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CRANE #1A WASHDOWN
Pawnee County, KS

The following is a daily completion report on the above captioned well. Daily Completion Supervisor, Terry Williamson.

6/09/84 Moved onto location and rigged up. Swabbed hole down to 3600'. Rigged up Electra Inc. and perforated from 3883' to 3889'. Swabbed the hole down to 3490'. 30 minute test had no fluid, some gas to surface. Rigged up Howco and acidized with 500 gallons of 15% F.E., 76 BBL load back. Swabbed back 64.59 BBLS, flow back 8 BBLS, total of 72.59 BBLS. 30 minute test had 5' fluid with a show of oil and some gas.

6/11/84 Opened the valve on the casing, weak flow. Ran in swab and checked fluid level, fluid at 3600'. Recovered 250' fluid at 17% oil. Called Howco to frac and set in frac tank.

6/12/84 Opened Halliburton's head on the casing, blew off approximately 20 BBLS of water. Hooked up swab tank and blew in 80 BBLS. Swabbed back 127 BBLS of a total of 227 BBLS. Tested -
1st 30 minute test 2.32 BBLS fluid at 19.4% oil, 227 BBLS total.
2nd 30 minute test 2.90 BBLS fluid at 23.7% oil, 229.90 BBLS total.
3rd 30 minute test 3.19 BBLS fluid at 30% oil, 233.09 BBLS total.
4th 30 minute test 3.19 BBLS fluid at 25% oil, 236.28 BBLS total.
5th 30 minute test 2.61 BBLS fluid at 13% oil, 238.89 BBLS total.
6th 30 minute test 1.45 BBLS fluid at 37% oil, 240.34 BBLS total.
7th 30 minute test 3.19 BBLS fluid at 15% oil, 243.53 BBLS total.
8th 30 minute test 3.19 BBLS fluid at 26% oil, 246.72 BBLS total.
9th 30 minute test 2.32 BBLS fluid at 20% oil, 249.05 BBLS total.

6/13/84 Opened the valve on the casing, weak blow. Ran in swab to check fluid level, fluid at 2700'. Swabbed back 22.12 BBLS fluid at 10% oil. Tested -
1st 30 minute test 3.19 BBLS fluid at 54% oil.
2nd 30 minute test 2.32 BBLS fluid at 45% oil.
3rd 30 minute test 1.45 BBLS fluid at 52% oil.
4th 30 minute test 1.45 BBLS fluid at 50% oil.
Ran in 4 1/2 inch sandline pump, pulled 2' sand. Ran in sand pump, pulled out empty. Ran in swab & pulled 2.32 BBLS fluid at 50% oil. Tested -
1st 60 minute test 4.93 BBLS fluid.
1st 15 minute test 5' fluid.
2nd 15 minute test .87 BBL fluid at 46% oil.
1st 30 minute test .29 BBL fluid.

6/14/84 Opened valve on casing, vacuum. Ran in swab to check fluid level, fluid at 3500'. Pulled 6.73 BBLS fluid at 10% with 600' of gas. Tested -
1st 15 minute test 2.03 BBLS fluid at 40% oil with 400' of gas.
2nd 15 minute test .87 BBL fluid at 40% oil with 300' of gas.
3rd 15 minute test 1.16 BBLS fluid at 50% oil with 500' of gas.
4th 15 minute test .87 BBL fluid at 35% oil with 500' of gas.
5th 15 minute test .58 BBL fluid at 43% oil with 400' of gas.
6th 15 minute test .58 BBL fluid at 50% oil with 400' of gas.
7th 15 minute test .29 BBL fluid at 50% oil with 200' of gas.
8th 15 minute test .44 BBL fluid at 50% oil with 400' of gas.
9th 15 minute test .44 BBL fluid at 50% oil with 200' of gas.
10th 15 minute test .29 BBL fluid with 200' of gas.
11th 15 minute test .15 BBL fluid with 200' of gas.
12th 15 minute test .15 BBL fluid with 200' of gas.
13th 15 minute test 5' fluid with 200' of gas.
14th 15 minute test 5' fluid with 200' of gas.
Rigged up Electra Inc. and perforated from 3871' to 3875'. Ran in 4 1/2 inch stem and tagged bottom. Ran in Otis quick retrievable bridge plug and set at 3877'. Ran in Electra Inc. to check location of the plug. Swabbed the hole down, 30' of fluid.
1st 30 minute test 30' fluid with a show of oil with 700' of gas.
2nd 30 minute test 25' fluid at 36% oil with 200' of gas.
3rd 30 minute test .44 BBL, 25' fluid at 42% oil with 200' of gas.
4th 30 minute test 25' fluid at 20% oil with 300' of gas.
5th 30 minute test 25' fluid at 41% oil with 400' of gas.
Rigged up Howco and acidized with 250 gallons of 15% Mod.202 Acid.

