

A

Northwest

A'

Southeast

MESA GRANDE RESOURCES
Gavilan-Howard # 1



1850' FNL, 1650' FWL
Sec. 23, T25N, R2W
KB 7294'

E. ALEX PHILLIPS
Gavilan # 2



1828' FSL, 1548' FEL
Sec. 26, T25N, R2W
KB 7416'

SOUTHLAND ROYALTY CO.
Hill Federal # 2Y



1710' FNL, 1760' FEL
Sec. 26, T25N, R2W
KB 7467'

< 5,400 ft. >

< 8,000 ft. >

Datum: Top MESAVERDE

CLIFF HOUSE

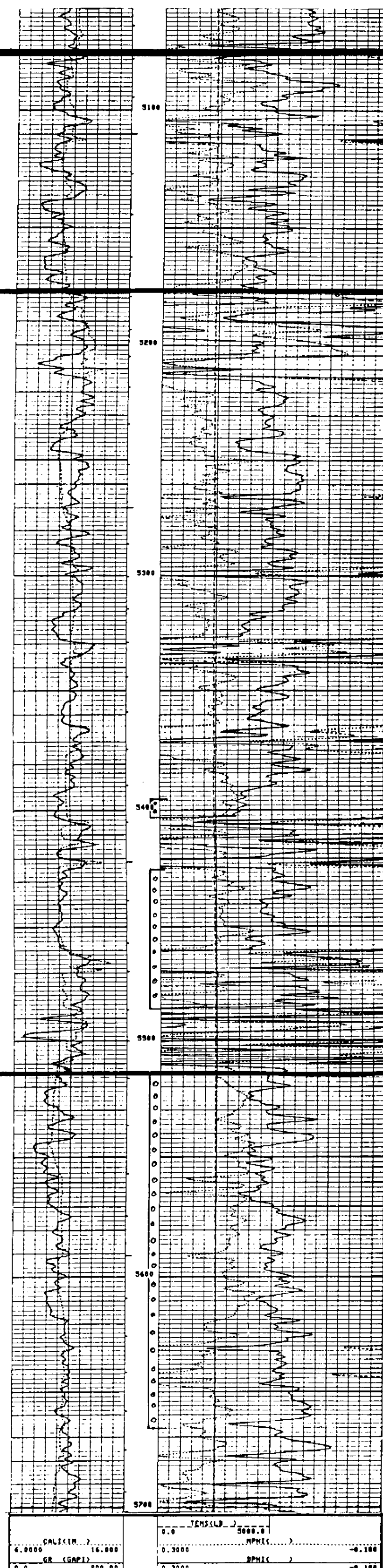
MENELEE

PT. LOOKOUT

CLIFF HOUSE

MENELEE

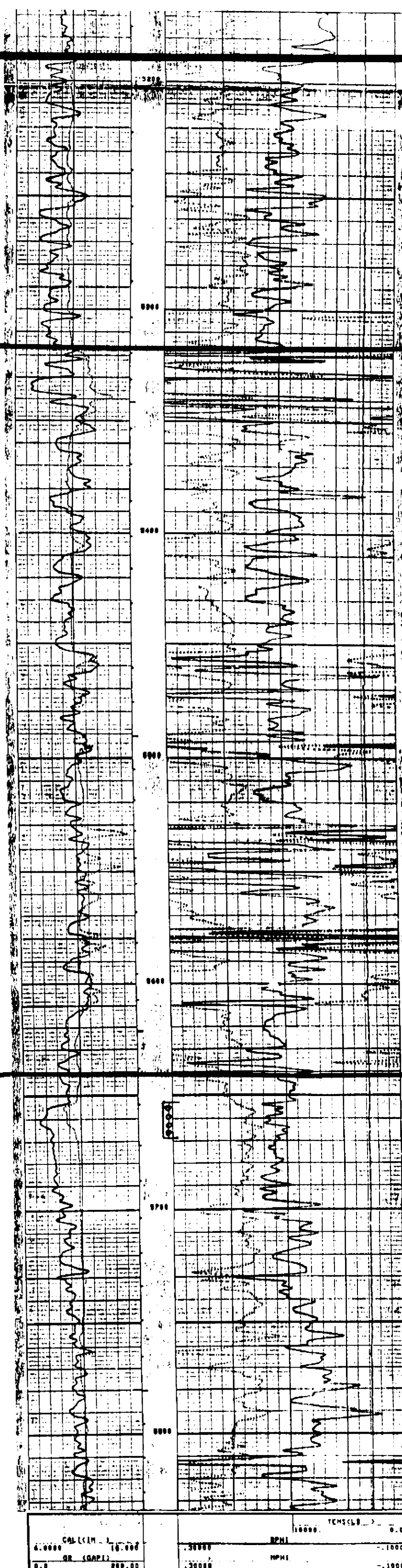
PT. LOOKOUT



Perf MESAVERDE
at 5395' to 5594'
Frac w/ 290,000 gal wtr & 121,000 # sd.
IPF: 90 MCFPD, 5 BOPD, 133 BWPD

MESAVERDE CUMULATIVE PRODUCTION
1992 thru 1993; Inactive since 1994
0.5 MMCFG
0.02 MBO
0.2 MBW
Current Daily Rate: 0 MCFPD & 0 BOPD

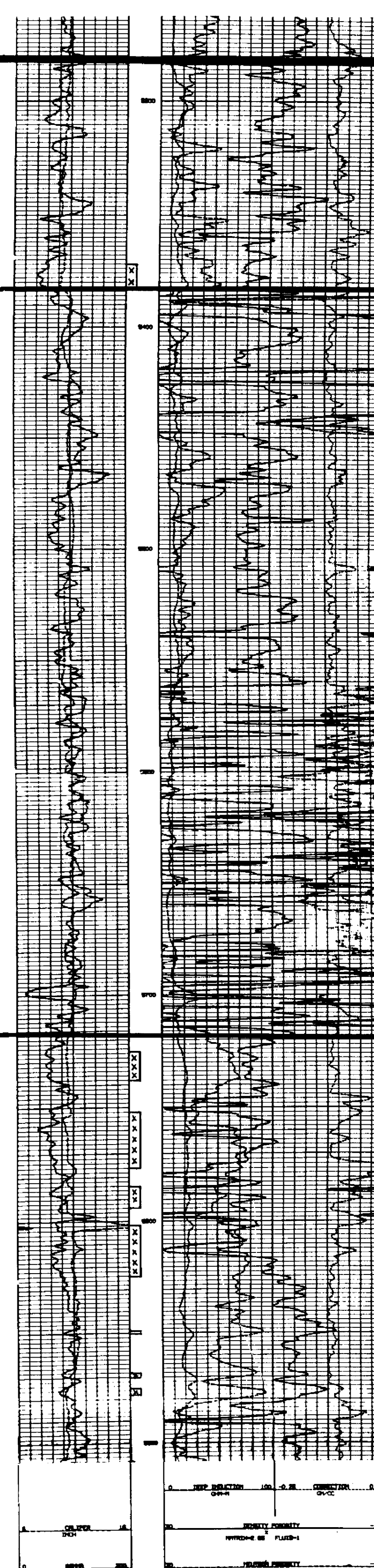
MANCOS - GRNHN - DAKOTA CUMULATIVE PRODUCTION
