

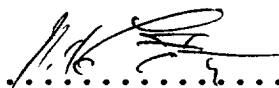
C/SF

D.I.G., INC.
MIDLAND, TEXAS

YATES PETROLEUM CORP.

Well Name : DIAMOND AKI FED. #2
Location : EDDY COUNTY, NEW MEXICO
:
:
Date Surveyed : 11-14-96
Job No. : G-3347, M-3372
Survey Performed By : JIM WILSON

This survey is correct to the best of my knowledge
and is supported by actual field data.

.......... COMPANY REPRESENTATIVE

D.I.G., INC.

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Date 11-14-96
Filename : DIAAKIF2

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Height Of WELLSITE Datum Above Field Datum 0.00 ft

No Interpolation

MD ft	INC deg	DIR deg	TVD ft	LAT ft	DEP ft	VS ft	D'LEG °/100
0	0.00	N 0.00°E	0.00	0.00	0.00	0.00	0.0
100	0.49	N53.49°E	100.00	0.25	0.34	0.06	0.5
200	0.61	N28.50°E	199.99	0.98	0.94	-0.02	0.3
300	0.96	N73.34°E	299.99	1.68	2.00	0.22	0.7
400	1.50	N70.86°E	399.96	2.35	4.04	1.19	0.5
500	1.75	N64.93°E	499.92	3.43	6.66	2.28	0.3
600	1.96	N65.92°E	599.87	4.77	9.60	3.41	0.2
700	2.00	N57.20°E	699.81	6.42	12.63	4.39	0.3
800	1.85	N52.08°E	799.75	8.36	15.37	4.96	0.2
900	1.87	N56.27°E	899.70	10.25	18.00	5.48	0.1
1000	1.50	N63.51°E	999.66	11.74	20.53	6.21	0.4
1100	1.63	N67.26°E	1099.62	12.88	23.01	7.17	0.2
1200	1.61	N76.90°E	1199.58	13.74	25.69	8.45	0.3
1300	1.64	N76.82°E	1299.54	14.39	28.45	9.94	0.0
1400	1.21	S88.44°E	1399.51	14.69	30.90	11.47	0.6
1500	0.83	S81.46°E	1499.49	14.55	32.67	12.81	0.4
1600	0.83	S84.25°E	1599.48	14.37	34.11	13.96	0.0
1700	0.78	S83.02°E	1699.47	14.21	35.51	15.06	0.1
1800	0.57	S66.31°E	1799.47	13.93	36.64	16.05	0.3
1900	0.73	S48.98°E	1899.46	13.31	37.57	17.15	0.3
2000	0.60	S45.46°E	1999.45	12.53	38.43	18.31	0.1
2100	0.55	S 7.37°E	2099.45	11.69	38.86	19.22	0.4
2200	0.60	S 3.93°W	2199.44	10.69	38.89	19.94	0.1
2300	0.56	S31.98°W	2299.44	9.75	38.59	20.39	0.3
2400	0.92	S44.73°W	2399.43	8.77	37.77	20.51	0.4
2500	0.73	S39.94°W	2499.42	7.71	36.80	20.57	0.2
2600	0.82	S25.65°W	2599.41	6.57	36.08	20.86	0.2
2700	0.75	S38.11°W	2699.40	5.41	35.36	21.18	0.2
2800	0.87	S60.82°W	2799.39	4.53	34.30	21.05	0.3
2900	1.14	S54.34°W	2899.38	3.58	32.82	20.68	0.3
3000	1.14	S62.83°W	2999.36	2.54	31.13	20.21	0.2
3100	1.28	S61.20°W	3099.33	1.55	29.27	19.60	0.1
3200	1.26	S52.94°W	3199.31	0.35	27.41	19.13	0.2
3300	1.59	S44.71°W	3299.28	-1.30	25.56	18.99	0.4
3400	1.66	S39.91°W	3399.24	-3.39	23.65	19.13	0.2

