

SCIENTIFIC DRILLING INTERNATIONAL

MIDLAND, TEXAS

SHELL WESTERN E.& P.

Well Name : NORTH HOBBS UNIT #28-332
Location : LEA COUNTY, NEW MEXICO
SHL :
BHL :
ACTUAL BHL :
Date Surveyed : 30 NOVEMBER 1993
Job Number : 32G1193340/32M1193354
Survey Performed By : G. HENDRIX/J. WILSON

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

....*George Moody*.... COMPANY REPRESENTATIVE

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Page 1 of 2
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 Filename : 28332NHU

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BHL :

ACTUAL BHL :

No Interpolation

Height Of WELLSITE Datum Above Field Datum 0.00 ft

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
100.0	0.39	N51.13°W	100.00	0.21	-0.26	-0.24	0.4
200.0	0.82	S89.00°W	199.99	0.41	-1.25	-0.56	0.6
300.0	0.52	N61.01°W	299.99	0.62	-2.36	-0.90	0.5
400.0	0.54	N76.17°W	399.98	0.95	-3.21	-1.34	0.1
500.0	0.37	N85.70°W	499.98	1.09	-3.99	-1.57	0.2
600.0	0.18	S41.08°W	599.98	1.00	-4.42	-1.52	0.3
700.0	0.21	S79.19°W	699.98	0.84	-4.70	-1.41	0.1
800.0	0.29	S 1.44°W	799.98	0.56	-4.89	-1.14	0.3
900.0	0.34	S70.88°W	899.98	0.21	-5.17	-0.83	0.4
1000.0	0.06	N40.97°W	999.98	0.15	-5.49	-0.81	0.3
1100.0	0.17	S67.94°W	1099.97	0.13	-5.66	-0.82	0.2
1200.0	0.41	S52.89°W	1199.97	-0.14	-6.08	-0.60	0.2
1300.0	0.43	N86.47°W	1299.97	-0.33	-6.74	-0.49	0.3
1400.0	0.48	S75.05°W	1399.97	-0.42	-7.52	-0.50	0.2
1500.0	0.17	S52.86°W	1499.97	-0.61	-8.04	-0.36	0.3
1570.0	0.38	S75.74°W	1569.97	-0.73	-8.35	-0.28	0.3
1650.0	0.84	S73.65°W	1649.96	-0.96	-9.17	-0.15	0.6
1742.0	0.46	S47.37°W	1741.95	-1.40	-10.09	0.17	0.5
1834.0	0.46	S34.40°W	1833.95	-1.96	-10.57	0.67	0.1
1926.0	0.82	S72.88°W	1925.95	-2.46	-11.41	1.06	0.6
2018.0	0.76	S68.57°W	2017.94	-2.87	-12.61	1.33	0.1
2110.0	1.95	S41.88°E	2109.92	-4.26	-12.13	2.76	2.5
2202.0	5.63	S60.01°E	2201.71	-7.68	-7.17	6.76	4.2
2294.0	7.22	S52.29°E	2293.13	-13.48	1.31	13.54	2.0
2386.0	8.65	S34.64°E	2384.26	-22.71	9.82	23.73	3.1
2478.0	10.68	S23.53°E	2474.95	-36.22	17.15	38.03	3.0
2570.0	11.54	S 8.39°E	2565.25	-53.14	21.90	55.40	3.3
2662.0	13.45	S 3.73°E	2655.07	-72.92	23.94	75.29	2.3
2754.0	13.62	S 3.14°E	2744.51	-94.42	25.23	96.78	0.2
2846.0	13.79	S 1.77°E	2833.89	-116.19	26.16	118.50	0.4
2938.0	13.65	S 3.59°E	2923.27	-137.99	27.18	140.26	0.5
3030.0	13.99	S 2.15°E	3012.61	-159.93	28.28	162.18	0.5
3122.0	13.57	S 0.84°E	3101.96	-181.84	28.85	183.99	0.6
3214.0	13.91	S 0.22°W	3191.32	-203.69	28.97	205.70	0.5
3306.0	13.78	S 2.11°W	3280.65	-225.70	28.52	227.49	0.5
3398.0	13.20	S 3.25°W	3370.11	-247.13	27.52	248.65	0.7
3490.0	13.17	S 1.28°W	3459.69	-268.10	26.69	269.36	0.5
3582.0	12.54	S 5.97°W	3549.39	-288.51	25.42	289.47	1.3
3674.0	12.29	S 5.71°W	3639.23	-308.19	23.41	308.76	0.3

