

RECORD OF TVD SURVEY
Date: 13-Feb-2008 13:30:
Calculated by Desktop Petrophysics TVD, Minimum Curvature Method

MEAS. DEPTH (FT)	DRIFT ANGLE (DEG)	T.V.D. (FT)	HOLE BEARING (DEG)	COURSE COORDINATES				TOTAL COORDINATES			
				NORTH (FT)	SOUTH (FT)	EAST (FT)	WEST (FT)	NORTH (FT)	SOUTH (FT)	EAST (FT)	WEST (FT)
4898.76	0.55	4898.76	239.94	0.00		0.00		0.00		0.00	
4951.53	1.42	4951.52	231.17	-0.41		-0.39		-0.65		-0.65	
4977.92	1.80	4977.90	228.69	-0.56		-0.49		-1.21		-1.14	
5004.30	2.06	5004.27	232.18	-0.66		-0.59		-1.87		-1.73	
5030.69	1.94	5030.64	232.55	-0.66		-0.64		-2.53		-2.37	
5057.07	1.54	5057.01	241.82	-0.53		-0.60		-3.06		-2.97	
5083.46	1.46	5083.39	257.17	-0.34		-0.59		-3.40		-3.56	
5109.84	1.70	5109.76	260.61	-0.24		-0.69		-3.64		-4.25	
5136.23	1.84	5136.14	260.09	-0.25		-0.77		-3.89		-5.02	
5162.62	1.82	5162.51	248.63	-0.34		-0.77		-4.23		-5.79	
5189.00	2.00	5188.88	227.67	-0.57		-0.65		-4.80		-6.44	
5215.39	2.62	5215.25	214.73	-0.90		-0.56		-5.70		-7.00	
5241.77	3.31	5241.59	210.23	-1.25		-0.55		-6.95		-7.55	
5268.16	3.09	5267.94	203.69	-1.39		-0.47		-8.34		-8.02	
5294.54	1.96	5294.29	203.45	-1.12		-0.30		-9.46		-8.32	
5320.93	0.89	5320.68	223.02	-0.61		-0.23		-10.07		-8.55	
5347.31	0.50	5347.05	305.86	-0.11		-0.22		-10.18		-8.77	
5373.70	1.05	5373.44	353.24	0.28		-0.17		-9.90		-8.94	
5400.09	1.82	5399.82	8.80	0.66		-0.06		-9.24		-9.00	
5426.47	2.28	5426.19	16.47	0.94		0.08		-8.30		-8.92	
5452.86	2.76	5452.55	21.76	1.13		0.21		-7.17		-8.71	
5479.24	2.77	5478.90	26.73	1.23		0.35		-5.94		-8.36	
5505.63	2.17	5505.27	27.98	1.07		0.37		-4.87		-7.99	
5532.01	1.75	5531.63	29.80	0.85		0.31		-4.02		-7.68	
5558.40	1.22	5558.01	23.28	0.65		0.22		-3.37		-7.46	
5584.79	0.87	5584.40	10.71	0.47		0.08		-2.90		-7.38	
5611.17	0.70	5610.77	349.98	0.35		-0.05		-2.55		-7.43	
5637.56	0.71	5637.16	322.14	0.27		-0.17		-2.28		-7.60	
5663.94	0.78	5663.54	303.42	0.19		-0.28		-2.09		-7.88	
5690.33	0.98	5689.93	290.31	0.12		-0.38		-1.97		-8.26	
