The Western Company
of North America
TREATMENT REPORT

Date 8-14-80 Western District Farmington (31) F Receipt 256397
Operator JOHN H. HILL, ETAL 41325
Lease Newsom Well No. 10R
Field Ballard P.C. Location 20, 26n, 8w
County San Juan State New Mexico
Stage Number I, This Zone ☐ This Well ☒

WELL DATA: CG ☐ NG ☒ NO ☐ OO ☐ WD ☐ IW ☐ Misc. ☐ Depth TD/PB 2400 Formation Pictured Cliff
Size Tubing – Tubing Perf. – Type Packer – Set At –
Size Casing 2-7/8 Wt. 6.5 Set From surface To 2400 Size Liner – Wt. –
Liner Set From – To – Open Hole: Size – From – To –
Casing Perforations: Size .43 Holes Per Foot 1 Intervals 2190,2192,2194,2200,2202,2204,2206,2220,2222, 2224,2226,2232,2234,2236 (14 holes)
Previous Treatment None Prior Production None

TREATMENT DATA: Pad Used: Yes ☒ No ☐ Pad Type 70% Foam
Treating Fluid Type: Oil ☐ Water ☐ Acid ☐ Misc. ☐ Foam ☒ Emulsion ☐
Treating Fluid Volume Gals. 8505 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 dry Treat Via: Tubing ☐ Casing ☒ Anul ☐ Tubing & Anul. ☐
Ball Sealers: – In – Stages of –
Types and Number of Pumps Used (1) Buffalo
Auxiliary Materials 250 gal 15% HCl; 1280# KCl; 46 gal AdoFoam

FLUID PUMPED AND CAPACITIES IN BBLS.

Tubing Cap.	–
Casing Cap.	13.9
Annular Cap.	–
Open Hole Cap.	–
Fluid to Load	20.2
Pad Volume	34.9
Treating Fluid	147.4
Flush	3.4
Overflush	–
Total to Recover	205.7

Procedure: Breakdown with 250 gal 15% HCl; spearhead acid flush with 14.2 bbl; run 34.9 bbl pad; 10/20 @ 1#/gal for 36 bbl; 108 bbl with 10/20 @ 2#/gal; flush to top perforation with 3.4 bbl 70% Foam

Time AM PM	Treating Pressure-Psi Tubing	Treating Pressure-Psi Casing	Barrels Fluid Pumped	Inj. Rate B P M	REMARKS— Test lines to 3000#
12:00	0	0	0	4.2	Start acid
12:01	0	100	6	4.2	All acid, start water
12:04	0	1500	20.2	9.1	Acid on spot, shutdown
1:30	–	0	0	4.6	Start pad
1:37	0	2000	34.9	4.5	Start 10/20 @ 1#/gal
1:38	–	2000	38.3	4.5	10/20 @ 1#/gal. on formation
1:45	–	2050	70.9	4.5	Start 10/20 sand @ 2#/gal
1:46	–	2100	74.3	4.5	10/20 sand @ 2#/gal. on formation
2:09	–	2100	178.9	4.5	Start flush
2:10	–	2100	182.3	4.5	All flush, shutdown

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(2) THE WESTERN CO., Tom Larimore, Box 186, Ft. Worth, Tx 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. 0 Max. 2100 Avg. 2100
Inj. Rate on Treating Fluid 4.5 Rate on Flush 4.5
Avg. Inj. Rate 4.5 I.S.D.P. 1300 Flush Dens. lb/gal 70% Foam
Final Shut-in Pressure 1150 in 15 Minutes.
Operator's Maximum Pressure 2500#
Customer Representative Herman Wallis
Western Representative Pete Heiser
Distribution SEE ABOVE
Job Number 588807
cc: Farmington District