

NIBU 27

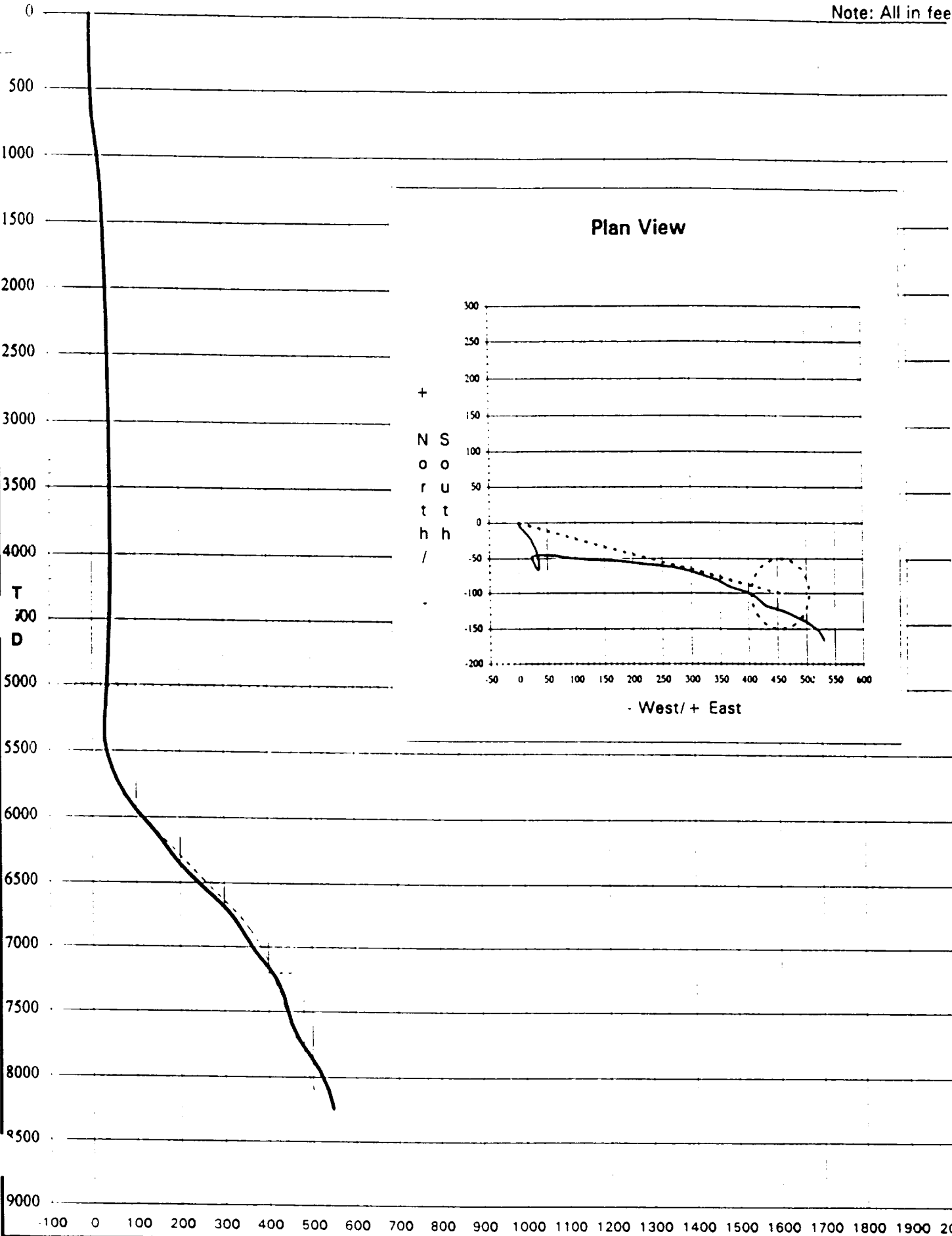
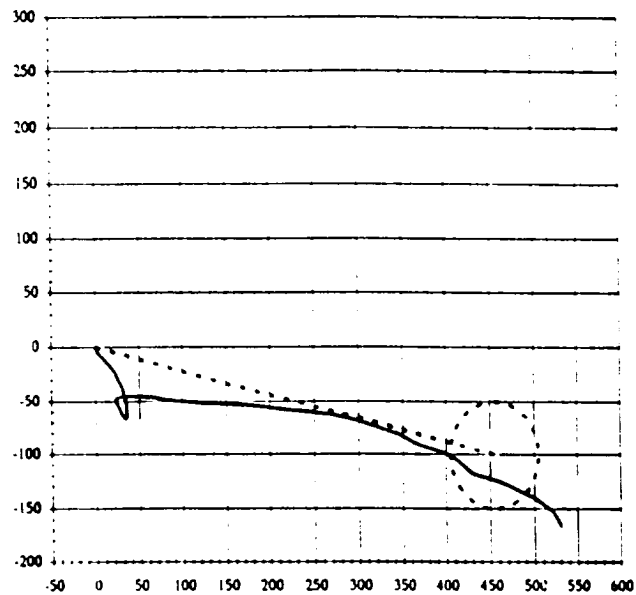
True Vertical Section

DRH

Note: All in feet

Plan View

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**MARATHON OIL COMPANY - MID CONTINENT REGION
DIRECTIONAL SURVEY DATA**

WELLNAME: NIBU 27	RIG NUMBER: McVay 4	
FIELD: Indian Basin	COUNTY/STATE: Eddy County, New Mexico	
TARGET AZIMUTH (0-360): 97.04 (S83.96E)	SPUD DATE: 30-May-96	

