

HYDROSTATIC PRESSURE TEST - B.O.P.'s

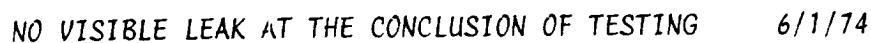
Mobil Oil Corporation - State SS #1

June 1, 1974

by

Yellow Jacket Tools and Services, Inc.

Odessa, Texas



June 3, 1974

Mobil Oil Corporation

Hobbs, New Mexico

Attn: Drilling Dept.

RE: BOP Test - Your State SS #1

Gentlemen:

We made a hydrostatic pressure test to captioned blowout control equipment on June 1, 1974, and wish to advise the following:

At the conclusion of testing:

Items of the blowout control equipment from top of test plug landed in casing head up through Hydril were tested to 2500# with separate tests being made at the pressure of 5000# to blind rams, pipe rams, choke line, choke-manifold, and to the valves and fittings of the bop stack proper.

There were no visible leak to items tested at the conclusion of testing.

No delay was observed to operation of blowout control equipment at the conclusion of testing. Closures were made using closing unit pump only to the observed pressure of 1300# for test to ram type bops and 1100# for test to Hydril. Accumulators were depleted at end of test. Control valves operated as indicated on closing unit manifold at end of test except control valves to blind rams and pipe rams hooked up backwards (to be corrected as needed). Bop extensions were not hooked up - rig nipping up.

No test desired to top of casing using packer, nor to the upper kelly cock (not in rig inventory at time of test), to the lower kelly cock (not in rig inventory at time of test), or to the drill pipe safety valve (not in rig inventory at time of test).

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

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

Sincerely yours,  
YELLOW JACKET TOOLS AND SERVICES, INC.

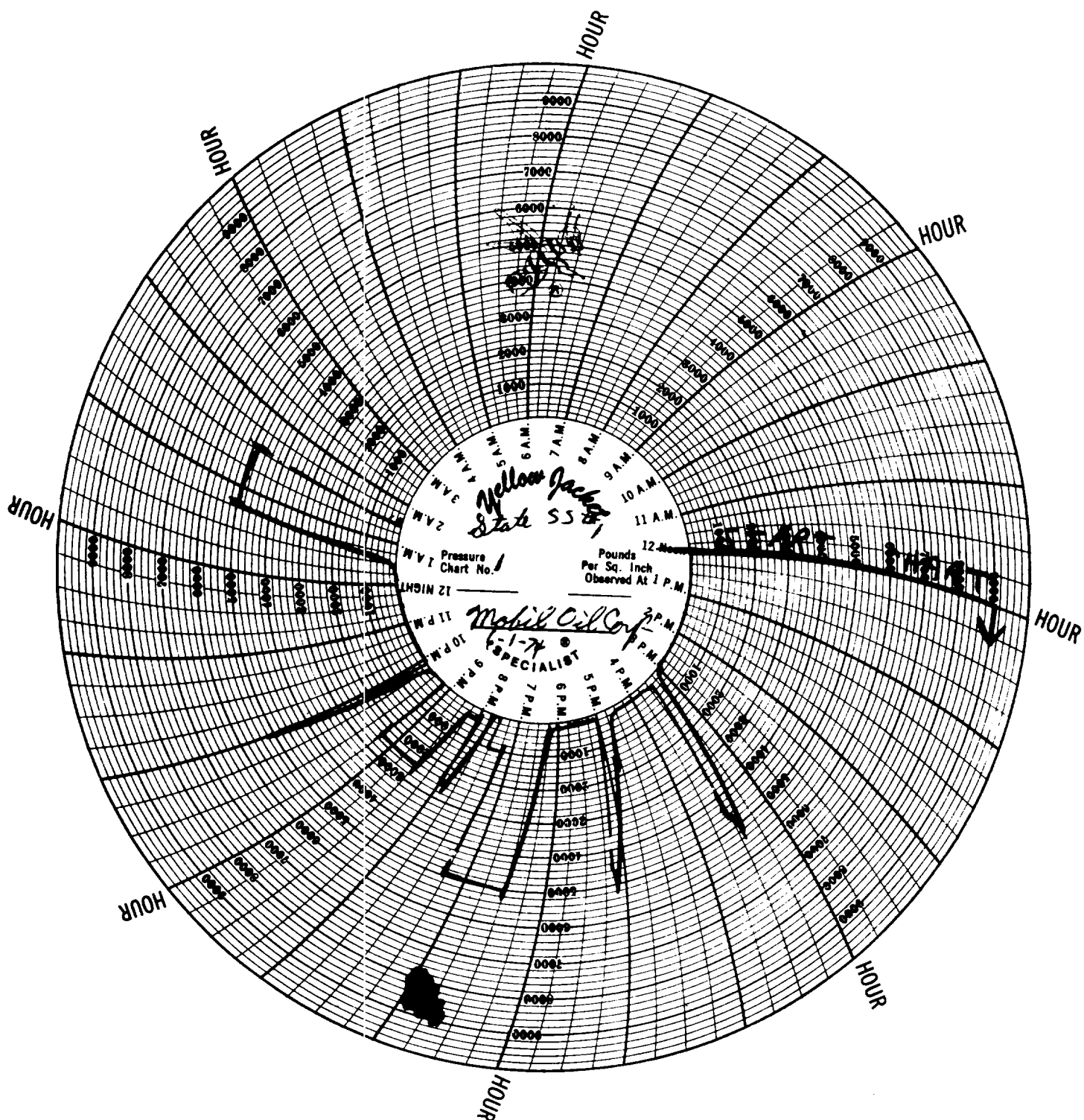
*Gordon Christopher*  
Gordon Christopher

GC/fg

Attachments

cc: U. S. G. S.