5716.71	1.10	5716.30	281.93	0.06		-0.47		-1.91		-8.73	
5743.10	1.35	5742.69	281.06	0.03		-0.57		-1.88		-9.30	
5769.49	1.56	5769.07	268.90	-0.05		-0.66		-1.93		-9.96	
5795.87	1.74	5795.44	268.48	-0.13		-0.75		-2.06		-10.71	
5822.26	2.01	5821.81	271.41	-0.12		-0.85		-2.18		-11.56	
5848.64	2.14	5848.18	266.80	-0.16		-0.95		-2.34		-12.51	
5875.03	2.16	5874.55	263.83	-0.23		-0.96		-2.57		-13.47	
5901.41	1.87	5900.91	254.30	-0.30		-0.87		-2.87		-14.34	
5927.80	1.40	5927.29	240.42	-0.37		-0.65		-3.24		-14.99	
5954.19	0.98	5953.68	219.28	-0.40		-0.37		-3.64		-15.36	
5980.57	0.94	5980.05	191.05	-0.41		-0.12		-4.05		-15.48	
6006.96	0.57	6006.44	168.33	-0.33		0.03		-4.38		-15.45	
6033.34	0.75	6032.82	130.03	-0.22		0.19		-4.60		-15.26	
6059.73	0.58	6059.21	132.17	-0.16		0.26		-4.76		-15.00	
6086.11	0.61	6085.58	120.76	-0.13		0.24		-4.89		-14.76	
6112.50	0.74	6111.97	117.89	-0.11		0.29		-5.00		-14.47	
6138.89	0.73	6138.36	134.15	-0.15		0.30		-5.15		-14.17	
6165.27	0.86	6164.74	138.47	-0.23		0.29		-5.38		-13.88	
6191.66	0.89	6191.13	149.50	-0.29		0.28		-5.67		-13.60	
6218.04	1.06	6217.50	153.51	-0.36		0.27		-6.03		-13.33	
6244.43	1.16	6243.89	156.43	-0.42		0.28		-6.45		-13.05	
6270.81	1.26	6270.26	166.16	-0.50		0.25		-6.95		-12.80	
6297.20	1.40	6296.64	174.19	-0.58		0.19		-7.53		-12.61	
6323.58	1.59	6323.01	181.52	-0.67		0.13		-8.20		-12.48	
6349.97	1.83	6349.39	191.55	-0.79		0.02		-8.99		-12.46	
6376.36	2.26	6375.77	200.22	-0.93		-0.13		-9.92		-12.59	
6402.74	2.91	6402.12	206.27	-1.14		-0.31		-11.06		-12.90	
6429.13	3.65	6428.47	209.91	-1.42		-0.51		-12.48		-13.41	
6455.51	4.19	6454.78	210.30	-1.68		-0.67		-14.16		-14.08	
6481.90	4.08	6481.10	211.83	-1.76		-0.73		-15.92		-14.81	
6508.28	3.74	6507.42	206.21	-1.68		-0.63		-17.60		-15.44	
6534.67	3.03	6533.77	196.45	-1.51		-0.36		-19.11		-15.80	
6561.06	2.52	6560.13	181.51	-1.27		-0.03		-20.38		-15.83	
6587.44	2.24	6586.48	169.30	-1.06		0.24		-21.44		-15.59	
6613.83	2.19	6612.85	160.05	-0.93		0.41		-22.37		-15.18	

