

7. After setting the 13-3/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.
8. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
 - a. A recording pit level indicator to determine pit volume gains and losses.
 - b. A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
 - c. A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
9. Notify the Survey in sufficient time to witness the cementing of the 20" and 13-3/8" casing.
10. Cement behind the 20" and 13-3/8" casing must be circulated.
11. It is required that a Gamma-Ray-Neutron Log be run in open hole from the base of Salado to the surface at a speed not to exceed 30 feet per minute.
12. Please have anyone contacting the Survey in regard to this well identify the well with all of the information required above for the well sign.

Sincerely yours,

(OFFICIAL COPY - NOT FOR SIGNATURE)

James W. Sutherland
Area Oil and Gas Supervisor

Enclosure

cc:
Acting Conservation Manager, CR
Mining Branch (2)
BLM, Roswell (w/cy Notice)
NMOCD, Artesia (2) (w/2 cys Notice)
Artesia
Roswell (w/cy Notice)