

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%

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Exeter Rig #66  
Spud: 9/10/92

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10/03/92 TD 10,066' (made 132' / 14' per hr) Logging 7-7/8" hole with BPB.  
MW 8.4, Vis 28, PH 11.0

10/04/92 TD 10,066' (made 0') Running 5-1/2" casing. MW 8.4, Vis 28, PH 10.

10/05/92 TD 10,066' (made 0') Washing pits.

10/06/92 TD 10,066' - released rig.

10/07/92 WOCU - will start this a.m.

10/08/92 TD 10,066' - MIRU Pride Well Service - P/U 4-3/4" bit to (6) 3-1/2"  
DC - TIH w/ 2-7/8" tbg - tag cmt @5,337 - Drill cmt & stage tool to  
5412 - TIH to cmt @7432 - Drill to 7513 (2<sup>nd</sup> stage tool), SION.

10/09/92 TD 10,066' - SD to evaluate log.  
Drilled cmt 9940 to 10,028 - circ w/ 2%KCl - tested csg to 3000 Psig  
- POOH - R/U Schlumberger - Ran CET & CBL - will SD to evaluate log.

10/10/92 TD 10,066' - SD for log evaluation.

10/11/92 TD 10,066' - POOH w/sqz Pkr.  
Schlumberger perf'd squeeze holes 9904-06 & 9960-62 2 spf 120° phase  
- TIH w/ Guiberson squeeze pkr - spot 250 gals 15% HCl across perfs  
- P/U & set pkr @9513 - Broke dn perfs @ 1800 Psig - inj rate 2 BPM  
- acidize w/ 750 gals @ 4 BOM 2400 Psig - ISIP 1600 PPg - squeezed  
w/ 100 sks low waterloss "H" 15.6 PPg - tailed w/ 100 sks neat 15.6  
PPg - final squeeze pressure 1650 Psig - cmt top calc 9700' - SDFN.

10/12/92 TD 10,066 - POOH w/bit & DC's.  
Pressure up to 3000 Psig - release pkr - POOH - TIH w/ 4-3/4" bit &  
DC's - drilled cmt 9657 to 9925' - tested perfs 9902-04 - injected  
@ 1600 Psig 2 BPM - SDON - P/O POOH w/ bit to P/U pkr.

10/13/92 TD 10,066' - POOH w/pkr.  
Circ bottom up - recovered acid gas & trace oil - POOH w/ 4-3/4" bit  
- TIH w/Guiberson Squeeze Pkr - set @ 9513' - squeeze (9904-06') w/  
50 sks low wtr loss "H" 15.6 PPg - tailed w/ 50 sks "H" Neat 15.6  
PPg - Final Pumping Pressure 2160 Psig 1 BPM - Final Static 1750  
Psig - SDFN.

10/14/92 TD 10,066' - Check for fill, POOH.  
Release packer - POOH - P/U 4-3/4" bit and BHA, TIH to cement @  
9715'. Drill hard cement to 9925', test perfs (9904'-26') with 1500  
psig (O.K.). Drill soft cement to 9970' - end of cement, continue  
cleaning out to PBTD 10,018'. Test perfs 9960'-62' with 1500 psig  
(O.K.). P/U above perfs.

**RECEIVED**

DEC 29 1994

JCD HOBBS,  
OFFICE