

Diagrammatic Sketch of Proposed Dual & Downhole Commingling
YPC - Huber 1A Federal No. 2, P-15-215-21E, Box Canyon Area, Eddy Co., N.M.

Elevation: 4549 SL = 4564 KB
 Spudded: July 18, 1977
 Completed: April 6, 1978

Water table estimated @ 988' KB

Top of Glorieta sd @ 1294' KB

Top of Abo @ 3178' KB

Abo Pfs 3578-3913 tested on pump
 6 BOPD + 29 BW, gas TSTM.

Top of Wolfcamp @ 4270' KB
 Abo-Wolfcamp pfs 4142-4382 swabbed
 2 BOPD + 4 BW, gas TSTM

Top of Penn @ 5646 KB

Cisco-Canyon Pfs 5814-6084
 Flowed S.Wtr + Cond + 250 metpd
 16-hr SITP = 1400" FTP: 90-270" @ 1/4" ck

Top of Canyon @ 6042' KB
 Canyon pfs 6239-66, SW & Cond, 1 B/hr
 48 hr SITP = 300"

Top of Strawn @ 6788 KB
 Strawn Pay flowed 75" @ 1/2" ck = 585 metpd

Top of Atoka @ 7300' KB

Little Box Canyon-Morrow
 Swabbed & Flowed Salt Water, gas TSTM

(X) Flow Cisco-Canyon-Strawn Commingled

(X) Abo-Wolfcamp Shut in with fluid to surface

Surface is weathered San Andres

17 1/2' hole to 260' KB

13 3/8" 61" KSS Csg set @ 260' KB
 cmt'd to surface w/ 12 yds Ready Mix.

12 1/4" hole to 1303' KB.

8 5/8" 24" KSS Csg set at 1303' KB,
 cmt'd to surface w/ 400 sx.

Top of cement @ 3112' KB (Brnd log).

Perf 3578-3913 21 0.34" holes
 Ttd 2000g. 15% DS-30 w/ Ball Sealers
 S. Fine 5000" SH in 4200g. Ttd water

Perf 4143-4382 20 0.34" holes
 Ttd 2000g. 15% DS-30 w/ Ball Sealers
 Perf 4698' 2 holes, cmt'd w/ 400 sx C.C.

.....Top of primary cement @ 4800' KB
 Propose: To set Standing Valve in Strawn Pkr
 @ 6750' KB, rerun tbg w/ pkr to about 5750' KB,
 commingle Cisco-Canyon & Strawn.

Perf 5814-5818 8 .34" holes - 500g. 15%
 Perf 5901-5906 10 .34" holes - 700g. 15%
 Perf 5927-5931 40 .28" holes - 2000g. 15% + N₂
 Perf 6012-6020 12 .34" holes - 1000g. 15%
 Perf 6078-84 12 .34" holes - 500g. 15%
 Perf 6239-6266 62 0.32" holes
 Ttd w/ 3000g. 15% DS-30

.....Guiberson UNI-VI Pkr @ 6750' KB

Perf 6790-96 7 .34" holes - 1000g. 15% + N₂
 Ttd 5000g. 15% DS-30 + 2500g. CO₂

.....CIBP @ 6900' KB w/ 12' cement

5 1/2" 15.5" K-55 Csg set @ 7717' KB, cmt'd
 w/ 630 sx C.C.

Perf 7732-7742 40 .32" Ttd 1000g. 7% + N₂

.....3 1/2" 9.3" Hydril A-95 liner @ 7644-7891' KB,
 TD dtd - 8050' KB, 2 1/2" hole