

SCIENTIFIC DRILLING INTERNATIONAL

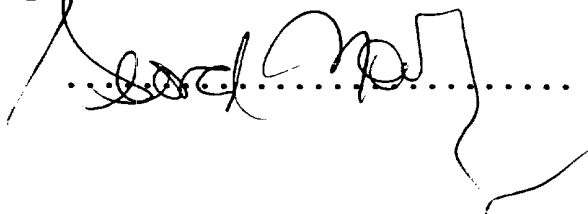
MIDLAND, TEXAS

CHESAPEAKE OPERATING

Well Name : CHESAPEAKE/SHAW 15 #1 #2 Unit G
 Location : LEA COUNTY, NEW MEXICO 15-17s-37e
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 : 2100/N + 2310/E
 Date Surveyed : 11-17-96 30-025-33178
 : 32ER1195485
 Survey Performed By : SINGLE SHOT SURVEYS TAKEN BY RIG CREWS

BHL: 1933/N + 2310/E
 G-15-17s-37e

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

 COMPANY REPRESENTATIVE

SCIENTIFIC DRILLING INTERNATIONAL

Company : CHESAPEAKE OPERATING
 Well Name : CHESAPEAKE/SHAW 15 #1
 Location : LEA COUNTY, NEW MEXICO

Page 1 of 2
 Date 11-17-96
 Filename : SHAW15#1

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 :
 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	0.0
459.0	0.25	N 0.00°E	459.00	1.00	0.00	1.00	0.1
806.0	0.75	N41.00°W	805.98	3.47	-1.49	3.47	0.2
1069.0	0.75	N75.00°W	1068.96	5.22	-4.28	5.22	0.2
1347.0	0.75	N71.00°W	1346.94	6.28	-7.76	6.29	0.0
1565.0	0.50	S60.00°W	1564.93	6.27	-9.93	6.28	0.3
2145.0	0.75	S39.00°W	2144.89	2.05	-14.51	2.07	0.1
2427.0	0.50	S18.00°W	2426.88	-0.55	-16.05	-0.53	0.1
2925.0	0.50	N52.00°E	2924.87	-1.28	-15.01	-1.26	0.2
3422.0	1.25	N59.00°E	3421.81	2.85	-8.66	2.86	0.2
3726.0	1.25	N69.00°E	3725.74	5.74	-2.72	5.75	0.1
3902.0	1.25	N64.00°E	3901.70	7.27	0.80	7.27	0.1
4421.0	1.00	N74.00°E	4420.60	11.00	10.24	10.99	0.1
4974.0	0.50	N89.00°E	4973.55	12.38	17.29	12.35	0.1
5468.0	0.50	S17.00°E	5467.53	10.35	20.08	10.33	0.1
5966.0	0.25	N47.00°E	5965.53	9.01	21.51	8.99	0.1
6491.0	1.00	N13.00°W	6490.49	14.26	21.31	14.23	0.2
6739.0	0.25	N60.00°W	6738.48	16.64	20.36	16.61	0.3
7236.0	0.50	N31.00°W	7235.47	19.04	18.30	19.02	0.1
7487.0	0.50	N35.00°W	7486.46	20.88	17.11	20.85	0.0
7737.0	1.25	N21.00°W	7736.43	24.32	15.51	24.30	0.3
7857.0	1.75	N 1.00°W	7856.39	27.37	15.00	27.35	0.6
7962.0	1.25	N14.00°W	7961.35	30.08	14.70	30.07	0.6
8136.0	2.50	N 4.00°E	8135.25	35.71	14.51	35.69	0.8
8262.0	2.75	N 9.00°E	8261.12	41.44	15.17	41.42	0.3
8387.0	2.50	N 9.00°E	8385.99	47.09	16.07	47.07	0.2
8633.0	2.75	N10.00°W	8631.74	58.20	15.88	58.18	0.4
8945.0	2.75	N 8.00°W	8943.38	72.99	13.54	72.97	0.0
9253.0	3.50	N 4.00°W	9250.92	89.68	11.85	89.67	0.3
9317.0	3.50	N 6.00°W	9314.80	93.57	11.51	93.56	0.2
9442.0	3.25	N 9.00°W	9439.58	100.87	10.56	100.85	0.2
9567.0	3.00	N 9.00°W	9564.40	107.60	9.49	107.59	0.2
9909.0	2.75	N 3.50°W	9905.97	124.63	7.59	124.62	0.1
10220.0	2.00	N14.00°E	10216.70	137.34	8.45	137.33	0.3
10462.0	1.50	N 8.00°W	10458.59	144.57	9.03	144.56	0.3
10681.0	1.00	N11.00°E	10677.54	149.29	9.00	149.28	0.3
10930.0	0.50	N12.00°E	10926.52	152.48	9.64	152.47	0.2
11209.0	1.50	N26.00°W	11205.47	156.96	8.29	156.95	0.4
11683.0	1.75	N53.00°W	11679.29	166.89	-0.21	166.89	0.2

