

Diagrammatic Sketch of Proposed Dual Completion & Downhole Commingling
YPC F eral AB*5 Com, L-21-185-25. Undes Perm Perm & Atoka, Eddy Co.

Elevation: 3561'GL = 3574'KB

Spudded: March 11, 1978

Init. Compl: Sept. 1, 1978

Top of San Andres - 733'KB

Base of Artesian Water -

Top of Wolfcamp @ 5272'KB

Cisco Pay 6528-68

IPF - 420 mcfpd

L Cisco flowed 21 mcfpd

Upper Canyon flowed 15 mcfpd

Lower Canyon @ 7489'KB

Top of Strawn @ 7996'KB

Top of Atoka @ 8364'KB

Atoka pay flowed 60 mcfpd

Top Morrow clastics @ 8590'KB

Morrow pay - 36 hr SITP = 100 psig.

4 1/2" 10.5-11.6" K55 Csg 8806'

Set @ 8806'KB, cmt'd w/ 510 sx

17 1/2" hole to 335'KB

13 3/8" 48" Jss Csg set @ 335'KB, cmt'd w/ 520 sx CI "C", circulated.

12 1/4" hole to 1104'KB.

8 5/8" 24" J55 Csg set @ 1104'KB, cmt'd w/ 1040 sx CI "C", circulated.

Top of cement @ 6235'KB

Propose to set tbg on Guiberson Pkr @ about 6490'KB. Standing Valve in Atoka Pkr @ 8382'KB.

Perf 6528-6540 24 0.41"

Totd 1200g. 15% DS-30 + N₂

Ret'd 3500g. 15% DS-30 + N₂

Perf 6557-6568 18 0.41"

Totd 1000g. 15% DS-30

Perf 7029-7038 22 0.34"

Totd 1000g. 15% DS-30

Perf 7464-7474 20 0.34"

Totd 1000g. 15% DS-30 + Nitrogen

Dual would require Blast Joints opposite perfs and sliding sleeve above Atoka Pkr - marginal flow from dual does not warrant this added expense.

Atoka pkr - Guiberson UNI-VI Pkr w/ On-Off Tool @ 8382'KB - to replace Blanking Plug w/ Standing Valve

Perf 8430-8436 24 0.34"

Totd 1000g. 7 1/2% MSA + N₂ Ret'd 4000g + CO₂

PRTD 8499 Retrievable Bridge Plug

Perf 8625-8653 w/ 10 0.34" holes

S.Frac 7500" in 12800g. Totd Water + CO₂

7 7/8" TD - 8898'KB, Csg Shoe @ 8806'KB, Diff fill Collar @ 8776'KB, CO₂ - 8665'KB.

Encl. 2
 Case # 6384