

Swab back load.

Lower pkr. to knock off balls from perfs.

POH w/ tbg. and pkr.

Rig up Dresser Atlas perforators. Perforate 3721-25, 3734-38, 3763-72
(from Schlumberger CNL-FD Log dated 1-16-79) equals 3720-24', 3733-37', 3762-71'
(from CRC GR/Collar Log dated 1-28-78) w/ a 4" Jumbo Jet II gun, 1 JSPF,
120° phasing Gram charge- 22, Total holes - 24, Hole dia. -0.44".
Plug back w/ SD 3979-3798 w/ Howco Dump Baker.

GIH w/ 2-7/8" WS and RDG pkr.

Halliburton spot 2 bbls 15% NEFE acid from 3786-3704'.

PUH and set pkr at 3620'. Trap 1000 psi on annulus.

Halliburton acidize new perfs 3720- 771' w/ 2000 gals of 15% NEFE acid spacing
50-7/8" RCN ball sealers throughout to attempt ballout. Pump at 5 BPM w/ an
estimated maximum treating pressure of 4000 psi. Treat as follows:
A. Pump 2000 gals 15% NEFE acid spacing 50-7/8" RCN ball sealers evenly through-out.
B. Surge balls off perfs, if necessary.
C. Flush 2/20 bbls 2% KCL wtr.

Acid to contain:

1 gpt HAI-50
2 gpt Cla-Sta II
1 gpt Losurf-259
10 ppt FE-1A
50 gpt FE-2

Swab back load.

Lower pkr. thru perfs to knock off balls. Reset pkr at 3620' and trap 1000 psi
on annulus.

Halliburton frac new perfs 3720-3771' w/ 15,000 gals frac fluid consisting of
7500 gals gelled 2% KCL wtr. and 7500 gals CO₂ plus 30,000 lbs. 20/40 sand.
Pump at 15 BPM total rate w/ an estimated maximum treating pressure of 3500 psi.
Treat as follows:

Gelled KCL Wtr. Vol. (gals)	CO ₂ Vol. (gals)	Total Vol. (gals)	Sand Concentration	
			<u>Blender</u>	<u>Perfs</u>
1000	1000	2000	pre-pad	
2500	2500	5000	pad	
2500	2500	5000	2	1
2500	2500	5000	4	2
2500	2500	5000	6	3

Flush w/ 250 gals. 2% KCL wtr plus 250 gals CO₂: