

O'BRIANT ENGINEERING COMPANY

310 BUILDING OF THE SOUTHWEST
MIDLAND, TEXAS 79701
915 - 683-3172

JAMES F. O'BRIANT
RESIDENCE 694-8907
MOBILE 683-4044

EUGENE V. PRINTZ
RESIDENCE 694-1791
MOBILE 337-5634

W. H. GILMORE, JR.
RESIDENCE 682-5578
MOBILE 683-4063

November 3, 1975

Harvey E. Yates Co., Inc.
Suite 1000
Security National Bank Building
Roswell, New Mexico 88201

In Re: Production Casing - 4 1/2"
Fannie Lou Federal No. 1
Eddy County, New Mexico

Gentlemen:

Production casing was placed in your Fannie Lou Federal No. 1 well
October 30, 1975. All casing shown below is 4 1/2" OD, N-80, LT&C:

1 - Halliburton differential fill shoe	2.23'
1 - Jt. 13.50#/ft. sand blasted casing	31.61'
1 - Halliburton differential fill collar	1.65'
24 - Jts. 13.50#/ft. sand blasted casing	751.02'
50 - Jts. 11.60#/ft. sand blasted casing	1,613.62'
254 - Jts. 11.60#/ft. mill coated casing	8,120.48'
44 - Jts. 13.50#/ft. mill coated casing	1,385.71'
Total pipe	11,906.32'
KB to CHF	18.00'
Casing set @	11,924.32' KB

Notes:

Top of differential fill collar @ 11,889' KB.
Marker joint (27.68'): Bottom @ 11,503' KB
Top @ 11,476' KB
Top of 13.50# casing (lower section) @ 11,138' KB.
Top of 11.60# casing (sand blasted) @ 9,524' KB.
Top of 11.60# casing (mill coat) @ 1,404' KB.
Top of 13.50# casing from 1,404' KB to surface.