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JUL - 8 1999

ONL CON. DIV.
DIST. 3

TABULATION OF DEVIATION TESTS

CROSS TIMBERS OPERATING COMPANY

Attached is Schulmberger Anadrill Deviation Survey.

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above survey details the deviation tests taken on CROSS TIMBERS OPERATING COMPANY'S Ute Mountain Tribal J #6, Section 1, T 31 N, R 14 W, San Juan County, New Mexico.

Signed

Printed Name

Title

Loren W. Fothergill

Loren W. Fothergill

Operations Engineer

THE STATE OF NEW MEXICO)

) SS.

COUNTY OF SAN JUAN)

BEFORE ME, the undersigned authority, on this day personally appeared Jeffery W. Patton known to me to be Production Engineer for Cross Timbers Operating Company and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN to before me, a Notary Public in and for said County and State this 6 day of July, 19 99.

Notary Public

My Commission Expires:

S:\Forms\Deviation Tests

6/10/03

Magnetic Declination: 11.57 DEG

Tie In Point (TIP):

Measured Depth	0	FT.
True Vertical Depth	0	FT.
Inclination	0	DEG
Azimuth	0	DEG
N/S Displacement(-ve for S)	0	FT.
E/W Displacement(-ve for W)	0	FT.
Azim. From Rotary Table To Target	0	DEG

Accepted Survey Listing:

M.Depth (ft)	Interval (ft)	V.Depth (ft)	Target S (ft)	Incl. (deg)	Azim (deg)	N.Disp (ft)	E.Disp (ft)	T.Disp (ft)	Clr.Ang (deg)	DLS (D/HF)
323	323	322.98	2.62	1.1	32.3	2.62	1.66	3.1	32.3	0.34
504	181	503.93	5.95	1.52	39.11	5.95	4.1	7.23	34.58	0.25
688	184	687.8	11.78	3.01	13.79	11.78	6.91	13.65	30.41	0.96
875	187	874.21	26.14	5.92	5.96	26.14	9.08	27.68	19.16	1.59
1061	186	1059.2	45.45	6.04	3.19	45.45	10.62	46.68	13.15	0.17
1249	188	1246.16	65.16	6.01	2.11	65.16	11.53	66.17	10.04	0.06
1381	79	1377.49	78.47	5.89	5.11	78.47	12.41	79.44	8.99	0.34
1445	64	1441.12	85.33	6.49	7.26	85.33	13.16	86.34	8.77	1
1507	62	1502.73	92.23	6.4	8.05	92.23	14.09	93.3	8.68	0.2
1539	32	1534.52	95.82	6.62	9.34	95.82	14.64	96.93	8.69	0.83
1570	31	1565.31	99.39	6.8	9.46	99.39	15.23	100.55	8.71	0.58
1601	31	1596.12	102.76	5.98	14.35	102.76	15.93	103.99	8.81	3.17
1633	32	1627.97	105.75	5	8.75	105.75	16.56	107.04	8.9	3.49
1664	31	1658.86	108.34	4.7	8.05	108.34	16.94	109.66	8.89	0.99
1695	31	1689.78	110.56	3.75	17.81	110.56	17.43	111.93	8.96	3.83
1726	31	1720.72	112.28	3.2	29.85	112.28	18.17	113.74	9.19	2.94
1758	32	1752.68	113.65	2.6	35.48	113.65	19.04	115.23	9.51	2.07
1789	31	1783.66	114.64	1.66	19.97	114.64	19.6	116.31	9.7	3.53
1820	31	1814.65	115.48	1.58	10.19	115.48	19.83	117.17	9.74	0.93
1850	30	1844.64	116.21	1.25	2.47	116.21	19.92	117.91	9.73	1.27
1881	31	1875.64	116.75	0.78	15.83	116.75	19.99	118.45	9.72	1.69
1912	31	1906.64	116.97	0.3	81.18	116.97	20.13	118.68	9.76	2.29
1943	31	1937.64	116.68	1.22	155.32	116.68	20.35	118.44	9.89	3.79
1974	31	1968.63	116.03	1.45	152.86	116.03	20.67	117.86	10.1	0.76
2006	32	2000.62	115.4	1.1	152.9	115.4	20.99	117.29	10.31	1.09
2037	31	2031.62	114.99	0.6	156.41	114.99	21.19	116.92	10.44	1.62
2069	32	2063.62	114.45	1.37	182.7	114.45	21.24	116.41	10.51	2.73
2100	31	2094.6	113.47	2.27	188.24	113.47	21.13	115.42	10.55	2.95
2130	30	2124.57	112.24	2.47	189.79	112.24	20.93	114.18	10.56	0.7
2161	31	2155.54	111	2.18	188.27	111	20.73	112.92	10.58	0.96
2192	31	2186.52	109.94	1.84	194.87	109.94	20.52	111.83	10.57	1.33
2255	63	2249.44	107.08	3.66	200.22	107.08	19.57	108.85	10.36	2.91
2285	30	2279.37	105.12	4.3	198.6	105.12	18.88	106.8	10.18	2.17
2316	31	2310.28	102.88	4.4	197.19	102.88	18.16	104.47	10.01	0.47
2346	30	2340.19	100.71	4.3	197.9	100.71	17.47	102.22	9.84	0.38
2410	64	2404.02	96.24	4.02	192.48	96.24	16.25	97.6	9.58	0.75
2472	62	2465.88	92.19	3.6	188.76	92.19	15.48	93.49	9.53	0.79
2534	62	2527.76	88.36	3.59	190.24	88.36	14.84	89.59	9.53	0.15
2596	62	2589.64	84.51	3.67	191.66	84.51	14.09	85.67	9.47	0.19
2659	63	2652.49	80.3	4.19	193.55	80.3	13.14	81.37	9.3	0.85
2712	53	2705.34	76.49	4.32	195.05	76.49	12.17	77.45	9.04	0.32
2750	38	2743.23	73.73	4.32	195.05	73.73	11.43	74.61	8.81	0