Halliburton COMPANY

FORM 1445 R1

CHEMICAL SERVICE TREATING REPORT

Ticket No. CH 158733
Stage No. 1
Page No. 1

Halliburton District Farmington Sec. ____ Twp. ____ Rng. ____ County Rio Arriba State N.M.

THE FOLLOWING INFORMATION WAS FURNISHED BY THE WELL OWNER OR HIS AGENT:

Date Completed ____ Formation ____
Casing: 4½ Wt. 11.60 Depth ____
Liner: OD ____ From ____ To ____
Perf.: From 7169 To 7174 Shots/Ft. 2
Perf.: From 7186 To 7192 Shots/Ft. 2
Perf.: From ____ To ____ Shots/Ft. ____
Open Hole: Size ____ From ____ To ____

Prev. Treat: Date ____ Type ____
Fluid: Gal. ____
Pres. Treat: Interval: From ____ To ____
Tubing: Size ____ Depth ____
Packer: Type ____ Set at ____
Max. Allowable Pres.: PSI Tubing ____ Casing ____
Treat Thru: Tubing ☐ Annulus ☐ Casing ☐ Tubing/Annulus ☐

MATERIALS USED

Type Treatment 125 gal. HF Acid
Breakdown Fluid Type Acid Vol. Used 125 gal.
Flush Fluid Type Water Vol. Used 140
Surfactant: Type ____ Concentration ____
Acid: Type HF Gal. 125 % 15
Acid: Type ____ Gal. ____ % ____
Acid: Type ____ Gal. ____ % ____
Acid: Type ____ Gal. ____ % ____
Fluid Loss Add.: Type ____ Gal. Lb. ____
Perfpac Balls: Type 7/8" RCN No. 15
Blocking Agent: Type ____ Gal. Lb. ____
Gelling Agent: Type ____ Gal. Lb. ____
Other Materials ____

TREATMENT SUMMARY

Trucks (No. and Type) 7799 HT-400
Hyd. HP Available ____ Used ____
Pumps On Tubing ____ Casing 1
AVERAGE RATES—BPM
Treating 8 Displ. 8 Overall 8
PRESSURES—PSI
Breakdown 2100 Maximum 2500
Minimum ____ Displacement ____
Instant Shut-In 2000 5 Min. 1800 Final 1800
ADDITIONAL REMARKS:

TREATING LOG

TIME	TREATING LOG AND REMARKS	RATE BPM	PUMPS	Pressure—PSI Casing	Pressure—PSI Tubing
8:30AM	Un-plug tubing		1		4000
9:00	Circulate hole	5	1		2000
9:30	Spot acid	5	1		2000
4:12PM	Breakdown and pump acid away			2100	
4:14	Flush	8	1	2500	
4:30	Shut in			1800	

Chemical Services Operator Baker
Company Representative Mr. Flint

Customer Company RGO, Inc. Field Escrito Lease Nancy Well No. 3 Date 5-10-68