

BJ Services Company — Treatment Report

Date 01/20/96 District FARMINGTON F. Receipt L396242 Operator GIANT EXPLORATION
 Lease WD #1 Well No. _____ Field MESA VERDE Location SEC 28 T29N R11W
 County SAN JUAN State NM Stage Number 1 This Zone X This Well X

WELL DATA OGI ☐ NGI ☐ NOI ☐ OOI ☐ WDI ☒ IWI ☐ Misc. ☐ Depth TD FB _____ Formation CLIFFHOUSE-MENEFE
 Tubing Size 2 3/8 WT. 4.7 Set at: 3425 Type Packer S RIT Set At: VARIOUS
 Casing Size 5 1/2 WT. 17 Set From SURFACE To TD Liner Size _____ Wt. _____
 Liner Set From _____ To _____ Open Hole: Size _____ From _____ To _____ Casing Perforations: Size .38
 Holes Per Foot 4 Intervals 3452-3324
 Previous Treatment _____ Prior Production _____

TREATMENT DATA Pad Used: Yes ☒ No ☐ Pad Type KCL H2O LIQUID/GAS PUMPED AND CAPACITIES IN BBLS.
 Treating Fluid Type: Foam ☐ Water ☐ Acid ☒ Oil ☐ Treat. Fluid Vol. 5000 Gal.
 Base Fluid Type 15% HCL Base Fluid Vol. 10,105 Gal.
 Foam Qual.: _____ % Mitchell ☐ Slurry ☐ Surface ☐ Downhole ☐ Total Prop Qty. _____ Lbs.
 Prop Type: Sand ☐ WP-1 ☐ WP-3 ☐ Baux. ☐ Other _____
 Prop Mash Sizes, Types and Quantities _____
 Hole Loaded With KCL H2O Treat Via: Tubing ☒ Casing ☐ Anul. ☐ Tubing & Anul. ☐
 Ball Sealers: _____ In _____ Stages of _____
 Types and Number of Pumps Used 1 ACID MASTER
 Auxiliary Materials 5000 GAL 15% HCL, 10 GAL I-22, 25 GAL FERROTROL 300L
PUMPED AS TREATED BELOW

PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi	Surface Slurry BBLs. Pumped	Slurry Rate BPM	Surface CO ₂ BBLs. Pumped	CO ₂ Rate BPM	Surface N ₂ MSCF Pumped	N ₂ Rate SCFM	Comments
	STP	Annulus	Stage	Total	Stage	Total	Stage	Total
1:05	0-250				0-2.6			LOAD HOLE
1:15	0-750		15	15	0-2.75			BRK 1ST SETT H2O
1:23	750		5.0	20	0-2.7			START ACID 1ST SETT
1:37	775		36.0	56.0	2.6			START FLUSH 1ST SETT
1:42	100		13.8	69.8	2.6-0			SHU TDOWN
2:07	0-800		15.0	84.8	0-2.6			PUMP ACID AWAY
2:28	1500							TEST BRIDGE PLUG
2:42	0-250			84.8	0-2.6			H2O AHEAD
2:44	800		5.0	89.8	2.6			START ACID 2ND SETT
3:03	800		48.0	137.8	2.6			START FLUSH 2ND SETT
3:07	200		13.0	150.8	2.6-0			SHUTDOWN
3:30	900		1	165.8	0-2.6			PUMP ACID AWAY
3:51	0-1500		15.0	165.8				TEST BP
4:37	1000		6.9	172.7				TEST BS
4:43	0-800			172.7	0-2.6			H2O AHEAD
4:45	800		4.2	176.9	2.6			START ACID 3RD SETT
4:57	900		36.0	212.9	2.6			START FLUSH 3RD SETT
5:16	800		12.7	225.6	2.4			PUMP ACID AWAY
5:23	800-200		15.0	240.6	2.4-0			

Treating Pressure: Min. _____ Max. 1500 Avg. 800 Customer Representative P. THOMPSON
 Inj. Rate on Treating Fluid 2.6 Rate on Flush 2.6 Western Representative T.M. CRABB
 Avg. Inj. Rate 2.6 I.S.D.P. 200 Flush Dens. lb./gal. 8.34 Distribution _____
 Final Shut-in Pressure _____ in _____ Minutes _____
 Operator's Maximum Pressure 1000 PSI

Job Number

149811