



00573607

RECEIVED

SEP 2 1976

COLO. OIL & GAS CONS. COMM.

SCANNED

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-----SCHLUMBERGER-----

DIPMETER

CLUSTER

CALCULATION

LISTING

MICHIGAN-WISCONSON

BOLTON #2-7

COLT

KIOWA, COLORADO

RUN NUMBER ONE

CORRELATION LENGTH 2 FEET

STEP LENGTH .5 FEET

SEARCH ANGLE 30 X 2

7/16/76

File

Schlumberger

* FORMATION *			* BOREHOLE *				* QUAL., *		
----------*									
* DEPTH *	* DIP *	DIP	* DEV. *	DEV.	DIAM	DIAM	* BEST *	* INDEX *	
* * *	* * *	AZI.	* * *	AZI.	1-3	2-4	* =4 *	* * *	

* 5736.0	11.1	234	0.2	323	8.1	8.0	1	*	*
* 5738.0	10.8	223	0.2	323	8.1	8.0	1	*	*
* 5740.0	6.6	145	0.2	325	8.1	8.0	2	*	*
* 5742.0	14.9	187	0.2	327	8.1	7.9	2	*	*
* 5744.0	1.9	191	0.2	333	8.0	7.9	4	*	*
* 5746.0	7.3	177	0.1	341	7.8	7.8	4	*	*
* 5748.0	17.8	157	0.1	350	7.7	7.6	4	*	*
* 5750.0	5.7	170	0.2	357	7.8	7.6	4	*	*
* 5752.0	3.0	100	0.1	4	7.7	7.6	4	*	*
* 5754.0	6.9	356	0.0	0	7.7	7.6	4	*	*
* 5756.0	1.7	196	0.1	13	7.7	7.3	4	*	*
* 5758.0	1.8	145	0.1	10	7.7	7.3	4	*	*
* 5760.0	2.8	6	0.1	15	7.8	7.8	4	*	*
* 5762.0	3.9	324	0.1	20	7.8	7.8	2	*	*
* 5764.0	1.5	238	0.2	13	7.7	7.6	4	*	*
* 5766.0	7.8	206	0.2	354	7.7	7.5	4	*	*
* 5768.0	9.9	185	0.2	343	7.7	7.4	4	*	*
* 5770.0	3.2	122	0.2	342	7.8	7.5	4	*	*
* 5772.0	1.2	227	0.2	340	7.7	7.7	4	*	*
* 5774.0	2.0	322	0.3	332	7.8	7.7	4	*	*
* 5776.0			0.3	324	7.9	7.8		*	*
* 5778.0			0.3	325	7.9	7.9		*	*
* 5780.0	14.3	48	0.3	327	7.9	7.9	2	*	*
* 5782.0	4.6	29	0.3	328	8.0	7.8	4	*	*
* 5784.0	4.9	25	0.2	330	8.0	7.8	4	*	*
* 5786.0	6.6	60	0.2	330	7.9	7.9	4	*	*
* 5788.0	5.5	70	0.3	326	7.8	7.9	4	*	*
* 5790.0	5.5	59	0.3	321	7.8	7.9	4	*	*
* 5792.0	1.3	303	0.3	318	7.9	7.9	4	*	*
* 5794.0	5.4	167	0.4	318	7.9	7.9	4	*	*
* 5796.0	3.1	87	0.3	317	7.8	7.8	4	*	*
* 5798.0	3.5	61	0.2	312	7.9	7.6	4	*	*

Schlumberger

* FORMATION *		* BOREHOLE *					* QUAL., *		
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* DEPTH *	* DIP	DIP	* DEV.	DEV.	DIAM	DIAM	* BEST *	* INDEX *	
* * *	* * *	AZI.	* * *	AZI.	1-3	2-4	* =4 *	* * *	

* 5580.0	2.1	126	0.1	329	8.3	8.1	4	*	*
* 5582.0	3.1	122	0.1	332	8.3	8.0	4	*	*
* 5584.0	1.8	177	0.2	332	8.2	8.1	4	*	*
* 5586.0	3.0	265	0.2	330	8.2	8.1	4	*	*
* 5588.0	3.0	292	0.2	327	8.2	8.0	4	*	*
* 5590.0	3.6	252	0.3	323	8.2	8.1	4	*	*
* 5592.0	4.6	255	0.4	319	8.2	8.1	4	*	*
* 5594.0	4.4	269	0.3	315	8.0	8.1	4	*	*
* 5596.0	3.8	310	0.3	314	8.0	8.0	4	*	*
* 5598.0	2.6	264	0.3	311	8.1	8.0	4	*	*
* 5600.0	4.1	324	0.3	310	8.1	8.0	4	*	*
* 5602.0	6.3	321	0.3	308	8.2	8.0	4	*	*
* 5604.0	7.6	158	0.2	306	8.2	8.0	4	*	*
* 5606.0	7.1	165	0.2	307	8.1	8.1	4	*	*
* 5608.0	6.6	163	0.2	307	8.2	8.1	4	*	*
* 5610.0	9.0	128	0.2	306	8.1	8.0	4	*	*
* 5612.0	2.1	227	0.2	305	8.2	8.0	4	*	*
* 5614.0	12.7	309	0.2	302	8.2	8.1	3	*	*
* 5616.0	15.8	298	0.2	299	8.2	8.1	3	*	*
* 5618.0	1.3	344	0.2	300	8.2	8.0	4	*	*
* 5620.0	2.0	185	0.2	300	8.2	8.0	4	*	*
* 5622.0	2.9	202	0.2	301	8.2	8.0	4	*	*
* 5624.0	2.8	255	0.1	303	8.2	8.0	4	*	*
* 5626.0	2.8	249	0.2	305	8.0	8.0	4	*	*
* 5628.0	2.3	257	0.2	308	7.9	8.0	4	*	*
* 5630.0	3.5	263	0.1	309	8.0	8.0	4	*	*
* 5632.0	4.0	277	0.1	308	8.0	8.0	4	*	*
* 5634.0	3.6	260	0.1	309	8.0	8.0	4	*	*
* 5636.0	3.4	251	0.1	311	8.1	8.0	4	*	*
* 5638.0	3.1	217	0.1	311	8.1	8.0	4	*	*
* 5640.0	3.6	179	0.2	311	8.1	8.0	4	*	*
* 5642.0	15.7	204	0.2	315	8.0	7.9	3	*	*
* 5644.0	3.2	270	0.2	315	7.9	7.8	2	*	*
* 5646.0	1.5	174	0.2	310	7.8	7.7	4	*	*
* 5648.0	2.2	198	0.2	306	7.9	7.8	2	*	*
* 5650.0	10.8	253	0.2	306	7.8	7.7	2	*	*
* 5652.0	4.7	253	0.2	308	7.8	7.7	4	*	*
* 5654.0	4.1	264	0.2	312	7.9	7.7	4	*	*
* 5656.0	7.3	260	0.2	317	8.0	7.8	4	*	*

