

MALLON OIL COMPANY

ENGINEERING CHART

SHEET NO.

OF

FILE

APPN

DATE 4-12-00

BY mab

SUBJECT Allied 21, Federal #1

Current down hole diagram

Elevation = 3339' CL

13 3/8" casing at 375' (350 sx - circulated)

Top of Salt section at 908'

Base of salt at 1348'

TOC at 1560' (calculated) 4 1/2"

Delaware Formation top at 1664'

TOC at 3140' (TS) 9 5/8"

Bone Springs Formation top at 5147'

Squeeze ports at 5200' (500 sx; Calculated CT at 1560')

9 5/8" casing at 5240' (810 sx - TOC at 3140')

ILLEGIBLE

Wolfcamp Formation top at 8310'

Strawn Formation top at 10,080'

TOC at 10,270' (TS) 4 1/2"

Morrow Formation top at 10,650'

Morrow Perforations - 11,085 to 11,447'

4 1/2" casing at 11,529' (650 sx - TOC at 10,270')

RECEIVED

MAY 19 2000

BLM

ROSWELL, NM