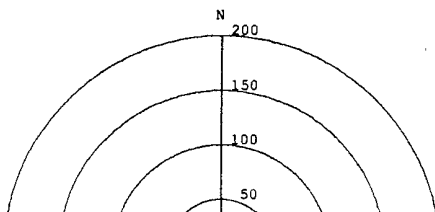
6666.60	1.58	6665.60	163.54	-0.63	0.34	-23.75	-14.42
6692.98	1.80	6691.97	161.87	-0.70	0.34	-24.45	-14.08
6719.37	1.92	6718.35	167.16	-0.78	0.35	-25.23	-13.73
6745.76	1.97	6744.72	170.52	-0.85	0.30	-26.08	-13.43
6772.14	2.06	6771.08	172.34	-0.88	0.27	-26.96	-13.16
6798.53	2.07	6797.46	175.53	-0.92	0.24	-27.88	-12.92
6824.91	2.27	6823.82	179.40	-0.98	0.19	-28.86	-12.73
6851.30	2.43	6850.19	177.42	-1.07	0.19	-29.93	-12.54
6877.68	2.74	6876.54	176.92	-1.16	0.23	-31.09	-12.31
6904.07	2.94	6902.90	183.65	-1.30	0.18	-32.39	-12.13
6930.46	3.44	6929.25	189.41	-1.46	0.05	-33.85	-12.08
6956.84	3.41	6955.58	194.34	-1.57	-0.10	-35.42	-12.18
6983.23	2.95	6981.93	201.77	-1.45	-0.23	-36.87	-12.41
7009.61	2.25	7008.28	213.42	-1.13	-0.38	-38.00	-12.79
7036.00	1.38	7034.66	235.18	-0.68	-0.45	-38.68	-13.24
7062.38	0.70	7061.03	290.82	-0.19	-0.39	-38.87	-13.63
7088.77	0.95	7087.42	361.61	0.25	-0.18	-38.62	-13.81
7115.16	1.40	7113.81	13.06	0.54	0.00	-38.08	-13.81
7141.54	1.94	7140.17	18.05	0.76	0.10	-37.32	-13.71
7167.93	2.23	7166.55	21.92	0.94	0.19	-36.38	-13.52
7194.31	2.68	7192.90	24.86	1.10	0.30	-35.28	-13.22
7220.70	2.85	7219.26	19.39	1.23	0.30	-34.05	-12.92
7247.08	3.48	7245.60	24.51	1.41	0.34	-32.64	-12.58
7273.47	3.47	7271.94	26.83	1.53	0.47	-31.11	-12.11
7299.85	3.17	7298.28	29.76	1.44	0.52	-29.67	-11.59
7326.24	3.81	7324.62	31.58	1.49	0.61	-28.18	-10.98
7352.63	4.36	7350.94	32.37	1.72	0.75	-26.46	-10.23
7379.01	4.15	7377.25	36.06	1.76	0.85	-24.70	-9.38
7405.40	3.53	7403.58	34.42	1.58	0.79	-23.12	-8.59
7431.78	2.71	7429.92	26.89	1.32	0.56	-21.80	-8.03
7458.17	2.10	7456.29	29.13	1.05	0.36	-20.75	-7.67
7484.55	2.19	7482.65	29.79	0.92	0.36	-19.83	-7.31
7510.94	2.19	7509.02	28.98	0.94	0.36	-18.89	-6.95
7537.33	2.57	7535.39	32.32	1.01	0.41	-17.88	-6.54
7563.71	3.01	7561.74	32.09	1.18	0.52	-16.70	-6.02
7590.10	3.15	7588.09	32.23	1.30	0.57	-15.40	-5.45
7616.48	2.77	7614.43	32.75	1.24	0.55	-14.16	-4.90
7642.87	2.08	7640.80	36.31	1.01	0.49	-13.15	-4.41
