

Diagrammatic Sketch of Proposed Dual Completion, Lizzie Howard HK#1

Elevation: 3428 GL = 3445 KB

Spudded: 2-18-77

Init Compl: Atoka, 4-13-77

Dual Compl: Wolfcamp, 4-28-77

Top of San Andres - 705 KB

Base of Artesian Water - 996 KB

Top of Wolfcamp @ 5053 KB

Cottonwood Wolfcamp

IPF: 200 psi on 1/4" Ck = 300 mcfpd

To commingle - open Baker
Model sliding sleeve @ 5076

Top of Cisco @ 6056 KB

Top of Canyon @ 6750 KB

Top of Atoka @ 7115

Undes. Atoka

IPF: 70 psig on 1/2" Ck = 425 mcfpd

Tubing Completion to Sales (Atoka)

Casing Completion Shut-in (Wolfcamp)

17 1/2" hole to 365' KB

13 3/8" 48" JSR Csg set @ 365' KB, cement'd
w/ 380 sr CI "C", circulated.

12 1/4" hole to 1165'

8 5/8" 24" JSR Csg set @ 1165' KB, cement'd
w/ 1225 sr CI "C", circulated.

Top of cement @ 4300'

Blast joints on 2 3/8" tbg opposite perforations
Seating Nipple or Profile and Sliding Sleeve (Closed)

Perf: 5055-5072

Trtd: 2000g. 15% DS-30, 8.6pm @ 5500', ISDP-1550"
Sd Frac'd 210000" Sd in 80000g. treated water.

DV Tool @ 5399' KB, cement'd w/ 350 sr
CI H

Top of primary cement @

2 3/8" 4.7" JSR tbg on Guiberson UNI-VI Pkr
set at 7121' KB w/ on/off tool and Profile.

Perf: 7128-7184 w/ 24 0.34" holes

Trtd: SF 13500" 20/40 in 6000g. 3% MSA + CO₂

PBTD: 7367' KB

4 1/2" 10.5" 11.6" K-55 set @ 7404' KB, cement'd
w/ 250 sr CI H

TD: 7407' DL = 7410' KB hog.

Case # 6381

Exh. 2

9-29-78
E.M.M.