



STIMULATION TREATMENT REPORT

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Date 03-NOV-99 District Brighton F. Receipt 225114321 Customer H S Resources Inc
 Lease STOUT 3-3 Well Name STOUT 3-3 Field WATTENBERG Location S3-T5N-R64W
 County Weld State Colorado Well API - API 05123131880000

WELL DATA		Well Type	OLD	Well Class	GAS	Depth TD/PB:		Formation	CODELL
Geometry Type	Tubular Type	OD	Weight	ID	Grade	Top	Bottom	Perf Intervals	
TUBULAR	CSG	4.5	15.1	3.826		0	6928	Top	Bottom
TUBULAR	TBG	2.875	6.5	2.441		0	6094	6816	6826
TUBULAR	TBG	2.375	4.7	1.995		6094	6408	6816	6824
								6520	6530
								6633	6648
								6700	6721

Packer Type Arrowset 1 Packer Depth 6408 FT

TREATMENT DATA

Fluid Type	Fluid Desc	Pumped Volume(Gals)	Prop Description	Volume Pumped(Lbs)	LIQUID PUMPED AND CAPACITIES IN BBLs.
TREATMENT FLUID	Vistar 20/18	86646	Sand, Sacked, 20/40	261460	
PAD	Vistar 20	31500	Total Prop Qty	261460	Tubing Cap. 36.49
					Casing Cap. 5.79
					Annular Cap. 40.51
					Open Hole Cap. 0
					Fluid to Load 27
					Pad Volume 786
					Treating Fluid 2063
					Flush 41
					Overflush -1.3
					Fluid to Recover 2890

Previous Treatment N/A Previous Production N/A
 Hole Loaded With H2O+1GPT CT-3 Treat Via: Tubing ☒ Casing ☐ Anul. ☐ Tubing & Anul. ☐
 Ball Sealers: 0 In 0 Stages Type

Auxiliary Materials VSP-1 5GPT/XLW-14 1GPT, 9GPT/BF-9L 1GPT/FLO/NE 1 5GPT/GBW-23L 1GPT/CLAYTREAT-3C 1GPT/
 GS-1A 3PPT, 2PPT/ULTRA PERM CRB 1PPT/GBW-5 1PPT, 5PPT/ NE-940 5GPT

PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs. Pumped		Slurry Rate BPM	Comments
	STP	Annulus	Stage	Total		
07:57	0	0	0	0	0	PRESSURE TEST ALL BJ LINES
08:12	4152	152	36	0	5	START CLAYTREAT-3C PUMP-IN
08:19	4022	140	0	36	0	SHUT DOWN ISDP-4152
08:29	4840	115	751	0	14.2	START PAD
08:49	4740	118	0	233	0	SHUT DOWN ISDP-2731
08:55	2815	126	0	233	14.2	RESUME PAD
09:33	4743	121	261	751	14	START 1PPG 20/40
09:51	4589	127	391	1012	14	START 2PPG 20/40
10:19	4592	127	1050	1403	14	START 3PPG 20/40
11:34	4686	131	640	2453	14	START 4PPG 20/40
12:20	5230	141	41	3093	14	START FLUSH
12:24	5838	141	0	3134	0	SHUT DOWN ISDP-3752

Treating Pressure		Injection Rates		Shut In Pressures		Customer Rep.
Minimum	2444	Treating Fluid	14.1	ISDP	3752	Mr. Brian Smith
Maximum	5846	Flush	14	5 Min.	0	BJ Rep David Archuleta
Average	4629	Average	14.1	10 Min.	0	Job Number 225114321
Operators Max Pressure 7500				15 Min.	0	Rec ID No. 179951417 A
				Final	3588 In 1 Min.	Distribution <u>H.S. RESOURCES, INC.</u>
				Flush Dens. lb./gal.	8.34	