7669.25	1.18	7667.17	41.36	0.65	0.37	-12.50	-4.04
7695.64	0.62	7693.56	48.50	0.34	0.24	-12.16	-3.80
7722.03	0.16	7719.94	96.69	0.11	0.13	-12.05	-3.67
7748.41	0.53	7746.32	177.66	-0.12	0.06	-12.17	-3.61
7774.80	0.91	7772.71	190.39	-0.33	0.01	-12.50	-3.60
7801.18	1.60	7799.09	187.71	-0.58	0.00	-13.08	-3.60
7827.57	1.69	7825.46	190.40	-0.76	-0.01	-13.84	-3.61
7853.95	1.60	7851.83	195.37	-0.75	-0.05	-14.59	-3.66
7880.34	1.78	7878.21	196.98	-0.77	-0.11	-15.36	-3.77
7906.73	2.02	7904.59	196.07	-0.87	-0.12	-16.23	-3.89
7933.11	2.33	7930.95	198.35	-0.99	-0.15	-17.22	-4.04
7959.50	3.00	7957.31	200.36	-1.20	-0.24	-18.42	-4.28
7985.88	3.51	7983.65	202.04	-1.46	-0.33	-19.88	-4.61
8012.27	4.39	8009.97	201.65	-1.77	-0.42	-21.65	-5.03
8038.65	4.39	8036.28	198.48	-1.98	-0.40	-23.63	-5.43
8065.04	4.03	8062.60	197.22	-1.91	-0.32	-25.54	-5.75
8091.42	3.70	8088.92	195.35	-1.76	-0.24	-27.30	-5.99
8117.81	3.33	8115.26	196.19	-1.61	-0.21	-28.91	-6.20
8144.20	2.79	8141.61	195.82	-1.39	-0.18	-30.30	-6.38
8170.58	2.68	8167.96	196.60	-1.25	-0.17	-31.55	-6.55
8196.97	2.76	8194.32	195.04	-1.24	-0.16	-32.79	-6.71
8223.35	3.08	8220.66	195.59	-1.34	-0.16	-34.13	-6.87
8249.74	3.31	8247.01	197.36	-1.45	-0.21	-35.58	-7.08
8276.12	3.54	8273.35	202.29	-1.55	-0.31	-37.13	-7.39
8302.51	3.97	8299.68	199.74	-1.68	-0.37	-38.81	-7.76
8328.90	3.64	8326.01	195.61	-1.73	-0.28	-40.54	-8.04
8355.28	2.80	8352.35	190.51	-1.47	-0.13	-42.01	-8.17
8381.67	1.45	8378.72	178.24	-0.98	0.03	-42.99	-8.14
8408.05	0.55	8405.10	147.02	-0.42	0.15	-43.41	-7.99
8434.44	0.63	8431.49	145.04	-0.20	0.18	-43.61	-7.81
8460.82	0.69	8457.86	134.62	-0.20	0.23	-43.81	-7.58
8487.21	0.64	8484.25	147.29	-0.20	0.22	-44.01	-7.36
8513.60	0.67	8510.64	160.26	-0.25	0.18	-44.26	-7.18
8539.98	0.93	8537.02	171.95	-0.34	0.13	-44.60	-7.05
8566.37	1.18	8563.40	178.14	-0.48	0.11	-45.08	-6.94
8592.75	1.22	8589.78	184.81	-0.54	0.07	-45.62	-6.87
8619.14	1.37	8616.16	195.27	-0.60	-0.02	-46.22	-6.89
8645.52	2.06	8642.53	197.73	-0.78	-0.12	-47.00	-7.01

