5	
4510.0			6.0	282	10.0	9.5	
4512.0	52.0	275	6.0	281	10.0	9.5	1
4514.0	46.1	261	6.0	280	10.0	9.5	3
4516.0	43.8	263	6.0	282	10.1	9.5	1
4518.0	23.6	9	6.0	281	10.1	9.6	3
4520.0	21.5	13	6.0	286	10.1	9.6	3
4522.0			6.0	281	10.0	9.6	
4524.0	48.7	254	6.0	281	10.0	9.5	1
4526.0	23.1	1	6.0	280	10.0	9.6	3
4528.0			6.0	281	10.0	9.6	
4530.0			6.0	281	10.0	9.5	
4532.0			6.0	280	10.0	9.6	
4534.0			6.0	281	10.0	9.5	
4536.0			6.0	282	10.0	9.5	
4538.0			6.0	282	9.9	9.5	
4540.0			6.0	282	9.9	9.5	
4542.0			6.0	281	9.9	9.5	
4544.0			6.0	280	9.8	9.5	
4546.0			6.0	280	9.8	9.6	
4548.0	11.9	16	6.0	283	9.8	9.5	1
4550.0			6.0	283	9.9	9.5	
4552.0	35.1	355	6.0	280	9.8	9.5	4
4554.0	34.9	350	6.0	280	9.8	9.5	4



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CC	LL	LL	CC	UU	UU	SS
CC	LL	LL	CC	UU	UU	SS
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