

# FRACTURING SERVICE TREATING REPORT

MERCURY, INC.

Mercury District FT MORGAN  
Mercury Division \_\_\_\_\_

Attach To Ticket No. 2887  
Stage No. \_\_\_\_\_  
Page No. \_\_\_\_\_

Field \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rng. \_\_\_\_\_ County LARIMER State COLORADO

THE FOLLOWING INFORMATION WAS FURNISHED BY THE WELL OWNER OR HIS AGENT:

Date Completed N/A Formation CODELL  
Casing: OD \_\_\_\_\_ Wt. \_\_\_\_\_ Depth \_\_\_\_\_  
Liner: OD \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
Perf.: From 4824 To 4834 Shots/Ft. \_\_\_\_\_  
Perf.: From \_\_\_\_\_ To \_\_\_\_\_ Shots/Ft. \_\_\_\_\_  
Perf.: From \_\_\_\_\_ To \_\_\_\_\_ Shots/Ft. \_\_\_\_\_  
Open Hole: Size \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Prev. Treat: Date N/A Type \_\_\_\_\_  
Fluid: Gal. \_\_\_\_\_ Sand: Lb. \_\_\_\_\_  
Pres. Treat: Interval: From \_\_\_\_\_ To \_\_\_\_\_  
Tubing: Size \_\_\_\_\_ Depth \_\_\_\_\_  
Packer: Type \_\_\_\_\_ Set at \_\_\_\_\_  
Max. Allowable Pres.: PSI: Tubing \_\_\_\_\_ Casing \_\_\_\_\_  
Treat Thru: Tubing ☐ Annulus ☐ Casing ☒ Tubing/Annulus ☐

## MATERIALS USED

Type Job STC CO2 FRAC  
Fluid 25 LBS GEL 3% KCL WATER  
Fluid Source CUSTOMER  
API Gravity \_\_\_\_\_ °Viscosity \_\_\_\_\_ CPS @ \_\_\_\_\_ °F  
Sand: Grade 20/40 Lb. 65000 Sack ☐ Bulk ☒  
Sand: Grade CL-1 Lb. 419A1 Sack ☐ Bulk ☐  
Surfactant: Type CO2 Gal. 30 in Bbl. Gal. \_\_\_\_\_  
Acid: Type NEA-2 Gal. 54 %  
Fluid Loss Add.: Type FS-1 Gal. 27 Lb. \_\_\_\_\_  
Perf. Balls: Type CS-1 No. 9A1 Gal. Lb. 8150  
Blocking Agent: Type KCL Gal. Lb. 850  
Gelling Agent: Type MF-6 Gal. Lb. 850  
Breaker: Type 93-1 Gal. Lb. 27,54

## TREATMENT SUMMARY

Trucks (No. and Type) 7 UNITS  
Hyd. HP Available 1400 Used 750  
Pumps On Tubing X Casing 3  
AVERAGE RATES—BPM  
Treating 14 Displ. 14 Overall 14  
PRESSURES—PSI  
Breakdown 1450 Maximum 1600  
Minimum 1400 Displacement 1600  
Instant Shut-In 1200 5 Min. 1200  
VOLUMES: 64 Breakdown: Bbl. Gal. 55  
Load: Bbl. Gal. 64 Treatment: Bbl. Gal. 529 Displ.: Bbl. Gal. 77  
Total: Bbl. Gal. 725

## TREATING LOG

TIME	Operation or Amt. and Type Fluid Pumped	RATE	PUMPS	PRESSURE—PSI		REMARKS
				TUBING	CASING	
7:00	ON SITE, R 94A, TREAT TANKS, TO A6					
8:30	SAFETY MEETING					
9:08	PRIME, PRESSURE TEST,	17	3		4000	OK
9:09	START PAO				1450	119
9:21	START 1 <sup>st</sup> 20/40				1400	95
9:28	START 2 <sup>nd</sup> 20/40				1450	95
9:35	START 3 <sup>rd</sup> 20/40				1550	119
9:43	START 4 <sup>th</sup> 20/40				1550	119
9:51	START 5 <sup>th</sup> 20/40				1500	101
9:59	START FLUSH				1600	79
10:14	ISIP				1200	725 BBL
	5 min				1200	
	10 min				1200	
	15 min				1200	
		17	3			
All Fluid Containing						
700 SCF. CO2 PER BARELL Fluid,						

Mercury Operator B.H. WALLY

Company Representative \_\_\_\_\_

FRACTURING Company

A.T. SKER ENT.

Lease

Well No.

Date

2-23-82