* FORMATION *			* BOREHOLE *				* QUAL., *		

* DEPTH *	* DIP	DIP	* DEV.	DEV.	DIAM	DIAM	* BEST *	* INDEX *	
* * *	* * *	AZI.	* * *	AZI.	1-3	2-4	* =4 *	* * *	

* 5502.0	2.2	352	0.4	121	9.6	8.5	4	*	*
* 5504.0	1.8	196	0.3	123	10.9	8.8	4	*	*
* 5506.0	8.1	315	0.2	120	10.5	9.0	4	*	*
* 5508.0	8.0	306	0.2	119	9.4	8.7	4	*	*
* 5510.0	1.5	298	0.2	118	8.9	8.4	4	*	*
* 5512.0	0.7	169	0.2	123	9.2	8.6	4	*	*
* 5514.0	2.7	260	0.2	130	9.1	8.6	4	*	*
* 5516.0	5.3	269	0.2	131	8.7	8.4	4	*	*
* 5518.0	4.1	308	0.2	128	8.5	8.3	4	*	*
* 5520.0	3.4	296	0.2	124	8.5	8.3	4	*	*
* 5522.0	7.7	193	0.2	120	8.6	8.3	4	*	*
* 5524.0	2.6	304	0.2	115	8.4	8.2	4	*	*
* 5526.0	5.1	330	0.1	108	8.5	8.2	4	*	*
* 5528.0	4.6	327	0.0	0	8.5	8.2	2	*	*
* 5530.0	7.9	264	0.0	0	8.2	8.0	4	*	*
* 5532.0	5.3	249	0.0	0	8.2	8.0	4	*	*
* 5534.0	6.0	202	0.0	0	8.1	8.0	4	*	*
* 5536.0	3.0	263	0.0	0	8.1	8.0	4	*	*
* 5538.0	3.7	18	0.0	0	8.1	8.0	4	*	*
* 5540.0	4.3	319	0.0	0	8.2	8.1	4	*	*
* 5542.0	2.9	281	0.0	0	8.2	8.3	4	*	*
* 5544.0	0.7	159	0.0	0	8.2	8.2	4	*	*
* 5546.0	4.7	176	0.0	0	8.2	8.0	4	*	*
* 5548.0	9.6	117	0.2	11	8.3	8.2	4	*	*
* 5550.0	10.5	112	0.2	3	8.5	9.0	4	*	*
* 5552.0	16.1	142	0.2	1	8.5	9.0	2	*	*
* 5554.0	5.7	183	0.2	2	8.4	8.5	2	*	*
* 5556.0	6.1	150	0.1	357	8.4	8.5	4	*	*
* 5558.0	4.8	156	0.1	352	8.3	8.5	4	*	*
* 5560.0	2.9	225	0.1	349	8.3	8.5	4	*	*
* 5562.0	1.3	92	0.0	0	8.2	8.4	4	*	*
* 5564.0	7.0	59	0.0	0	8.2	8.3	4	*	*
* 5566.0	5.0	71	0.0	0	8.3	8.2	4	*	*
* 5568.0	4.7	78	0.0	0	8.4	8.2	4	*	*
* 5570.0	11.8	86	0.0	0	8.4	8.2	4	*	*
* 5572.0	3.1	58	0.1	333	8.4	8.3	2	*	*
* 5574.0	2.3	355	0.1	331	8.4	8.3	4	*	*
* 5576.0	2.5	1	0.1	329	8.4	8.3	4	*	*
* 5578.0	1.8	77	0.2	326	8.3	8.3	4	*	*

* FORMATION *			* BOREHOLE *				* QUAL., *		
* * ----- * ----- * INDEX *									
* DEPTH *	* DIP	DIP	* DEV.	DEV.	DIAM	DIAM	* BEST	* *	
* *	*	AZI.	*	AZI.	1-3	2-4	* =4	* *	

