

DRILL STEM TESTS

- 30-50 - DST #1 from 8455' to 8594', 4 hour test, perforations from 8455' to 8456' & from 8572' to 8491' on 5/8" bottom & 1" top chokes. Opened tool at 12:09 P.M. with fair blow of air which decreased to weak blow at end of test. Closed tool at 4:09 P.M. for 1/4 hr. build-up. Recovered 210' of drilling mud, no oil, gas or water. Halliburton Chart - Hydro. pressure in 4725#, out 4525#, Initial flow pressure 25#, final 50#, 1/4 hr. build-up 0. Amerada Chart - Hydro. pressure in 4730#, out 4655#, Initial flow pressure 65#, final 105#, 1/4 Hr. build-up 0#.
- 3-50 - DST #2 from 8594' to 8700', 3 hour test, perforations from 8675' to 97' on 5/8" bottom & 1" top chokes. Opened tool at 1:15 P.M. with fair blow of air which decreased to faint blow. Closed tool at 4:15 P.M. for 1/4 hour build-up. Recovered 280' of drilling mud, no oil, gas or water. Amerada Chart - Hydro. pressure in 5155#, out 4695#, Initial flowing pressure 85#, Final 165#, 1/4 Hr. build-up 165#.
- 5- 6-50 - DST #3 from 8700' to 8805', 4 hour test, perforations from 8700' to 01' & from 8788' to 8802' on 5/8" bottom & 1" top chokes. Opened tool at 9:35 A.M. with slight blow of air, gas to surface in 43 minutes. Slight blow of gas continued throughout test. Closed tool at 1:35 P.M. for 1/4 hr. build-up. Recovered 930' of heavy oil & gas cut drlg. mud, est. 10% oil cut, no free oil, 150' of salt water. Amerada Chart - Hydro. pressure in 4415#, out 4405#, Initial flowing pressure 260#, Final 640#, 1/4 Hr. build-up 2440#.
- 6- 7-50 - DST #4 from 8805' to 8855', 4 hour test, perforations from 8806' to 8807' and from 8834' to 8853' on 5/8" bottom & 1" top chokes. Opened tool at 11:45 P.M. with slight blow of air which continued throughout test. Closed tool at 3:45 A.M. for 1/4 hr. build-up. Recovered 360' of gas cut drlg. mud & 1890' of Salt water. Amerada Chart - Hydro. pressure in 4655#, out 4575#, Initial Flowing pressure 45#, final 975#, 1/4 hour build-up 2630#.
- 6-10-50 - DST #5 from 8955' to 9005', 4 hour test, perforations from 8956' to 57' & from 8981' to 9002' on 5/8" bottom & 1" top chokes. Opened tool at 12:52 P.M. with fair blow of air, gas to surface in 53 minutes, not strong enough to measure. Closed tool at 4:52 P.M. for 1/4 hour build-up. Recovered 180' of gas cut drlg. mud, slightly oily, and 1800' of Salt Water. Amerada Chart - Hydro. pressure in 4650#, out 4590#, Initial flowing pressure 170#, final 920#, 1/4 hr. build-up 2630#.
- 6-14-50 - DST #6 from 9262' to 9290', 4 hour test, perforations from 9263' to 87' & from 9254' to 62', on 5/8" bottom & 1" top chokes. Opened tool at 7:07 A.M. with good blow of air for 10 minutes & decreased to slight blow at end of test. Closed tool at 11:07 A.M. for 1/4 hour build-up. Recovered 90' of drlg. mud, est. 1% oil cut, 3060' of Salt Water, no oil or gas. Amerada Chart - Hydro. pressure in 4810#, out 4655#, Initial flowing pressure 85#, final 1375#, 1/4 hour build-up 3000#.
- 7-18-50 - DST #7 from 11043' to 11058', perforations from 11043' to 11052' on 5/8" bottom & 1" top chokes. Opened tool at 6:12 P.M. & at 6:20 P.M. Packers would not hold. Recovered 2058' of water blanket, 1350' of drlg. mud, no oil, gas or water. Amerada Chart - Hydro. pressures in & out 5720#, no flow or build-up pressures.
- 7-20-50 - DST #8 from 11045' to 11065', using 2058' of water blanket, perforations from 11043' to 11052' on 5/8" bottom & 1" top chokes. Opened tool at 6:12 P.M., 6:20 P.M. & 6:30 P.M. Packer would not hold. Recovered 2058' water blanket & 990' of drlg. mud, no oil, gas or water. No chart recordings.
- 7-21-50 - DST #9 from 11048' to 11075', 1 Hr. & 10 Min. test, perforations from 11048' to 11072' on 5/8" bottom & 1" top chokes. Tool opened at 1:35 P.M. with small blow of air for 8 Min. & died. Tool closed & re-opened at 2:35 P.M. and closed at 2:45 P.M. for 1/4 hour build-up. Recovered 2085' water blanket, 45' of drlg. mud, no oil, gas or water. Amerada Chart - Hydro. pressure in 5655#, out 5615#, Initial flowing pressure 895#, final 895#, no build-up pressure recorded.
- 7-23-50 - DST #10 from 11076' to 11150', 1 Hr. & 15 Min. test, perforations from 11138' to 11149' on 5/8" bottom & 1" top chokes. Tool opened at 5 A.M. with weak blow of air which blew for 15 min. & died. Closed tool & re-opened at 6:00 A.M. with light blow of air for 12 Min. & died. Closed tool at 6:15 P.M. for 1/4 hour build-up. Recovered 2153' of water blanket, 120' of drlg. mud, no oil, gas or water. Amerada Chart - Hydro. pressure in 5610#, out 5600#, Initial Flowing Pressure 970#, final 970#, 1/4 hour build-up 4150#.
- 7-24-50 - DST #11 from 11150' to 11185', 4 hour test, perforations from 11150' to 11181' on 5/8" bottom & 1" top chokes. Opened tool at 6:07 A.M. with fair blow of air which decreased to small blow & continued throughout test. Closed tool at 10:07 A.M. for 1/4 hour build-up. Recovered 2183' of water blanket, 90' of drlg. mud & 6780' of Salty Sulphur water, no oil or gas. Amerada Chart - Hydro. pressure in 5775#, out 5365#, Initial Flowing Pressure 1035#, final 4010#, 1/4 hour build-up 4360#.

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1. The first of the two is a small, dark, irregularly shaped object, approximately 1/2 inch in length and 1/4 inch in width. It is located in the upper left corner of the page, near the top edge. It appears to be a small, dark, irregularly shaped object, possibly a piece of debris or a small insect.

2. The second is a larger, more elongated object, approximately 1 inch in length and 1/2 inch in width. It is located in the lower right corner of the page, near the bottom edge. It appears to be a larger, more elongated object, possibly a piece of debris or a small insect.

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

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1. The first condition is that the system must be in a state of equilibrium. This means that the system must be at rest and not moving. If the system is moving, then the forces acting on it will not be balanced, and it will not be in equilibrium.

[illegible]