

DAILY REPORT

- 9-13-76 Went in hole with 4-3/4" bit on 2-3/8" tbg. Drilled Baker stage tool @ 3864'. Cleaned out to 6075'. Circulated hole clean, pulled out of hole. Go International ran gamma-ray correlation log. Select fire perf one hole @ 6032', 5980', 5953', 5935', 5912', 5820', 5704', 5642', 5607', 5585'. Perf 8 holes 5874-5890'. Perf 4 holes 5732-5740'. All holes perf w/Densi Jet 19 charge 0.50" holes.
- 9-14-76 PBTD 6078'. Western Company treated Mesaverde perms using 500 gals 15% HCl and dropped 30 balls in acid, pumped balls down @ 30 B/M and 1200 psi, no ball action. Checked ball dropper, only 10 balls left dropper. Pumped another 500 gals 15% HCl and dropped 30 balls in acid. Pumped acid and balls down @ 33 B/M and 1300 psi, good ball action but did not ball off perf. Final press 4000 psi @ 2 B/M. Go ran junk basket, recovered balls. Frac Mesaverde perms using 2654 hp, 2250 bbls wtr, 40,000# 10-20 sd, used 1-1/2 lbs FR-2X per 1000 gals wtr. IF 1650 psi, Min 1650 psi, Max 2300 psi, Avg 1900 psi, Final 2300 psi, ISDP 500 psi, on vac in 26 min. Avg IR 57 B/M, made one ball drop of 5 balls each, press increased from 1800 to 2300 psi, no break back. Calculated that only had 17 holes open during frac. Used total of 116,200 gals wtr on Mesaverde frac. Set Baker retrievable bridge plug on wire @ 3760', pressure tested plug to 3000 psi, held OK. Perf one jet/2 ft 3708-3720', 3692-3708', 3664-3688', 3650-3658', 3568-3578', 3544-3558', 3528-3542' (total of 47 1/2" diameter holes). Frac Pictured Cliffs fm using 50,000 lbs 10-20 sd, 1625 bbls wtr with 1-1/2# FR-2X per 1000 gals fluid, used 2156 hp. Breakdown 1500 psi. Spearheaded frac w/500 gals 15% HCl. Had 400 psi press break when acid hit. IF 1500 psi, Max 3400 psi, Avg 1600 psi, Final 3400 psi, ISDP 1000 psi, 10-min SI 400 psi, Avg IR 49 B/M, Max IR 57 B/M. Made 4 ball drops of 10 balls each: 1st drop, 100 psi increase; 2nd drop, 100 psi increase; 3rd drop, 700 psi increase; 4th drop, 1500 psi increase. Shut well in overnight.
- 9-15-76 PBTD 6078'. Well on vac, went in hole w/Baker retrieving head, circulated 40' sand off bridge plug, lost 100 bbls wtr while circ sand, pulled bridge plug. Well kicked off after 1-1/2 hrs, flowing strong to pit, let well flow to pit overnight.
- (HAPPY 22nd BIRTHDAY, SHERMAN EDWARD DUGAN)
- 9-16-76 Well making est 3000 MCF w/heavy spray of frac wtr. Relaid flow lines, went in hole w/2-3/8" tbg, tagged up on frac sand @ 5975', laid down 2-3/8" tbg. Pitot tube gauge on well 3440 MCF. Go International ran Baker Model "D" packer set @ 5545' RKB.
- 9-17-76 Well making light spray of oil and wtr. Pitot gauge of well 4076 MCF per day. Ran 179 jts 1-1/4" OD 2.4# JCW 10R EUE tbg set @ 5924' RKB w/Baker seal assy @ 5545' and Baker blast joints across PC perf. Pitot gauge of well before landing tbg 4400 MCF per day. Gauge of PC only after landing tbg 1940 MCF. Killed Pictured Cliffs w/wtr, unable to keep PC dead to install dual tree and donut.
- 9-18-76 Western Company killed PC with 150 bbls wtr, changed out tree, Western Company pumped 0.8 bbls wtr/min while running tbg. Well taking fluid on vac. Western Company pumped total of 340 bbls wtr during day. Ran 115 jts 1-1/4" OD 2.4# JCW 10R EUE tbg set @ 3727' RKB. Nipped up well head. Swabbed Mesaverde fm 2 hrs. Released rig. Both sides of dual dead.