

XL Pumping Service

THORNTON HOPPER, PETROLEUM ENGINEER, OWNER

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TELEPHONE: 377-2261 MENTONE

October 30, 1991

New Mexico Oil Conservation Division
Artesia District Office
P. O. Drawer DD
Artesia, New Mexico 88211

RE: Thornton Hopper Operator
T/A Wells in Black River Pool (Delaware)
Sec. 11, T24, R26

Dear Sirs:

My problem with getting the above wells back on production is the lack of an SWD well. As you know, the injection pressure on the original SWD well rose to 800 psi and I could not get it down to the 600 psi maximum allowed.

I have pulled the rods and tubing from the former producer #8 and cleaned it out to TD. I found that the well had a packer set at 1600' with tubing and seating nipple below at 1900' approximately. I ran Baker packer on 2" tubing and set at 1908'. Well will take water on vacuum, but has a small hole approximately 900' to 1000' down. This is an estimate based on a "tight" place when running packer in the 7" Casing. The Casing could be filled, but would not pressure up and the fluid would drop at a rate of 1/2 BPM.

Past experience indicates that the "odds are slim to none" on repairing the hole to stand a reasonable amount of pressure (400 psi). A sure way to accomplish the task would be to run 4 1/2" Casing to 1930' with a Halliburton packer shoe and cement with 75 sacks. This would put the top of the cement about 1100' down. This would correspond to the calculated top of cement behind the 7" Casing now in place.

When the well is plugged in the future, the 4 1/2" Casing can be cut off and pulled and then the same procedure followed as would be required now (perforating and backing 7" at the desired intervals).

I believe the cost will be fairly reasonable and will guarantee a good SWD well. If approval of this procedure is granted, I will make application to change this well to an SWD well. When the permit is issued, I will proceed with the operation and will begin starting up the temporarily abandoned wells as rapidly as possible. I believe I can get all wells producing in a six to eight month period.

The entire lease development is dependent on having an efficient SWD well.

Thank you for your patience and consideration.

Yours truly,

Thornton Hopper

TH/bjd

Post-It Fax Note 7671		Date 10-30-95	# of pages 4
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