1984 thru 1993; Inactive since 1994
1,429 MMCFG
104.1 MBO
3.4 MBW
Current Daily Rate: 0 MCFPD & 0 BOPD



Perf MESAVERDE
at 5653' to 5668'
Frac w/ 87,111 gal wtr & 82,500 # sd.
IPF: 600 MCFPD

MESAVERDE CUMULATIVE PRODUCTION
1992 thru 1995
50.2 MMCFG
0.4 MBO
36.3 MBW
Current Daily Rate: 5 MCFPD & 0 BOPD

MANCOS - GRNHN - DAKOTA CUMULATIVE PRODUCTION
1984 thru 1995
90.3 MMCFG
2.5 MBO
0.4 MBW
Current Daily Rate: 0 MCFPD & 0 BOPD



MANCOS CUMULATIVE PRODUCTION
1985 thru 1993; Inactive since 1994
230.8 MMCFG
31.7 MBO
1.9 MBW
Current Daily Rate: 0 MCFPD & 0 BOPD

LEGEND

Existing Perforations

Proposed Perforations

SOUTHLAND ROYALTY CO.
Farmington Region

Hill Federal # 2Y Prospect

STRATIGRAPHIC CROSS-SECTION A - A'

Mesaverde Formation
Sec. 25, T. 25N., R. 2W.

Scale: 2.5" = 100' (V) & 1" = 2000' (H)
B.B. Hobbs 12/85