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DAILY ACTIVITY REPORTS

FFE #5

SAN JUAN, NEW MEXICO

2/18/80

Moved in and rigged up Spartan Well Service. Picked up 2-3/8" tbg. and went in hole with 3-7/8" bit. Tugged PBTD at 4798'. Smith Energy Serv. pressure tested 7"-4 1/2" csg. to 2900 psi. Hold O.K. Spotted 300 gals 7 1/2% HCL acid across intended perf interval and came out of hole with tbg & bit. Blue jet perforated point lookout and Mesa Verde formation at 4350', 76', 88', 94', 4600', 67', 12', 20', 26', 31', 43', 59', 70', 4767', 73', 83' - total of 17 holes, 0.33" dia. Acidized perfs with 300 gals 7 1/2% HCL plus 1000 gals 15% HCL. Perfs broke at 1000 psi. Max treat press - 3000 psi, avg. treat press - 2300 psi, avg. ing rate - 18 BPM. Total load 231 bbls. Dropped 26 RCN ball sealers. Good ball action, but no complete ballout. 151p - 200 psi. Frac'ed well with 114,000 gals fresh water and 101,000 # 20-40 sand, limited entry thru 17 holes. Max treat press - 2400 psi, avg. treat press - 2200 psi, avg. ing. rate - 37 BPM, 151p-200 psi. Total load 2721 bbls. Blue jet set a retrievable bridge plug on wireline in 4 1/2" csg. at 4555'.

2/19/80

Pressure treated braker retrievable bridge plug at 4555', with 2900 psi. Hold OK. Blue jet perforated Menefee section of Mesa Verde at 4350', 54', 4434', 42', 76', 85', 4541' - Total of 7 holes, 0.33" dia. Treated perfs with 500 gals 15% HCL. Max treat press - 3000 psi, avg. treat press - 2800 psi, avg. ing. rate - 11.5 BPM, total load - 170 bbls. Isip - 1200 psi. Frac'd Menefee Section with 56,600 gals fresh water (gelled at 10#/100 gal) and 43,000# 20-40 sand Max treat press - 2800 psi, avg. treat press - 2500 psi avg. ing rate - 15.5 BPM, total load - 1248 bbls. Isip - 1250 psi, 15-min Sip - 900 psi. Opened well in a.m. and flowed undetermined cement of load water to pit. Well died after 1 1/2 hrs. Went in hole with Baker hydrostatic bailer and retrieving tool. Bailed about 75' of sand and retrieved BP. Went back in hole to bail sand covering lower perfs. Backed out of sand. Laid down bailer. Went back in hole with 3-3/4" tbg. Landed seating nipple at 4731'. Nippled up wellhead.