

# STIMULATION TREATMENT REPORT



Date 10-JUL-09 District Brighton F.Receipt 225140977 Customer Noble Energy - Denver  
 Lease REISTAD #1 Well Name REISTAD #1  
 Field WATTENBERG Location 5-4N-64W  
 County Weld State Colorado Stage No 1 Well API - API 05123108350001

WELL DATA		Well Type:	OLD	Well Class:	GAS	Depth TD/PB:	6960	Formation:	CODELL
Geometry Type	Tubular Type	OD	Weight	ID	Grade	Top	Bottom	Perf Intervals	
TUBULAR	CSG	4.5	11.6	4		0	6960	Top	Bottom
TUBULAR	TBG	2.875	6.5	2.441		0	6596	6943	6957
TUBULAR	TBG	2.375	4.7	1.995		6596	6908		.43

Packer Type ARROWSET Packer Depth 6908 FT

TREATMENT DATA				LIQUID PUMPED AND CAPACITIES IN BBLs.	
Fluid Type	Fluid Desc	Pumped Volume(Gals)	Prop. Description	Volume Pumped(Lbs)	
PAD	VISTAR 26	37,968	Sand, White, 20/40	247,060	Tubing Cap. 39.4
TREATMENT FLUID	VISTAR 26	55,692			Casing Cap. .54
TREATMENT FLUID	VISTAR 27	17,514	Total Prop Qty:	247,060	Annular Cap. 52.7
TREATMENT FLUID	VISTAR 28	17,388			Open Hole Cap. 0
Previous Treatment <u>N/A</u> Previous Production <u>N/A</u>					Fluid to Load 29
Hole Loaded With <u>VISTAR 26</u> Treat Via: Tubing <input checked="" type="checkbox"/> Casing <input type="checkbox"/> Anul. <input type="checkbox"/> Tubing & Anul. <input type="checkbox"/>					Pad Volume 904
Ball Sealers: <u>0</u> In <u>0</u> Stages Type <u></u>					Treating Fluid 2157
Auxiliary Materials <u>GBW-5, GBW-21, GS-1A, HIGH PERM CRB, MA-844, BF-9L, XLW-14, CLAYTREAT-4390</u>					Flush 39.94
					Overflush .04
					Fluid to Recover 3100

## PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs. Pumped		Slurry Rate BPM	Comments
	STP	Annulus	Stage	Total		
04:30	0	0	0	0	0	YARD CALL
05:22	0	0	0	0	0	LEFT YARD
06:25	0	0	0	0	0	ARRIVED LOCATION
06:50	0	0	0	0	0	TRUCKS SPOTTED
08:00	8518	4917	0	0	0	SAFETY MEETING/PRESSURE TEST
08:15	0	0	0	0	0	WENT OVER REC. WITH CUSTOMER
08:20	0	0	0	0	0	LOAD BACKSIDE (39 BBLs TO LOAD)
09:00	4357	344	105	0	14.3	START LINEAR PAD
09:11	2520	0	0	105	0	SHUT DOWN (FIVE MINUTE- 1305 PSI)
09:16	5230	219	799	105	18.8	RESUME X-LINKED PAD
10:02	5223	131	249	904	18.7	START 1 PSA 20/40 SAND
10:15	5212	123	389	1153	18.7	START 2 PSA 20/40 SAND
10:36	5155	166	1491	1542	18.7	START 2-4 PSA 20/40 RAMP
11:55	5301	164	294	3033	18.7	START 4 PSA 20/40 SAND
12:11	4544	238	39	3327	15	START FLUSH
12:14	3246	26	0	3366	0	SHUT DOWN (FIVE MINUTE- 2831 PSI)

Treating Pressure		Injection Rates		Shut In Pressures		Customer Rep. ANDY DOCKINS	
Minimum	5110	Treating Fluid	18.76	ISDP	3246	BJ Rep.	Norman White
Maximum	5408	Flush	15	5 Min.	2831	Job Number	225140977
Average	5229	Average	18.76	10 Min.	0	Rec. ID No.	
Operators Max. Pressure 7800				15 Min.	0	Distribution	
				Final	2831	In	5 Min.
				Flush Dens. lb./gal.	8.34		