* 5424.0	5.3	44	0.5	136	9.6	8.9	4	*	
* 5426.0	4.1	44	0.5	135	8.3	8.1	4	*	
* 5428.0	3.4	51	0.6	133	9.1	8.4	4	*	
* 5430.0	7.1	72	0.6	130	10.8	9.2	4	*	
* 5432.0	2.8	207	0.7	132	11.3	9.4	4	*	
* 5434.0	1.1	137	0.7	138	10.8	9.2	4	*	
* 5436.0	0.6	152	0.6	140	9.7	8.9	4	*	
* 5438.0	0.9	220	0.5	137	9.0	8.7	4	*	
* 5440.0	0.7	241	0.4	136	9.0	8.3	4	*	
* 5442.0	0.7	248	0.4	135	9.1	8.1	4	*	
* 5444.0	0.9	240	0.4	132	9.3	8.0	4	*	
* 5446.0	0.9	308	0.4	132	9.4	8.0	4	*	
* 5448.0	1.1	282	0.4	131	9.3	8.0	4	*	
* 5450.0	1.1	264	0.4	127	9.2	8.0	4	*	
* 5452.0	1.0	255	0.4	124	9.2	8.0	4	*	
* 5454.0	1.2	255	0.4	119	9.3	8.0	4	*	
* 5456.0	1.5	267	0.3	115	9.1	8.0	4	*	
* 5458.0	1.2	276	0.3	116	8.9	8.2	4	*	
* 5460.0	2.0	293	0.3	117	9.6	8.6	4	*	
* 5462.0			0.3	115	10.1	8.7		*	
* 5464.0	2.2	281	0.3	115	9.3	8.4	4	*	
* 5466.0	0.5	253	0.3	117	8.6	8.1	4	*	
* 5468.0	1.4	235	0.4	118	8.4	8.1	4	*	
* 5470.0	2.3	291	0.4	116	9.5	8.7	4	*	
* 5472.0	10.3	225	0.4	118	10.3	9.0	4	*	
* 5474.0	8.7	242	0.3	126	9.9	8.7	4	*	
* 5476.0	2.2	289	0.3	134	9.1	8.5	4	*	
* 5478.0	1.6	257	0.3	136	8.2	8.0	4	*	
* 5480.0	3.8	204	0.3	136	8.0	7.9	2	*	
* 5482.0	6.3	95	0.3	133	8.0	8.0	2	*	
* 5484.0	1.7	229	0.4	128	9.0	8.3	4	*	
* 5486.0	7.1	153	0.3	125	10.1	8.9	2	*	
* 5488.0	1.1	26	0.3	124	9.9	8.9	4	*	
* 5490.0	1.1	15	0.4	124	9.8	8.7	4	*	
* 5492.0	3.0	4	0.3	125	9.5	8.6	4	*	
* 5494.0	3.0	2	0.3	124	9.3	8.4	4	*	
* 5496.0			0.3	123	9.9	8.5		*	
* 5498.0	2.8	295	0.3	121	9.9	8.5	2	*	
* 5500.0	2.3	348	0.3	119	9.3	8.5	4	*	

* FORMATION *		* BOREHOLE *					* QUAL., *		

* DEPTH *	* DIP	DIP	* DEV.	DEV.	DIAM	DIAM	* BEST	* INDEX *	
* * *	* * *	AZI.	* * *	AZI.	1-3	2-4	* =4	* * *	

* 5346.0			0.6	140	9.3	8.2		* *	
* 5348.0	5.9	314	0.6	141	9.3	8.1	3	* *	
* 5350.0	6.9	360	0.7	142	9.5	8.3	3	* *	
* 5352.0	3.0	2	0.7	143	11.1	9.3	3	* *	
* 5354.0	6.3	196	0.7	143	12.9	10.1	1	* *	
* 5356.0			0.6	143	13.0	9.8		* *	
* 5358.0	6.7	295	0.6	144	12.4	9.6	1	* *	
* 5360.0			0.6	145	12.6	9.4		* *	
* 5362.0			0.6	146	12.8	9.5		* *	
* 5364.0	3.4	231	0.6	145	11.6	9.4	3	* *	
* 5366.0	3.2	238	0.6	147	12.4	9.6	3	* *	
* 5368.0	17.0	53	0.7	148	14.5	9.8	1	* *	
* 5370.0			0.7	146	15.6	9.9		* *	
* 5372.0			0.8	146	15.1	10.3		* *	
* 5374.0	2.1	196	0.8	145	12.8	10.3	3	* *	
* 5376.0	5.6	247	0.8	142	11.6	9.7	3	* *	
* 5378.0	21.1	65	0.8	140	11.5	9.4	1	* *	
* 5380.0	15.3	46	0.8	136	10.9	9.3	3	* *	
* 5382.0	13.7	50	0.8	135	11.0	9.5	3	* *	
* 5384.0	3.2	117	0.8	135	11.0	9.5	1	* *	
* 5386.0	1.3	71	0.8	138	11.7	10.3	3	* *	
* 5388.0	1.6	99	0.7	139	12.4	11.2	4	* *	
* 5390.0	2.0	254	0.7	140	12.1	10.5	4	* *	
* 5392.0	9.1	15	0.7	141	12.1	10.3	2	* *	
* 5394.0	8.7	25	0.7	141	12.7	10.6	2	* *	
* 5396.0	9.5	26	0.8	140	13.6	10.5	2	* *	
* 5398.0	1.9	347	0.8	136	13.5	10.7	4	* *	
* 5400.0	0.6	87	0.8	134	12.2	10.1	4	* *	
* 5402.0	0.4	280	0.7	137	11.1	9.2	4	* *	
* 5404.0	2.8	312	0.7	141	12.0	9.8	4	* *	
* 5406.0	3.6	315	0.7	140	12.8	10.4	4	* *	
* 5408.0	1.2	297	0.7	136	12.0	9.8	4	* *	
* 5410.0	0.8	4	0.8	137	11.9	10.2	4	* *	
* 5412.0	1.5	61	0.9	137	11.9	10.5	4	* *	
* 5414.0	1.6	62	1.1	136	11.3	9.9	4	* *	
* 5416.0	1.4	353	1.1	135	11.2	9.6	4	* *	
* 5418.0	1.2	336	1.0	134	11.7	9.9	4	* *	
* 5420.0	3.8	117	0.7	134	12.4	10.6	4	* *	
* 5422.0	3.0	129	0.5	135	11.7	10.2	4	* *	

* FORMATION *				* BOREHOLE *				* QUAL., *	
* -----*-----*-----*-----*-----*-----*-----*									
* DEPTH *	* DIP	DIP	* DEV.	DEV.	DIAM	DIAM	* BEST	* INDEX *	
* * *	* * *	AZI.	* * *	AZI.	1-3	2-4	* =4	* * *	