MEASURED DEPTH (FT.)	HOLE ANGLE (DEG)	HOLE AZIMUTH (0-360D)	TRUE VERTICAL DEPTH (FT.)	+ NORTH - SOUTH (FT.)	+ EAST - WEST (FT.)	CLOSURE (FT.)	TRUE VERTICAL SECTION (FT.)	DOGLEG SEVERITY (D/100')	+ BUILD - DROP RATE (D/100')	WALK RATE + R/-L (D/100')
0	0.00	138.69	0.0	0.00	0.00	0.00	0.00	N/A	N/A	N/A
100	0.43	138.69	100.0	-0.28	0.25	0.38	0.28	0.43	0.43	0.00
200	0.56	184.31	200.0	-1.03	0.63	1.21	0.75	0.25	0.13	25.62
300	0.59	142.32	300.0	-1.91	1.07	2.19	1.30	0.22	0.03	-21.99
400	0.71	158.33	400.0	-2.90	1.62	3.32	1.96	0.22	0.12	16.01
500	0.94	140.62	500.0	-4.11	2.37	4.74	2.85	0.34	0.23	-17.71
600	1.53	140.62	600.0	-5.77	3.73	6.87	4.41	0.59	0.59	0.00
700	1.87	133.53	699.9	-7.93	5.76	9.80	6.89	0.40	0.34	-7.09
800	3.00	131.46	799.8	-10.78	8.91	13.99	10.16	1.13	1.13	-2.07
900	2.62	127.50	899.7	-13.91	12.68	18.82	14.29	0.43	-0.38	-3.96
1000	2.39	132.32	999.6	-16.70	16.04	23.16	17.96	0.31	-0.23	4.82
1100	2.06	135.97	1099.5	-19.40	18.83	27.03	21.06	0.36	-0.33	3.66
1200	1.74	139.65	1199.5	-21.85	21.06	30.35	23.58	0.34	-0.32	3.68
1300	1.64	147.38	1299.4	-24.21	22.82	33.27	25.81	0.25	-0.10	7.73
1400	1.38	154.95	1399.4	-26.51	24.10	35.82	27.16	0.33	-0.26	7.57
1500	1.31	149.85	1499.4	-28.59	25.18	38.09	28.49	0.14	-0.07	-5.10
1600	1.22	147.80	1599.3	-30.47	26.32	40.27	29.86	0.10	-0.09	-2.05
1700	1.31	150.48	1699.3	-32.37	27.45	42.44	31.21	0.11	0.09	2.68
1800	1.28	157.69	1799.3	-34.40	28.44	44.63	32.44	0.17	-0.03	7.21
1900	1.11	147.06	1899.3	-36.24	29.39	46.66	33.81	0.28	-0.17	-10.63
2000	0.90	161.36	1999.3	-37.80	30.17	48.36	34.57	0.33	-0.21	14.30
2100	1.00	153.93	2099.2	-39.33	30.80	49.96	35.39	0.16	0.10	-7.43
2200	0.88	166.87	2199.2	-40.66	31.36	51.51	36.13	0.24	-0.12	12.94
2300	0.82	155.10	2299.2	-42.26	31.84	52.91	36.78	0.18	-0.06	-11.77
2400	0.99	167.37	2399.2	-43.75	32.33	54.40	37.44	0.26	0.17	12.27
2500	0.78	166.17	2499.2	-45.26	32.65	55.81	37.96	0.21	-0.21	0.80
2600	0.76	156.26	2599.2	-46.53	33.06	57.08	38.52	0.16	-0.02	-11.91
2700	0.84	156.05	2699.2	-47.81	33.63	58.45	39.23	0.08	0.08	-0.21
2800	0.93	162.70	2799.2	-49.25	34.16	59.94	39.94	0.14	0.09	6.65
2900	0.90	168.39	2899.1	-50.80	34.56	61.44	40.53	0.10	-0.03	5.69
3000	0.95	179.04	2999.1	-52.40	34.74	62.87	40.90	0.18	0.05	10.65
3100	0.89	181.38	3099.1	-54.00	34.73	64.21	41.09	0.07	-0.06	2.34
3200	0.73	172.67	3199.1	-55.41	34.79	65.43	41.32	0.20	-0.16	-8.71
3300	0.93	171.74	3299.1	-56.85	34.99	66.75	41.70	0.20	0.20	-0.93
3400	0.73	183.45	3399.1	-58.28	35.07	68.02	41.95	0.26	-0.20	11.71
3500	0.61	181.29	3499.1	-59.45	35.02	69.00	42.04	0.12	-0.12	-2.16
3600	0.63	181.65	3599.1	-60.53	34.99	69.92	42.15	0.02	0.02	0.36
3700	0.58	178.58	3699.1	-61.59	34.99	70.83	42.27	0.06	-0.05	-3.07
3800	0.70	163.26	3799.1	-62.68	35.18	71.88	42.59	0.21	0.12	-15.32
3900	0.39	170.02	3899.1	-63.60	35.41	72.79	42.94	0.32	-0.31	6.76
4000	0.55	201.25	3999.1	-64.38	35.30	73.42	42.92	0.30	0.16	31.23
4100	0.42	191.38	4099.1	-65.19	35.05	74.02	42.78	0.15	-0.13	-9.87
4200	0.31	203.29	4199.1	-65.80	34.87	74.47	42.67	0.13	-0.11	11.91
4300	0.27	254.75	4299.0	-66.11	34.54	74.59	42.38	0.25	-0.04	51.46
4400	0.55	267.02	4399.0	-66.19	33.83	74.34	41.69	0.29	0.28	12.27
4500	0.58	296.49	4499.0	-65.99	32.90	73.74	40.74	0.29	0.03	29.47
4600	0.67	305.18	4599.0	-65.43	31.97	72.82	39.75	0.13	0.09	8.69
4700	1.12	326.42	4699.0	-64.28	30.95	71.34	38.59	0.55	0.45	21.24