

THE WESTERN COMPANY

"Engineered Well Services"

GENERAL OFFICES - FORT WORTH, TEXAS

TREATMENT REPORT



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OCT - 4 1974
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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OCT 8 1974

D. C. C.
ARTESIA, OFFICE

Form PS-8 (Rev. 11/66)

DATE: 7/9/74

Western District Hobbs, New Mexico Field Receipt No. 87572 Sig. No. 1

Operator Jack Grynberg & Associates Lease CR Fed. #3

Field Agua Creek Location 28-178-23E County Eddy State New Mexico

WELL DATA:

New Well ☒ Old Well ☐ Depth TD/PERF 1500 Formation San Andres

Size Tubing 4 1/2" Tubing Perf. 0 Type Packer Set At 1

Size Casing 4 1/2" Wt. 9.5# Set From 0 To 1500

Size Liner 0 Wt. 0 Set From 0 To 0

Open Hole: Size 0 From 0 To 0

Casing Perfs: Size .375 No. Per Ft. 0 Intervals 1269 - 1357 24 Holes

Previous Treatment None Prior Production None

TREATMENT DATA:

Hole Loaded With KCL Water

Treating Fluid 80,000 Gallons Gelled 1% KCL, 2500 Gallons 15% Acid

Propping Agent 64,000# 20/40 Sand, 16,000# 10/20 Sand

Auxiliary Materials 40 Gallons Aqua Flow, 6800# KCL, 1600# J-2, 300# F-11

Ball Sealers: 0 in 0 Stages of 0

HHP Used 4 Fracmaster's 1111

Procedure Acidize and Fracture Casing Perfs via Casing with 80,000 Gallons Gelled 1% KCL

CAPACITIES & FLUID PUMPED:

Tubing Cap. 22.1

Casing Cap. 0

Annular Cap. 0

Open Hole Cap. 0

Fluid to Load 0

Pad Volume 190

Treating Fluid 1691

Flush 22

Overflush 78

Total to Recover 1981

Time	Treating Pressure - Psi	Bbl Fluid Pumped	Inj. Rate BPM	REMARKS
PM	Tubing	Casing		
5:07	2800			Start Acid and Breakdown.
5:09	3450	48	51	Start Pad.
5:12+	3500	238	52	Start Frac @ 1/4# 20/40, Increase to 1# in 150 Barrels.
5:18+	3500	490	56	Increase Sand to 1 1/4#.
5:24+	3350	851	58	Formation Breaking Back 100#.
5:28+	3250	1049	59 1/2	Start 1 1/2# 20/40.
5:31	3150	1168	60	Start 2#.
5:35+	3000	1419	62	Start 1/4# 10/20, Increase to 1/2#.
5:38	2900	1580	61	Start 1# 10/20.
5:39+	2900	1658	62	Start 1 1/2# 10/20.
5:43+	2900	1881	62	All Frac - Start Flush.
5:45+	2900	1981	62 1/2	Flush Complete.

ISDP - 1300#
5 Min. - 750#
10 Min. - 700#

Treating Pressure: Min. 2800 Max. 3500 Avg. 3300

Inj. Rate On Treating Fluid 62

Inj. Rate On Flush 58

Avg. Inj. Rate 59

I.S.D.P. 1300 Type Fluid 2% KCL

Final Shut-in Pressure 650 in 15 min.

Operator Maximum Pressure 4000

Customer Representative Mr. Jim McWilliams

Western Representative Jim Breeding

Distribution 5cc: 750 Pet. Bldg., Denver, Colorado

Rec: Hobbs District Office