* 5268.0	1.9	32	0.9	139	8.5	8.3	4	* *	
* 5270.0	2.4	22	0.8	138	8.6	8.4	4	* *	
* 5272.0	3.8	148	0.9	136	9.2	8.8	4	* *	
* 5274.0	2.0	88	0.9	138	9.9	9.3	4	* *	
* 5276.0	2.2	2	0.8	142	10.3	9.5	4	* *	
* 5278.0	3.5	254	0.9	144	11.0	9.9	4	* *	
* 5280.0	2.9	263	0.9	143	10.6	10.1	4	* *	
* 5282.0	1.7	308	1.0	143	10.7	10.3	4	* *	
* 5284.0	1.7	25	1.1	143	11.2	10.0	4	* *	
* 5286.0	0.8	344	1.2	142	13.4	10.4	4	* *	
* 5288.0	4.2	244	1.2	141	13.8	11.1	4	* *	
* 5290.0	4.3	255	1.1	141	12.7	11.6	4	* *	
* 5292.0	1.6	309	1.1	142	11.6	10.9	4	* *	
* 5294.0	0.8	331	1.2	140	11.1	10.6	4	* *	
* 5296.0	1.0	323	1.1	139	13.3	12.4	4	* *	
* 5298.0	4.1	315	1.0	141	12.1	11.6	2	* *	
* 5300.0			0.9	142	9.3	9.3		* *	
* 5302.0	5.0	164	0.9	142	8.7	8.6	4	* *	
* 5304.0	4.3	21	1.0	142	8.6	8.5	2	* *	
* 5306.0			0.9	142	8.6	8.3		* *	
* 5308.0	9.4	222	0.8	144	8.5	8.3	2	* *	
* 5310.0	41.3	212	0.8	145	8.3	8.2	3	* *	
* 5312.0			0.7	146	8.3	8.2		* *	
* 5314.0	1.6	192	0.7	144	8.5	8.2	4	* *	
* 5316.0	0.9	248	0.6	145	8.7	8.2	4	* *	
* 5318.0	1.1	313	0.5	145	8.5	8.1	4	* *	
* 5320.0	1.1	83	0.5	143	8.3	8.1	4	* *	
* 5322.0	1.9	280	0.5	142	8.4	8.2	4	* *	
* 5324.0	1.7	192	0.5	143	9.1	8.4	4	* *	
* 5326.0	1.3	199	0.6	145	10.8	9.2	4	* *	
* 5328.0			0.6	146	11.3	9.3		* *	
* 5330.0	2.9	86	0.6	147	10.8	8.9	4	* *	
* 5332.0	1.2	113	0.7	147	10.2	9.0	4	* *	
* 5334.0	1.1	112	0.5	149	11.9	10.1	4	* *	
* 5336.0	0.4	235	0.5	147	13.6	10.8	4	* *	
* 5338.0	2.5	41	0.5	143	12.7	10.0	4	* *	
* 5340.0	3.5	12	0.6	143	12.0	9.5	4	* *	
* 5342.0	3.5	314	0.6	141	11.0	8.9	4	* *	
* 5344.0			0.6	138	9.6	8.3		* *	

* FORMATION *		* BOREHOLE *					* QUAL., *		

* DEPTH *	* DIP	DIP	* DEV.	DEV.	DIAM	DIAM	* BEST	* INDEX *	
* * *	* * *	AZI.	* * *	AZI.	1-3	2-4	* =4	* * *	

* 5190.0	1.5	288		0.9	143	8.6	8.6	4	*
* 5192.0	1.7	282		0.9	143	8.6	8.7	4	*
* 5194.0	1.6	285		0.9	142	8.7	8.9	4	*
* 5196.0	2.0	320		1.0	140	8.7	9.0	4	*
* 5198.0	0.7	213		0.9	141	8.6	8.8	4	*
* 5200.0	1.2	252		1.0	142	8.6	8.6	4	*
* 5202.0	1.7	264		1.1	142	8.4	8.4	4	*
* 5204.0	0.7	263		1.1	142	8.3	8.3	4	*
* 5206.0	0.9	55		1.0	141	8.3	8.3	4	*
* 5208.0	3.2	133		1.0	141	8.2	8.2	4	*
* 5210.0	4.1	153		1.1	139	8.7	9.0	2	*
* 5212.0	1.4	229		1.0	137	9.0	9.4	4	*
* 5214.0	4.8	243		1.0	139	8.5	8.6	4	*
* 5216.0	4.6	248		1.0	139	8.2	8.1	4	*
* 5218.0	2.2	237		1.0	140	8.2	8.1	4	*
* 5220.0	4.0	210		0.9	139	8.2	8.2	4	*
* 5222.0	4.2	248		0.9	139	8.2	8.1	4	*
* 5224.0	4.2	229		0.9	138	8.3	8.3	4	*
* 5226.0	6.5	191		0.9	138	8.2	8.1	4	*
* 5228.0	11.0	349		1.0	138	8.2	8.0	4	*
* 5230.0	0.9	275		1.0	135	8.2	8.1	4	*
* 5232.0	1.3	310		1.0	134	8.4	8.3	4	*
* 5234.0	4.8	342		0.9	134	8.9	8.8	4	*
* 5236.0	2.6	14		0.9	134	9.4	9.3	4	*
* 5238.0	1.5	8		0.9	134	8.9	8.8	4	*
* 5240.0	1.3	9		0.9	134	8.2	8.1	4	*
* 5242.0	7.2	282		0.9	136	8.2	8.0	4	*
* 5244.0	6.0	265		0.9	139	8.2	8.0	4	*
* 5246.0	3.5	134		1.0	139	8.3	8.1	4	*
* 5248.0	2.6	72		1.0	139	8.6	8.3	4	*
* 5250.0	22.0	215		1.1	139	8.6	8.3	3	*
* 5252.0	1.0	227		1.1	136	8.3	8.2	4	*
* 5254.0	0.9	183		1.2	133	9.5	8.8	4	*
* 5256.0	2.9	209		1.1	132	10.1	9.2	4	*
* 5258.0	4.0	247		1.0	133	9.0	8.7	4	*
* 5260.0	1.0	41		1.0	132	8.2	7.7	4	*
* 5262.0	1.0	332		0.9	134	8.2	7.6	4	*
* 5264.0	1.9	8		0.8	138	8.2	8.1	4	*
* 5266.0	1.4	39		0.9	139	8.3	8.2	4	*

* FORMATION *				* BOREHOLE *				* QUAL., *	
----------*									
* DEPTH *	* DIP *	DIP	* DEV. *	DEV.	DIAM	DIAM	* BEST *	* INDEX *	
* * *	* * *	AZI.	* * *	AZI.	1-3	2-4	* =4 *	* * *	

