

The Western Company

of North America

TREATMENT REPORT

Date 3-18-77 Western District Brighton F. Receipt 156739
 Operator Amoco Prod. Co.
 Lease Charter Schneider Well No. 12
 Field Spindle Location Sec. 33-T1N-R67W
 County Weld State Colo.
 Stage Number 1 This Zone ☒ This Well ☒

WELL DATA: OG ☐ NG ☐ NO ☒ OO ☐ WD ☐ IW ☐ Misc. ☐ Depth TD/PB 5120 Formation Sussex
 Size Tubing 4 1/2" Tubing Perf. — Type Packer — Set At —
 Size Casing 4 1/2" Wt. 10.5 Set From Surface To TD Size Liner — Wt. —
 Liner Set From — To — Open Hole: Size — From — To —
 Casing Perforations: Size — Holes Per Foot 2 Intervals 4960-4992

Previous Treatment None Prior Production None

TREATMENT DATA: Pad Used: Yes ☒ No ☐ Pad Type Super K
 Treating Fluid Type: Oil ☐ Water ☐ Acid ☐ Misc. ☐ Foam ☐ Emulsion ☒
 Treating Fluid Volume Gals. — Fluid Description Super K

Total Prop Quantity — Lbs. Prop Type: Sand ☐ Beads ☐ Special ☐ None ☐

Prop Mesh Sizes, Types and Quantities

Hole Loaded With 15% KCL water Treat Via: Tubing ☐ Casing ☒ Anul ☐ Tubing & Anul. ☐

Ball Sealers: — In — Stages of —

Types and Number of Pumps Used (1) one 1414 Pacemaker; (1) one Pacosetter

Auxiliary Materials 7800 # KAL

Procedure —

FLUID PUMPED AND CAPACITIES IN BBLs.

Tubing Cap. —
 Casing Cap. 82
 Annular Cap. —
 Open Hole Cap. —
 Fluid to Load 1 Spot acid 80
 Pad Volume 285
 Treating Fluid 2559
 Flush 82
 Blender Clean —
 Overflush —
 Total to Recover 3038

Time AM/PM	Treating Pressure-Psi		Barrels Fluid Pumped	Inj. Rate B P M	REMARKS
	Tubing	Casing			
12:30	—	—	—	—	Pressure test line to 3500#
12:33	—	1300	12	4	Break down, Packer; Put acid away
12:35	—	1400	28	20	Start Pad
12:37	—	800	76	—	Shut down, Fix Leak
12:39	—	1400	285	20	Start Pad
12:54	—	1600	367	20	20/60 on Form.
1:06	—	1700	614	20	Rate Pressure check
1:36	—	1800	1234	20	Start 10/20 @ 2#
1:40	—	1850	1316	20	10/20 @ 2# on Form
2:05	—	2000	1812	20	Rate Pressure check
2:51	—	2400	2782	20	Start 10/20 @ 3#
2:55	—	2000	2863	20	Start 10/20 @ 4#
2:59	—	2000	2947	20	Start 10/20 @ 5#
3:03	—	2100	3034	20	Start Blender Clean
3:05	—	2100	3064	20	Start Flush
3:10	—	2100	3174	20	ALL Flush shut down
					I.S.D.P. 1050
					Water <u>—</u> BBL 894
					Oil <u>—</u> BBL 1950
					Flush <u>—</u> BBL 112

Treating Pressure: Min. 800 Max. 3100 Avg. 2000
 Inj. Rate on Treating Fluid 20 BPM Rate on Flush 20 B.P.M.
 Avg. Inj. Rate 20 BPM I.S.D.P. 1050 Flush Dens. lb/gal 8.45
 Final Shut-in Pressure 1900 # in 15 Minutes.
 Operator's Maximum Pressure 3500 #

Customer Representative Chuck Richardson
 Western Representative Ron Matlock
 Distribution Amoco Prod. Co.
P.O. Box 39200
Denver Colo 80239

Job Number

512228

(2 copies)