

STIMULATION TREATMENT REPORT



Date 20-MAR-01 District Brighton F.Receipt 225117384 Customer Patina Oil & Gas Corporation
 Lease WIEDEMAN 8-11H6 Well Name WIEDEMAN 8-11H6
 Field Wattenberg Location NESW S8-T5N-R66W
 County Weld State Colorado Stage No 1 Well API - API 05123186600000

WELL DATA		Well Type:	Well Class:		Depth TD/PB:		Formation:	
Geometry Type	Tubular Type	OD	Weight	ID	Grade	Top	Bottom	Perf Intervals
TUBULAR	CSG	3.5	7.7	3.068	N-80	0	7479	Top Bottom SPF Diameter
TUBULAR	TBG	2.375	4.7	1.995	N-80	0	6958	7301 7318 4 .34
TUBULAR	TBG	2.063	4.5	1.613	N-80	6958	7266	

Packer Type Arrow Set 1 Packer Depth 7266 FT

TREATMENT DATA					LIQUID PUMPED AND CAPACITIES IN BBLs.		
Fluid Type	Fluid Desc	Pumped Volume(Gals)	Prop. Description	Volume Pumped(Lbs)	Tubing Cap.	27.71	
PAD	Vistar 22	42,168	Sand, White, 20/40	245,800	Casing Cap.	3	
TREATMENT FLUID	Vistar 22.20	91,098	Total Prop Qty:	245,800	Annular Cap.	27.04	
Previous Treatment	-----	Previous Production	-----		Open Hole Cap.	0	
Hole Loaded With	<u>Vistar 22</u>	Treat Via: Tubing	<input checked="" type="checkbox"/> Casing	<input type="checkbox"/> Anul.	<input type="checkbox"/> Tubing & Anul.	Fluid to Load	19
Ball Sealers:	<u>0</u> In <u>0</u>	Stages Type			Pad Volume	1004	
Auxiliary Materials	<u>FLOBACK 20,NE-940,GBW-23L,GS-1A,CLAYTREAT 3C,CRB,GBW-5.</u>				Treating Fluid	2169	
					Flush	26.0953	
					Overflush	-2	
					Fluid to Recover	3284	

PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs. Pumped		Slurry Rate BPM	Comments
	STP	Annulus	Stage	Total		
08:40	7061	297	114	0	13.9	START PAD
08:56	2491	205	0	114	0	SHUT DOWN REVERSE STEP RATE
09:02	1982	554	890	114	14.2	RESUME PAD
10:05	6499	257	226	1004	14.2	START 1.0 PPG 20/40
10:21	6440	146	756	1230	14.1	START 2.0 PPG 20/40
11:15	6473	129	1099	1986	14	START 3.0 PPG 20/40
12:34	6900	165	352	3085	14	START 4.0 PPG 20/40
01:00	7104	187	26	3437	14	START FLUSH
01:02	3794	81	0	3463	0	SHUT DOWN

Treating Pressure		Injection Rates		Shut In Pressures		Customer Rep.	
Minimum	6350	Treating Fluid	14.05	ISDP	3794	BJ Rep.	Dave Burger
Maximum	7116	Flush	14	5 Min.	3490	Marvin Romkee	
Average	6644	Average	14.05	10 Min.	0	Job Number	225117384
Operators Max. Pressure	8000			15 Min.	0	Rec. ID No.	179953488 A
				Final	3490 In 5 Min.	Distribution	
				Flush Dens.	lb./gal. 8.34		