

Smith Federal Gas Com #1 - Attachment

The purpose of this brief is to abandon the current producing zone in the Smith Federal Gas Com No. 1 well and prepare the well for sidetracking.

- NUBOPE 7
1. MI X RUSU
 2. Release tbg (to rel seal assembly, pull appx 4000# tension X turn 10 rounds to right). Load Hole with 10# brine. Note: perfs open on backside; sour gas.
 3. POH w/tbg.
 4. Set CIBP at 7495' X Cap w/35' cmt (MOD D pkr at 7500').
 5. Set CIBP at 7400' X Cap w/35' cmt.
 6. Run pipe recovery log.
 7. Cut X pull casing at approximately 5000'.

Top 353' is 17# N-80 LT&C
Next 5307' is 14# J-55 ST&C
Next 1707' is 15.5# J-55 ST&C
Remainder is 17# J-55 & N-80

8. Spot a 200' cmt plug across cut csg (100' in csg and 100' above). [TAG PLUG]
9. Set cement kick off plug at \approx 4200 - 4400'

Approximate kick off \approx 4200'-4400'
Build angle at \approx 2°/100' to \approx 38°-40°
Angle obtained at \approx 6240'-6430' MD or 6100'-6275' TVD
Hold angle to TD -
Final TD reached @ \approx 8015'-8035' MD or 7500' TVD
Run 5-1/2" 15.5# K-55 casing to TD & cement to surface.
DV tool run @ \approx 6500' TVD

Proposed Cement:

1st Stage - 300 sx 50:50 (H) Pozmix + 4% Gel
14.2 ppg
1.26 ft 3/sk yield

2nd Stage
Lead - 750 sx Class H + 3% Sodium Metasilicate
11.4 ppg
2.82 ft 3/sk yield

Tail - 250 sx Class H Neat
15.6 ppg
1.18 ft 3/sk yield