

IN ATTACHMENT
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JUL 11 1973

HYDROSTATIC PRESSURE TEST - BOP'S

PENNZOIL CO. - Allied "B" - #1

BIG WEST DRILLING CO., RIG #11

6/27/73

by

H & R TESTERS, INC.

P. O. BOX 4342

ODESSA, TEXAS 79760

RECEIVED

JUL - 9 1973

U. S. GEOLOGICAL SURVEY
ARRESTA, NEW MEXICO

RECEIVED

JUL 11 1973

July 2 1973
P. O. box 4342
Odessa, Texas 79760

Pennzpol Co.
Drawer 1828 - 5th Floor Wall Towers West
Midland, Texas 79701

Re: BOP Test - Allied "B" Well #1
Contractor: Big West Drllg. Co., Rig #11

Gentlemen:

We made a hydrostatic pressure test to captioned blowout control equipment on June 27, 1973, and wish to advise the following:

At the conclusion of testing:

Items of the blowout control equipment from top of test plug in casing spool up through Hydril was tested to 3,000#, with separate tests being made at the pressure of 5,000# to upper pipe rams, blind rams, choke manifold, upper kelly cock and to a drill pipe safety valve, and to the valves and fittings of the BOP stack proper.

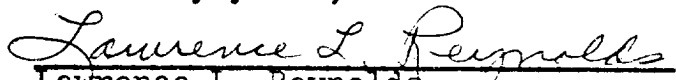
The drill pipe safety valve was leaking in the middle at the conclusion of testing. To be tightened with rig tongs. There were no visible leaks to the other items tested at the conclusion of testing.

No delay was observed to operation of blowout control equipment at conclusion of testing. Closures were made using closing unit pump only to the observed pressure of 1,600# for test to ram type BOP'S and 1,100# for test to Hydril. Accumulators were pressured to 2,000# at end of test. Control valves operated as indicated on closing unit manifold at end of test. BOP extentions were not hooked up. Rig on trip.

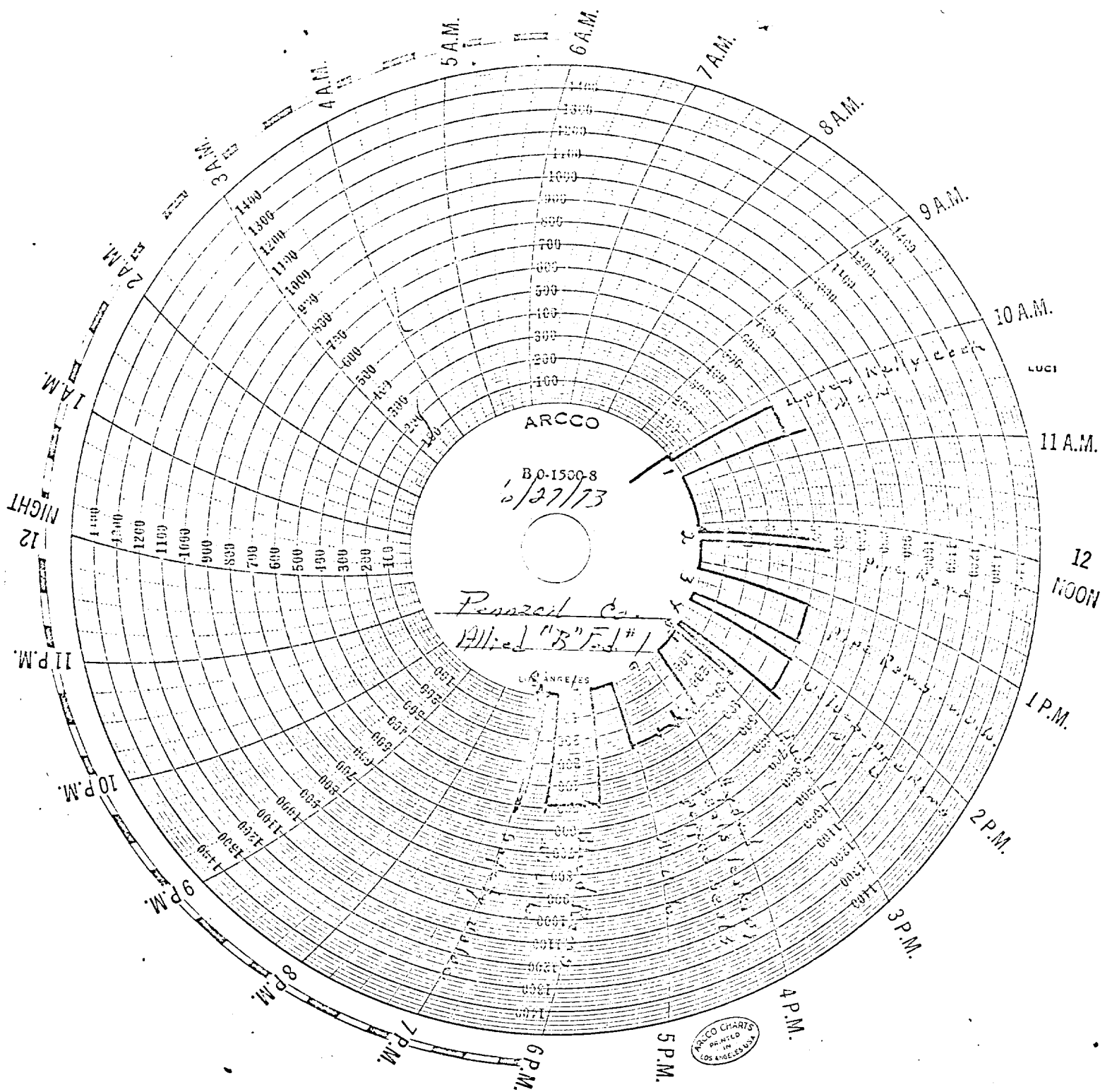
Please contact us if you have any questions concerning the above or any phase of this test.