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Well Name : CHESAPEAKE/SHAW 15 #1
Location : LEA COUNTY, NEW MEXICO

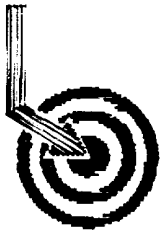
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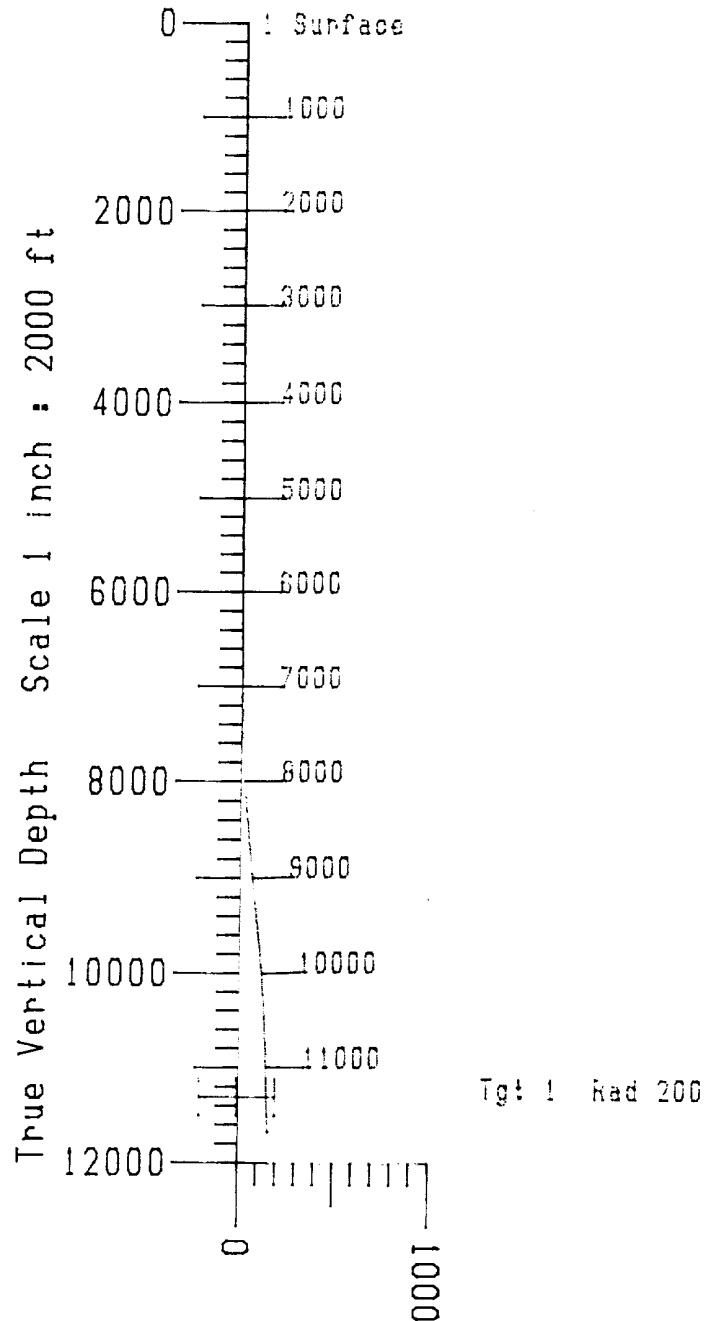
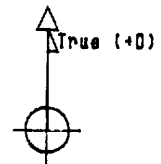
No Interpolation

Origin of Bottom Hole Closure WELLSITE CENTRE
Bottom Hole Closure 167 ft N 0.07°W

SINGLE SHOT SURVEYS TAKEN BY THE RIG CREWS



SCIENTIFIC DRILLING INTERNATIONAL
FOR
CHESAPEAKE OPERATING
SHAW 15 #1
IN
LEA COUNTY, NEW MEXICO



Vertical Section Scale 1 inch = 1000 ft

