

RECORD OF DUAL STEM TESTS

Attachment to State S¹L¹ Well #1 Well Record

Drill Stem Test No. 1 - Pennsylvanian Zone #1, 9840' to 9944', 2 hr. test. 4-1/2" OD Drill Pipe, 5/8" bottom & 1" top chokes. Opened tool at 5:15 AM with good blow of air, gas to surface in 5 minutes. At end of first hour gas volume 559, 580 CFPD, end of 2nd hr. 41,064 CFPD. No fluid to surface. Closed Tool at 7:15 AM for 2 hr build up. Reversed out 2 bbls slightly gas cut drilling mud, 42 bbls of 41.6 gvt. oil & 2.50 bbls salt water above circulating sub. Recovered below circulating sub, 90' or .50 bbl. drilling mud & 270' of 1.60 bbls slightly gas cut salt water. Charts - HI 4750#, HO 4610#, initial flow press. 533#, final flow press. 1743#, 2 hr build up in 10 min. intervals as follows - 2191#, 2273#, 2330#, 2367#, 2412#, 2434#, 2461#, 2480#, 2498#, 2511#, 2528#, 2538# and increasing. Damage ratio - .30.

Drill Stem Test No. 2 - Pennsylvanian zone #2, from 9950' to 10008', 1 hours and 24 minute test. 4-1/2" drill pipe, 216' of 5-3/4" x 2-1/2" ID drill collars above tool, 5/8" bottom & 1" top chokes. Opened tool at 10:21AM with a weak blow of air, died at 10:45AM. Closed tool at 11:45 AM for 3 hour build up. Recovered 20' or .12 bbls of drilling mud. No show of oil, gas or formation water. Charts - HI 4700#, HO 4610#, IFP 35#, FFP 43#, 3 hour build up in 10 minute intervals as follows - 60#, 73#, 98#, 130#, 162#, 211#, 272#, 360#, 458#, 592#, 740#, 879#, 1040#, 1187#, 1328#, 1442#, 1552#, 1644#, and increasing. Damage ratio - .06.

Drill Stem Test No. 3 - Pennsylvanian zone #3, from 10008' to 10036', 2 hr. test. 4-1/2" drill pipe, 242' of 5-3/4" x 2-1/2" drill collars, 5/8" bottom & 1" top chokes. Opened tool at 9:36 AM with weak blow of air which increased to fair blow in 10 minutes and continued for 30 minutes, then decreased to weak blow for remainder of test. Closed tool at 11:36AM for 2 hour build up. Recovered 1342' or 17.1 bbl. of black salty sulphur water & 50' or .70 bbls of drilling mud. No show of oil or gas. Charts - HI 4800#, HO 4775#, IFP 50#, FFP 690#, 2 hr. build up in 10 minute intervals as follows: 2573#, 2652#, 2701#, 2730#, 2748#, 2760#, 2767#, 2773#, 2782#, 2789#, 2790#, 2793# & increasing.

DEAVIATION SURVEYS

160' - 1/4deg.
300' - 3/4 deg.
700' - 1/4 deg.
1000' - 1/2 deg.
1300' - 1/4 deg.
1700' - 1/2 deg.
2000' - 1/2 deg.
2275' - 1/2 deg.
2745' - 3/4 deg.
3115' - 1/2 deg.
3550' - 3/4deg.
3860' - 3/4 deg.
4050' - 3/4 deg.
4460' - 1/4 deg.
4670' - 1/4 deg.
4957' - 3/4 deg.
5375' - 1-1/4 deg.
5660' - 3/4 deg.
5840' - 1 deg.
6140' - 1/2 deg.
6475' - 1 deg.
6705' - 3/4 deg.
7000' - 1/2 deg.
7210' - 3/4 deg.
7380' - 1 deg.
7645' - 1-1/4 deg.
8060' - 1-3/4 deg.
8240' - 1-3/4 deg.
8390' - 1-1/2 deg.
8615' - 2 deg.
8980' - 2-3/4 deg.
9110' - No good
9250' - 2-1/4 deg.
9495' - 2-1/2 deg.
9610' - 2-1/2 deg.
9760' - 2-1/4 deg.
9875' - 2-3/4 deg.
9935' - 2-1/4 deg.
10030' - 2-1/4 deg.

The first part of the report deals with the general situation of the country. It is a very interesting and informative study of the country's development. The second part of the report deals with the specific details of the country's development. It is a very detailed and comprehensive study of the country's development. The third part of the report deals with the specific details of the country's development. It is a very detailed and comprehensive study of the country's development.

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