

STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION

DEPARTMENT OF NATURAL RESOURCES
SUITE 380 LOGAN TOWER BUILDING
1580 LOGAN STREET
DENVER, COLORADO 80203
(303) 894-2109 FAX
(303) 894-2100

DENNIS R. BICKNELL
Director
PATRICIA C. BEAVER
Technical Secretary



ROY ROMER
Governor

November 18, 1992

E. T. Yukl & Associates, Inc.
Petroleum Consultants
5477 Glen Lakes Drive, Suite 110
Dallas, Texas 75231

SCANNED

RE: Surface Casing Rules for Colorado

Gentlemen:

Please direct your attention to the Colorado Rules and Regulations Revised June 1992. Rules 317 (i), and 317 (j) will best guide your planning.

The Area Engineer, Ed Binkley has advised me that you have access to Garcia field information on the Sandoval #3 well located SW SE Section 4-34S-62W in Las Animas County. Perhaps you have recieved a copy of the Resistivity logs from Petroleum Information. Please note the resistivity log indicates potential for fresh water through the Dakota formation at a depth from 2046' through 2143'.

Based on Rule 317 (i) the surface casing is recommended to be set at 200' or a minimum of 150' into the Pierre shale to cover alluvium plus any upper sands that may contain fresh water in the upper Pierre formation.

Based upon Rule 317 (j) a production casing stage cementing tool should be set below the Dakota formation with depth determined upon logging the well. Since your letter did not indicate your objective formation then it is assumed that you will drill through the Dakota formation.

If you have not ordered a copy of the Rules please send a check in the amount of \$3.90 to the Commission receptionist.

Sincerely,

David E. Smink, P.E.
Supervising Professional Engineer

EBB