

- 2-7-69: Made 1 trip w/swb. Fluid level 6000' from surface. Little oil on top of fluid, rest all wtr. Unseated pkr & pulled 4 jts tbgs. Ran Welex thru tbgs perf gun. Perf @ 10,090' & 10,115' w/2 SPF. Set pkr @ 10,130'. Circ down tbgs & up csg annulus - 2 BPM @ 3400#. Set pkr @ 10,100', circ down tbgs & up csg annulus - 1 $\frac{1}{4}$ BPM @ 3400#, circ 100 bbls to clean channel. Pulled tbgs w/pkr. Prep to go in hole w/squeeze tool. Shut in @ 5 PM.
- 2-8-69: Ran tbgs w/4 $\frac{1}{2}$ " Halliburton cmt retainer EZ drill w/10' x 2" drillable tail pipe w/rubber cup on bottom. Ran cup to 10,119', circ cmt around perfs 10,140 - 10,115'. Pulled cup to 10,105'. Circ cmt around perfs 10,090'. Pulled tbgs up & set retainer @ 9189'. Got off of tool & reversed 1 $\frac{1}{2}$ bbls cmt. Set back in retainer & squeezed to 5000# - held OK. Press tbgs to 2000# & got out of retainer. Pulled tbgs.
- 2-9-69: Ran tbgs w/3 7/8" bit. Tagged retainer @ 9189'. Drilled to slips on retainer; slid down hole to 9345'. Drilled to 9355'. Drilling on Tailpipe & rubber cup. Shut in @ 6 PM. (cmt that was run & not reported on 2-8-69 was 75 sx class "C" w/3# salt per sx, 6/10 of 1% Halad 9).
- 2-10-69: Drilled to 9400' - getting rubber & aluminum in returns. Rubber plugging bit. Pulled tbgs. Two cones left in hole. Ran magnet on sandline. Failed to retrieve any iron. Put on shoe w/globe basket. Going in hole w/tbgs.
- 2-11-69: Removed globe basket & shoe. Ran tbgs w/3 7/8" bit. Drilled from 9400' to 9418' in 4 $\frac{1}{2}$ hrs. Getting good returns of aluminum first 4 hrs. Didn't make any hole last 20 min. Pulled tbgs w/bit. Bit worn out. Shut in @ 6 PM.
- 2-12-69: Ran tbgs w/3 7/8" Cone Buster - Clustrite mill. Drilled from 9418' to 9689', little metal returned first 15' - cmt thereafter - 271' prog in 7 hrs.
- 2-13-69: Drilled hard cmt from 9689' to 10,028', stringers from 10,028' to 10,090'. Drilled hard cmt again from 10,090' to 10,160'. Prep to press test - shut in.
- 2-14-69: Pulled tbgs w/3 7/8" mill. Installed well head flange. Press test csg w/2500 PSI Bled off 50# 30 min. Welex perf @ 10,145 - 10,150' w/2 TJS/F. Running tbgs w/RTTS pkr.
- 2-15-69: Spotted acid across perfs 10,145 - 10,150'. Set pkr @ 10,025'. Acidized w/1000 gal 15% spearhead. Max press 4000#, aver press 3950#, ISIP 3400#, 17 min SIP 3100#, aver inj rate 1.4 BPM total load 26 bbls. Ran Western Radioactive Tracer Survey. Fluid going into perf 10,090'. No show of any fluid going up. Very little fluid going below 10,090'. No fluid going below 10,115'. Set pkr @ 10,122', press tbgs to 3600#, bled off 200# in 18 min, csg running over. Set pkr @ 10,025'. Shut tbgs in, tbgs press up to 2000# in 15 min. Released press & swb down to 8500# in 2 $\frac{1}{2}$ hrs. Recovered 35 bbls wtr. Shut in overnight.
- 2-16-69: Tbg press @ 7 AM 50#. Loaded tbgs w/wtr & spotted 4 sx 20/40 sand. Fill from 10,160' to 10,120'. Set pkr @ 9834', squeezed w/75 sx class "C" cmt w/3# salt & 6/10 of 1% Halad 9 per sx. Max squeeze press 5000#. Reversed out & reset pkr @ 9714'. Shut in @ 1 PM w/4400# on tbgs.