



Treatment Report (Energized)

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Date 25 JAN-00 District Artesia F. Receipt 173810182 Customer Torch Operating Co
 Lease HL 2#1-Y Well Name HL 2#1-Y Field Turkey Track Location Sec.2-T19S-R29E
 County Eddy State New Mexico Stage No 1 Well API - API 30015238620000

WELL DATA		Well Type:	Well Class:	Depth TD/PB:		Formation:
Geometry Type	Tubular Type	OD	Weight	ID	Grade	Top Bottom
TUBULAR	CSG	5.5	17	4.892	0	11588
TUBULAR	TBG	2.375	4.6	1.905	0	10700

Perf Intervals			
Top	Bottom	SPF	Diameter
10818	10826	4	.41
10868	10872	4	.41
10980	10989	4	.41

Packer Type OTIS PERMA Packer Depth 10700 FT

TREATMENT DATA				LIQUID PUMPED AND CAPACITIES IN BBLS	
Fluid Type	Fluid Desc	Pumped Volume(Gals)	Prop. Description	Volume Pumped(Lbs)	
PAD	CO2	2288	NO PROPPANT	0	Tubing Cap. <u>41.4</u>
TREATMENT FLUID	METHANOL/CO2	4000			Casing Cap. <u>8</u>
			Total Prop Qty:	0	Annular Cap. <u>181</u>
					Open Hole Cap. <u>0</u>
					Fluid to Load <u>0</u>
					Pad Volume <u>54.5</u>
					Treating Fluid <u>47.5</u>
					Flush <u>47.5</u>
					Overflush <u>0</u>
					Fluid to Recover <u>47.5</u>
					Total N ₂ <u>0</u>
					Total CO ₂ <u>31</u>

Previous Treatment N/A Previous Production N/A
 Foam Qual: 50 Foam Type SLURRY
 Hole Loaded With 2% KCL Treat Via: Tubing ☒ Casing ☐ Anul. ☐ Tubing & Anul. ☐
 Ball Sealers: 0 In 0 Stages Type 7/8 in. 1.3 in. or R
 Auxiliary Materials N/A

PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLS. Pumped		Slurry Rate BPM	Total Surf. CO ₂ Bbls Pumped	CO ₂ Rate BPM	Total Surf. N ₂ MSCF Pumped	N ₂ Rate SCFM	DH Rate BPM	DH Foam Pumped	Comments
	STP	Annulus	Stage	Total								
08:25	8532	538										TEST LINES
08:30	732	813										OPEN WELLHEAD
08:35	918	49					5.2			5.2		START CO2 PAD
08:45	6500	360				45	2.8			2.8	45	BREAK TO 6500 PSI
08:48	6926	506	47		2.2	54.5	2.2			4.4	54.5	START CO2/METHANOL
08:58	6270	506		22	2.4	75	2.2			4.4	89	METHANOL ON PERFS
09:07	6278	360		45		96					141	SHUTDOWN BACKSIDE LEAKING
09:32	6078	146					3.2			3.2		START FLUSH
09:47	4350	78		47.5		144					191	SHUTDOWN

Treating Pressure		Injection Rates		Shut In Pressures		Customer Rep.	
Minimum	800	Treating Fluid	4	ISDP	3643	BJ Rep.	William Thurman
Maximum	6500	Flush	3	5 Min.	1982	Job Number	173810182
Average	6000	Average	4	10 Min.	1279	Req. ID No.	180651302 A
Operators Max. Pressure	6500			15 Min.	820	Distribution	
				Final	800 In 17 Min.		
				Flush Done. lb./gal	8.4		