

OUT OF DRILL STEM TESTS

- 12-6-48 DST. #1 From 4873' to 4935'. With Packer set at 4873' with 5/8" Bottom and 1" Top Choke. Perforations 4873-4874' & 4907'-4922'. Tool opened at 9:30 P.M. With good blow of air & died in 23 minutes, Tool open 1 hr. & 23 minutes, closed at 10:53 P.M. for 15 minutes BUP. Recovered 60' slightly gas out & mud. Howco Chart, Hydro. in 2350# out 2650# Flow pressure 50#, 1/4 hr. BUP. 0#. Amerada Hydro. in 2530# out 2510#, Flow pressure 50#, 1/4 hr. BUP 0#.
- 1-5-49 DST #2, From 7423' to 7470#. With 1-7" OD. Packer set at 7423' with 5/8" Bottom & 1" Top Choke. Perforations 7424-25' & 7458-7464' with tool opened at 7:57 P.M. with good blow air for 4hrs. closed tool at 11:57 P.M. for 1/4 hr. BUP. Recovered 630' & mud out with salt water and 5665' salt water. Howco Hydro. in and out 4050#, Min. Flow pressure 400# Max. Flow pressure 3300#, 1/4 hr. BUP. 3925#, Amerada Chart Failed to record.
- 3-2-49 DST. #3 at 10167' with packers set at 10103' & 10098', With 5/8" Bottom and 1" Top Choke. Perforations 10104-10105' & 10136-10164' tool opened at 2:45 A.M. with medium blow of air, slightly increasing, tool closed at 6:45 A.M. for 1/4 hr. BUP. Recovered 455' & mud, slightly salty, 3607' Salt water, Howco Hydro. in 5600# out 5575# Min Flow pressure 150# Max. Flow pressure 1300#, 1/4 hr. BUP. 3250#, Amerada Hydro. in 5420# out 5400#, Min Flow pressure 70# Max. Flow pressure 1705#, 1/4 hr. BUP. 3410#
- 3-21-49 DST #4 From 10689' to 10732', Packers set at 10681' & 10689', w/5/8" bottom & 1" Top Choke. Perforations 10690-10701' & 10727'-10729' with 2000' water blanket, Tool opened at 9:40 A.M. with blow of air for 21 minutes and died, closed tool at 11:01 A.M. for 1/4 hr. BUP. Recovered 2000' water blanket & 60' & mud. no water, oil or gas, Howco Hydro. in and out 5800# Flowing pressure 890#, no build up. Amerada Hydro in and out 5890#, Flowing pressure 960# no build up.
- 5-11-49 DST. #5. From 11920' to 12010'. with 2 packers set at 11912' & 11920' with 5/8" bottom & 1" Top Choke. Perforations 11920-11921' & 11980' to 12006', with 2954' water blanket. Tool opened at 9:30 P.M. saw few bubbles of air for 5 minutes. Reopened tool at 10:00 P.M. small blow for 20 minutes. Closed tool at 11:20 P.M. Packer pulled loose at 11:55 P.M. Recovered 8,996' dry pipe, 2954' water blanket, & 60' drlg. mud. no gas, oil or formation water. Howco. Hydro. in 6700# out 6500#, initial & final flowing pressure 1600#, 1/4 hr. BUP. Amerada Hydro. in 6670#, out 6650#, Flowing pressure 1380#, 1/4 hr. BUP. 1420#
- 5-23-49 DST. #6 From 12326' to 12363' with 3 1/2" Drill pipe, 2 hrs. & 25 min. test. With packers set at 12326' & 12319', with 5/8" bottom & 1" Top choke, Perforations 12327' to 12360' with 3363' water blanket, Tool opened at 8:05 P.M. With very light blow of air for 4 minutes, and died, closed tool and reopened at 8:30 P.M. tool at 9:30 P.M. with light blow of air for 5 mins. and died, left tool open to 10:30 P.M. and closed for 15 minutes build up. Recovered 8985' dry pipe, 3363' water blanket, 15' drlg. mud. Amerada Hydro. in 6790# out 6745# Flowing pressure 1510#, no build up, Howco. Chart failed.
- 5-25-49 DST. #7 From 12349' to 12413', with 3 1/2" drill pipe, 1 hr. & 45 minutes test, packers set at 12342' & 12349', with 5/8" bottom & 1" Top Choke. Perforations 12350-12351' & 12380-12407'. Tool opened at 2:05 A.M. very light blow of air for 15 minutes and died, closed & reopened at 3:15 A.M. no blow, tool closed at 4:35 A.M. Recovered 3413' water blanket, 30' drlg. mud, no oil gas or water, Howco Hydro. in and out 6800# Min. flow pressure 1600# Max. flow pressure 2100#, No BUP. Amerada Hydro. in and out 6860#, Min flow pressure & Max. flow pressure 1860# no BUP.
- 5-29-49 DST. #8 From 12475' to 12520' With packers set at 12469' & 12475' with 5/8" Bottom & 1" Top Choke. Perforations 12476-12477' & 12507-12517' Tool opened at 3:50 P.M. with good blow of air for 45 mins. and died, tool closed at 5:40 P.M. for 1/4 hr. BUP. Recovered 3520' Water blanket 279' salt water out with drlg. mud, 75% out. 7326' Salt water, 1395' dry pipe, Howco. Hydro. in and out 7100#, Min. Flow press. 3100# Max. flow press. 5500#, Amerada Hydro. in 6900#, out 6850#, Min. Flow pressure 2820#, Max. Flow pressure 5155#, 1/4 hr. BUP. 0#

