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CL. 11. 1  
ARTESIA OFFICE

DRILLING PROGNOSIS  
Duncan Federal NO. 1  
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DRILLING TIME:

1. A recorder with torque, hook load and rate of penetration will be used.
2. Record 10' drilling times from surface to T.D. on company forms.

DRILL PIPE MEASUREMENTS: Strap drill pipe at all casing, testing, coring, logging, points and at T.D.

DRILLING SAMPLES:

1. Two sets of 10' samples will be caught, washed, sacked, and labeled in bundles of 100' from surface to T.D.
2. Circulating and additional samples will be obtained as directed.
3. Quart samples will be obtained of all fluids recovered on DST.

CORES: None Anticipated.

DRILL STEM TESTING: Tests to be taken at direction of wellsite geologist.

LOGGING:

1. Gamma Ray Sonic Caliper from T.D. to base of intermediate casing.
2. Dual induction-laterolog through sections as specified by wellsite geologist.

BLOW OUT PREVENTERS:

1. Series 900 or better, double ram with manual and remote control preventers shall be used from base of surface to T.D.
2. BOP shall be checked daily and reported on drilling report.
3. A rotating drilling head shall be used during any air or gas drilling.

DAILY DRILLING REPORTS:

1. The AACDC report will be used.
2. This report will be filled out in detail and mailed to Midland District Office four times per week.
3. Morning reports shall be made to the Midland District Office each week-day morning between 8:00 a.m. and 8:30 a.m., CST
4. The company forms for daily drilling report and daily cost report will be prepared each day and delivered to the drilling section at the end of each well.

DEVIATION:

1. Deviation in the surface hole shall not exceed 1°.
2. Deviation surveys shall be taken on every trip or every 500', whichever is first.