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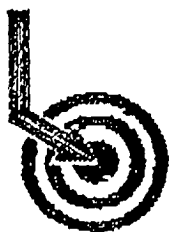
No Interpolation

Height Of WELLSITE Datum Above Field Datum 0.00 ft

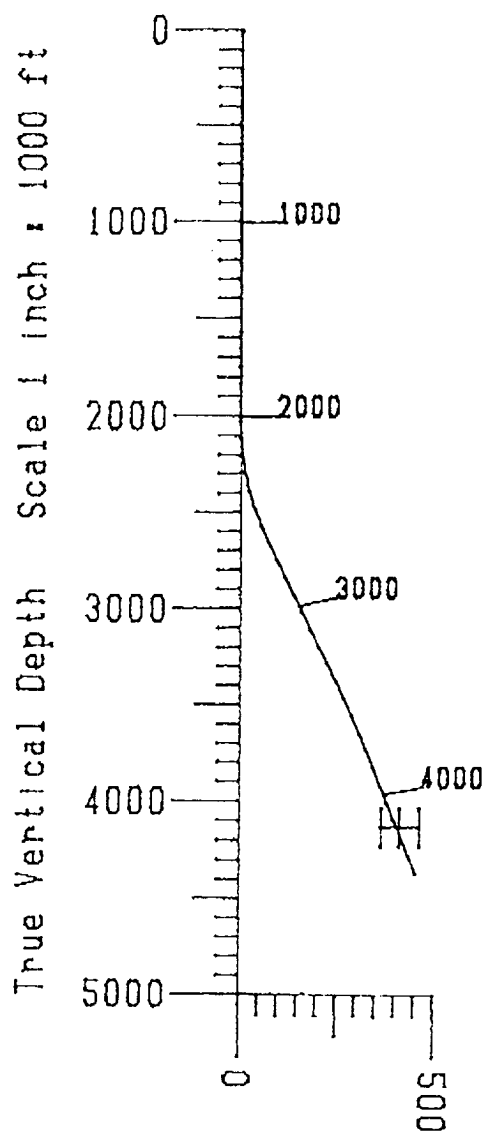
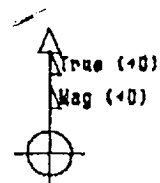
MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
3766.0	11.66	S 4.42°W	3729.23	-327.20	21.72	327.42	0.7
3858.0	11.15	S 6.63°W	3819.42	-345.31	19.97	345.19	0.7
3950.0	11.35	S 10.02°W	3909.65	-363.06	17.37	362.49	0.8
4042.0	11.48	S 6.50°W	3999.83	-381.07	14.76	380.05	0.8
4134.0	11.87	S 8.71°W	4089.93	-399.52	12.29	398.07	0.6
4226.0	12.06	S 6.93°W	4179.93	-418.41	9.70	416.51	0.5
4318.0	12.17	S 6.98°W	4269.88	-437.58	7.36	435.25	0.1
4410.0	12.64	S 9.63°W	4359.73	-457.13	4.50	454.31	0.8
4455.0	13.0		4401	-481.00	16.00	480.00	0.5

Origin of Bottom Hole Closure WELLSITE CENTRE
Bottom Hole Closure 457 ft 179.4°

SRG 0'-1570' BY G. HENDRIX
MULTI-SHOT 1650'-4410' BY J. WILSON



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FOR
SHELL WESTERN E & P
NORTH HOBBS UNIT #28-332
IN
LEA COUNTY, NEW MEXICO



Tgt 1 Rad 50

Vertical Section Scale 1 inch = 500 ft