

SCIENTIFIC DRILLING INTERNATIONAL

MIDLAND, TEXAS

30-025-2125

MATADOR PETROLEUM

Well Name	: MATADOR/VG KINAHAN FEDERAL #2	
Location	: CHAVES COUNTY, NEW MEXICO	
SHL	: 0 - 20-155-302	330/S + 2250/E
BHL	:	
ACTUAL BHL	:	348/S + 2146/E
Date Surveyed	: 10 JUNE 1994	
Job Number	: 32ER0594174	
Surveyor	: GARRY DESPAIN	

RECEIVED

JUN 21 1994

JOHN HODGES
OFFICE

BHL per PK 348/S + 2146/E

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

.....Garry Moody..... COMPANY REPRESENTATIVE

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Page 1 of 3
Date 10 JUNE 1994
Filename : KINAHAN2

SHL :
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Height Of WELLSITE Datum Above Field Datum 0.00 ft

No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
0.0	0.00	N 0.00°E	0.00	0.00	0.00	0.00	0.00
100.0	0.14	S25.10°W	100.00	-0.11	-0.05	0.00	0.14
200.0	0.25	S 6.67°E	200.00	-0.44	-0.08	-0.21	0.15
300.0	0.35	S 6.48°E	300.00	-0.96	-0.02	-0.32	0.10
400.0	0.69	S16.53°E	399.99	-1.84	0.19	-0.40	0.35
500.0	1.17	S 7.34°E	499.98	-3.43	0.49	-0.61	0.50
600.0	1.26	S 4.24°E	599.96	-5.54	0.70	-1.06	0.11
700.0	0.86	S 4.81°E	699.94	-7.38	0.84	-1.50	0.40
800.0	0.53	S 7.67°E	799.93	-8.59	0.97	-1.76	0.33
900.0	0.44	S68.50°E	899.93	-9.19	1.39	-1.55	0.50
1000.0	1.42	N59.06°E	999.92	-8.69	2.81	0.00	1.20
1100.0	2.00	N75.54°E	1099.87	-7.62	5.56	2.90	0.75
1200.0	2.50	N59.89°E	1199.80	-6.09	9.14	6.78	0.79
1300.0	2.54	N59.94°E	1299.70	-3.88	12.94	11.08	0.04
1400.0	1.90	N52.97°E	1399.62	-1.78	16.18	14.82	0.69
1500.0	1.60	N51.61°E	1499.58	0.09	18.60	17.70	0.30
1600.0	1.44	N48.78°E	1599.54	1.78	20.64	20.17	0.18
1700.0	1.21	N35.33°E	1699.52	3.47	22.20	22.17	0.39
1800.0	1.03	N36.18°E	1799.50	5.06	23.34	23.75	0.18
1900.0	0.87	N32.40°E	1899.48	6.43	24.27	25.07	0.17
2000.0	1.03	N39.03°E	1999.47	7.77	25.25	26.41	0.19
2100.0	0.94	N41.48°E	2099.45	9.08	26.36	27.87	0.10
2200.0	0.85	N27.75°E	2199.44	10.35	27.25	29.11	0.23
2300.0	0.75	N24.60°E	2299.43	11.60	27.86	30.09	0.11
2400.0	0.71	N29.08°E	2399.42	12.74	28.44	30.99	0.07
2500.0	0.65	N18.09°E	2499.42	13.82	28.91	31.78	0.14
2600.0	0.47	N 8.92°E	2599.41	14.76	29.15	32.31	0.20
2700.0	0.53	N41.79°W	2699.41	15.51	28.91	32.31	0.43
2800.0	0.59	N51.78°W	2799.40	16.18	28.20	31.84	0.11
2900.0	0.77	N47.78°W	2899.40	16.95	27.29	31.22	0.19
3000.0	0.78	N38.87°W	2999.39	17.93	26.37	30.65	0.12
3100.0	0.82	N49.36°W	3099.38	18.92	25.40	30.04	0.15
3200.0	0.82	N43.49°W	3199.37	19.91	24.36	29.36	0.08
3300.0	0.90	N45.80°W	3299.36	20.98	23.31	28.69	0.09
3400.0	0.69	N61.46°W	3399.35	21.81	22.22	27.92	0.30
3500.0	0.73	N55.64°W	3499.34	22.46	21.16	27.12	0.08
3600.0	0.64	N53.93°W	3599.33	23.15	20.18	26.40	0.09
3700.0	0.60	N56.03°W	3699.33	23.77	19.30	25.75	0.04
3800.0	0.74	N65.93°W	3799.32	24.32	18.27	24.96	0.18
3900.0	1.00	S86.53°W	3899.31	24.53	16.81	23.63	0.48

