

The Western Company of North America TREATMENT REPORT		Date 8-14-80 Western District Farmington (31) F. Reelot 256396 Operator JOHN H. HILL 41325 Asset Hodges Well #17 Field Ballard P.C. Location 21. 26n. 8w County San Juan State New Mexico Stage Number I This Zone ☐ This Well ☒	
WELL DATA:		OG ☐ NG ☒ NO ☐ OO ☐ WO ☐ IW ☐ Misc. ☐ Depth 182377 Formation Pictured Cliff Size Tubing ☐ Size Tubing ☐ Set From ☐ Type Packer ☐ Set At ☐	
Size Casing 2-7/8 Wt. 6.5 Set From surface To 2377 Size Liner ☐ Wt. ☐		Liner Set From ☐ To ☐ Open Hole: Size ☐ From ☐ To ☐	
Casing Perforations: Size .43 Holes Per Foot 1 Intervals 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2282, 2284, 2286, 2288, 2294, 2296, 2298 (14 holes)		Prior Production None	
TREATMENT DATA:		Pad Used: Yes ☒ No ☐ Pad Type 70 Quality Foam Treating Fluid Type: Oil ☐ Water ☐ Acid ☐ Misc. ☐ Foam ☒ Emulsion ☐	
Treating Fluid Volume Gals. 8156 Fluid Description 70 Quality Foam		FLUID PUMPED AND CAPACITIES IN BBLs.	
Total Prop Quantity 35,000 Lbs. Prop Type: Sand ☒ Beads ☐ Special ☐ None ☐		Tubing Cap. ☐	
Prop Mesh Sizes, Types and Quantities 35,000# 10/20 sand		Casing Cap. 13.8	
Hole Loaded With formation water Treat Via: Tubing ☐ Casing ☐ Anul ☐ Tubing & Anul ☐		Annular Cap. ☐	
Ball Sealers: ☐ In ☐ Stages of ☐		Open Hole Cap. ☐	
Types and Number of Pumps Used (1) GRB 1000		Fluid to Load 15.3	
Auxiliary Materials 250 gal 15% HCl; 1 gal I-15; 1280# KCl; 46 gal AdoFoam		Pad Volume 35.2	
Procedure Breakdown formation with 250 gal 15% HCl spearhead acid; flush acid with 9.3 bbl water; run 35.2 bbl 70% foam pad; 35.2 bbl with 10/20 @ 1#/gal; 106.9 bbl with 10/20 @ 2#/gal; flush to top perforation with 3.2 bbl 70% foam.		Treating Fluid 143.7	
		Flush 3.2	
		Total to Bottom 197.40	
		Quantity ☐	
		Time to Bottom ☐	
		Remarks ☐	
		Test lines to 4000#	
		Shutdown, all acid, start water	
		Start water	
		Acid on formation	
		Shutdown, breakdown complete	
		Start pad	
		Start 10/20 sand @ 1#/gal	
		20/40 sand @ 1#/gal. on formation	
		Start 10/20 sand @ 2#/gal	
		20/40 sand @ 2#/gal. on formation	
		Cut sand, start flush	
		All flush, shutdown	
		Final flush, shutdown	
		MAILING DISTRIBUTION	
		(6) John H. Hill Co., et al, Frances Cooper, Suite 140 Campbell Centre, 8350 N. Central Expressway, Dallas, Tx 75206	
		(2) Leon Wiederkehr, 7607 Bookhollow Cove, Austin, Tx 78752	
		(3) SUPRON ENERGY CORP., Baskett Fleetwood, Bldg. 5 5th Floor, 10300 N. Central Expressway, Dallas, Texas	
		(2) William Moss/Leo Patterson, 3303 Lee Parkway, Dallas, Texas 75219	
		(2) J.A. Humphrey, 1100 1st National Bank Bldg., Dallas, Tx 75202	
		(2) Laurence H. Amour, Jr., 1355 S. LaSalle, Chicago, ILL. 60603	
		(2) WESTERN COMPANY, Tom Larimore, Box 186, Ft. Worth, Texas 76101	
		(2) U.S.G.S., Box 959, Farmington, N.M. (1) N.M. Oil & Gas Comm., 1000 Rio Brazos Rd Aztec, N.M.	
		Treating Pressure: Min. 0 Max. 2400 Avg. 2300 Customer Representative Herman Wallis 87410	
		Inj. Rate on Treating Fluid 4.5 Rate on Flush 4.5 Western Representative Pete Heiser	
		Avg. Inj. Rate 4.5 ISDP 1500 Flush Dens. lb/gal 70 % Foam Distribution SEE ABOVE	
		Final Shut-in Pressure 1450 n 15 Minutes	
		Operator's Maximum Pressure 3500#	
		Job Number 588807	

