

PURVIS OPERATING COMPANY  
RED BLUFF "AKM" STATE NO. 1  
EDDY COUNTY, NEW MEXICO

RECOMPLETION PROCEDURE - BONE SPRING

1. MI & RU PU. Set a frac tank for waste fluid.  
Note: Notify BLM, Roswell at least 48 hrs. before starting W/O.
  2. Blow tubing down; load tubing with 2% KCl water.
  3. Remove well head; install 5000 psig BOP.
  4. Release packer, circulate hole with 2% KCl water and POH w/ tubing, receptacle and packer.
  5. Run and set a CIBP @ 10,400' KB; dump 35' cement on plug (use a grease packer lubricator).  
Check for P/A of WC zone with NMOCD - two sets of perforations.
  6. GIH with a test-treat packer to appx. 4,250' KB, set packer with BOP on hole.
  7. Swab/flow to test perforations 4,364' to 5,899' KB. Delaware
- Note: Pump into perforations with acid and/or KCl water as per instructions from POC.  
Est. cost to run, set and pull RPB.
8. Kill zone, release packer, displace hole with 2% KCl water and POH with tubing and packer.  
Note: If zone produces large amount of fluid, run and set a RBP @ appx. 3,200' KB.
  9. GIH with a test-treat packer to appx. 2,820' KB, set packer with slips on hole.  
Note: Pump into perforations with acid and/or KCl water as per instructions from POC.
  10. Swab/flow to test.
  11. Kill zone, release packer, displace hole with 2% KCl water and POH with tubing and packer.  
Continue with completion procedure below or squeeze off all or part of perforations.
  13. GIH w/tubing OE, spot 500 gallons of 15% NeFe (DI) @ 6,632' KB; POH.
  14. Perforate 6,544' to 6,632' KB as directed by Operator (see attached handwritten note from POC). Bone Spring  
w.c.
  15. GIH with a test-treat packer to appx. 6,475' KB; reverse circulate with 15 bbls. 2% KCL water.
  16. Space out, set packer, NU well head.
  17. Displace acid as per Operator instructions (rate and pressure).
  18. Swab/flow to test.
  19. Retreat and test, T/A zone or P/A.

Combine zones, complete single zone, squeeze off perforations, as directed by Operator and/or continued test of zone(s). No cost included in Estimate. Requires DHC before producing  
Assumes perforations remain open behind tubing and above packer.

NMOCD - please look this draft over. A well bore schematic diagram is attached.  
I need to discuss this with you to decide how to proceed.

Jim O'Briant 1/11/2001 4:22 PM

FOR: JIM PURVIS

Briggs Donaldson  
915-682-7346

To: Messrs 2/1/01  
STUBBLEFIELD  
&  
Bryan Arrant

100' plug across stub,  
tag

Bone Spring  
w.c.

FAX COPY  
PURVIS OIL CO.

2 pages

**PURVIS OPERATING CO.****RED BLUFF STATE #1**

Section 36, T-24-S. R-27-E, Eddy County, NM

