

RT 23 FEDERAL WELL NO. 1  
360' FSL and 660' FEL  
Section 23, T-22-S, R-32-E  
Lea County, New Mexico  
PTD: 9,000' Delaware  
Pogo WI: 100%

Page 2  
Exeter Rig #66  
Spud: 9/10/92

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- 10/15/92 TD 10,066 - Run in hole with Circ.  
RIH to plugback @ 10,018', no fill. POOH with 4-3/4" bit. L/D DC, R/U Wedge Wireline, ran CBL 2000' minimum 10,018' to 9,019', good bond 9942' to 9774'. Poor below 9942', shot squeeze hole 9980'-2', R/D Wedge Wireline.
- 10/16/92 TD 10,066' - Finish POOH, RIH w/bit & drill out to new PBTD 9875'. TIH w/cement retainer to 9984', R/U Wedge Wireline, spotted retainer w/Gamma Ray, spotted acid, P/U & set retainer @ 9975'. Broke down squeeze Perfs 9980'-82' w/2700 Psig. Communicated with perfs @ 9960'-82'. Squeeze perfs 9980'-82' w/100 sx "H" neat 15.6 ppg, allowed 4 bbl communication between perfs. P/U 40 jts tbgs., reversed out, SI well w/500 psi on same, SDFN.
- 10/17/92 TD 10,066' - PBTD 9,975'. Finish POOH w/ retainer stinger - P/U 4-3/4" bit & BHA - TIH to cmt @9286' - drill soft cmt to 9975 - very soft last 4 jts - circ hole clean w/ 2% KCl - P/U 10 stands. SDFN.
- 10/18/92 TD 10,066' - Test scg - squeeze perfs leaking - inj rate 1.3 BPM 1450 Psig - POOH w/ bit - TIH w/ Howco EZ SJ retainer - set @ 9850' - squeeze perfs 9960-62 w/ 100 sks Premium - final squeeze pressure 1500 Psig - Reverse 5 bbls cmt - POOH w/ tbgs & retainer stinger
- 10/19/92 TD 10,066' - TIH w/ 4-3/4" bit + BHA + 2-7/8" tbs - top of cmt @ 9828' - drill cmt & retainer to 9975 - Tested perfs to 1500 Psig (ok) - circ hole w/ 2% KCl. SDFN.
- 10/20/92 TD 10,066'. Shut down preparing to frac Wednesday 10/21/92. POOH w/ 4-3/4" bit - L/D BHA - Wedge W/L perf'd 5-1/2" csg for production 9932-48. TLH w/ Guiberson UNI VI pkr - tested tbgs to 7000 Psig above slips - correlate pkr position w/ Wedge - packer currently @ 9915'.
- 10/21/92 TD 10,066'. W/O frac - scheduled for 10/21/92 p.m.
- 10/22/92 TD 10,066'.  
RIH w/ Guiberson UNI VI w/ on-off tool to 9948' - spot 3 bbls 15% HCl inhibited acid across Bone Spring perfs 9932-48' - P/U to 9915' - reverse excess acid - set pkr w/ 15 pts compression @ 9915' - N/D BOP - N/U trees - test pkr 1000 Psig & lines to 5200# - break dn perfs w/ 2310 Psig - acidize w/ 1000 gals 15% HCl inhibited. Acid Engineering frac'd well w/25,000 gal 35 lb X-L pad - AIR 20 BPM 6700 Psig - propped w/20,000 lbs 20/40 PR5000 - flowed 7 hrs on adj choke, recovered 370 BLW - short 878 BLW - last hour on 16/64" ck, FTP 550 Psig - making load @ 1 BPM w/ small gas show.

RECEIVED

APR 28 1994

U.S. HOUSE  
OFFICE