

Plug-Back Procedure
Winchester (Bone Spring) Prospect
Chi Operating, Inc. "Winchester-Fed" No. 1
Eddy County, New Mexico

OBJECTIVE:

To set bridge plug above existing producing zone, circulate cement across first Bone Spring Sand interval. Perforate, Acidize while attempting ballout, and frac via casing.

LOCATION:

1980' FNL & 660' FEL of Sec. 4, T-20-S, R-28-E, Eddy County, New Mexico.

DIRECTIONS:

North from Carlsbad on Hyway 239 approximately 9 miles. Turn right (East) onto Angel Ranch road. Go 1-1/2 miles, follow curve to right at ranch house and go about 1 more mile. Turn left (East) onto lease road, turn left (due North) and follow road approximately two miles. Turn right at T&A Strata Prod well and follow road 1-3/4 mile to well.

WELL DATA:

Elevation-KB/GL:	3312.2/3296.4
Current Status:	Flowing from Wolfcamp
Date completed:	1982
Total Depth/PBTD:	11,400'/11,350'
Intermediate Casing:	2999'
Prod. Casing Size:	4-1/2" N-80, 11.60#
Current Perfs:	8849'-9029' (Wolfcamp)
Estimated top of Cement:	7200' (approx. top of Bone Spring 2nd Sand)
Proposed Perfs:	6146'-6300', 12 holes

PROPOSED CEMENT PROCEDURE (see cement proposal):

Set CIBP at approximately 6900'. Perforate with 5 holes @ 6800' and attempt to establish circulation to surface. If circulation is established, circulate hole for three to four hours. Circulate cement behind the pipe from 6800' to 5,000' with 425 sacks of Class "C" cement containing .8% FL-20+.2% FWC-2+3% A-9 (KCL). Slurry yield-cu.ft.=1.35, slurry weight-lb.gal.=14.8. True hole volume (cu.ft.)=410 from 6800 to 5000', recommended volume (cu.ft.)=574 (40% excess). SDON. PU tbg and scraper and tag bottom.