* 5110.0	1.8	87	1.0	145	8.7	9.0	4	*	*
* 5112.0	0.5	360	1.0	145	9.4	10.0	4	*	*
* 5114.0	1.6	17	1.0	146	9.3	10.1	4	*	*
* 5116.0	1.3	27	1.0	147	8.8	9.5	4	*	*
* 5118.0	1.1	355	1.0	144	8.9	9.5	4	*	*
* 5120.0	1.5	295	1.0	142	8.7	9.0	4	*	*
* 5122.0	1.2	54	1.0	142	8.5	8.6	4	*	*
* 5124.0	1.4	33	1.0	142	8.4	8.4	4	*	*
* 5126.0	1.0	360	1.0	142	8.3	8.4	4	*	*
* 5128.0	0.4	356	1.0	140	8.3	8.3	4	*	*
* 5130.0	0.8	27	1.1	141	8.3	8.3	4	*	*
* 5132.0	1.0	27	1.1	143	8.3	8.3	4	*	*
* 5134.0	0.4	92	1.1	144	8.3	8.2	4	*	*
* 5136.0	1.8	342	1.1	146	8.2	8.1	4	*	*
* 5138.0	1.2	329	1.1	146	8.2	8.1	4	*	*
* 5140.0	1.0	7	1.1	145	8.3	8.2	4	*	*
* 5142.0	0.0	360	1.1	144	8.3	8.2	4	*	*
* 5144.0	1.0	119	1.1	145	8.4	8.2	4	*	*
* 5146.0	2.7	332	1.1	146	8.5	8.3	4	*	*
* 5148.0	2.5	82	1.1	149	8.5	8.3	4	*	*
* 5150.0			1.1	149	8.5	8.3		*	*
* 5152.0	13.3	50	1.1	148	8.6	8.4	2	*	*
* 5154.0	5.8	147	1.0	150	8.6	8.5	4	*	*
* 5156.0	5.3	94	1.0	151	8.8	8.7	4	*	*
* 5158.0	11.1	114	1.1	152	8.9	8.8	4	*	*
* 5160.0	8.9	87	1.1	151	8.7	8.6	2	*	*
* 5162.0			1.1	150	8.6	8.5		*	*
* 5164.0			1.0	148	8.6	8.4		*	*
* 5166.0			1.0	146	8.5	8.2		*	*
* 5168.0	14.7	255	1.1	146	8.5	8.3	3	*	*
* 5170.0	4.1	239	1.1	146	8.4	8.3	4	*	*
* 5172.0	2.8	242	1.1	145	8.4	8.3	4	*	*
* 5174.0	4.4	202	1.1	144	8.4	8.2	4	*	*
* 5176.0	17.7	79	1.1	143	8.2	8.1	1	*	*
* 5178.0	11.0	99	1.0	143	8.2	8.2	3	*	*
* 5180.0	7.9	140	1.0	144	8.3	8.3	4	*	*
* 5182.0	1.8	241	1.0	142	8.4	8.4	4	*	*
* 5184.0	0.2	254	1.0	141	9.1	9.7	4	*	*
* 5186.0	1.1	282	1.0	144	9.4	10.1	4	*	*
* 5188.0	1.5	264	0.9	145	8.9	9.0	4	*	*

* FORMATION *					BOREHOLE		* QUAL., *		
* -----*-----*-----*-----*-----*-----*-----*-----*-----*									
DEPTH	DIP	DIP	DEV.	DEV.	DIAM	DIAM	BEST		
		AZI.		AZI.	1-3	2-4	=4		

* 5736.0	8.5	256	0.3	321	8.1	8.0	1	*	
* 5738.0	7.7	235	0.3	322	8.1	8.0	1	*	
* 5740.0	2.2	139	0.3	327	8.1	8.0	2	*	
* 5742.0	2.0	147	0.3	334	8.0	8.0	2	*	
* 5744.0	5.4	107	0.2	343	7.9	7.9	4	*	
* 5746.0	5.6	167	0.2	351	7.7	7.8	4	*	
* 5748.0	12.6	124	0.2	352	7.6	7.6	2	*	
* 5750.0	3.9	126	0.2	352	7.7	7.5	4	*	
* 5752.0	4.9	116	0.2	357	7.7	7.5	4	*	
* 5754.0	7.2	22	0.2	7	7.7	7.5	4	*	
* 5756.0	2.8	134	0.2	13	7.7	7.5	4	*	
* 5758.0	15.4	9	0.2	14	7.8	7.7	2	*	
* 5760.0	3.8	360	0.2	19	7.8	7.7	4	*	
* 5762.0	5.6	327	0.2	23	7.7	7.6	4	*	
* 5764.0	2.9	240	0.2	17	7.6	7.5	4	*	
* 5766.0	7.5	189	0.2	1	7.6	7.5	4	*	
* 5768.0	5.2	189	0.3	348	7.7	7.3	4	*	
* 5770.0	3.0	114	0.3	341	7.7	7.3	4	*	
* 5772.0	2.6	276	0.3	337	7.7	7.6	4	*	
* 5774.0	1.9	329	0.3	334	7.7	7.7	4	*	
* 5776.0			0.3	334	7.9	7.8		*	
* 5778.0	18.5	142	0.4	336	8.0	7.8	1	*	
* 5780.0			0.4	337	8.0	7.8		*	
* 5782.0	4.2	4	0.4	336	8.0	7.8	4	*	
* 5784.0	3.7	11	0.4	332	7.9	7.8	4	*	
* 5786.0	4.5	58	0.4	333	7.9	7.8	4	*	
* 5788.0	2.0	62	0.3	334	7.9	7.8	4	*	
* 5790.0	2.9	121	0.4	331	7.9	7.9	4	*	
* 5792.0	2.0	356	0.4	327	7.9	7.9	4	*	
* 5794.0	1.3	356	0.4	323	7.8	7.9	4	*	
* 5796.0	0.9	225	0.4	316	7.9	7.7	4	*	
* 5798.0	3.2	57	0.4	316	8.0	7.7	4	*	

