

Diagrammatic Sketch of Proposed Dual & Downhole Commingling  
YPC - Huber IA Feder No. 2, P-15-21s-21E, Box Co. & 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 mcpd  
 16-hr SITP = 1400" FTP: 90-270" @ 1/4" ck

Top of Canyon @ 6042' KB  
 Canyon pfs 6229-66, SW & Cond, 1 B/hr  
 48 hr, SITP = 300"

Top of Strawn @ 6788 KB  
 Strawn Pay Flowed 75" @ 1/2" ck = 585 mcpd

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

cmtd to surface w/ 12 yds Ready Mix.

12 1/4" hole to 1303' KB.

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

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

Perf 3579-3913 21 0.34" holes  
 Ttrd 2000g, 15% DS-30 w/ Ball Sealers  
 S. Frac 50000" SD in 42000g. Ttrd water

Perf 4143-4382 20 0.34" holes  
 Ttrd 2000g, 15% DS-30 w/ Ball Sealers

Perf 4498' 2 holes, cmtd 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% + N.  
 Perf 6012-6020 12 .34" holes - 1000g, 15%  
 Perf 6078-84 12 .34" holes - 500g, 15%  
 Perf 6239-6266 62 0.32" holes  
 Ttrd w/ 3000g, 15% DS-30

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

Perf 6790-96 7 .34" holes - 1000g, 15% + N.  
 Ttrd 5000g, 15% DS-30 + 2500g, 20%

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

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

Perf 7732-7742 40 .32" Ttrd 1000g, 7% + N.

3 1/2" 9.3" Hydril A-95/liner @ 7644-7891' KB.

TD dild - 8050' KB, 7 1/8" hole

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