

STIMULATION TREATMENT REPORT



Date 09-MAR-01 District Brighton F.Receipt 225117320 Customer Patina Oil & Gas Corporation
 Lease UPRC 11-5F Well Name UPRC 11-5F
 Field Wattenberg Location SWNW S11-T4N-R66W
 County Weld State Colorado Stage No 1 Well API - API 05123156240000

WELL DATA		Well Type:	Well Class:	GAS	Depth TD/PB:		Formation:	CODELL			
Geometry Type	Tubular Type	OD	Weight	ID	Grade	Top	Bottom	Perf Intervals			
TUBULAR	CSG	4.5	11.6	4	M-75	0	7363	Top	Bottom	SPF	Diameter
TUBULAR	TBG	2.875	6.5	2.441	N-80	0	6858	7247	7262	4	.34
TUBULAR	TBG	2.375	4.6	1.995	N-80	6858	7168				

Packer Type Arrow Set 1 Packer Depth 7168 FT

TREATMENT DATA

Fluid Type	Fluid Desc	Pumped Volume(Gals)	Prop. Description	Volume Pumped(Lbs)
PAD	Vistar 22	41,076	Sand, White, 20/40	245,920
TREATMENT FLUID	Vistar 22,20	89,628	Total Prop Qty:	245,920

LIQUID PUMPED AND CAPACITIES IN BBLs

Tubing Cap.	40.91
Casing Cap.	1.23
Annular Cap.	54.47
Open Hole Cap.	0
Fluid to Load	32
Pad Volume	978
Treating Fluid	2134
Flush	40
Overflush	-2.14
Fluid to Recover	3196

Previous Treatment _____ Previous Production _____
 Hole Loaded With Vistar 22 Treat Via: Tubing ☒ Casing ☐ Anul. ☐ Tubing & Anul. ☐
 Ball Sealers: 0 In 0 Stages Type _____
 Auxiliary Materials NE 940,FLO BACK 20,GBW-23L,CLAYTREAT 3C,CRB,GBW-5,GS-1A.

PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs. Pumped		Slurry Rate BPM	Comments
	STP	Annulus	Stage	Total		
07:51	5094	323	115	0	14.3	START PAD
08:03	3097	313	0	115	0	SHUT DOWN REVERSE STEP RATE
08:08	1944	312	863	115	14.3	RESUME PAD
09:09	5375	327	254	978	14.2	START 1.0 PPG 20/40
09:27	5506	314	749	1232	14.1	START 2.0 PPG 20/40
10:19	5502	354	1145	1981	14	START 3.0 PPG 20/40
11:41	5799	337	237	3126	14	START 4.0 PPG 20/40
11:58	5889	319		3363	14.1	START FLUSH
12:01	4581	316	0	3403	0	SHUT DOWN

Treating Pressure		Injection Rates		Shut In Pressures		Customer Rep.	
Minimum	5321	Treating Fluid	14.15	ISDP	4581	BJ Rep.	Marvin Romkee
Maximum	6177	Flush	14.1	5 Min.	4201	Job Number	225117320
Average	5593	Average	14.15	10 Min.	0	Rec. ID No.	179953428 A
Operators Max. Pressure 7500				15 Min.	0	Distribution	
				Final	4201 In 5 Min.		
				Flush Dens. lb./gal.	8.34		