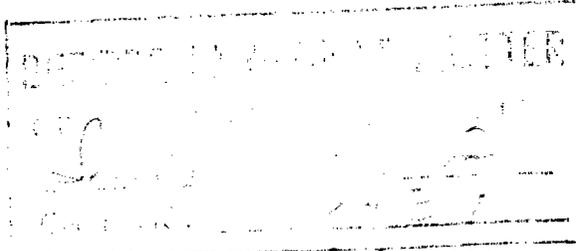


P. L. Davis Well No. 1  
San Juan County, New Mexico  
Operated by Skelly



1957  
Sept.

- 12 Location staked 9/10/57, 990' from the north and east lines of Section 26-26N-11W.
- 21 Spudded 8:15 PM 9/20/57.
- 22, 23 10-3/4" casing set at 268' & cemented w/275 sx cement 2% caCl.
- 29,30 Attempted DST #1 3956-3990' - packer failed. DST #2 3961-3990'. Tool open 1 hr. w/faint blow of air immediately & died in 30 mins. Rec. 15' of drilling mud & fresh water. IFP 80#, FFP 80#, 30 min. SI BHP 370#, Hyd. pressure in 2030#, out 1980#.
- Oct.  
5 DST #3 4900-5019'. 3/4" BHC & 1" Top opening. Tool open 1 hr w/ faint blow of air immediately & died in 5 mins. Pulled drill pipe & rec. 10' of gas cut mud.
- 6,7 Core #1 5290-5340'. Rec. 50'. 11 1/2' sand w/shale laminations, 90% sand. Slight bleeding of gas. 8 1/2' slight bleeding of gas, scattered vertical fractures 5332-40'.
- 8 Core #2, 5340-5346'. Rec. 6' sand w/shale laminations, vertical fractured, bleeding gas.
- 9 Core #3, 5346-5376'. Rec. 30'.
- 10 Core #4, 5391-5414', rec. 23'. fair show. TD 5414'.
- 11 Core #5, 5414-5439'. Rec. 25'. 25' bleeding oil & gas.
- 12 DST #4 5270-5439'. 3/4" BHC & 1" top opening. Tool open 2 hrs. w/ good blow air immediately which continued thruout test. Rec. 5215' of drilling mud.
- 16 Core #6 6126-77'. Rec. 51'. 3 1/2' strong oil odor, bleeding oil.
- 18 Core #7 6177-6229'. Rec. 52'. 4' slight gas odor, 10 1/2' sand, slight gas odor. DST #5, 6128-6229'. Tool open 2 hrs. w/good blow of air immediately, gas to surface in 20mins. & continued as steady blow thruout test. Gas estimated 25 MCF per day. Rec. 206' gas cut mud. IFP 80#, FFP 120#, 30 mins. SI BHP 1240#, Hyd press. in 3025#, out 3015#.
- 19 Core #8 6244-6277'. Rec. 25'. 1' sand slightly bleeding gas. 21' good porosity, slightly bleeding gas, water odor.
- 20,21 Core #9 6277-6310'. Rec. 14 1/2'. No show.

