

WELL PLAN PROPOSAL
INTERNATIONAL DIRECTIONAL CONSULTANTS

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COMPANY : BUCKHORN PETROLEUM
WELL NAME: CALIF. FED. #4-24
AREA : 87 W RT COUNTY RD.
INPUT BY : RAH
DATE : 02/08/82

TVD @ KOP: 1000.00
MD @ KOP: 1000.00
ANGLE @ KOP: 0.00
LATTITUDE: 0.00
DEPARTURE: 0.00

TARGET TVD: 8000
DEV. @ TAR.: 1501.96
BUILD RATE: 3
DIRECTION: 19.36
DROP RATE: 2
FINAL ANGLE: 0

LENGTH OF BUILD 436.85
LENGTH OF DROP 655.27
LENGTH OF STRAIGHT SECTION 6075.62
LENGTH OF FINAL SECTION 2500.00
TOTAL LENGTH OF HOLE 9667.74
MAXIMUM INCLINATION 13.11

MEAS. DEP.	INCL.	TVD	VER. SECT.	N-S	E-W	COMMENTS
1000.00	0.00	1000.00	0.00	0.00	0.00	KICK OFF
1100.00	3.00	1099.95	2.62	2.47	0.87	
1200.00	6.00	1199.63	10.46	9.87	3.47	
1300.00	9.00	1298.77	23.51	22.18	7.80	
1400.00	12.00	1397.08	41.74	39.37	13.84	
1436.85	13.11	1433.05	49.74	46.93	16.49	END OF BUILD
1500.00	13.11	1494.56	64.06	60.44	21.24	
1600.00	13.11	1591.95	86.74	81.83	28.76	
1700.00	13.11	1689.35	109.41	103.22	36.28	
1800.00	13.11	1786.74	132.09	124.61	43.80	
1900.00	13.11	1884.14	154.76	146.01	51.31	
2000.00	13.11	1981.53	177.43	167.40	58.83	
2100.00	13.11	2078.93	200.11	188.79	66.35	
2200.00	13.11	2176.32	222.78	210.18	73.87	
2300.00	13.11	2273.72	245.46	231.57	81.39	
2400.00	13.11	2371.12	268.13	252.96	88.90	
2500.00	13.11	2468.51	290.81	274.36	96.42	
2600.00	13.11	2565.91	313.48	295.75	103.94	
2700.00	13.11	2663.30	336.15	317.14	111.46	
2800.00	13.11	2760.70	358.83	338.53	118.98	



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MEAS. DEP.	INCL.	TVD	VER. SECT.	N-S	E-W	COMMENTS
2900.00	13.11	2858.09	381.50	359.92	126.49	
3000.00	13.11	2955.49	404.18	381.31	134.01	
3100.00	13.11	3052.88	426.85	402.71	141.53	
3200.00	13.11	3150.28	449.53	424.10	149.05	
3300.00	13.11	3247.67	472.20	445.49	156.57	
3400.00	13.11	3345.07	494.87	466.88	164.08	
3500.00	13.11	3442.47	517.55	488.27	171.60	
3600.00	13.11	3539.86	540.22	509.66	179.12	
3700.00	13.11	3637.26	562.90	531.06	186.64	
3800.00	13.11	3734.65	585.57	552.45	194.16	
3900.00	13.11	3832.05	608.25	573.84	201.67	
4000.00	13.11	3929.44	630.92	595.23	209.19	
4100.00	13.11	4026.84	653.59	616.62	216.71	
4200.00	13.11	4124.23	676.27	638.01	224.23	
4300.00	13.11	4221.63	698.94	659.41	231.75	
4400.00	13.11	4319.02	721.62	680.80	239.26	
4500.00	13.11	4416.42	744.29	702.19	246.78	
4600.00	13.11	4513.82	766.97	723.58	254.30	
4700.00	13.11	4611.21	789.64	744.97	261.82	
4800.00	13.11	4708.61	812.31	766.36	269.34	
4900.00	13.11	4806.00	834.99	787.76	276.85	
5000.00	13.11	4903.40	857.66	809.15	284.37	
5100.00	13.11	5000.79	880.34	830.54	291.89	
5200.00	13.11	5098.19	903.01	851.93	299.41	
5300.00	13.11	5195.58	925.69	873.32	306.93	
5400.00	13.11	5292.98	948.36	894.71	314.44	
5500.00	13.11	5390.37	971.03	916.11	321.96	
5600.00	13.11	5487.77	993.71	937.50	329.48	
5700.00	13.11	5585.17	1016.38	958.89	337.00	
5800.00	13.11	5682.56	1039.06	980.28	344.52	
5900.00	13.11	5779.96	1061.73	1001.67	352.03	