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 Filename : DIAAKIF2

Height Of WELLSITE Datum Above Field Datum 0.00 ft

No Interpolation

MD ft	INC deg	DIR deg	TVD ft	LAT ft	DEP ft	VS ft	D'LEG °/100
3500	1.33	S31.33°W	3499.20	-5.50	22.12	19.53	0.4
3600	1.12	S30.25°W	3599.18	-7.33	21.02	20.05	0.2
3700	0.81	S28.22°W	3699.17	-8.80	20.20	20.50	0.3
3800	0.88	S23.08°W	3799.16	-10.13	19.56	20.99	0.1
3900	0.78	S35.26°W	3899.15	-11.39	18.87	21.40	0.2
3974	0.89	N83.92°W	3973.14	-11.74	18.01	21.03	1.1
4026	0.75	N77.00°W	4025.13	-11.62	17.27	20.43	0.3
4119	1.00	N69.00°W	4118.12	-11.19	15.92	19.17	0.3
4212	1.00	S35.00°E	4211.12	-11.57	15.63	19.23	2.1
4305	3.00	S49.00°E	4304.06	-13.83	17.93	22.46	2.2
4398	5.75	S54.00°E	4396.78	-18.17	23.54	29.49	3.0
4491	7.50	S55.00°E	4489.15	-24.39	32.28	40.07	1.9
4584	9.75	S55.00°E	4581.09	-32.38	43.70	53.80	2.4
4677	10.50	S49.00°E	4672.65	-42.46	56.55	70.01	1.4
4770	12.50	S47.00°E	4763.78	-54.89	70.31	88.53	2.2
4863	15.00	S54.00°E	4854.11	-68.83	87.41	110.48	3.2
4956	18.50	S57.00°E	4943.15	-83.94	109.53	136.80	3.9
5049	18.75	S56.00°E	5031.28	-100.34	134.29	165.91	0.4
5142	20.00	S59.00°E	5119.02	-116.89	160.32	196.01	1.7
5235	22.00	S60.00°E	5205.83	-133.79	189.04	228.28	2.2
5328	23.00	S62.00°E	5291.76	-151.03	220.17	262.48	1.4
5421	23.00	S61.00°E	5377.36	-168.37	252.10	297.32	0.4
5514	23.25	S64.00°E	5462.89	-185.22	284.49	332.14	1.3
5607	23.75	S68.00°E	5548.19	-200.29	318.36	366.74	1.8
5700	23.00	S67.00°E	5633.55	-214.40	352.45	400.82	0.9
5793	21.00	S73.00°E	5719.79	-226.38	385.11	432.39	3.2
5886	19.75	S74.00°E	5806.97	-235.58	416.16	460.85	1.4
5979	16.50	S74.00°E	5895.34	-243.55	443.96	486.15	3.5
6072	16.00	S59.00°E	5984.67	-253.80	467.66	510.15	4.5
6165	17.25	S46.00°E	6073.81	-269.99	488.57	536.38	4.2
6258	17.00	S33.00°E	6162.72	-290.97	505.90	563.47	4.1
6351	14.50	S29.00°E	6252.22	-312.56	518.95	587.97	2.9
6444	13.00	S33.00°E	6342.56	-331.52	530.29	609.39	1.9
6537	13.75	S33.00°E	6433.03	-349.56	542.01	630.44	0.8
6630	15.00	S33.00°E	6523.12	-368.93	554.59	653.02	1.3

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6723	16.25	S32.00°E	6612.68	-390.06	568.04	677.47	1.4
6816	16.75	S35.00°E	6701.85	-412.07	582.62	703.35	1.1
6909	17.00	S39.00°E	6790.85	-433.61	598.86	730.07	1.3
7002	17.00	S44.00°E	6879.79	-453.96	616.86	757.18	1.6
7095	17.00	S43.00°E	6968.73	-473.68	635.58	784.36	0.3
7188	15.00	S42.00°E	7058.12	-492.57	652.90	809.97	2.2
7281	12.75	S19.00°E	7148.47	-511.23	664.31	831.23	6.4
7374	11.00	S 2.00°E	7239.50	-529.81	667.96	846.95	4.2
7467	9.50	S 2.00°W	7331.02	-546.35	668.00	858.68	1.8
7560	9.00	S 4.00°W	7422.81	-561.28	667.23	868.68	0.6
7653	8.50	S 2.00°W	7514.73	-575.40	666.48	878.14	0.6
7746	8.25	S 5.00°W	7606.73	-588.92	665.66	887.12	0.5
7807	8.25	S 8.00°W	7667.10	-597.61	664.67	892.57	0.7
7872	7.10	S 7.10°E	7731.53	-606.22	664.52	898.54	3.6
7934	4.70	S21.00°E	7793.20	-612.39	665.90	903.89	4.5
8063	2.50	S25.00°E	7921.94	-619.88	668.98	911.36	1.7
8100	2.50	S25.00°E	7958.90	-621.34	669.67	912.88	0.0

Origin of Bottom Hole Closure WELLSITE CENTRE
Bottom Hole Closure 914 ft 132.9°