6/15/84 Opened the valve on the casing, vacuum. Rigged up swab to check fluid level, fluid at 800'. Swabbed the hole down, swabbed back 69.42 BBLS. Tested -
1st 15 minute test 2.32 BBLS fluid at 5% oil.
1st 30 minute test 2.03 BBLS fluid at 9% oil with 500' of gas.
2nd 30 minute test 2.03 BBLS fluid at 9% oil with 400' of gas.
3rd 30 minute test .87 BBL fluid at 16% oil with 450' of gas.
4th 30 minute test .87 BBL fluid at 15% oil with 300' of gas.
5th 30 minute test .87 BBL fluid at 10% oil with 250' of gas.
6th 30 minute test .73 BBL fluid at 13% oil with 250' of gas.
7th 30 minute test .73 BBL fluid at 18% oil with 250' of gas.
8th 30 minute test .58 BBL fluid at 15% oil with 450' of gas.
9th 30 minute test .58 BBL fluid at 15% oil with 250' of gas.
Ran in Otis catcher and moved the plug to 3640'. Decided to push the plug down to 3680'. Ran in Electra Inc., plug at 3656'. Rigged up stem and pushed to 3680', actual 3711'. Perforated from 3664' to 3667'. Swabbed the hole down, no fluid.
1 hour test had no fluid. Rigged up Howco and acidized with 250 gallons of M.C.A. acid, 67 BBL load back. Swabbed hole down, swabbed back 67.28 BBLS. 30 minute test had no oil.

6/18/84 Opened the valve on the casing, nothing. Ran in swab to check fluid level, fluid at 1650. Swabbed back 36.12 BBLS fluid with a slight show of oil. Tested -
1st 30 minute test 3.48 BBLS fluid, no oil.
2nd 30 minute test 4.16 BBLS fluid, no oil.
3rd 30 minute test 1.74 BBLS fluid, no oil.
Ran in stem and catcher and moved plug to 3640'. Rigged up Wire-Tech and perforated from 3624' to 3627'. Dumped 7.54 BBLS on the plug to release it. After perforating, swabbed back 7.54 BBLS.
1st 15 minute test .29 BBL fluid with show of oil.
1st 30 minute test .29 BBL fluid with show of oil.
2nd 30 minute test .29 BBL fluid with show of oil.
3rd 30 minute test .29 BBL fluid with show of oil.
4th 30 minute test .29 BBL fluid with show of oil.
5th 30 minute test .29 BBL fluid with show of oil.
Rigged up Howco and acidized with 250 gallons of 15% M.C.A. Swabbed back 79.86 BBLS, last pull 11% oil. Tested -
1st 15 minute test 9.28 BBLS fluid at 31% oil.
1st 30 minute test 6.56 BBLS fluid at 18% oil.
1st 15 minute test 6.56 BBLS fluid at 32% oil.
2nd 15 minute test 4.10 BBLS fluid at 23% oil.

