



Greenwood
Holdings Inc.

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WORKOVER

WELL NAME: Kirtland #1
LOCATION: Sec 13-T29N-R15W
Cha Cha Gallup
San Juan, NM
OPERATOR: Greenwood Holdings Inc.
INTEREST: W.I. 84.45743

8-15-88 MIRU, pulled 10,000# never felt pump unseat, maximum pull 16,000# possible paraffin although well was hot oiled last week, pulled 156 3/4" rods, 23 5/8" rods, 1 2' 5/8" pony rod, install BOP, TOH w/tbg, pulled 72 stnds (144 jts), tallied 4538.92', made csg scraper run to 3341' (did not run to TD in order to save time to perf, delays caused by thunderstorms & tbg slips breaking), POH w/scraper, PU 4 1/2" retrievable BP & RIH & set @ \pm 3270', PU 1 stnd & dump 1 sx of sand on top of BP, pulled 1 stnd & attempt to top load hole, SDFN. CC: \$5,025.00

8-16-88 Mixed 3% KCL H₂O to load hole, RU pump, load hole, press test csg to 1450psi, pumping max load, bled off 50 psi in 10min due to leak in well head, repaired, held @ 500 psi for 3 min, pulled 10 stnds, swabbed down, TIH w/tbg, RU Jet West to perf, run Gamaray Casing Collar Log, tagged btm @ 3256', 10' of sand on plug, plug @ 3266', perf 3174'-84' & 3192'-96', FL @ 2000' prior to perf, PU 2nd gun, perf 3146'-57', FL 1920', RD Jet West, TIH w/50 stnds, SN on btm, well was gassing while TIH. CC: \$9,030.00

8-17-88 SITP 120#, SICP 30#, PU 1 jt & RIH, ran swab, hit fluid @ 2200' or 2900' because of gas pockets, got water truck & treatment chemicals & circ clean, TOH w/tbg, SDFN. CC: \$10,830.00

8-18-88 RU Smith Energy Svce & frac, open well @ 9:53AM, flow back till 12 midnight, rec 199 bbls load H₂O, SD @ 4:00PM to run Temperature Tracer Logs, logs showed top of frac zone \pm 3145', couldn't tell btm due to sand fill, SICP 100# psi, open @ 4:40PM, decrease to 20# psi, log showed top of frac \pm 3148' (btm 2 sets of perfs covered w/sand fill), tagged sand @ 3168'. CC: \$24,385.00

8-19-88 Flowback frac job, catch sample, analysis indicates sample is 99% Mesa Verde formation water @ 440 bbls produced.

K	800	CL	23200
NA	13500	SO ₄	900+
CA	818	TDS	39900
Mg	378	Ph	7.5
Rw	.21 @60°F	SpGr	1.03

TIH w/tbg & circ sand out to a depth of apprx 3246', run temp & tracer logs, logs showed fracture top @ 3140', land tbg w/99jts in hole @ 3120', will run pump & 3/4 rods tomorrow & release rig & equip. CC: \$28,340.00

8-20-88
thru 8-23-88 SI

8-24-88 Pumped for 12hrs, SICP 0#, rec 42BW, tr gas, no oil.

8-25-88 Pumped 24hrs, SICP 250#, rec 86BW, tr oil.

8-26-88 Pumped 24hrs, SICP 250#, rec 75bbls water, tr oil, opened well, bled down to 100psi in 2-3 minutes, in 3hrs when Phil returned had built back to 250psi.

8-27-88 Pumped 24hrs, SICP 250#, rec 67BW, tr oil, opened well, bled down to 25# in 10min.

8-28-88 Pumped 24hrs, SICP 180#, rec 68BW, tr oil.

8-29-88 Pumped 24hrs, SICP 138#, rec 62BW.

8-30-88 SICP 138#, rec 62BW.

8-31-88 SICP 138#, FL @ 50', rec 62BW, opened well, bled to 0# in 20 minutes.

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9-01-88 SICP 40#, FL @ 50'.