Schlumberger

* FORMATION *		* BOREHOLE *					* QUAL., *		

* DEPTH *	* DIP *	DIP	* DEV. *	DEV.	DIAM	DIAM	* BEST *	* INDEX *	
* *		AZI.	* *		1-3	2-4	* =4 *	* *	

* 5580.0	4.0	139		0.2	330	8.3	8.2	4	*
* 5582.0	5.2	126		0.2	331	8.3	8.1	4	*
* 5584.0	3.1	160		0.3	329	8.2	8.1	4	*
* 5586.0	2.8	184		0.3	325	8.2	8.0	4	*
* 5588.0	2.3	292		0.3	324	8.2	8.0	4	*
* 5590.0	1.7	272		0.3	322	8.2	8.1	4	*
* 5592.0	2.7	255		0.3	317	8.2	8.1	4	*
* 5594.0	2.8	281		0.2	313	8.2	8.0	4	*
* 5596.0	2.1	298		0.3	312	8.2	8.0	4	*
* 5598.0	2.9	313		0.3	310	8.1	8.0	4	*
* 5600.0	4.7	340		0.3	308	8.2	8.0	4	*
* 5602.0	5.3	201		0.3	308	8.2	8.0	2	*
* 5604.0	6.2	168		0.3	309	8.2	8.0	4	*
* 5606.0	6.8	167		0.3	308	8.2	8.0	4	*
* 5608.0	4.7	156		0.3	306	8.2	8.0	4	*
* 5610.0	8.8	142		0.3	304	8.2	8.0	2	*
* 5612.0				0.3	304	8.2	8.0		*
* 5614.0	1.6	27		0.3	303	8.2	8.0	2	*
* 5616.0	1.0	341		0.3	303	8.1	8.0	4	*
* 5618.0	3.7	215		0.2	304	8.1	8.0	4	*
* 5620.0	4.2	202		0.3	305	8.1	7.9	4	*
* 5622.0	1.6	242		0.3	304	8.2	7.9	4	*
* 5624.0	2.6	245		0.2	305	8.2	7.9	4	*
* 5626.0	2.3	245		0.2	307	8.2	7.9	4	*
* 5628.0	2.3	250		0.2	309	8.2	7.8	4	*
* 5630.0	3.7	270		0.2	309	8.1	7.8	4	*
* 5632.0	3.9	277		0.2	309	8.1	7.9	4	*
* 5634.0	3.6	260		0.2	310	8.2	7.9	4	*
* 5636.0	3.8	234		0.2	311	8.1	7.9	4	*
* 5638.0	3.1	207		0.2	311	8.1	7.8	4	*
* 5640.0	3.0	163		0.2	313	8.1	7.7	4	*
* 5642.0	8.2	206		0.2	319	8.0	7.7	2	*
* 5644.0	15.5	277		0.3	321	7.8	7.5	2	*
* 5646.0	2.5	247		0.3	314	7.8	7.5	4	*
* 5648.0	6.9	184		0.3	309	7.9	7.6	4	*
* 5650.0	6.4	156		0.3	312	7.8	7.5	4	*
* 5652.0	4.7	247		0.3	318	7.8	7.7	4	*
* 5654.0	3.5	250		0.3	319	8.0	7.8	4	*
* 5656.0	6.3	263		0.3	319	8.1	7.9	4	*

* FORMATION *			* BOREHOLE *				* QUAL., *		
* -----*-----*-----*-----*									
* DEPTH *	* DIP	DIP	* DEV.	DEV.	DIAM	DIAM	* BEST	* INDEX *	
* * *	* * *	AZI.	* * *	AZI.	1-3	2-4	* =4	* * *	

* 5500.0	1.9	347	0.3	113	9.2	8.4	4	*	*
* 5502.0	0.8	357	0.3	118	9.6	8.5	4	*	*
* 5504.0	3.3	358	0.3	118	10.6	8.9	4	*	*
* 5506.0	7.7	306	0.2	117	10.1	8.9	4	*	*
* 5508.0	8.7	313	0.2	115	9.1	8.5	4	*	*
* 5510.0	1.8	125	0.2	116	9.0	8.4	4	*	*
* 5512.0	2.5	161	0.2	119	9.2	8.5	4	*	*
* 5514.0	5.8	278	0.2	121	9.0	8.5	4	*	*
* 5516.0	5.4	281	0.2	121	8.6	8.4	4	*	*
* 5518.0	2.8	323	0.2	120	8.5	8.3	4	*	*
* 5520.0	2.4	278	0.2	117	8.6	8.3	4	*	*
* 5522.0	5.4	225	0.2	111	8.5	8.3	4	*	*
* 5524.0	1.3	272	0.2	103	8.3	8.1	4	*	*
* 5526.0	4.1	312	0.2	92	8.5	8.3	4	*	*
* 5528.0	3.8	309	0.2	85	8.4	8.3	4	*	*
* 5530.0	5.6	256	0.2	80	8.2	8.0	4	*	*
* 5532.0	4.7	260	0.2	75	8.2	8.0	4	*	*
* 5534.0	3.2	226	0.2	68	8.2	8.0	4	*	*
* 5536.0	6.7	284	0.2	62	8.2	8.0	4	*	*
* 5538.0	6.1	347	0.2	55	8.2	7.9	4	*	*
* 5540.0	3.2	291	0.1	47	8.2	8.1	4	*	*
* 5542.0	3.5	235	0.1	42	8.2	8.4	4	*	*
* 5544.0	2.1	157	0.2	39	8.2	8.3	4	*	*
* 5546.0	2.8	159	0.2	35	8.2	8.2	4	*	*
* 5548.0	6.4	113	0.2	30	8.3	8.4	4	*	*
* 5550.0	7.0	90	0.2	21	8.4	8.9	4	*	*
* 5552.0	4.8	225	0.2	12	8.4	8.9	2	*	*
* 5554.0	5.7	198	0.2	4	8.3	8.5	4	*	*
* 5556.0	5.6	158	0.2	360	8.3	8.5	4	*	*
* 5558.0	3.5	139	0.2	355	8.3	8.4	4	*	*
* 5560.0	4.7	206	0.2	352	8.3	8.4	4	*	*
* 5562.0	14.5	82	0.1	348	8.2	8.3	4	*	*
* 5564.0	7.4	62	0.0	0	8.2	8.2	4	*	*
* 5566.0	4.2	32	0.0	0	8.2	8.3	4	*	*
* 5568.0	4.0	30	0.0	0	8.2	8.3	4	*	*
* 5570.0	5.6	79	0.0	0	8.3	8.3	4	*	*
* 5572.0	2.8	72	0.0	0	8.4	8.3	4	*	*
* 5574.0	1.4	24	0.1	331	8.5	8.3	4	*	*
* 5576.0	2.7	20	0.2	331	8.5	8.3	4	*	*
* 5578.0	5.5	73	0.2	330	8.4	8.3	4	*	*

