

The Western Company of North America TREATMENT REPORT

8-14-80 Farmington (31) 256398
Operator JOHN H. HILL, ETAL 41325
Base Newsom B 14E
Field Basin Dakota 9, 26n, 8w
County San Juan State New Mexico
Stage Number I This Zone This Well

WELL DATA: OG ☐ NG ☒ NO ☐ WD ☐ IW ☐ Misc. ☐ Depth TD/ABX 6595 Formation Pictured Cliff
Size Casing 5.5 Tubing Perf. Type Packer
Liner Set From To Set From surface To 7000 Size Liner Cer. Dr.
Casing Perforations: Size .39 Holes Per Foot Open Hole Size From To Wt.
2356, 2357, 2358, 2359 (13 holes) Intervals 2266, 2267, 2268, 2269, 2270, 2352, 2353, 2354, 2355,
Previous Treatment None

TREATMENT DATA: Pad Used: Yes ☒ No ☐ Pad Type 70% Foam Prior Production None
Treating Fluid Volume Gals 9903 Treating Fluid Type: Oil ☐ Water ☐ Acid ☐ Misc. ☐ Foam ☒ Emulsion ☐
Fluid Description 70% Foam
Total Prop Quantity 35,000 Lbs. Prop Type: Sand ☒ Beads ☐ Special ☐ None ☐
Prop Mesh Sizes, Types and Quantities 35,000# 10/20 sand
Hole Loaded With formation water Treat Via: Tubing ☐ Casing ☒ Annul ☐ Tubing & Annul ☐
Ball Sealers In Stages of
Types and Number of Pumps Used (1) Buffalo
Auxiliary Materials 250 gal 15% HCL; 1270# KCl; 46 gal Adfoam

FLUID PUMPED AND CAPACITIES IN BBLs.
Tubing Cap -
Casing Cap 146.41
Annular Cap -
Open Hole Cap -
Fluid to Load 56.5
Pad Volume 34.9
Treating Fluid 144.4
Total 238.7

Procedures Run 250 gal 15% HCL spearhead acid to breakdown formation; flush with 50.5 bbl water; run 34.9 bbl pad; run 1# for 36.4 bbl; 108 bbl with 2#/gal; run 2.9 bbl flush (Newsco); finish flushing

Time	Treating Pressure-Psi	Barrels Fluid Pumped	Int. Rate B P M	REMARKS
5:50	500	0	2.4	Test lines to 4000#
5:51	700	6	5.7	Start acid
5:55	1050	50	9.7	All acid, start water
5:57	1100	56.5	9.7	Acid on formation
6:11	350	0	4.6	Acid on formation, shutdown
6:16	1400	34.9	4.5	Start pad
6:22	1400	50.3	4.5	Start 10/20 sand @ 1#/gal
6:26	1450	71.3	4.5	10/20 @ 1#/gal. on formation
6:30	1450	86.3	4.5	Start 10/20 sand @ 2#/gal
6:50	1500	179.3	4.5	10/20 sand @ 2#/gal on formation
6:52	1500	181.2	4.5	Start flush
6:58	1600	181.2	0	Out of water, shutdown, Newsco finish flush
(6) JOHN H. HILL, ETAL, SUITE 140 Campbell Centre, 8350 N. Central Expressway, Dallas, Tx 75206				
(2) LEON WIEDERKEHR, 7607 Bookhollow Cove, Austin, Texas 78752				
(3) SUPRON ENERGY, Haskell Fleetwood, Bldg 5 5th Floor, 10300 N. Central, Dallas, Texas				
(2) WILLIAM MOSS/LEO PATTERSON, 3303 Lee Parkway, Dallas, Tx 75219				
(2) J.A. HUMPHREY, 1100 1st Nat'l Bank Bldg/Dallas, Tx 75202				
(2) LAURENCE H. AMOUR, JR. 1355 S. LaSalle, Chicago, Ill 60603				
(2) WESTERN CO., Tom Larimore, Box 186, Ft. Worth, Texas 76101				
(2) U.S.G.S., Box 959, Farmington, N.M. 87401				
(1) N.M. OIL & GAS COMM, 1000 Rio Brazos Rd., Aztec, N.M. 87410				

Treating Pressure: Min 500 Ma 2400 Avg 1400
Int. Rate on Treating Fluid 4.5 Rate on Flush 4.5
Avg Int. Rate 4.5 S.O.P. 1600 Flush Dens. lb/gal 70% Foam
Final Shut-in Pressure 1600 in 15 Minutes
Operator's Maximum Pressure 3500
Job Number 588807
cc: Farmington District

Customer Representative Herman Wallis
Western Representative Pete Heiser
Distribution SEE ABOVE

