

**TENNESSEE GAS AND OIL COMPANY
PROCEEDS TO DRILL AND COMPLETE**

Lease: G. E. Jordan-UMA

Well No.: 2

District: Etts

Field: Paducah Area

Location: 1900' FWL & 1900' FWL, Sec 15, T-23-S, R-38-E, Lee County, New Mexico

Projected Horizon: Delaware Sand

Estimated Elevation: 3430' GL

Estimated TD: 4600'

Drilling, Casing, and Cement:

1. Drill 13 3/4" hole to approximately 350'.
2. Cement 9 5/8" casing at approximately 350' w/sufficient volume to circulate.
3. WOC 24 hours. Release pressure and install BOP after 12 hours. Pressure test casing w/600 psi for 30 minutes after 24 hours.
4. Drill 7 7/8" hole to Delaware Sand core point at approximately 4600'. Exact casing depth to be determined by well-site Exploitation Engineer.
5. Core from 4600' to 4800' w/6 1/4" diamond bit.
6. Set 4 1/2" casing at TD w/150 psi of cement.
7. WOC 24 hours. Release pressure and run temperature survey after WOC 3 hours.
8. Run tubing and pressure test casing w/1500 psi for 30 minutes.
9. Displace water with oil.
10. Release rotary rig.

Drilling Mud:

1. Drill w/fresh water native mud to TD. Mud properties will be adjusted to meet requirements for good samples, coring, and drill stem tests. Before coring or running a drill stem test, the mud should have the following properties: Viscosity 35-40, water loss 10cc or less in 30 minutes, F C 2/32 or less.
2. No oil will be added without consent of well-site Exploitation Engineer.

Drill Stem Tests:

1. One drill stem test may be run in the Delaware Sand between 4600' and 4700'.

Drilling Time:

1. Record 1' drilling time from surface to TD using Geolograph.
2. Record 1' drilling time in addition to Geolograph while coring.

Drill Pipe Measurement:

1. Tally drill pipe on last two trips prior to reaching casing point.
2. Tally drill pipe in strain under company supervision at all casing points, coring points, drill stem test points, and at TD.

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 250 million to 450 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1973). The total chlorophyll content was determined by the method of Arar and Cook (1980). The carotenoid content was determined by the method of Lichtenthaler and Whistler (1973). The total carotenoid content was determined by the method of Arar and Cook (1980). The total protein content was determined by the method of Lowry et al. (1951). The total lipid content was determined by the method of Bligh and Dyer (1959). The total carbohydrate content was determined by the method of Dubois and Gilles (1950). The total nucleic acid content was determined by the method of Burton (1956). The total ash content was determined by the method of AOAC (1990). The total moisture content was determined by the method of AOAC (1990). The total dry matter content was determined by the method of AOAC (1990). The total organic acid content was determined by the method of AOAC (1990). The total alkaloid content was determined by the method of AOAC (1990). The total saponin content was determined by the method of AOAC (1990). The total tannin content was determined by the method of AOAC (1990). The total flavonoid content was determined by the method of AOAC (1990). The total phenol content was determined by the method of AOAC (1990). The total terpenoid content was determined by the method of AOAC (1990). The total steroid content was determined by the method of AOAC (1990). The total glycoside content was determined by the method of AOAC (1990). The total alkaloid content was determined by the method of AOAC (1990). The total saponin content was determined by the method of AOAC (1990). The total tannin content was determined by the method of AOAC (1990). The total flavonoid content was determined by the method of AOAC (1990). The total phenol content was determined by the method of AOAC (1990). The total terpenoid content was determined by the method of AOAC (1990). The total steroid content was determined by the method of AOAC (1990). The total glycoside content was determined by the method of AOAC (1990).

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Journal of Management Inquiry 18(6)br/>DOI: 10.1177/1056492609356111
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THE UNIVERSITY OF CHICAGO

1. *Chlorophyll a* (Chl *a*)

Y. L. G. 2000

1. The first step in the process of the investigation is the identification of the problem. This is done by the investigator who is responsible for the study. The next step is the formulation of the hypothesis. This is done by the investigator who is responsible for the study. The third step is the design of the study. This is done by the investigator who is responsible for the study. The fourth step is the collection of data. This is done by the investigator who is responsible for the study. The fifth step is the analysis of the data. This is done by the investigator who is responsible for the study. The sixth step is the interpretation of the results. This is done by the investigator who is responsible for the study. The seventh step is the conclusion. This is done by the investigator who is responsible for the study. The eighth step is the reporting of the results. This is done by the investigator who is responsible for the study. The ninth step is the evaluation of the study. This is done by the investigator who is responsible for the study. The tenth step is the dissemination of the results. This is done by the investigator who is responsible for the study.

1. The first of these is the fact that the majority of the population of the United States is of European descent. This is a fact which has been recognized by the government and the people of the United States for many years. It is a fact which has been recognized by the government and the people of the United States for many years. It is a fact which has been recognized by the government and the people of the United States for many years.

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971).

1. The Commission has been informed that the Government of the Republic of the Philippines has agreed to accept the findings of the Commission's investigation into the human rights violations committed by the Philippine military during the period of 1982-1986.

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the situation.

Sampling:

1. Catch two sets of 10' drilling samples from 4300' to TD unless otherwise directed by well-site Exploitation Engineer.
2. No time lag will be made in catching samples and 15 minute circulating samples will be caught for a period of one hour while circulating unless otherwise directed by the well-site Exploitation Engineer.
3. Samples will be washed thoroughly, sealed, and labeled as directed by the well-site Exploitation Engineer.
4. Two one-quart samples will be caught and labeled of any fluid recovered by drill stem tests.

Hole Deviation:

1. Run hole deviation every 100' on the surface hole.
2. Run hole deviation survey on each trip for bit or every 300', whichever occurs sooner.
3. Maximum hole deviation from surface to TD shall be 4°.
4. If hole deviation changes more than 1 1/2 degrees in any 100' interval, a string runner will be run to wipe out dog leg.
5. If hole deviation changes more than 2 degrees in any 100' interval, the hole shall be plugged back and straightened out.

Survey:

1. Run GR/Sonic log from casing to TD and laterolog from approximately 4400' to TD.
2. Run temperature survey on 4 1/2" casing string after WOC 6 hours.
3. Run GR correlation log through pay section after cementing 4 1/2" casing.

Completion:

1. Rig up F.U.
2. Pull tubing to 4300'.
3. Run GR correlation log through pay section. Lower tubing to within 100' of pay zone.
4. Perforate selected intervals w/4 holes per foot.
5. Wash pay with 300 gals and clean-out agent, if necessary.
6. Shut well for test.
7. Free down 8" tubing w/5000 gals refined oil and 10,000 lbs of 20-40 mesh sand.
8. Shut well in.

APPROVED: _____
C. W. Ramee

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