8698.30	2.33	8695.27	206.97	-1.02	-0.26	-48.99	-7.43
8724.68	2.12	8721.63	198.52	-0.98	-0.26	-49.97	-7.69
8751.07	1.78	8748.00	201.50	-0.88	-0.18	-50.85	-7.87
8777.45	2.22	8774.37	190.69	-0.91	-0.11	-51.76	-7.98
8803.84	1.46	8800.74	188.42	-0.85	-0.02	-52.61	-8.00
8830.22	0.73	8827.12	163.43	-0.49	0.07	-53.10	-7.93
8856.61	0.80	8853.51	117.79	-0.21	0.25	-53.31	-7.68
8883.00	0.76	8879.89	116.26	-0.12	0.34	-53.43	-7.34
8909.38	0.99	8906.27	136.10	-0.19	0.35	-53.62	-6.99
8935.77	1.44	8932.66	130.61	-0.31	0.46	-53.93	-6.53
8962.15	1.73	8959.03	136.31	-0.43	0.59	-54.36	-5.94
8988.54	1.56	8985.40	151.48	-0.53	0.53	-54.89	-5.41
9014.92	0.52	9011.78	166.78	-0.39	0.26	-55.28	-5.15
9041.31	1.01	9038.17	226.89	-0.30	-0.10	-55.58	-5.25
9067.70	0.91	9064.55	245.48	-0.29	-0.32	-55.87	-5.57
9094.08	0.89	9090.93	254.18	-0.20	-0.36	-56.07	-5.93
9120.47	1.10	9117.32	269.81	-0.13	-0.44	-56.20	-6.37
9146.85	0.93	9143.69	183.35	-0.25	-0.23	-56.45	-6.60
9173.24	1.11	9170.08	156.16	-0.43	0.16	-56.88	-6.44
9199.62	1.39	9196.45	147.06	-0.45	0.35	-57.33	-6.09
9226.01	1.48	9222.84	144.87	-0.49	0.44	-57.82	-5.65
9252.39	2.08	9249.20	149.17	-0.62	0.54	-58.44	-5.11
9278.78	2.20	9275.57	156.72	-0.80	0.57	-59.24	-4.54
9305.17	2.77	9301.94	165.86	-1.02	0.51	-60.26	-4.03
9331.55	3.05	9328.29	166.88	-1.24	0.51	-61.50	-3.52
9357.94	3.21	9354.64	180.58	-1.38	0.36	-62.88	-3.16
9384.32	3.27	9380.97	175.73	-1.47	0.26	-64.35	-2.90
9410.71	3.42	9407.32	180.73	-1.51	0.28	-65.86	-2.62
9437.09	3.98	9433.64	178.95	-1.68	0.25	-67.54	-2.37
9463.48	3.83	9459.97	178.52	-1.78	0.31	-69.32	-2.06
9489.87	3.10	9486.32	179.63	-1.57	0.26	-70.89	-1.80
9516.25	1.24	9512.67	171.31	-0.98	0.19	-71.87	-1.61
9542.64	0.02	9539.06	137.24	-0.27	0.09	-72.14	-1.52
9569.02	0.62	9565.44	154.19	-0.12	0.09	-72.26	-1.43
9595.41	1.67	9591.83	179.86	-0.50	0.13	-72.76	-1.30
9621.79	2.43	9618.19	190.26	-0.94	0.05	-73.70	-1.25
9648.18	4.64	9644.53	194.81	-1.62	-0.14	-75.32	-1.39
9674.57	6.18	9670.80	191.01	-2.48	-0.18	-77.80	-1.57
9700.95	7.19	9697.00	190.86	-3.07	-0.13	-80.87	-1.70
9727.34	6.49	9723.20	192.87	-3.14	-0.18	-84.01	-1.88
9753.72	6.81	9749.40	189.36	-3.05	-0.14	-87.06	-2.02
9780.11	7.04	9775.60	190.67	-3.18	-0.09	-90.24	-2.11
9806.49	7.81	9801.76	189.28	-3.40	-0.09	-93.64	-2.20
9832.88	8.54	9827.88	193.12	-3.75	-0.18	-97.39	-2.38
9859.27	10.08	9853.92	192.38	-4.26	-0.31	-101.65	-2.69
9885.65	10.67	9879.87	200.94	-4.69	-0.69	-106.34	-3.38
9912.04	11.11	9905.79	205.48	-4.81	-1.27	-111.15	-4.65
9938.42	11.76	9931.65	205.61	-5.00	-1.53	-116.15	-6.18
9964.81	12.02	9957.47	207.52	-5.17	-1.69	-121.32	-7.87
9991.19	11.64	9983.29	212.91	-5.02	-2.00	-126.34	-9.87
10017.58	12.18	10009.11	215.06	-4.91	-2.35	-131.25	-12.22
10043.96	12.34	10034.89	216.56	-4.98	-2.57	-136.23	-14.79
10070.35	12.02	10060.69	220.08	-4.83	-2.77	-141.06	-17.56
10096.74	12.02	10086.50	219.47	-4.69	-2.85	-145.75	-20.41
10123.12	12.32	10112.29	221.55	-4.72	-2.95	-150.47	-23.36
10149.51	12.48	10138.06	222.35	-4.72	-3.13	-155.19	-26.49

