

# STIMULATION TREATMENT REPORT



Date 16-MAY-01 District Brighton F.Receipt 225117817 Customer Patina Oil & Gas Corporation  
 Lease UPRC 5-316 Well Name UPRC 5-316  
 Field Wattenberg Location NENW S5-T4N-R66W  
 County Weld State Colorado Stage No 1 Well API - API 05123179840000

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	J-55	0	7423	Top Bottom SPF Diameter
TUBULAR	TBG	2.375	4.7	1.995	N-80	0	6817	7207 7221 4 .34
TUBULAR	TBG	2.063	4.5	1.613	N-80	6817	7117	

Packer Type ARROW SET Packer Depth 7115 FT

TREATMENT DATA				LIQUID PUMPED AND CAPACITIES IN BBLS	
Fluid Type	Fluid Desc	Pumped Volume(Gals)	Prop. Description	Volume Pumped(Lbs)	
PAD	Vistar 22	40,992	Sand, White, 20/40	245,900	Tubing Cap. <u>27.11</u>
			Total Prop Qty:	245,900	Casing Cap. <u>.84</u>
					Annular Cap. <u>0</u>
					Open Hole Cap. <u>0</u>
					Fluid to Load <u>2.5</u>
					Pad Volume <u>976</u>
					Treating Fluid <u>3252</u>
					Flush <u>25</u>
					Overflush <u>-2</u>
					Fluid to Recover <u>3321</u>

Previous Treatment \_\_\_\_\_ Previous Production \_\_\_\_\_  
 Hole Loaded With VISTAR 22# GEI Treat Via: Tubing  Casing  Anul.  Tubing & Anul.   
 Ball Sealers: 0 In 0 Stages Type \_\_\_\_\_  
 Auxiliary Materials FLOWBACK 20, NE 940, GBW 23L, CLAYTREAT 3C.

### PROCEDURE SUMMARY

Time	Treating Pressure-Psi		Surface Slurry BBLS. Pumped		Slurry Rate BPM	Comments
	STP	Annulus	Stage	Total		
08:38	460	500	976	0	14.1	START PAD
10:00	7487	128	249	976	14.2	START 1# STAGE
10:18	7310	130	750	1225	14.1	START 2# STAGE
11:11	7470	118	1148	1975	14	START 3# STAGE
12:34	7640	214	368	3123	14.1	START 4# STAGE
13:01	7873	246	25	3491	13.1	START FLUSH
13:03	3702	69	0	3516	0	STOP PUMPS

Treating Pressure		Injection Rates		Shut In Pressures		Customer Rep.	
Minimum	7236	Treating Fluid	14.03	ISDP	3738	BJ Rep.	DEAN ROGERS Boyd T Heckler Jr
Maximum	7930	Flush	13.1	5 Min.	3514	Job Number	225117817
Average	7512	Average	14.03	10 Min.	0	Rec. ID No.	179953823 A
Operators Max. Pressure				15 Min.	0	Distribution	
8000				Final	3514 In 5 Min.		
				Flush Dens. lb./gal.	8.34		