

The Western Company

of North America

TREATMENT REPORT

Date 7/20/62 Western District POWELL F. Receipt 227822
 Operator Petroleum Development Corp. (Powell-Waters)
 Lease FORMOVAL AD Well No. 1
 Field WILDCAT Location SEC 18 T5N R6E1E
 County TORRANCE State NEW MEXICO
 Stage Number 1 This Zone ☒ This Well ☒

WELL DATA: OG ☐ NG ☐ NO ☒ OO ☐ WD ☐ IW ☐ Misc. ☐ Depth TD/DB 1458 Formation UNKNOWN
 Size Tubing 2 3/8" Tubing Perf. 1096 Type Packer NONE 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 4 Holes Per Foot VAR Intervals 1096-1114 38 Holes

Previous Treatment N/A Prior Production N/A

TREATMENT DATA: Pad Used: Yes ☐ No ☒ Pad Type NONE
 Treating Fluid Type: Oil ☐ Water ☐ Acid ☐ Misc. ☐ Foam ☐ Emulsion ☐
 Treating Fluid Volume Gals. 1000 Fluid Description 15% SPEARHEAD

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

Prop Mesh Sizes, Types and Quantities

Hole Loaded With DRY Treat Via: Tubing ☒ Casing ☐ Anul ☐ Tubing & Anul. ☐

Ball Sealers: - In - Stages of -

Types and Number of Pumps Used 1 H.H.P. ARIDMASTER

Auxiliary Materials 1 gal I-10B

Procedure BUILDUP 1000 gals 15% SPEARHEAD ACID & FLUSH
W 5 bbls 2% KCl H2O

FLUID PUMPED AND CAPACITIES IN BBLs.

Tubing Cap. 4.3
 Casing Cap. 2.0
 Annular Cap. 11.5
 Open Hole Cap. -
 Fluid to Load -
 Pad Volume -
 Treating Fluid 24
 Flush 5
 Overflush -
 Total to Recover 29

Time AM/PM	Treating Pressure-Psi		Barrels Fluid Pumped	Inj. Rate BPM	REMARKS
	Tubing	Casing			
10:34	0	-	0	1	START ACID
10:36	800	-	5	2.5	ACID ON FMT
10:37	800	-	6	3.0	FMT BREAK
10:42	400	-	24	2.0	START FLUSH
10:44	400	-	29	3.0	FLUSH ON FMT & SHUTDOWN

0-1000

Treating Pressure: Min. 400 Max. 800 Avg. 400
 Inj. Rate on Treating Fluid 3.0 Rate on Flush 3.0
 Avg. Inj. Rate 3 I.S.D.P. 0 Flush Dens. lb/gal 8.3
 Final Shut-in Pressure 0 in 5 Minutes.
 Operator's Maximum Pressure 1000

Customer Representative J.C. Powell
 Western Representative Rick Wallin
 Distribution -

Job Number

608565