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CODELL - NIOBRARA RECOMPLETION PROCEDURE

- 1) Isolate existing J-Sand perforations.
- 2) Perforate C/N Zones
- 3) Frac C/N
- 4) Clean up C/N & Produce.
- 5) Kill well and un-isolate J-Sand
- 6) Swab well in and return well to production from C/N - J-Sand, comingled.

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RESERVOIR DATA
Four Wells*

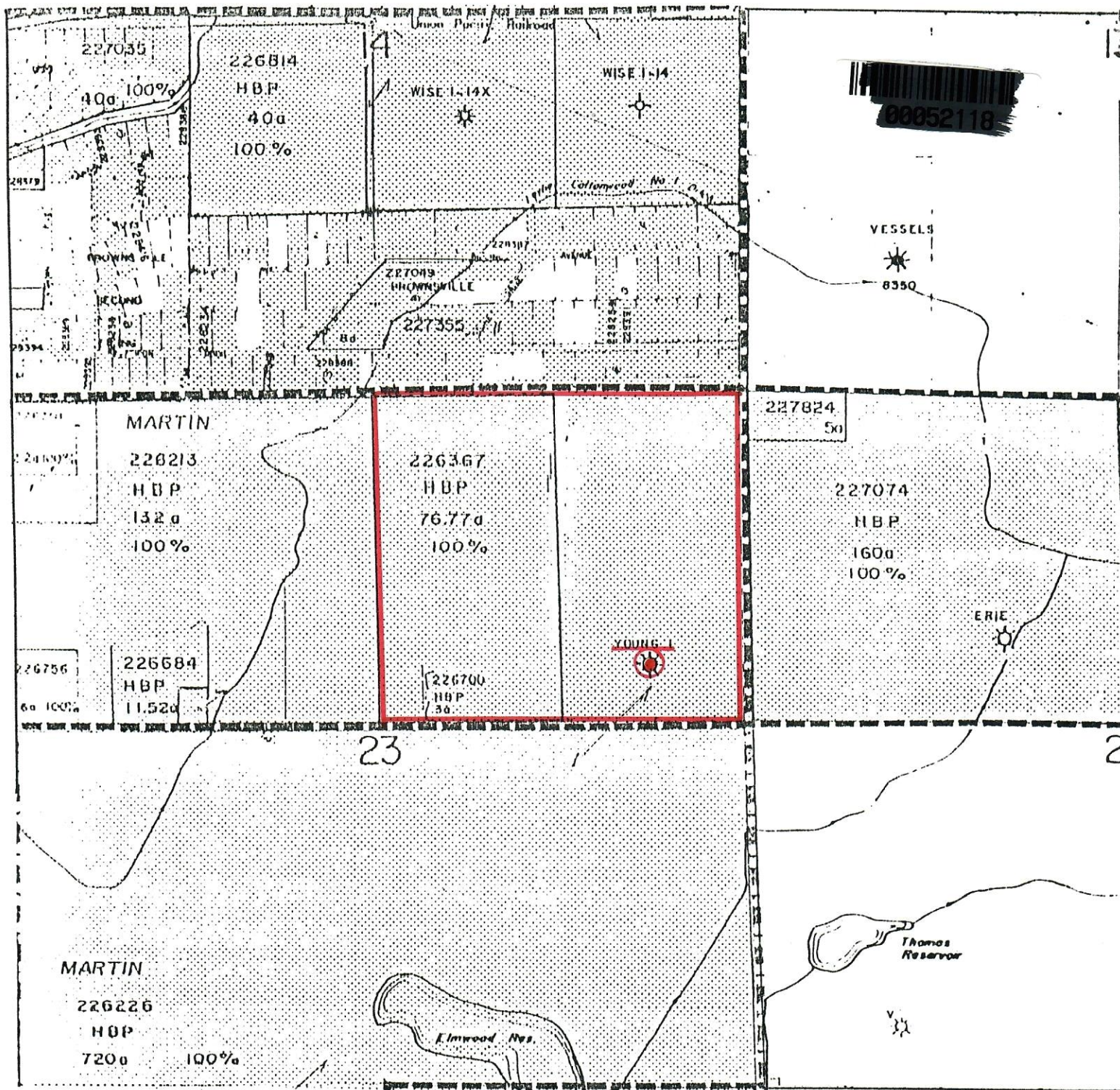
CODELL/NIOBRARA

J-SAND

Depth	7000' - 8000'	7500' - 8500'
Reservoir Temperature (F)	200 - 250 degrees	185 - 250 degrees
Initial Reservoir Pressure	(approx) 3500 psi	(approx) 2500 - 3000 psi
Permeability	< 0.1 md	< 0.1 md
Porosity (Logs)	10 - 16%	8 - 12%
Oil Gravity (°API)	40 - 45 degrees	40 - 45 degrees
Gas Specific Gravity	0.70 - 0.85	.65 - .75
Water Production	0 - TSTM	0 - TSTM

* Garcia #1
Cattel #1-10
Rockwell #1-1
Young #1-23





YOUNG # 1 - 23

SECTION 23, T1N R69W
BOULDER COUNTY, CO

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