

SOUTH MATTIX UNIT # 24 RECOMPLETION

RECOMMENDED PROCEDURE

1. MIRU Pulling unit. POH with rods and pump and 2 7/8 inch tubing.
2. RU wireline unit and make gauge ring junk basket run to 7450 feet. RIH with CIBP and set at approximately 7425 feet. Dump bail 35 feet of cement on top of plug.
3. RIH with 2 7/8 inch tubing and retrievable packer to a depth of approximately 7200 feet and circulate well over to 2% KCL water. Pull packer to depth of 7000 feet and set packer. RU swab equipment and swab well down to a depth of 6000 feet.
4. RU perforating company and perforate Silurian Formation from 7118-7160 feet with thru tubing gun using 2 JSPF. Record shut-in tubing pressures before and after each perforating run.
5. Swab test well or flow test to evaluate completion.
6. If swab test is encouraging acidize well ~~with~~ 3000 gallons of 15 % Hcl with ball sealers.
7. Swab or flow test well. If encouraging test obtained complete well in the Silurian Formation. If unsuccessful test obtained, proceed to step # 8. Note: If Silurian test is unsuccessful will want to lay down rod string prior to proceeding to Upper Paddock recompletion.
8. POH with tubing and packer. RU wireline company and make gauge ring and junk basket run to 7050 feet. Set CIBP at approximately 7025 feet and use dump bailer to cap with 35 feet of cement.
9. RIH with tubing and packer to a depth of approximately 4700 feet. Circulate and spot packer fluid containing corrosion inhibitor and oxygen scavenger. Set packer. Swab well down to a depth of approximately 4000 feet.
10. RU perforating company and perforate Upper Paddock Formation from 4795-4800 feet and 4816-4820 feet using a thru tubing gun loaded with 2 JSPF. Record shut-in tubing pressures before and after each perforating run.
11. Swab or flow test well. Consider acidizing well with 1500 gallons of 15 % HCL with additives and ball sealers.
12. Place well on production and move out pulling unit.
13. Depending on production test rate additional perforations may be added from 4830-4838 feet.