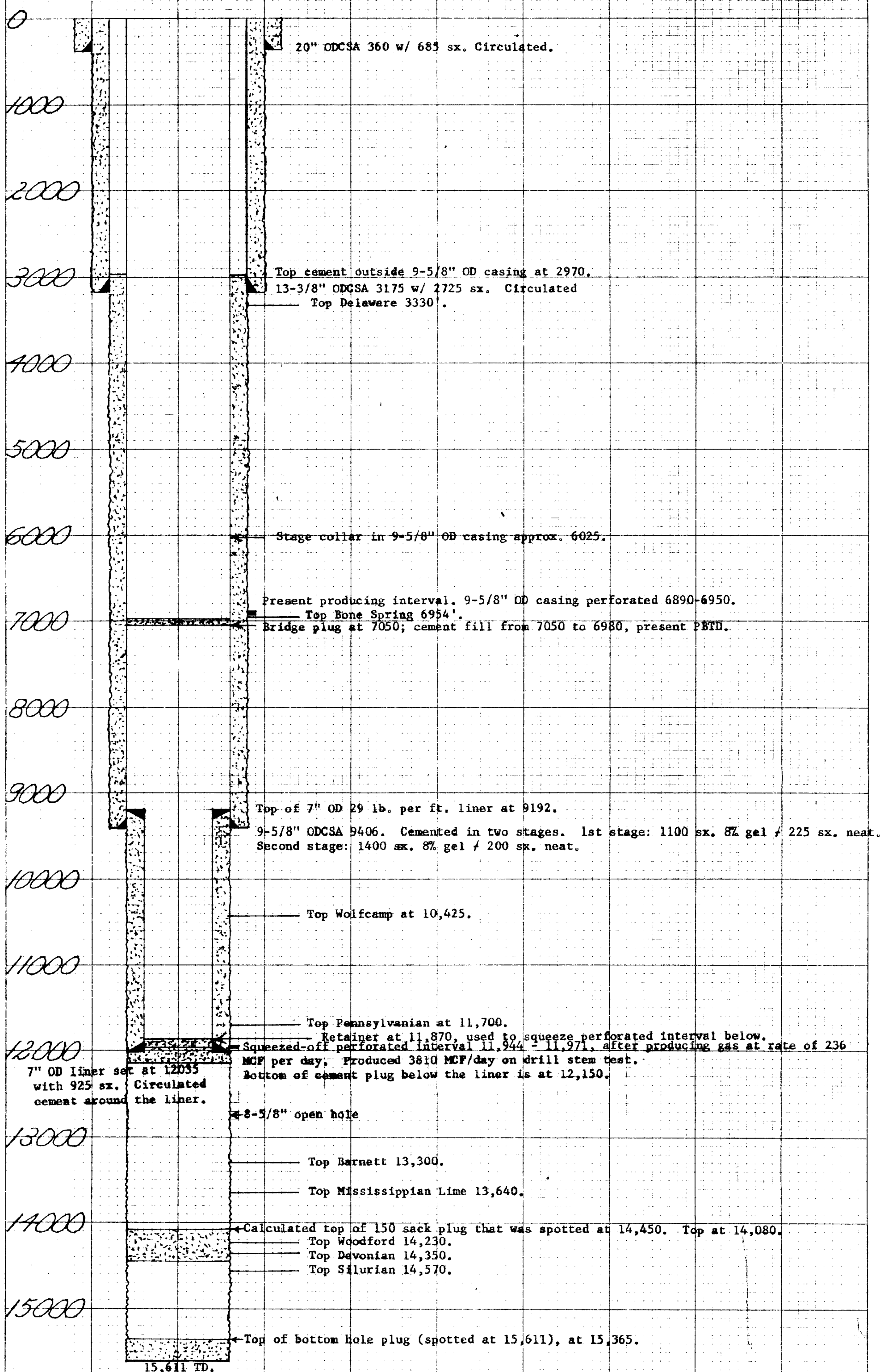


PERRY R. BASS FEDERAL-FIDEL #1



RECOMMENDED WORKOVER PROCEDURE

1. Rig up pulling unit, preventers, and reverse circulation equipment. Pull and lay down the Koba pumping equipment. Pick up an 8-5/8" bit and casing scraper. Go in hole with the bit and scraper on 2-7/8" OD drill pipe. Tag the top of the cement plug at 6980. Attempt to load the hole with fresh water. Pull scraper and bit.
2. Run a drillable retainer on drill pipe; set the retainer at 6850, in the 9-5/8" OD casing. Load the annulus with fresh water; pressure up the annulus to 500 psi to test the casing and to back up the retainer. The bottom 1113' of the 9-5/8" OD casing string is 47 #/ft. N-80 pipe, with a collapse strength (new) of 4760 psi. The pipe was drilled through extensively, so the strength should be estimated 3570 psi in collapse (75%). The next section, (going up the hole) is 6873' of 40 #/ft. N-80, with 3280 psi new collapse strength. The strength of this section should be estimated at 75% or 2460 psi. The perforated interval 6890-6950 should be squeezed with 100 sx. regular neat cement, with due regard for the strength of the casing. WOC time, 24 hrs.
3. Test casing to 1000 psi. Drill retainer and cement; tag plug at 6980; test to 1000 psi. Drill cement and bridge plug 6980 - 7050; run the 8-5/8" bit to the top of the liner at 9192. Test casing to 1000 psi. Pull 8-5/8" bit.
4. Go in hole with 5-7/8" bit. Drill retainer at 11870, and cement to 11,971. Test casing to 1000 psi. Displace fresh water with 10.0 lbs. per gal. brine, and prepare to cope with any accumulated pressure that might exist below the liner shoe. Drill the plug out of the liner, wash down to 13,300; pull bit. Run Baker full bore or Halliburton RTS tool on 2-7/8" OD drill pipe. Set a packer in the base of the 7" OD liner. Displace the drill pipe with Nitrogen; release the pressure and test. Based on indications, further testing of the open-hole section below the 7" OD liner shoe may be desirable.
5. Assuming that the section below the 7" OD liner shoe is barren, pull the packer and set a wire line bridge plug at 12020, in the base of the 7" OD liner. Dump cement on the bridge plug, to fill back to 11,990. (This part of workover can also be accomplished by setting a retainer at 11,990 and pumping 100 sx. of cement below the retainer, following the cement with a bridging ball.)
6. Perforate the 7" OD liner 11,930 to 11,980 with two jet shots per foot. Run the packer and tubing; break down with acid after testing natural; test. Further operations will depend on results of test of the zone 11,930 - 11,980.