- 22 DST #6 6244-6312', 5/8" BHC & 3/4" top opening. Tool open 3 hrs. w/good blow air immediately which decreased to weak blow at end of test. Rec. 240' of drilling mud.
- 24 TD 6390' - Ran Induction Electric Log, Multi-Spacted GRN log & Micro log. SLM 6368'-6870'.
- 25 TD 6390' - Ran & set 5½" casing @ 6386' & cemented w/250 sx reg. cent & 250 sx pozmix cement. Plug down 6:45 pM 10/24/57. Ran Temp Survey & found top of cement behind 5½" casing at approximately 4920'.
- 1957  
Nov.  
6 Rigged up cable tools, ran Lane Wells GRN log. Perforated 5½" casing w/4 shots per ft. 6312-6317'. Total of 5', 20 shots. Preparing to run tubing & test Dakota section.
- 7 Started swabbing hole down & sand line parted leaving approx. 5000' of sand line & swab in holes.
- 10,11 Attempted to frac 5½" casing perms 6312-17', down 2" tubing - Started pumping sand at 4700# and after pumping 1680# sand pressure increased to 5400#, shut off sand & attempted to flush - Backwashed sand out of tubing, and found top of sand in 5½" casing at 6306'.
- 13 PBSD 6332' - Rigged up reverse circulating unit.
- 14 Reversed out frac sand from 6304'-6332'. Pulled tubing & reran w/ HM packer set @ 6288'. Swabbed approx. 50 bbls formation water, cut w/frac oil in 6 hrs.
- 15 Ran bridge plug set at 6290' & squeezed w/25 sx at 4000#. Pul 19 sx in formation, left 3 sx below bridge plug & reversed out 3 sx. Preparing to pefforate 5½" casing.
- 16 PBSD 6290' - Perforated 6176-88' & 6248-68' w/4 Lane-Wells type E bullets per ft. Total of 32', 128 holes. Ran 2½" tubing set at 6151' w/packer set at 6160'. Well made very small amount of gas, too small to measure. Preparing to frac.
- 17 Fraced Dakota formation thru 5½" casing peff 6176-88' & 6248-68' w/ 20,000# 40-60 sand & 31,920 gals. crude oil using 75 rubber frac balls. Left shut in 4 hrs, & pressure dropped to 690# - Opened well up and flowed 325 bbls load oil in 18 hrs - Killed well w/water & pulled 2½" tubing - Ran N2B bridge plug on Lane Wells wire line & set at 6161'. Dumped 1 sx of cement on top of plug & plugged back to 6153' - Perforated 5½" casing 6130-38' w/ 4 Lane-Wells type "E" bullets per ft. Total 8', 32 bullets.

- 19 Fraced  $5\frac{1}{2}$ " casing perfs 6130-38', w/6000# 40-60 sand & 7100 gals. lease oil - Total time of treatment 27 mins. Left well shut in 3 hrs & pressure dropped to zero. Ran swab one time & well kicked off & flowed 131 bbls. load oil in 12 hrs thru  $2\frac{1}{2}$ " open tubing.
- 21 PBTD 6062'. Ran & set Baker model N bridge plug at 6070' & dumped 1 sx of cement on top of bridge plug, plugging back to 6062'. Perforated 5349-50' & 5413-14' w/ 4 Lane-Wells swing-jet shots per ft., total of 2', 8 holes, to test cement job.
- 22 PBTD 6062' - Swabbed & tested cement job. Cement job tested OK. Perforated  $5\frac{1}{2}$ " casing 5332-49', 5350-68', 5394-5413' & 5414-38' w/ 4 Lane-Wells swing jet shots per ft., total of 78', 312 shots, Acidized  $5\frac{1}{2}$ " casing perfs. 5332-68' & 5394-5438' w/500 gals. 15% Dowell mud acid w/ M-38 added. Max press. 1500#, min. pressure 500#, shut down press. 600#. Preparing to swab.
- 24,25 Fraced Gallup formation 5332-68' & 5394-5438', w/ 70,000# sand & 70,000 gals crude oil, used 150 rubber frac balls. After pumping 26,124 gals. oil and sand blender broke down, flushed w/150 bbls. oil - Replaced blender & completed frac job pumping 43,876 gals. oil & sand. Time of first stage 20 mins, time of second stage 26 mins., total time of treatment 46 mins.
- Dec.  
14 PBTD 6062' - Rigged up combination rig, killed well, now pulling tubing.
- 17 Ran Baker Model "D" production packer on wire line & set at 5975'. Ran  $2\frac{1}{2}$ " tubing w/ packer production tube & seat assembly & set at 5975'. Well kicked off, now flowing to pits to clean up. Making small amount of gas, 1" stream of water w/very small show of load oil.
- 22 Flowed water to pits to clean up for 24 hrs., gas estimated 3000 MCF per day.
- 23 Shut in, preparing to run side door choke & separate Dakota & Gallup sections. PBTD 6289'.
- 27 Shut in TP 1260# (Dakota section), CP 1200# (Gallup Section). Gas measured from Dakota section thru  $2\frac{1}{2}$ " tubing w/2" opening 1900MCF per day. Gas measured from Gallup section thru 2" opening 1400 MCF per day. Officially dually-completed 12/27/57. Dakota & Gallup formations. PBTD 6289'. LAST REPORT.