

Well Sketch

Federal 33 Well #1

Measurements 23' Above Ground Level

Present

Proposed

9 5/8" csg set @ 4900' cmt circulated

Formation Tops: Wolfcamp 11,730'  
Atoka 15,104'

← Tieback csg 381 jts 4 1/2" 14.98#/ft  
Atlas Bradford FL-4S P-110

10# 2% KCL treated  
packer fluid

7" csg  
13,025-9506 80 jts S-95 26# LT&C  
9506-7683 45 jts S-95 23# LT&C  
7683-1399 154 jts N-80 26# LT&C  
1399-26' 31 jts S-95 26# LT&C  
DV Tools @ 8878 & 4789'  
Circ 1st stage only!

7" Otis Perma-latch  
pkr @ ± 11,950'

Wolfcamp perforations  
12,021-12,342  
(Selective)

7" csg set @ 12,900'  
Top of cmt by Temp. Survey 3583' 1500 sxs cmt.

4 1/2" Otis Perma-latch pkr set @ 14,798'  
Propose to set CIBP @ 14,940' w/35' cmt on top.  
Strawn perfs: 14,978-15,000; 20-30; 40-46=96 holes

CIBP @ 15,135 w/35' cmt on top  
Perfs 15,280-86'

Perfs 15,630-38'  
Otis WC pkr @ 15,700'

Perfs 15,768-78'

CIBP @ 15,778'  
Otis WC pkr @ 15,790'

Perfs; 15,999-16,004, 08-16, 26-32

PBTD 16,041'  
4 1/2" 13.5#/ft Liner set @ 16,180'  
w/510 sxs.

RECEIVED

SEP 26 1984

C.C.O.  
HOBBS OFFICE