Form PS 8 (Rev. 1-75)

The Western Company of North America

TREATMENT REPORT

Date 1-11-81 Western District Farmington (31) F. Receipt 352258
Operator ~~John H. Hill~~ Supervisor Energy
Lease Newsom Well No. B-20
Field Blanco Location L, S5, T26N, R8W
County San Juan State New Mexico
Stage Number 2 This Zone ☐ This Well ☒

WELL DATA: OG ☐ NG ☒ NO ☐ OO ☐ WD ☐ IW ☐ Misc. ☐ Depth TD/PB 4489 Formation Mesa Verde
Size Tubing -- Tubing Perf -- Type Packer -- Set At --
Size Casing 4½ Wt. 10.5 Set From surface To 4489 Size Liner -- Wt. --
Liner Set From -- To -- Open Hole Size -- From -- To --
Casing Perforations: Size .34 Holes Per Foot variable Intervals 4313, 4316, 4320, 4328, 4332, 4334, 4340, 4344, 4351, 4360, 4362, 4366, 4374, 4380, 4382, 4394, 4397 (17 holes)
Previous Treatment -- Prior Production none

TREATMENT DATA: Pad Used: Yes ☒ No ☐ Pad Type Slick water, 2% KCl
Treating Fluid Type: Oil ☐ Water ☐ Acid ☒ Misc. ☐ Foam ☐ Emulsion ☐
Treating Fluid Volume Gals 99,970 Fluid Description Slick water, 2% KCl
Total Prop Quantity 68,000 lbs. Prop Type: Sand ☒ Beads ☐ Special ☐ Mesh ☐
Prop Mesh Sizes, Types and Quantities 68,000 lbs. 20/40 sand
Hole Loaded With -- Treat Via: Tubing ☐ Casing ☒ Anul ☐ Tubing & Anul ☐
Ball Sealers -- In -- Stages of -- Interval --
Types and Number of Pumps Used (1) CRB 1000; (2) 1414's
Auxiliary Materials 17,500 lbs. KCl; 50 gals. FR-20

JAN 22 1981 OIL CON. COM. DIST. 3

FLUID PUMPED AND CAPACITIES IN BBLS.

Tubing Cap.	--
Casing Cap.	6½
Annular Cap.	--
Open Hole Cap.	--
Fluid to Load	--
Pad Volume	833
Treating Fluid	1452
Flush	69
Overflush	--
Total to Recover	2354

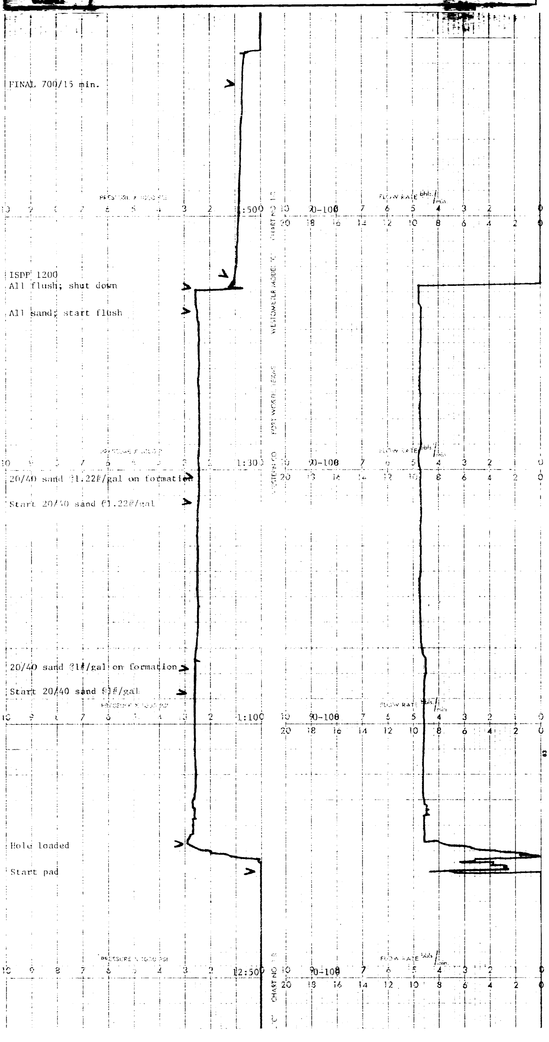
Procedure Start pad of 35,000 gals. of 2% KCl slick water; then start sand at 1#/gal for 30,000; increase to 1.22 lbs./gal for 31,000 gals.; flush with 2898 gals.; all fluid to contain ½ gal/1000 FR-20, 2% KCl

Time AM/PM	Treating Pressure Psi Tubing	Treating Pressure Psi Casing	Barrels Fluid Pumped	Inj. Rate B P M	REMARKS—
12:58	-	0	0	44	Start pad
1:00	-	2900	45	46	Hole loaded
1:1[illegible]	-	2600	833	46	Start 1#/gal sand [illegible]
1:15	-	2600	902	47	20/40 sand @1#/gal on formation
1:27	-	2450	1547	47	Start 20/40 sand @1.22#/gal
1:29	-	2450	1016	47	20/40 sand @1.22#/gal on formation
1:42	-	2500	2285	47	All sand; start flush
1:44	-	2600	2354	48	All flush; shut down

Treating Pressure: Min. 2450 Max. 2900 Avg. 2500
Inj. Rate on Treating Fluid 47 Rate on Flush 48
Avg. Inj. Rate 48 I.S.D.P. 1200 Flush Dens. lb/gal 8.42
Final Shut-in Pressure 700 in 15 Minutes.
Operator's Maximum Pressure 4000

Customer Representative Lee Burton
Western Representative J. Savage
Distribution (9) JOHN H. HILL*
17400 Dallas Pkwy
Dallas, Texas 75252
Attn: Mr. Steve Connor

Job Number [redacted]

5 min. shut in - 900
10 min. shut in - 800

cc: (2) Farmington District