

A

MESA GRANDE RESOURCES, INC.
HELLCAT FEDERAL NO.1
1700' FNL, 1850' FWL
SEC. 22, T. 25 N., R. 2 W.
K.B. 7228'

READING & BATES
HOWARD FEDERAL NO.43-15
1650' FSL, 790' FEL
SEC. 15, T. 25 N., R. 2 W.
K.B. 7261'

MESA GRANDE RESOURCES, INC.
CRUSADER FEDERAL NO.1
790' FNL, 1650' FWL
SEC. 14, T. 25 N., R. 2 W.

MALLON OIL CO.
JOHNSON FEDERAL NO.12-5
1650' FNL, 960' FWL
SEC. 12, T. 25 N., R. 2 W.
K.B. 7430'

MALLON OIL CO.
HOWARD FEDERAL NO. 1-11
1850' FSL, 1650' FWL
SEC. 1, T. 25 N., R. 2 W.
K.B. 7556'

A'

4300'

3800'

6200'

3700'

UPPER CRETACEOUS

LOWER CRETACEOUS

JURASSIC

UPPER MANCOS

NIOBRARA

LOWER CARLILE SANOSTEE

GREENHORN

GRANEROS

DAKOTA

MORRISON

TOP NIOBRARA "A" ZONE

TOP NIOBRARA "B" ZONE

TOP NIOBRARA "C" ZONE

SEA LEVEL

COMPLETION DATE: 10-19-85
IPP 149BOPD + 200 MCFGPD
CUM. PROD. TO 10-1-87:
8,492 BO & 59,136 MCFG
Dakota Currently being Tested

COMPLETION DATE: 3-4-86
IPP 99BOPD + 225 MCFD + 1 BWPD (Gavilan Mancos)
IPF 53BOPD + 1782 MCFD + 16 BWPD (Gavilan Greenhorn-Graneros-Dakota)
CUM. PROD. TO 10-1-87: 3,348 BO & 49,567 MCFG (Gavilan Mancos)
1,263 BO & 113,531 MCFG (Gavilan Greenhorn-Graneros-Dakota)

COMPLETION DATE: 10-24-85
IPP 19 BOPD (Gavilan Mancos)
CUM. PROD. TO 10-1-87: 25,899 BO &
117,867 BO

COMPLETION DATE: 11-7-85
IPF 43 BOPD + 101 BWPD (Gavilan Mancos)
CUM. PROD. TO 10-1-87: 143,343 BO & 314,439 MCFG

HORZ. SCALE: 1" = 1000'
VERT. SCALE: 1" = 100'

MESA GRANDE RESOURCES, INC.
RIO ARriba COUNTY, NEW MEXICO
STRUCTURAL CROSS-SECTION A-A'

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION
CASE NO. 9257
EXHIBIT 5
GEOLOGY BY: A.P. Emmendorfer / C. Orban

DATE: Nov., 1987