

10/27/2000 7:08:54 AM

Anadrill Schlumberger Survey Report

Magnetic Declination: 9.27 DEG

Point In Point (TIP):

Measured Depth

2000

FT.

True Vertical Depth

1999.6

FT.

Inclination

.92

DEG

Azimuth

158.18

DEG

N/S Displacement(-ve for S)

-12.41

FT.

E/W Displacement(-ve for W)

30.32

FT.

Azim. From Rotary Table To Target

81.01

DEG

Accepted Survey Listing:

M.Dpth	Int.	V.Dpth	Target	Incl.	Azim	N.Disp	E.Disp	T.Disp	Clr.A.	DLS
(ft)	(ft)	(ft)	(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(deg)	(D/HF)
2120	120	2119.56	30.34	2.11	97.39	-13.59	32.87	35.57	112.46	1.54
2151	31	2150.53	31.68	2.92	85.99	-13.61	34.22	36.83	111.68	3.06
2183	32	2182.48	33.48	3.57	86.79	-13.5	36.03	38.47	110.54	2.04
2215	32	2214.41	35.56	3.93	75.44	-13.17	38.09	40.3	109.07	2.57
2247	32	2246.32	37.95	4.67	74.66	-12.55	40.41	42.31	107.25	2.32
2279	32	2278.19	40.77	5.5	74.73	-11.8	43.15	44.73	105.3	2.59
2310	31	2309.03	43.92	6.23	72.8	-10.91	46.19	47.46	103.29	2.44
2342	32	2340.83	47.45	6.6	71.14	-9.8	49.59	50.55	101.18	1.29
2374	32	2372.6	51.23	7.15	72.26	-8.6	53.23	53.92	99.18	1.77
2405	31	2403.34	55.21	7.8	71.14	-7.33	57.06	57.53	97.32	2.15
2437	32	2435.02	59.7	8.5	73.25	-5.95	61.38	61.67	95.53	2.38
2468	31	2465.64	64.48	9.36	76.09	-4.68	66.02	66.19	94.06	3.12
2500	32	2497.18	69.85	10.04	77.11	-3.43	71.27	71.35	92.76	2.19
2532	32	2528.66	75.57	10.56	77.56	-2.18	76.85	76.88	91.62	1.64
2564	32	2560.1	81.53	10.94	78.32	-0.93	82.69	82.69	90.65	1.27
2595	31	2590.49	87.64	11.82	79.01	0.27	88.69	88.69	89.83	2.87
2627	32	2621.76	94.41	12.62	81.55	1.41	95.37	95.38	89.15	3.01
2659	32	2652.94	101.63	13.42	81.6	2.47	102.5	102.53	88.62	2.5
2691	32	2684.03	109.22	14.02	80.95	3.62	110	110.06	88.11	1.94
2722	31	2714.08	116.85	14.49	81.36	4.79	117.54	117.64	87.66	1.55
2754	32	2745.01	125.03	15.17	81.09	6.04	125.63	125.78	87.25	2.14
2785	31	2774.88	133.31	15.8	80.29	7.38	133.8	134	86.84	2.15
2817	32	2805.6	142.27	16.72	81.1	8.83	142.64	142.91	86.46	2.96
2848	31	2835.25	151.31	17.21	81.26	10.22	151.58	151.92	86.14	1.59
2912	64	2896.31	170.5	17.68	80.16	13.32	170.51	171.03	85.53	0.9
2974	62	2955.37	189.37	17.78	79.86	16.6	189.1	189.83	84.98	0.22
3038	64	3016.31	208.92	17.8	78.93	20.2	208.32	209.3	84.46	0.45
3100	62	3075.3	228	18.08	78.4	23.95	227.04	228.3	83.98	0.52
3163	63	3135.19	247.53	18.09	78.3	27.9	246.19	247.77	83.53	0.05
3227	64	3195.98	267.53	18.38	78.08	32	265.79	267.71	83.14	0.47
3288	61	3253.9	286.67	18.22	80.5	35.56	284.61	286.82	82.88	1.27
3351	63	3313.78	306.25	18	81.12	38.69	303.94	306.39	82.75	0.46
3414	63	3373.75	325.55	17.68	81.89	41.54	323.03	325.69	82.67	0.63
3478	64	3434.78	344.83	17.38	81.56	44.31	342.11	344.96	82.62	0.49
3540	62	3493.93	363.41	17.49	80.92	47.14	360.47	363.54	82.55	0.36
3634	94	3583.56	391.73	17.58	81.13	51.56	388.44	391.85	82.44	0.12
3728	94	3673.18	420.09	17.54	81.21	55.91	416.46	420.2	82.35	0.05
3823	95	3763.78	448.67	17.49	79.99	60.58	444.67	448.77	82.24	0.39
3918	95	3854.39	477.23	17.5	80.29	65.47	472.81	477.32	82.12	0.1
4013	95	3945.1	505.45	17.06	80.14	70.27	500.62	505.53	82.01	0.47
4108	95	4036.01	533	16.69	77.22	75.67	527.65	533.05	81.84	0.97
4203	95	4127.06	560.03	16.46	76.97	81.72	554.07	560.06	81.61	0.25
4267	64	4188.47	578.01	16.27	75.89	85.95	571.6	578.02	81.45	0.56
4329	62	4248	595.29	16.2	77.22	89.98	588.46	595.3	81.31	0.61
4393	64	4309.42	613.23	16.43	77.09	93.98	605.99	613.23	81.18	0.36
4457	64	4370.79	631.33	16.51	76.68	98.1	623.66	631.33	81.06	0.22
4520	63	4431.17	649.25	16.67	75.75	102.39	641.13	649.25	80.93	0.49
4590	70	4498.13	669.55	17.21	75.2	107.51	660.87	669.56	80.76	0.8
4654	64	4559.3	688.32	17.01	78.07	111.86	679.18	688.33	80.65	1.36
4717	63	4619.53	706.78	17.12	77.72	115.74	697.26	706.8	80.58	0.24
4781	64	4680.66	725.71	17.34	78.76	119.6	715.82	725.74	80.51	0.59
4844	63	4740.73	744.68	17.72	80.82	122.96	734.49	744.71	80.5	1.15
4906	62	4799.82	763.44	17.5	81.22	125.89	753.02	763.47	80.51	0.4
4970	64	4860.95	782.4	16.97	80.72	128.86	771.75	782.43	80.52	0.86
5033	63	4921.31	800.46	16.33	80.37	131.82	789.56	800.48	80.52	1.03
5097	64	4982.73	818.46	16.35	81.45	134.66	807.34	818.49	80.53	0.48
5160	63	5043.03	836.7	17.3	80.29	137.56	825.34	836.73	80.54	1.6