6/19/84 Opened the valve on the casing, moderate blow. Ran in swab to check fluid, fluid at 2800'. Swabbed back 19.62 BBLS. Tested -
1st 15 minute test 5.4 BBLS fluid at 14% oil.
1st 10 minute test 5.0 BBLS fluid at 10% oil.
2nd 10 minute test 5.0 BBLS fluid at 21% oil.
3rd 10 minute test 5.0 BBLS fluid at 29% oil.
4th 10 minute test 3.34 BBLS fluid at 40% oil.
5th 10 minute test 3.34 BBLS fluid at 31% oil.
6th 10 minute test 2.50 BBLS fluid at 36% oil.
7th 10 minute test 2.50 BBLS fluid at 36% oil.
8th 10 minute test 2.50 BBLS fluid at 40% oil.
1st 15 minute test 2.50 BBLS fluid at 44% oil.
2nd 15 minute test 1.67 BBLS fluid at 48% oil.
3rd 15 minute test 1.67 BBLS fluid at 54% oil.
4th 15 minute test 1.67 BBLS fluid at 29% oil.
5th 15 minute test 2.08 BBLS fluid at 50% oil.
6th 15 minute test 2.08 BBLS fluid at 42% oil.
7th 15 minute test 1.67 BBLS fluid at 38% oil.
8th 15 minute test 1.61 BBLS fluid at 26% oil.
9th 15 minute test 1.67 BBLS fluid at 43% oil.
10th 15 minute test 1.67 BBLS fluid at 32% oil.
11th 15 minute test 1.67 BBLS fluid at 43% oil.
12th 15 minute test 1.25 BBLS fluid at 25% oil.
13th 15 minute test 1.25 BBLS fluid at 31% oil.
14th 15 minute test 1.25 BBLS fluid at 31% oil.
15th 15 minute test 1.25 BBLS fluid at 37.5% oil.
1st 30 minute test 1.25 BBLS fluid at 19% oil.
2nd 30 minute test 1.25 BBLS fluid at 18% oil.
1st 15 minute test .83 BBL fluid at 18% oil.

6/20/84 Opened the valve on the casing, slight vacuum. Ran in swab to check fluid level, fluid at 3200'. Swabbed back 6.3 BBLS fluid at 7/8% oil. Tested -
1st 30 minute test 5.0 BBLS fluid at 13% oil.
2nd 30 minute test 5.0 BBLS fluid at 6% oil.
3rd 30 minute test 2.5 BBLS fluid at 14% oil.
Rigged up Howco and acidized with 1000 gallons of 15% S.G.A., 92 BBL load back. Swabbed back 87.5 BBLS and tested -
1st 15 minute test 4.17 BBLS fluid at 15% oil.
2nd 15 minute test 2.82 BBLS fluid at 11% oil.
3rd 15 minute test 3.75 BBLS fluid at 11% oil.
4th 15 minute test 3.34 BBLS fluid at 18% oil.
5th 15 minute test 4.17 BBLS fluid at 15% oil.
6th 15 minute test 2.50 BBLS fluid at 15% oil.
7th 15 minute test 2.50 BBLS fluid at 11% oil.
8th 15 minute test 2.50 BBLS fluid at 10% oil.
1st 30 minute test 1.67 BBLS fluid at 12.5% oil.
2nd 30 minute test 2.50 BBLS fluid at 8% oil.
Rigged up Otis plug catcher. Ran in catcher and dumped 98 BBLS on the plug to release it, got the plug out.

6/21/84 Ran in swab to check fluid level, fluid at 2100'. Swabbed back 84 BBLS, last pull had a show of oil.
1st 15 minute test 6.96 BBLS fluid with show of oil.
2nd 15 minute test 6.07 BBLS fluid with show of oil.
3rd 15 minute test 5.51 BBLS fluid with show of oil.
4th 15 minute test 5.80 BBLS fluid with show of oil.
5th 15 minute test 5.51 BBLS fluid with show of oil.
6th 15 minute test 5.51 BBLS fluid with show of oil.
7th 15 minute test 5.22 BBLS fluid at 1% oil.
8th 15 minute test 4.35 BBLS fluid with show of oil.
9th 15 minute test 4.93 BBLS fluid with show of oil.
10th 15 minute test 4.35 BBLS fluid at 8% oil.
11th 15 minute test 4.17 BBLS fluid at 13% oil.
12th 15 minute test 4.17 BBLS fluid at 15% oil.
13th 15 minute test 4.17 BBLS fluid at 22% oil.
14th 15 minute test 3.75 BBLS fluid.
15th 15 minute test 2.92 BBLS fluid.
Rigged up power tongs, blocks and tubing sills to run tubing and rods.

6/22/84 Drove to Great Bend and picked up wellhead, 2 inch subs and 3/4 inch subs. Went to location and waited on mud anchor, 6 x 4 1/2 inch nipple, pump, gas anchor, float T, stuffing box, clamps, polish rod and liner. Ran in 125 joints of 2 inch tubing with mud anchor and seating nipple. Spaced mud anchor 3' off bottom with 1-6' & 1-10' x 2 inch subs. Stripped wellhead and nipple over tubing and hooked up. Ran in gas anchor, pump and 1-2' x 3/4 inch sub. Ran in rods and spaced subs, polish rod, stuffing box and clamps. Rigged down and moved off of location.