We appreciate your business, and will welcome your suggestions as to how we may better serve you in the future.

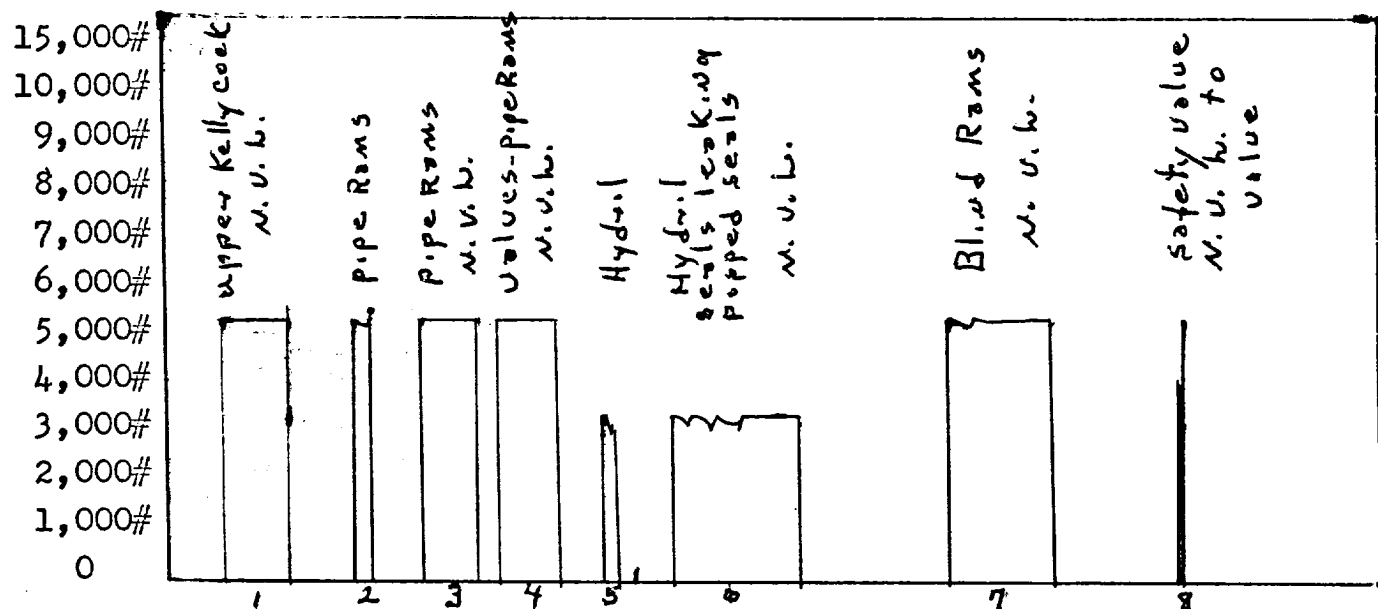
Sincerely yours,


Lawrence L. Reynolds
H & R TESTERS, INC.

LLR/mr - Attachments



----- Transposition of the pressure recorder chart -----



Test:

The above is a transposition of the pressure recorder charts covering test to the blowout control equipment in service on your well, drilling in the Carlsbad area, Carlsbad, New Mexico. Test was made with test plug landed in casing spool, with the following test results: Rig on trip.

Testing: Upper kelly cock.

Test #1 Pressured to 5,000#. No visible leaks.

Testing: Pipe rams, outside valves next to stack with pressure applied down drill pipe.

Test #2 Pressured to 5,000#. Flange leaking at top of casing spool. Released pressure and tightened.

Test #3 Retest. Pressured to 5,000#. No visible leaks.

Testing: Inside valves next to stack with pipe rams closed.

Test #4 Pressured to 5,000#. No visible leaks.

Testing: Hydril - same valves

Test #5 Pressured to 3,000#. Leak between Hydril and BOP. Released pressure and tightened.

Test #6 Retest. Pressured to 3,000#. Seals leaking in Hydril. Popped seals and repressured to 3,000#. No visible leaks.

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Testing: Blind Rams, inside valve next to stack on kill line, choke line and valves off manifold cross, with pressure through gauge connection in cross.

Test #7 Pressured to 5,000#. No visible leaks.

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Testing: Drill pipe safety valve

Test #8 Pressured to 5,000# with leak to connection in middle of safety valve. To be tightened later with rig tongs.

Test made by M. E. Groves

M. E. Groves