

Date 7/25/82 Western District ROSWEILL NM F. Receipt 527822
Operator PETROLEUM DEVELOPMENT CORP. (HOWELL WATERS)
Lease FORMALIST AD Well No. 1
Field WILDCAT Location SEC 18 T5N R9E1E
County TORRANCE State NEW MEXICO
Stage Number 1 This Zone ☒ This Well ☒

WELL DATA: OG ☐ NG ☐ NO ☒ OO ☐ WD ☐ IW ☐ Misc. ☐ Depth TD/PS 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 <u>NONE</u> Treating Fluid Type: Oil ☐ Water ☐ Acid ☐ Misc. ☐ Foam ☐ Emulsion ☐ Treating Fluid Volume Gals. <u>1000</u> Fluid Description <u>15% SPEARHEAD</u>		FLUID PUMPED AND CAPACITIES IN BBLS. Tubing Cap. <u>4.3</u> Casing Cap. <u>2.0</u> Annular Cap. <u>11.5</u> Open Hole Cap. <u>-</u> Fluid to Load <u>-</u> Pad Volume <u>-</u> Treating Fluid <u>24</u> Flush <u>5</u> Overflush <u>-</u> Total to Recover <u>29</u>
Total Prop Quantity <u>-</u> Lbs. Prop Type: Sand ☐ Beads ☐ Special ☐ None ☒ Prop Mesh Sizes, Types and Quantities Hole Loaded With <u>DRY</u> Treat Via: Tubing ☒ Casing ☐ Anul ☐ Tubing & Anul. ☐ Ball Sealers: <u>-</u> In <u>-</u> Stages of <u>-</u>		
Types and Number of Pumps Used <u>1 H.H.P. ACIDMASTER</u> Auxiliary Materials <u>1 gal I-10B</u>		
Procedure <u>Builtup 1000 gals. 15% SPEARHEAD ACID & Flush</u> <u>w 5 5 5 15 2% KCl H₂O</u>		

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	3.0	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 30 Rate on Flush 30
 Avg. Inj. Rate 3 I.S.D.P. 0 Flush Dens. lb/gal 8.3
 Initial Shut-in Pressure 0 in 5 Minutes.
 Operator's Maximum Pressure 1000
 Job Number 608565
 Customer Representative J.C. Powell
 Western Representative Rick Wallin
 Distribution _____