Artesia, New Mexico



Details of bop test

Mobil Oil Corporation

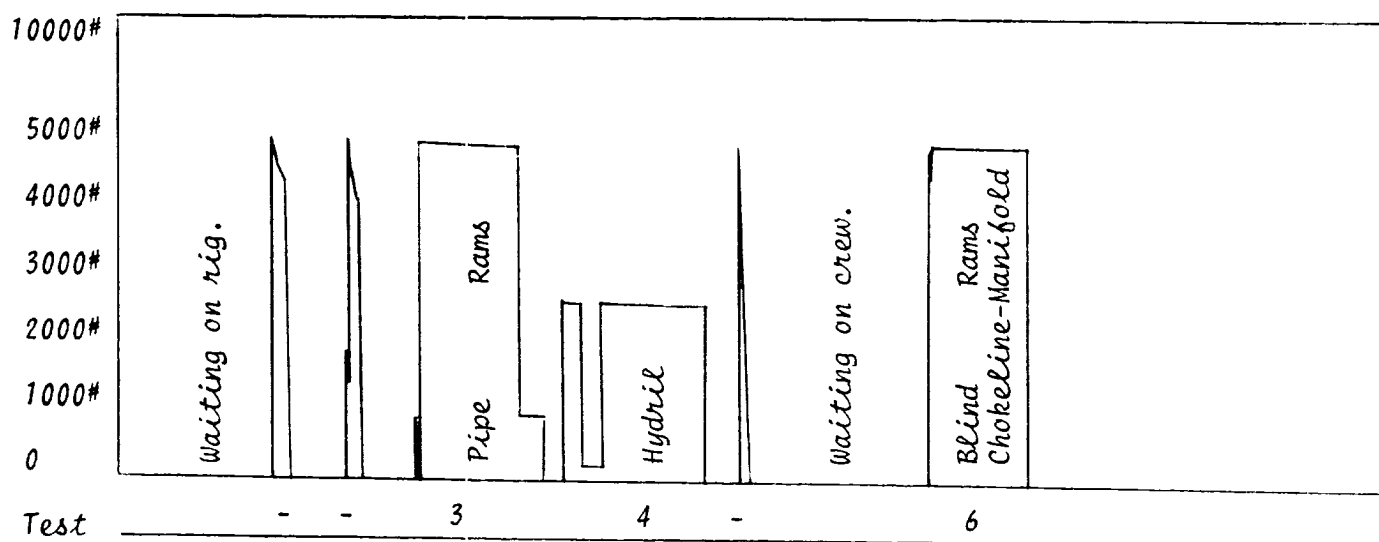
State SS #1

6/1/74

Contractor: Marcum Drlg. Rig 3

Test by Yellow Jacket Tools and Services, Inc.

=====Transposition of the pressure recorder chart=====



The above is a transposition of the pressure recorder chart covering test to the blowout control equipment in service on your well drilling in the Carlsbad Area, Hobbs District, New Mexico. Test was made with test plug landed in casing head with the following test results:

Arrived location - rig nipping up.

Waiting on rig.

TESTING: Blind Rams with valve closed next to stack on kill line and all valves closed off choke-manifold cross - pressure applied thru guage connection.

Test #1 Pressured to 5000# with leak to flange between blind rams bop and casing spool and leak to flange between stack and valve next to stack on chokeline and leak thru outlet valve off choke-manifold cross. Tightened flanges and operated valve.

Test #2 Repeated test. Pressured to 1700# with loss of pressure; re-pressured to 5000# with same leak thru outlet valve off choke-

manifold cross.

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TESTING: Pipe Rams with all valves closed next to stack - pressure applied down drill pipe.

Test #3 Pressured to 700# and released air; repressured to 5000# with loss of approximately 100# during first fifteen minutes then leveling out for remaining one minute of test. Released pressure to 700# and closed Hydril and opened rams.  
NO VISIBLE LEAK. PRESSURE LEVELING OUT TOWARDS APPROXIMATELY 4900#.

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TESTING: Hydril with valves same as before.

Test #4 Pressured to 2500# with leak to flange between Hydril and pipe rams bop; tightened under pressure; repressured to 2500# with loss of approximately 50# during first eleven minutes then leveling out for remaining five minutes of test.  
NO VISIBLE LEAK. PRESSURE STEADY AT APPROXIMATELY 2500#.

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RETEST: Blind Rams same as before - pressure applied as before.

Test #5 Pressured to 5000# with same leak thru outlet valve off choke-manifold cross.

Waiting on crew to replace outlet valve.

Test #6 Repeated test. Pressured to 5000# with loss of pressure; repressured to 5000# with loss of approximately 100# during first thirteen minutes then leveling out for remaining two minutes of test.

NO VISIBLE LEAK. PRESSURE LEVELING OUT TOWARDS APPROXIMATELY 4900#.

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No delay was observed to operation of blowout control equipment at the conclusion of testing. Closures were made using closing unit pump only to the observed pressure of 1300# for test to ram type bops and 1100# for test to Hydril. Accumulators were depleted at end of test. Control valves operated as indicated on closing unit manifold at end of test except control valves to blind rams and pipe rams hooked up backwards (to be corrected as needed). Bop extensions were not hooked up - rig nipping up. No test desired to top casing using packer, nor to the upper kelly cock (not in rig inventory at time of test), to the lower kelly cock (not in rig inventory at time of test), or to the drill pipe safety valve (not in rig inventory at time of test).

YELLOW JACKET TOOLS AND SERVICES, INC.

ODESSA, TEXAS

Test made by Dennie Cypert *Dennie Cypert*