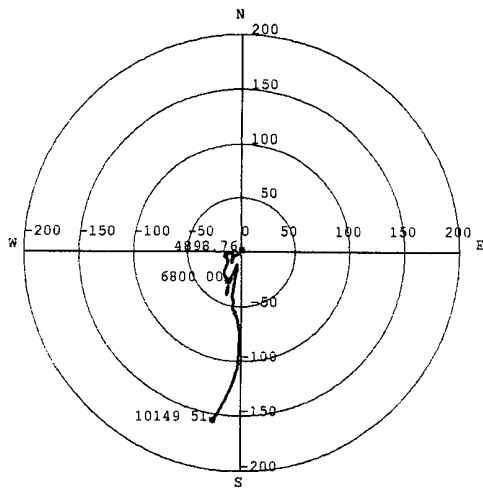
MAGNETIC DECLINATION (Directional Offset) = 8.48
CLOSURE DISTANCE = 157.44 FEET
CLOSURE ANGLE = 189.69 DEGREE

Hole Bearing is corrected for Magnetic Declination (Directional Offset).

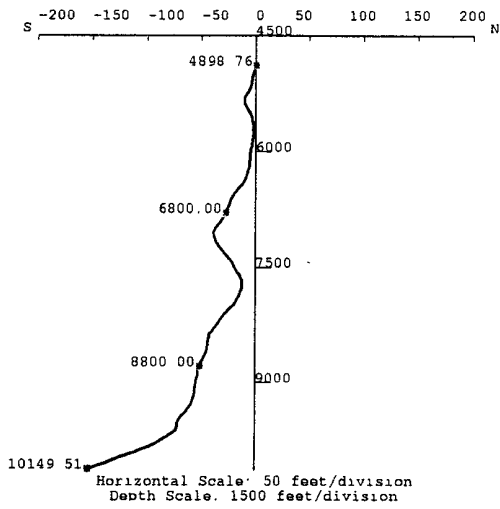
TVD CROSS SECTION LOOKING DOWN



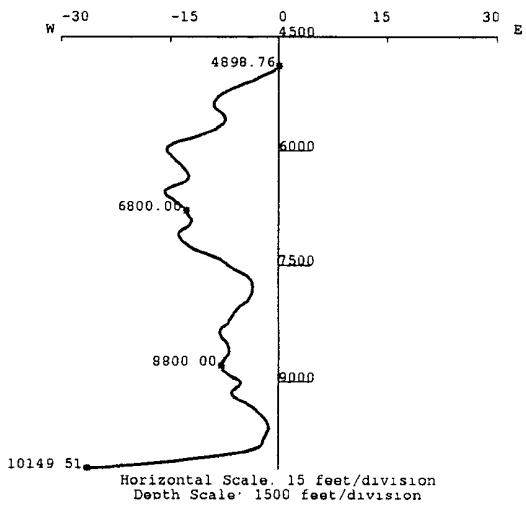
TVD CROSS SECTION LOOKING DOWN



TVD CROSS SECTION LOOKING WEST



TVD CROSS SECTION LOOKING NORTH



COMPANY

CORKRAN ENERGY LP

HALLIBURTON

DUAL LATEROLOG MICRO GUARD

TRUE VERTICAL DEPTH

COMPANY CORKRAN ENERGY LP		WELL FRONTIER 9 FEDERAL COM No. 1		FIELD HUAPECHE, MORROW		COUNTY EDDY		STATE NEW MEXICO			
API No 30-015-35920		Location 1980' FSL & 1980' FEL		Other Services SDLT/DSNT/CSNG ISAT							
COMPANY	WELL	FIELD	COUNTY	STATE	Sect	9	Twp	23S	Rge	22E	
Permanent Datum		GL		Elev 4603 00 ft		Elev KB		4620 00 ft			
Log measured from		KB		17 00 ft above perm Datum		D F		4619 00 ft			
Drilling measured from		KB		GL		4603 00 ft					
Date		18-Jan-08 16 09									
Run No		ONE									
Depth - Driller		10150 00 ft									
Depth - Logger		10130 00 ft									
Bottom - Logged Interval		10120 0 ft									
Top - Logged Interval		1998 0 ft									
Casing - Driller		9 62 in @ 2008 00 ft		@				@			
Casing - Logger		1998 00 ft									
Bit Size		8 750 in		@				@			
Type Fluid in Hole		BRINE									
Density	Viscosity	9 3 ppg	58 00 spqt								
PH	Fluid Loss	9 00 pH	4 mptm								
Source of Sample		FLOWLINE									
Rm @ Meas Temperature	0 07 ohmm @ 45 00 degF	@			@						
Rmf @ Meas Temperature	0 06 ohmm @ 45 00 degF	@			@						
Rmc @ Meas Temperature	0 08 ohmm @ 45 00 degF	@			@						
Source Rmf	Rmc	MEAS	MEAS								
Rm @ BHT	0 02 ohmm @ 150 0 degF	@			@						
Time Since Circulation		8 0 hr									
Time on Bottom		18-Jan-08 18 31									
Max Rec Temperature		150 0 degF @ 10130 0 ft		@				@			
Equipment	Location	700	HOBBS NM								
