

O'BRIANT ENGINEERING

316 BUILDING OF THE SOUTHWEST

MIDLAND, TEXAS 79701

915 - 683-3172

915 - 683-5511

August 6, 1980

Mr. Leroy Hurt
Kenai Oil & Gas, Inc.
1001 Petroleum Building
Midland, Texas 79701

RE: CASING INSTALLATION - 7 5/8"
McNEAL NO. 1
LEA COUNTY, NEW MEXICO

Dear Mr. Hurt:

Seven and five-eighths inch casing was run and cemented in place in your McNeal No. 1 well on July 29, 1980. Details of this procedure are as follows:

CASING DETAIL (BOTTOM TO TOP)

1 - Type "M" HOWCO guide shoe	.70'
1 - Joint 7 5/8", 26.4#, K-55, ST & C casing	39.65'
1 - HOWCO float collar	1.65'
109 - Joints 7 5/8", 26.4#, K-55, ST & C casing	<u>4,315.01'</u>
TOTAL PIPE RUN	4,357.01'
LESS PIPE ABOVE KB	<u>- 3.00'</u>
CASING SET AT	4,354.01'KB

CEMENTING DETAIL

Cemented through 7 5/8" casing with 1240 sacks HOWCO Lite cement with 15# salt and 1/4# flocele per sack. Followed this by 300 sacks Class "C" cement with 1/4# flocele per sack. The plug was down at 4:30 p.m., July 29, 1980. Cement did not circulate.

After 8 hours of waiting on cement, a temperature survey was run with top of cement indicated at 600'. Perforated 7 7/8" casing with 1 shot (1/2" hole) at 550' and cemented top with 250 sacks Class "C" and 50 sacks Class "C" with 2% calcium chloride. Displaced cement with 23.5 barrels water with plug at 500'. Approximately 125 sacks were circulated into the reserve pit.