

TRUJILLO GAS COM #1R
PRELIMINARY PICTURED CLIFFS COMPLETION
SEC 21K, T29N, R10W
SAN JUAN CO., NM

Prod Csg: 4-1/2", 10.5#, J-55 csg @ $\pm 2,050'$
PBTD: $\pm 2,010'$
Tbg: 2-3/8", 4.7#, J-55, EUE, 8rd

1. Set 2 - 400 bbl frac tnks & 1 test tnk. Fill frac tnks w/ ± 600 bbls 2% KCl wtr. **NOTE:** Have frac co. test wtr for compatibility prior to frac.
2. Weld on 4-1/2" bell nipple. Install 4-1/2" full opening 5,000 psig frac valve. RU pmp trk. Press test csg to 4,000 psig (83% of int yield). RD pmp trk.
3. RU WL. Run GR/CCL fr/ $\pm 2,010'$ PBTD to surface. Correlate depths to openhole logs.
4. Perf PC 1 JSPF w/3-1/8" csg gun fr/ $\pm 1,855'$ - $1,905'$ (ttl $\pm 51 - 0.33"$ dia holes). Final perf interval will be determined from openhole logs.
5. RU acid trks. BD PC perfs. EIR 4-6 BPM w/2% KCl wtr. Acidize PC perfs w/ $\pm 1,000$ gals 15% HCL acid w/Fe control, corr inhib & surfactant additives & $\pm 85 - 7/8"$ 1.3 SG BS. Overdisplace acid into perfs w/5 BW. Record ISIP, 30 sec, 5", 10" & 15" SIP. Est BD @ 3,000 psig. Pmp acid @ 5-6 BPM. Est TP 2,000 psig. Max press 4,000 psig.
6. RIH w/junk basket & retrieve BS. RDMO WL trk.
7. MIRU frac co. equip. Frac PC perfs w/ $\pm 63,500$ gals 70 Q foamed, 20# guar gelled, 2% KCl wtr carrying $\pm 150,000\#$ 16/30 or 20/40 Brady sd w/last $\pm 30,000\#$ sd resin coated. Pmp frac @ ± 30 BPM. Est TP 1,500 psig. MaxTP @ 4,000 psig. Est frac schedule:

Stage	Stage DH Clean Vol.	Stage Proppant	Cum Proppant
Pad	12,000 gals foam	None	0#
1 PPG	7,000 gals foam	7,000#	7,000#
2 PPG	10,000 gals foam	20,000#	27,000#
3 PPG	15,000 gals foam	45,000#	72,000#
4 PPG	12,000 gals foam	48,000#	120,000#
4 PPG	7,500 gals foam	30,000# resin coated	150,000#
Flush	1,134 gals linear gel	None	150,000#

Record ISIP, 30 sec, 5", 10" & 15" SIP's. RDMO frac equip.

8. Leave well SI for 3 hrs for resin sd to cure. Open well on 10/64" ck. Have larger ck sizes available. Adjust ck size as needed to unload well. Flow back to test tnk until sd cleans up or well dies.
9. Kill well w/2% KCl wtr if needed. MIRU PU. MI 2,100' 2-3/8", 4.7#, J-55, EUE, 8rd tbg. PU & TIH w/NC, SN & 2-3/8" tbg. CO to PBTD (If unable to circ use pmp bailer BHA).
10. PUH to 1,850'. RU swab lub. Swab well in. Flow well to TT until sd & N2 cleanup.

11. After N₂ is cleaned up. Get 3 hr flow tst to tst tnk on fixed choke for IP tst. Record liquid vols, FTP, SICP & ck size.
12. Kill well w/2% KCl wtr. Tag fill & CO if needed.
13. ND BOP. Land tbg @ $\pm 1,850'$. NU WH for flwg.
14. Swab well to test tnk until well KO.
15. SWI. RDMO PU.
16. Fin building btry & set comp. Schedule 1st delivery w/EPFS.