

Snell Oil Company
 Middleton-Federal "B" # 1
 660' FML & 660' FWL,
 Section 31, T-19-S, R-32-E,
 NMPM Survey, Lea County,
 New Mexico

HISTORY OF WELL

Middleton Federal "B" No. 1 was spudded at 10:30 PM, MST, April 8, 1963. Drilled with native mud to 847'. Cemented 13 3/8" casing at 845' w/350 sz. Drilled w/aerated water to 3705'. Cemented 8 5/8" casing at 3705' w/3350 sz. Ran temperature survey, top of cement at 2100'. Filled annulus to 823' w/pea gravel. Drilled 7 7/8" hole to 11,100' w/water, to 11,458' w/mud. Core # 1: 11,458' - 11,508' (50' Des Moines). Recovered 50', no shows. Core # 2: 11,508' - 11,560' (52' Des Moines). Recovered 52', no shows. DST # 1: 11,470' - 11,560' (90' Des Moines). Tool open 2 hours. Recovered 100' mud + 120' mud cut salt water w/trace of oil and gas. Core # 3: 11,560' - 11,596' (36' Des Moines). Recovered 36', no shows. DST # 2: 11,558' - 11,596' (38' Des Moines). Tool open 1 hour. Recovered 930' mud cut salt water w/no shows. Ran logs. Drilled 7 7/8" hole to 12,976' w/mud. DST # 3: 12,395' - 12,600' (205' Morrow). Tool open 76 minutes. Recovered 220' mud w/no shows. DST # 4: 12,632' - 12,832' (200' Morrow). Tool open 3 hours. Gas to surface in 12 minutes. Flowed at initial rate of 495 MCFPD, decreased to 375 MCFPD in 3 hours. Recovered 720' heavy gas cut and very slightly water and distillate cut drilling mud. Ran logs. Spotted cement plugs as follows:

30 sz.	Class C cement	11,900' - 11,800'
30 sz.	Class C cement	11,400' - 11,300'
30 sz.	Class C cement	10,600' - 10,500'
30 sz.	Class C cement	8,700' - 8,600'
30 sz.	Class C cement	7,250' - 7,150'
30 sz.	Class C Cement	5,400' - 5,300'
70 sz.	Class C cement	3,750' - 3,650'

Released rig at 9:00 AM, MST, 7-2-63.

The intermediate casing string and well head equipment were sold to H. N. Sweeney July 3, 1963 for use as a Seven Rivers water supply well for drilling in the area.

Original Signed By
 R. A. LOWERY

R. A. Lowery
 District Exploitation Engineer

September 3, 1963