* * FORMATION *			* BOREHOLE *				* QUAL. *	
* * -----* -----* INDEX *								
* DEPTH *	* DIP *	DIP *	* DEV. *	DEV. *	DIAM *	DIAM *	* BEST *	*
* * *	* * *	AZI. *	* * *	AZI. *	1-3 *	2-4 *	=4 *	*

* 5790.0 *	4.3 *	66 *	0.3 *	336 *	7.9 *	7.7 *	4 *	*
* 5792.0 *	3.1 *	323 *	0.3 *	335 *	7.9 *	7.7 *	4 *	*
* 5794.0 *	4.8 *	166 *	0.3 *	331 *	7.9 *	7.7 *	4 *	*
* 5796.0 *	5.2 *	142 *	0.3 *	328 *	7.9 *	7.8 *	4 *	*
* 5798.0 *	3.8 *	93 *	0.3 *	324 *	7.9 *	7.9 *	4 *	*

* FORMATION *				* BOREHOLE *			* QUAL., *		
* -----* -----* -----* INDEX *									
* DEPTH *	* DIP	DIP	* DEV.	DEV.	DIAM	DIAM	* BEST		
* *	* *	AZI.	* *	AZI.	1-3	2-4	* =4		

* 5712.0			0.4	336	7.8	7.7			*
* 5714.0	18.3	258	0.4	333	7.9	7.8	1		*
* 5716.0			0.4	332	7.9	8.0			*
* 5718.0			0.4	332	7.8	7.9			*
* 5720.0	17.5	72	0.3	329	7.8	7.9	1		*
* 5722.0	11.9	278	0.2	326	7.8	7.9	1		*
* 5724.0	16.6	298	0.2	326	7.8	8.1	1		*
* 5726.0	3.0	95	0.2	327	7.9	8.1	1		*
* 5728.0			0.2	327	8.1	8.0			*
* 5730.0	6.5	243	0.2	327	7.9	8.0	3		*
* 5732.0	5.7	243	0.2	326	7.9	8.0	3		*
* 5734.0	7.4	255	0.2	324	8.0	7.9	1		*
* 5736.0	9.2	250	0.3	323	8.0	7.9	1		*
* 5738.0	9.2	245	0.3	323	8.1	7.9	1		*
* 5740.0			0.2	325	8.1	7.9			*
* 5742.0	2.8	86	0.3	329	8.0	7.9	4		*
* 5744.0	3.8	56	0.2	336	8.0	7.9	4		*
* 5746.0	5.0	360	0.2	343	7.9	7.9	4		*
* 5748.0	6.0	26	0.2	345	7.7	7.6	4		*
* 5750.0	4.9	196	0.2	347	7.7	7.5	4		*
* 5752.0	4.4	47	0.2	350	7.7	7.5	4		*
* 5754.0	8.4	356	0.2	357	7.7	7.6	4		*
* 5756.0	2.5	102	0.2	3	7.7	7.7	4		*
* 5758.0	5.0	43	0.2	4	7.7	7.7	4		*
* 5760.0	2.5	130	0.2	2	7.8	7.8	4		*
* 5762.0	1.4	341	0.2	0	7.8	7.8	4		*
* 5764.0	4.5	341	0.3	357	7.7	7.7	4		*
* 5766.0	6.6	272	0.3	344	7.7	7.7	4		*
* 5768.0	6.7	182	0.3	340	7.6	7.7	4		*
* 5770.0	6.4	171	0.3	348	7.6	7.6	4		*
* 5772.0	3.3	154	0.3	353	7.7	7.6	4		*
* 5774.0	0.6	312	0.3	350	7.8	7.6	4		*
* 5776.0	1.5	287	0.4	345	7.8	7.7	2		*
* 5778.0	2.0	77	0.4	343	7.8	7.8	2		*
* 5780.0	8.0	56	0.4	341	7.9	7.9	2		*
* 5782.0	10.2	24	0.4	342	8.0	7.8	4		*
* 5784.0	4.7	19	0.4	341	7.9	7.8	4		*
* 5786.0	6.9	68	0.4	339	7.8	7.8	4		*
* 5788.0	4.8	72	0.3	338	7.9	7.8	4		*

* FORMATION *			* BOREHOLE *				* QUAL., *		
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* DEPTH *	* DIP	DIP	* DEV.	DEV.	DIAM	DIAM	* BEST	* INDEX *	
* * *	* * *	AZI.	* * *	AZI.	1-3	2-4	* =4	* * *	

