

CATCLAW DRAW UNIT #14

- 15) After pressuring up tubing with Nitrogen to 2500 psi, rig up Schlumberger's full lubricator as soon as possible.
- 16) Maintain 2500 psi of Nitrogen pressure and RU to start perforating. We plan to perforate with Schlumberger's 1-11/16" pivot gun with a 34 J-UCP-RDX charges. (See attached data.)

Schlumberger estimates that this perforating job could take up to 3 days! I suggest perforating the bottom 2-4 intervals on the first day, then flowing the well for 2-3 hours in the late afternoon to clean up. Then leave the well shut-in overnight and we should have well gas (and pressure) to finish the perforating.

- 17) Perforate the following intervals, 4 spf, correlated to the Schlumberger 8/8/80 Compensated Neutron/Formation Density Log.

<u>Zone</u>	<u>Depth</u>	<u>Interval Footage</u>
Morrow "A"	10,129-10,140'	(11')
Morrow "B"	10,184-10,200'	(16')
Morrow "B"	10,240-10,250'	(10')
Morrow "B"	10,254-10,262'	(8')
Morrow "B"	10,268-10,273'	(5')
Morrow "B"	10,284-10,296'	(12')
Massive Shale*	10,312-10,325'	(13')
Massive Shale*	10,330-10,340'	(10')
TOTAL		85'

* Or the Nan-Bet stray

- 18) Finish all perforating, note if problems develop with the pivot gun that cannot be corrected, finish perforating with 2 1/8" Energet guns.
- 19) RD Schlumberger and lubricator.
- 20) Flow test well to clean up.
- 21) At this point, if the well flows good we will put it down the sales line for 7-10 days and then run a build-up (4-day) test (similar to Step 1 but with 5000 psig gauges and 4 hours flow time with bombs at 10,250' or set in packer) and 4-point test. Also obtain a gas sample for analysis.
- 22) After testing put well back down sales line and pressure build-up test will be evaluated as to the need for additional stimulation.