

PHOENIX MULTI-SHOT
P.O. BOX 4357
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TEXACO E & P, INC.
C.H. WEIR "A", WELL #20
LEA COUNTY, NEW MEXICO
RIG: NABORS #732
JOB NUMBER: 776091 09/26/97 T.JALLAD

Unit F, 12-205-37e

Surf: 2510/W & 2225/W
BHL: 2600/W & 2500/W

30-025-34096

Slot Elevation: 0.00
Plane of Vertical Section: S 71 5 E

Minimum Curvature Calculations

MEASURED DEPTH Feet	INCL. Degrees	AZ DIR. Degrees	VERTICAL DEPTH Feet	VERTICAL SECTION Feet	SUB SEA DEPTH Feet	RECTANGULAR COORDINATES		CLOSURES		D.L.S. Deg/100
						Feet	Feet	Feet	Dir Deg.	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	.25	4.00	200.00	-.11	200.00	.44N	0.03E	.44	3.94	.13
400.00	0.00	0.00	400.00	-.22	400.00	.87N	0.06E	.87	4.01	.13
600.00	0.00	0.00	600.00	-.22	600.00	.87N	0.06E	.87	4.01	0.00
800.00	0.00	0.00	800.00	-.22	800.00	.87N	0.06E	.87	4.01	0.00
1000.00	.25	259.00	1000.00	-.60	1000.00	.79N	.37W	.87	335.00	.13
1200.00	.50	214.00	1199.99	-1.21	1199.99	.02S	1.28W	1.28	269.15	.18
1400.00	.50	239.00	1399.99	-2.00	1399.99	1.19S	2.52W	2.79	244.68	.11
1600.00	.75	249.00	1599.97	-3.56	1599.97	2.11S	4.49W	4.96	244.82	.14
1800.00	1.00	249.00	1799.95	-5.90	1799.95	3.20S	7.34W	8.01	246.41	.13
2000.00	.75	334.00	1999.94	-8.17	1999.94	2.65S	9.54W	9.91	254.46	.60
2200.00	1.25	9.00	2199.91	-9.47	2199.91	.68N	9.78W	9.80	273.96	.38
2400.00	1.00	29.00	2399.87	-9.54	2399.87	4.36N	8.59W	9.63	296.90	.23
2600.00	.75	49.00	2599.84	-8.58	2599.84	6.74N	6.76W	9.55	314.95	.20

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MEASURED DEPTH Feet	INCL. Degrees	AZ DIR. Degrees	VERTICAL DEPTH Feet	VERTICAL SECTION Feet	SUB SEA DEPTH Feet	RECTANGULAR COORDINATES Feet	CLOSURES DIST Feet	DIR Deg.	D.L.S. Deg/100
2800.00	.50	74.00	2799.83	-7.20	2799.83	7.84N 4.93W	9.26	327.85	.18
3000.00	.25	204.00	2999.83	-6.53	2999.83	7.68N 4.27W	8.79	330.96	.34
3200.00	.25	234.00	3199.83	-6.82	3199.83	7.03N 4.80W	8.51	325.68	.06
3400.00	.50	224.00	3399.82	-7.44	3399.82	6.14N 5.76W	8.42	316.87	.13
3600.00	.50	274.00	3599.82	-8.65	3599.82	5.58N 7.23W	9.14	307.64	.21
3800.00	.50	289.00	3799.81	-10.37	3799.81	5.92N 8.93W	10.72	303.56	.06
4000.00	.75	259.00	3999.80	-12.37	3999.80	5.96N 11.04W	12.54	298.35	.20
4200.00	.75	254.00	4199.78	-14.58	4199.78	5.35N 13.58W	14.60	291.49	.03
4222.00	1.00	254.00	4221.78	-14.86	4221.78	5.25N 13.91W	14.86	290.70	1.14

Final Station Closure Distance: 14.86 Feet; Direction: 290.70

CHWEIR

Texaco E & P
C.H. WEIR #20
ACTUAL SURVEYS

MD	INC	AZM	N,-S	E,-W	TVD	VS	DLS
4222.00	1.00	254.00	5.30	-13.90	4221.80	-14.87	0.00
4276.00	0.90	258.50	5.09	-14.77	4275.79	-15.62	0.23
4296.00	0.40	172.20	4.99	-14.91	4295.79	-15.72	4.81
4329.00	1.80	123.20	4.59	-14.46	4328.79	-15.17	4.75
4360.00	3.10	115.30	3.98	-13.30	4359.76	-13.86	4.32
4391.00	4.20	111.70	3.18	-11.49	4390.69	-11.90	3.62
4422.00	4.90	111.80	2.27	-9.20	4421.59	-9.44	2.26
4453.00	5.60	110.50	1.25	-6.56	4452.46	-6.61	2.29
4484.00	5.70	112.70	0.13	-3.72	4483.31	-3.56	0.77
4515.00	6.40	109.40	-1.04	-0.67	4514.14	-0.30	2.52
4546.00	7.20	109.30	-2.26	2.79	4544.92	3.38	2.58
4578.00	7.90	106.50	-3.54	6.80	4576.65	7.58	2.47
4608.00	8.90	103.00	-4.65	11.03	4606.32	11.95	3.74
4639.00	9.90	105.10	-5.88	15.94	4636.91	16.99	3.41
4670.00	10.40	105.40	-7.32	21.21	4667.42	22.44	1.62
4701.00	11.30	104.40	-8.82	26.85	4697.87	28.26	2.97
4732.00	12.30	105.60	-10.46	32.98	4728.21	34.59	3.32
4764.00	13.30	105.20	-12.35	39.81	4759.42	41.66	3.14
4795.00	13.60	106.20	-14.30	46.75	4789.57	48.86	1.22
4826.00	13.80	105.40	-16.30	53.82	4819.68	56.19	0.89
4888.00	14.50	105.10	-20.28	68.44	4879.80	71.32	1.14
4950.00	14.60	107.10	-24.60	83.40	4939.81	86.87	0.83
5042.00	13.90	107.80	-31.39	105.01	5028.98	109.51	0.78
5135.00	14.40	107.50	-36.28	126.67	5119.16	132.24	0.54
5226.00	14.40	109.80	-45.68	148.58	5209.24	155.36	0.62
5321.00	13.50	112.60	-53.77	169.48	5299.50	177.76	1.21
5415.00	14.10	113.70	-62.58	190.10	5390.78	200.12	0.70
5508.00	14.90	110.10	-71.25	211.70	5480.82	223.36	1.30
5601.00	13.50	109.30	-78.94	233.17	5570.98	246.17	1.52
5693.00	13.30	110.80	-86.25	253.20	5660.47	267.49	0.44
5787.00	10.80	113.10	-93.55	271.41	5752.40	287.08	2.71
5881.00	10.20	112.00	-100.12	287.23	5844.82	304.18	0.67
5974.00	9.30	103.10	-104.91	302.19	5936.48	319.88	1.88
6068.00	8.40	106.20	-108.55	316.18	6029.36	334.29	1.08
6162.00	6.00	108.00	-111.98	327.44	6122.62	346.06	2.56