Recorded By		KYLE ROEMMICH									
Witnessed By		UV JONES									

HALLIBURTON

SPECTRAL DENSITY DUAL SPACED NEUTRON COMPENSATED SPECTRAL NATURAL GAMMA COMPOSITE - TVD

COMPANY CORKRAN ENERGY LP		WELL FRONTIER 9 FEDERAL COM No. 1		FIELD HUAPECHE, MORROW		COUNTY EDDY		STATE NEW MEXICO			
API No 30-015-35920		Location 1980' FSL & 1980' FEL		Other Services DLL-MGRD ISAT							
COMPANY	WELL	FIELD	COUNTY	STATE	Sect	9	Twp	23S	Rge	22E	
Permanent Datum		GL		Elev 4603 00 ft		Elev KB		4620 00 ft			
Log measured from		KB		17 00 ft above perm Datum		D F		4619 00 ft			
Drilling measured from		KB		GL		4603 00 ft					
Date		18-Jan-08 22 48		21-Jan-08 01 40							
Run No		ONE		2							
Depth - Driller		10150 00 ft		10150 00 ft							
Depth - Logger		10130 00 ft		10130 00 ft							
Bottom - Logged Interval		9547 ft		10128 ft							
Top - Logged Interval		200 ft		9200 ft							
Casing - Driller		9 62 in @ 2008 00 ft		9 62 in @ 2008 00 ft		@					
Casing - Logger		1998 00 ft		1998 00 ft							
Bit Size		8 750 in		8 750 in		@					
Type Fluid in Hole		BRINE		BRINE							
Density	Viscosity	9 3 ppg	58 00 spqt	9 9 ppg	64 00 spqt						
PH	Fluid Loss	9 00 pH	4 mptm	9 00 pH	5 mptm						
Source of Sample		FLOWLINE		FLOWLINE							
Rm @ Meas Temperature	0 07 ohmm @ 45 00 degF	0 07 ohmm @ 45 00 degF	@								
Rmf @ Meas Temperature	0 06 ohmm @ 45 00 degF	0 03 ohmm @ 75 00 degF	@								
Rmc @ Meas Temperature	0 08 ohmm @ 45 00 degF	0 06 ohmm @ 75 00 degF	@								
Source Rmf	Rmc	MEAS	MEAS	CHART	CHART						
Rm @ BHT	0 02 ohmm @ 150 0 degF	0 02 ohmm @ 153 0 degF	@								
Time Since Circulation		8 0 hr		18 0 hr							
Time on Bottom		19-Jan-08 03 44		21-Jan-08 01 41							
Max Rec Temperature		150 0 degF @ 10130 0 ft		153 0 degF @ 10130 0 ft		@					
Equipment	Location	700	HOBBS, NM	10842695	PV OK						
Recorded By		KYLE ROEMMICH		J MENDEZ							
Witnessed By		UV JONES		UV JONES							