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Height Of WELLSITE Datum Above Field Datum 0.00 ft No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
4000.0	1.04	N87.72°W	3999.29	24.52	15.04	21.94	0.11
4100.0	1.13	S81.35°W	4099.27	24.41	13.15	20.12	0.23
4200.0	0.91	S67.86°W	4199.26	23.96	11.44	18.35	0.32
4300.0	0.94	S68.83°W	4299.25	23.36	9.94	16.74	0.03
4400.0	1.12	S68.38°W	4399.23	22.71	8.27	14.95	0.18
4500.0	1.04	S63.68°W	4499.21	21.94	6.55	13.07	0.12
4600.0	0.95	S63.82°W	4599.20	21.18	4.99	11.35	0.09
4700.0	0.65	S45.23°W	4699.19	20.41	3.84	10.02	0.39
4800.0	0.61	S59.00°W	4799.18	19.74	2.99	9.00	0.16
4900.0	0.50	S45.25°W	4899.18	19.16	2.22	8.09	0.17
5000.0	0.46	S57.17°W	4999.17	18.63	1.57	7.31	0.11
5100.0	0.46	S35.31°W	5099.17	18.09	1.00	6.60	0.17
5200.0	0.26	S59.30°W	5199.17	17.64	0.58	6.05	0.25
5300.0	0.28	S40.17°W	5299.17	17.34	0.22	5.62	0.09
5400.0	0.13	S56.64°W	5399.17	17.09	-0.03	5.31	0.16
5500.0	0.13	S50.28°W	5499.17	16.96	-0.21	5.09	0.02
5600.0	0.24	S36.34°W	5599.17	16.71	-0.42	4.82	0.12
5700.0	0.31	S46.84°W	5699.17	16.36	-0.74	4.40	0.09
5800.0	0.21	S25.45°W	5799.16	16.01	-1.02	4.03	0.14
5900.0	0.41	S80.67°W	5899.16	15.79	-1.45	3.55	0.34
6000.0	0.57	N77.21°W	5999.16	15.84	-2.29	2.77	0.24
6100.0	0.37	N59.49°W	6099.15	16.11	-3.05	2.13	0.24
6200.0	0.59	N59.84°W	6199.15	16.54	-3.78	1.57	0.22
6300.0	0.48	N36.46°W	6299.15	17.13	-4.47	1.10	0.24
6400.0	0.41	N70.81°E	6399.15	17.59	-4.38	1.33	0.72
6500.0	0.82	S74.54°E	6499.14	17.51	-3.35	2.28	0.54
6600.0	0.98	S75.93°E	6599.13	17.11	-1.84	3.60	0.16
6700.0	1.19	S76.29°E	6699.11	16.66	0.00	5.20	0.21
6800.0	1.30	S64.64°E	6799.09	15.93	2.04	6.91	0.28
6900.0	2.56	S63.98°E	6899.03	14.46	5.07	9.33	1.26
7000.0	2.81	S65.59°E	6998.92	12.47	9.31	12.74	0.26
7100.0	3.08	S70.41°E	7098.79	10.56	14.07	16.66	0.37
7200.0	3.49	S66.51°E	7198.62	8.44	19.39	21.06	0.47
7300.0	3.34	S65.72°E	7298.44	6.03	24.84	25.48	0.16
7400.0	2.88	S65.71°E	7398.30	3.80	29.79	29.48	0.46
7500.0	2.32	S65.68°E	7498.19	1.93	33.92	32.83	0.56
7600.0	2.06	S64.83°E	7598.12	0.33	37.39	35.63	0.26
7700.0	1.80	S67.42°E	7698.06	-1.03	40.47	38.12	0.27
7800.0	1.68	S67.77°E	7798.02	-2.19	43.28	40.43	0.12
7900.0	1.57	S66.57°E	7897.98	-3.29	45.89	42.57	0.12

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 Filename : KINAHAN2

ACTUAL BHL :

Height Of WELLSITE Datum Above Field Datum 0.00 ft

No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
8000.0	1.31	S60.32°E	7997.94	-4.40	48.14	44.36	0.30
8100.0	1.11	S55.01°E	8097.92	-5.52	49.93	45.71	0.23
8200.0	0.78	S41.80°E	8197.91	-6.59	51.17	46.56	0.39
8300.0	0.63	S25.74°E	8297.90	-7.59	51.87	46.90	0.25
8400.0	0.62	S21.44°E	8397.90	-8.59	52.30	47.01	0.05
8500.0	0.35	S 8.55°E	8497.89	-9.39	52.55	46.99	0.29
8600.0	0.49	S 4.65°E	8597.89	-10.12	52.63	46.84	0.14
8611.0	0.46	S 2.16°W	8608.89	-10.21	52.63	46.81	0.57
8950.0	1.25	S49.00°W	8947.85	-14.00	49.79	42.93	0.29
9199.0	1.25	S74.00°W	9196.79	-16.53	45.12	37.71	0.22
9449.0	1.25	S40.00°W	9446.74	-19.37	40.75	32.67	0.29
9700.0	2.00	S30.00°W	9697.64	-25.26	36.80	27.08	0.32
9983.0	1.00	S25.00°W	9980.54	-31.77	33.29	21.71	0.36
10226.0	2.00	N22.00°W	10223.49	-29.76	30.80	19.97	1.14
10300.0	3.10	N14.00°W	10297.42	-26.62	29.84	20.03	1.56
10357.0	4.50	N10.00°W	10354.29	-22.93	29.07	20.46	2.50
10431.0	4.25	N 8.00°W	10428.07	-17.35	28.19	21.36	0.40
10533.0	3.75	N10.00°E	10529.83	-10.32	28.24	23.61	1.32
10626.0	4.25	N48.00°E	10622.62	-5.02	31.33	28.20	2.84
10658.0	4.50	N45.00°E	10654.52	-3.34	33.10	30.40	1.06
10750.0	5.25	N50.00°E	10746.19	1.92	38.88	37.53	0.94
10874.0	5.25	N45.00°E	10869.67	9.57	47.23	47.86	0.37
11002.0	4.50	N35.00°E	10997.21	17.83	54.25	57.11	0.88

Origin of Bottom Hole Closure WELLSITE CENTRE
 Bottom Hole Closure 57 ft 71.8°

SCIENTIFIC DRILLING INTERNATIONAL
FOR
BATADER PETROLEUM
KINAHAN FEDERAL 22
IN
CHAVES COUNTY, TEXAS