* 5634.0	4.4	266	0.1	311	8.1	8.0	4	* *	
* 5636.0	3.8	262	0.2	313	8.1	8.0	4	* *	
* 5638.0	4.0	220	0.2	314	8.1	8.0	4	* *	
* 5640.0	4.4	198	0.2	324	8.1	8.0	4	* *	
* 5642.0	11.1	209	0.2	329	8.1	7.9	4	* *	
* 5644.0	7.6	188	0.2	323	7.9	7.8	4	* *	
* 5646.0	11.1	199	0.3	319	7.7	7.6	2	* *	
* 5648.0	3.3	173	0.3	311	7.9	7.7	4	* *	
* 5650.0	9.6	195	0.3	307	7.9	7.7	4	* *	
* 5652.0	12.1	205	0.2	307	7.8	7.6	4	* *	
* 5654.0	4.5	265	0.2	311	7.8	7.7	4	* *	
* 5656.0	3.5	256	0.2	316	8.0	7.9	4	* *	
* 5658.0	6.3	253	0.2	320	8.1	8.0	4	* *	
* 5660.0	7.6	257	0.2	321	8.1	8.0	4	* *	
* 5662.0	3.5	330	0.2	322	8.1	8.0	3	* *	
* 5664.0	2.1	307	0.3	322	8.1	8.0	3	* *	
* 5666.0	18.1	231	0.3	321	8.1	8.0	4	* *	
* 5668.0	17.7	225	0.3	319	8.2	8.0	4	* *	
* 5670.0	6.0	245	0.2	317	8.2	8.0	4	* *	
* 5672.0	5.3	242	0.3	318	8.1	8.0	4	* *	
* 5674.0	4.2	260	0.3	319	8.1	8.0	4	* *	
* 5676.0	7.1	252	0.3	320	8.1	8.0	4	* *	
* 5678.0	8.5	240	0.3	323	8.1	8.0	4	* *	
* 5680.0	5.9	251	0.3	325	8.1	8.1	4	* *	
* 5682.0	13.4	239	0.2	325	8.1	8.1	4	* *	
* 5684.0	11.6	218	0.3	324	8.1	8.0	4	* *	
* 5686.0	12.5	230	0.3	326	8.1	7.9	4	* *	
* 5688.0	12.0	217	0.3	328	8.1	7.9	2	* *	
* 5690.0	7.5	296	0.3	329	8.0	7.9	3	* *	
* 5692.0	7.9	290	0.3	329	7.8	7.6	3	* *	
* 5694.0	18.7	312	0.4	328	7.7	7.4	3	* *	
* 5696.0	0.5	95	0.4	328	7.7	7.6	1	* *	
* 5698.0			0.4	328	7.9	7.8		* *	
* 5700.0			0.4	328	7.9	7.9		* *	
* 5702.0	12.6	237	0.4	327	8.0	7.9	3	* *	
* 5704.0	16.1	236	0.4	326	8.0	7.9	3	* *	
* 5706.0	15.8	239	0.4	331	8.1	8.0	3	* *	
* 5708.0	15.7	240	0.4	334	8.0	8.0	1	* *	
* 5710.0	17.7	245	0.4	337	7.9	7.8	1	* *	

* FORMATION *				* BOREHOLE *				* QUAL., *	
* -----*-----*-----*-----*-----*-----*-----*-----*-----*									
* DEPTH *	* DIP	DIP	* DEV.	DEV.	DIAM	DIAM	* BEST	* INDEX *	
* * *	* * *	AZI.	* * *	AZI.	1-3	2-4	* =4	* * *	

* 5556.0	7.0	158	0.2	14	8.4	8.4	2	*	*
* 5558.0	7.2	148	0.2	9	8.3	8.4	4	*	*
* 5560.0	1.7	238	0.2	7	8.3	8.4	4	*	*
* 5562.0	1.2	47	0.2	6	8.3	8.4	4	*	*
* 5564.0	9.0	46	0.1	3	8.2	8.3	4	*	*
* 5566.0	6.0	57	0.0	0	8.2	8.2	4	*	*
* 5568.0	2.9	52	0.1	356	8.3	8.1	4	*	*
* 5570.0	3.1	81	0.1	350	8.4	8.1	4	*	*
* 5572.0	17.7	94	0.1	343	8.3	8.3	4	*	*
* 5574.0	2.1	19	0.1	338	8.3	8.4	2	*	*
* 5576.0	3.1	33	0.0	0	8.3	8.3	4	*	*
* 5578.0	4.3	87	0.0	0	8.3	8.3	4	*	*
* 5580.0	4.4	95	0.1	336	8.3	8.2	4	*	*
* 5582.0	6.3	103	0.1	337	8.3	8.1	4	*	*
* 5584.0	4.6	144	0.2	340	8.2	8.1	4	*	*
* 5586.0	2.0	289	0.2	340	8.2	8.1	4	*	*
* 5588.0	2.9	267	0.2	336	8.2	8.0	4	*	*
* 5590.0	4.3	312	0.2	330	8.2	8.0	4	*	*
* 5592.0	3.5	306	0.3	324	8.2	8.1	4	*	*
* 5594.0	3.9	257	0.3	319	8.1	8.1	4	*	*
* 5596.0	4.3	287	0.2	317	8.1	8.0	4	*	*
* 5598.0	4.1	293	0.3	313	8.1	8.0	4	*	*
* 5600.0	4.9	324	0.2	309	8.1	8.0	4	*	*
* 5602.0	4.5	324	0.2	308	8.2	8.0	4	*	*
* 5604.0	5.8	352	0.3	307	8.2	8.0	4	*	*
* 5606.0	7.0	162	0.3	307	8.2	8.0	4	*	*
* 5608.0	5.9	161	0.2	306	8.1	8.1	4	*	*
* 5610.0	4.4	146	0.2	307	8.1	8.1	4	*	*
* 5612.0	3.4	318	0.2	307	8.1	8.0	2	*	*
* 5614.0	12.0	321	0.3	305	8.1	8.1	2	*	*
* 5616.0	13.6	313	0.2	302	8.1	8.1	3	*	*
* 5618.0	1.6	340	0.2	302	8.2	8.1	4	*	*
* 5620.0	3.2	228	0.2	303	8.2	8.0	4	*	*
* 5622.0	3.5	182	0.2	303	8.1	8.0	4	*	*
* 5624.0	1.7	243	0.2	303	8.2	8.1	4	*	*
* 5626.0	2.6	244	0.2	304	8.1	8.1	4	*	*
* 5628.0	2.5	236	0.2	306	8.1	8.0	4	*	*
* 5630.0	2.5	255	0.2	308	8.2	8.0	4	*	*
* 5632.0	4.2	279	0.0	0	8.1	8.0	4	*	*