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MEAS. DEP.	INCL.	TVD	VER. SECT.	N-S	E-W	COMMENTS
6000.00	13.11	5877.35	1084.41	1023.06	359.55	
6100.00	13.11	5974.75	1107.08	1044.46	367.07	
6200.00	13.11	6072.14	1129.75	1065.85	374.59	
6300.00	13.11	6169.54	1152.43	1087.24	382.11	
6400.00	13.11	6266.93	1175.10	1108.63	389.62	
6500.00	13.11	6364.33	1197.78	1130.02	397.14	
6600.00	13.11	6461.72	1220.45	1151.41	404.66	
6700.00	13.11	6559.12	1243.13	1172.81	412.18	
6800.00	13.11	6656.52	1265.80	1194.20	419.70	
6900.00	13.11	6753.91	1288.48	1215.59	427.21	
7000.00	13.11	6851.31	1311.15	1236.98	434.73	
7100.00	13.11	6948.70	1333.82	1258.37	442.25	
7200.00	13.11	7046.10	1356.50	1279.76	449.77	
7300.00	13.11	7143.49	1379.17	1301.16	457.29	
7400.00	13.11	7240.89	1401.85	1322.55	464.80	
7500.00	13.11	7338.28	1424.52	1343.94	472.32	
7512.47	13.11	7350.43	1427.35	1346.61	473.26	
7600.00	11.35	7435.97	1445.89	1364.10	479.41	START DROP
7700.00	9.35	7534.34	1463.86	1381.06	485.37	
7800.00	7.35	7633.27	1478.39	1394.76	490.18	
7900.00	5.35	7732.65	1489.46	1405.20	493.85	
8000.00	3.35	7832.36	1497.05	1412.37	496.37	
8100.00	1.35	7932.27	1501.16	1416.24	497.73	
8167.74	0.00	8000.00	1501.96	1417.00	498.00	TARGET
8200.00	0.00	8032.26	1501.96	1417.00	498.00	
8300.00	0.00	8132.26	1501.96	1417.00	498.00	
8400.00	0.00	8232.26	1501.96	1417.00	498.00	
8500.00	0.00	8332.26	1501.96	1417.00	498.00	
8600.00	0.00	8432.26	1501.96	1417.00	498.00	
8700.00	0.00	8532.26	1501.96	1417.00	498.00	
8800.00	0.00	8632.26	1501.96	1417.00	498.00	

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MEAS. DEP.	INCL.	TVD	VER. SECT.	N-S	E-W	COMMENTS
8900.00	0.00	8732.26	1501.96	1417.00	498.00	
9000.00	0.00	8832.26	1501.96	1417.00	498.00	
9100.00	0.00	8932.26	1501.96	1417.00	498.00	
9200.00	0.00	9032.26	1501.96	1417.00	498.00	
9300.00	0.00	9132.26	1501.96	1417.00	498.00	
9400.00	0.00	9232.26	1501.96	1417.00	498.00	
9500.00	0.00	9332.26	1501.96	1417.00	498.00	
9600.00	0.00	9432.26	1501.96	1417.00	498.00	
9700.00	0.00	9532.26	1501.96	1417.00	498.00	
9800.00	0.00	9632.26	1501.96	1417.00	498.00	
9900.00	0.00	9732.26	1501.96	1417.00	498.00	
10000.00	0.00	9832.26	1501.96	1417.00	498.00	
10100.00	0.00	9932.26	1501.96	1417.00	498.00	
10200.00	0.00	10032.26	1501.96	1417.00	498.00	
10300.00	0.00	10132.26	1501.96	1417.00	498.00	
10400.00	0.00	10232.26	1501.96	1417.00	498.00	
10500.00	0.00	10332.26	1501.96	1417.00	498.00	
10600.00	0.00	10432.26	1501.96	1417.00	498.00	
10667.74	0.00	10500.00	1501.96	1417.00	498.00	FINAL DEPTH



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