

THE WESTERN COMPANY

11/66)

"Engineered Well Services"

GENERAL OFFICES - FORT WORTH, TEXAS

TREATMENT REPORT



11/74
 Hobbs, New Mexico Field Receipt No. 94252 Stage No. 1
 Enberg & Associates Lease Fed. GR Well No. 4
 Creek Location 28-17S-25E County Eddy, State New Mexico
 Old Well Depth 1410 PB 1410 Formation San Andres
 Tubing Perf. Type Packer Set At
 1 1/2" Wt. 9.5# Set From 0 1410
 e Size 38 No. Per Ft. 1 Intervals 1239 - 1366 27 Holes
 Treatment 500 Gallons 15% Acid Prior Production None
 DATA:
 1% KCL Water
 80,000 Gallons Gelled 1% KCL, 2500 Gallons 15% Acid
 64,000# 20/40 Sand, 16,000# 10/20 Sand
 40 Gallons Aqua Flow, 6800# KCL, 1600# J-2, 300# F-11
 in Stages of
 Fracmaster's 1111
 Acidize and Fracture Casing Perfs via Casing

CAPACITIES & FLUID PUMPED:	
Tubing Cap.	22.2
Casing Cap.	
Annulus Cap.	
Open Hole Cap.	
Fluid to Load	
Fluid Volume	192
Treating Fluid	1738
Flush	22
Overflush	88
Total to Recover	2040

Pressure - Psi	Bbl Fluid Pumped	Inj. Rate BPM	REMARKS
3600			Test Lines - Safety Meeting
3600	48	56	Start Acid and Breakdown.
2850	240	56	Start Pad.
3950	798	49	Start Frac @ 1/2#, Increase to 1 1/2# in 400 Barrels.
3850	914	52	Well Screening Out, Slow Sand.
3700	1328	46	Resume Frac @ 1/2#, Increase to 1 1/2#.
3700	1383	46	Start 10/20 @ 1/4#.
3750	1641	43	Increase 20/40 to 1 3/4#.
3650	1711	41	All 20/40, Increase 10/20 to 1/2#.
3650	1835	41	Increase 10/20 to 3/4#.
3550	1930	42	All Frac, Start Flush.
3400	2040	43	Flush Complete.

Pressure - Min. 2850 Max. 3950 Avg. 3700
 Treating Fluid 56
 Flush 43
 1050 Type Fluid 1% KCL
 Pressure 800 in 10 min.
 Pump Pressure 4000

Customer Representative Mr. Jim McWilliams
 Western Representative Mr. Jim Breeding
 Distribution
 5cc: 1950 Prudential Plaza, Denver, Colo.
 80202, Attn. Mr. Cecil Gritz
 1cc: Hobbs District Office