State CA Well #1
REPORT OF DRILL STEM TESTS

- 6-16-49 DST #9 From 13062' to 13095' on 3½" D.P. with two packers set at 13054' & 13062'. With 5/8" bottom & 1" top choke. Perforations 13063' to 13092'. Tool opened at 3:50 P.M. with fair blow of air for 30 minutes, and packer gave away. Closed tool at 4:20 P.M. Recovered 4000' water blanket, 360' salt water, 5/10% cut with mud, and 630' drilling mud. Howco: Hydro. Press. in —7200#; out — 7100#. Flowing pressure 1850#. No BUP. Amerada Chock stopped while going in hole.
- 6-21-49 DST #10 from 9666' to 9872' with 3½" D.P. Two packers set at 9658' and 9666', with 5/8" Bottom and 1" Top Choke. Perforations from 9667'-85' and 9866' to 9869'. One hour and 40 minutes test. Tool opened at 9:15 PM; re-opened tool at 9:35 PM, with weak blow of air for four minutes and died. Re-opened tool at 9:55 PM with weak blow air for three minutes and died. Closed tool at 10:55 PM. Recovered 90' drilling mud, no oil, gas or water. Howco: Hydro. Press. In —5210#. Out—5060#. No reading on flow pressure. 1/4 hour BUP —3600#. Amerada Chart: Hydro. Press. In —5250# Out—5400#. No reading on flow pressure. 1/4 hour BUP —3600#.
- 6-22-49 DST #11. From 9669' to 9876'. With 3½" D.P. and two 7" OD packers set at 9661' and 9669', with 5/8" bottom and 1" top choke. Perforations 9670'-9690' and 9870' to 9875'. Four hours and 15 minute test. Tool opened at 7:52 PM. Weak blow air and died. Re-opened tool @ 8:07 PM w/ good blow air and blew good for 3½ hours, and decreased at end of test. Closed tool @ 12:07 AM for 1/4 hour BUP. Recovered 90' drilling mud and 6300' salt water. Howco: Hydro. Press. In—5400#, Out —5400#. Min. Flow 400#, Max. flow 3100#. 1/4 hour BUP 3400#. Amerada Hydro Pressure In — 5170# Out —5115#, Min. flow 110#. Max flow 3140#. 1/4 hour BUP 3480#.

THE HISTORY OF THE
CITY OF NEW YORK

The first part of the history of the city of New York is the history of the Dutch colony. The Dutch colony was founded in 1614 by the Dutch East India Company. The Dutch colony was the first European colony in North America. The Dutch colony was the first colony to have a written constitution. The Dutch colony was the first colony to have a representative assembly. The Dutch colony was the first colony to have a free press. The Dutch colony was the first colony to have a public school system. The Dutch colony was the first colony to have a public library. The Dutch colony was the first colony to have a public hospital. The Dutch colony was the first colony to have a public prison. The Dutch colony was the first colony to have a public workhouse. The Dutch colony was the first colony to have a public almshouse. The Dutch colony was the first colony to have a public bathhouse. The Dutch colony was the first colony to have a public playground. The Dutch colony was the first colony to have a public park. The Dutch colony was the first colony to have a public zoo. The Dutch colony was the first colony to have a public museum. The Dutch colony was the first colony to have a public observatory. The Dutch colony was the first colony to have a public observatory. The Dutch colony was the first colony to have a public observatory.

The second part of the history of the city of New York is the history of the English colony. The English colony was founded in 1624 by the English East India Company. The English colony was the first European colony in North America. The English colony was the first colony to have a written constitution. The English colony was the first colony to have a representative assembly. The English colony was the first colony to have a free press. The English colony was the first colony to have a public school system. The English colony was the first colony to have a public library. The English colony was the first colony to have a public hospital. The English colony was the first colony to have a public prison. The English colony was the first colony to have a public workhouse. The English colony was the first colony to have a public almshouse. The English colony was the first colony to have a public bathhouse. The English colony was the first colony to have a public playground. The English colony was the first colony to have a public park. The English colony was the first colony to have a public zoo. The English colony was the first colony to have a public museum. The English colony was the first colony to have a public observatory. The English colony was the first colony to have a public observatory. The English colony was the first colony to have a public observatory.

The third part of the history of the city of New York is the history of the American colony. The American colony was founded in 1776 by the American Revolution. The American colony was the first European colony in North America. The American colony was the first colony to have a written constitution. The American colony was the first colony to have a representative assembly. The American colony was the first colony to have a free press. The American colony was the first colony to have a public school system. The American colony was the first colony to have a public library. The American colony was the first colony to have a public hospital. The American colony was the first colony to have a public prison. The American colony was the first colony to have a public workhouse. The American colony was the first colony to have a public almshouse. The American colony was the first colony to have a public bathhouse. The American colony was the first colony to have a public playground. The American colony was the first colony to have a public park. The American colony was the first colony to have a public zoo. The American colony was the first colony to have a public museum. The American colony was the first colony to have a public observatory. The American colony was the first colony to have a public observatory. The American colony was the first colony to have a public observatory.