

NM "B" #2 COLFAX COUNTY, NEW MEXICO June 21 (22 days)

Gibson Oilfield Services

1823 TD

JULY 2, 1973

Shut in 15 hrs. SITP 385 psi, bled off pressure tubing, no flow of fluid.

Re-set bridge plug at 1771' and re-set packer at 1392', ran differential temp. survey: 1. Ran static gradient from 1300' to 1771'. with well shut in. Temperature at 1300' 79 degrees, at 1771', 87 degrees.

2. Swab, flow and swab while flowing for 1 1/2 hr.

3. Ran differential temperature log from 1300' to 1371'.

A. Perfs. 1634' to 1637', no positive indications of gas or water entry.

B. Perfs. 1755' to 1761', Survey indicated heating effect in perfs. interval due to water entry with gas and cooling effect below perfs. interval, due to flow of gas.

Due to possibility that the retrievable bridge plug did not give positive shut off during test of perfs. 1634' and 1637', Packer and Bridge plug

were pulled in order to set wire line Bridge plug between perfs & re-set interval with packer.

NM-B-#2 (23 Days) COLFAX COUNTY, NEW MEXICO

TD 1823'

July 3, 1973

Shut in 13-1/2 Hrs. SIP 200 psig. Set cast iron bridge plug at 1710'. Set packer at 1556'. Unloaded after setting packer. Ran swab 3 times. Est. approx. 5 gals. of water on last run. Flowed gas for 45 minutes. Gage 62 mcf per day. Ran swab very low water, less than 5 gals. Gaged gas 1 hour with pitot tube.

Flow Time

MCF per day

0 minutes
15 "
30 "
45 "
1 Hour

70
50
57
57
51

Ran swab less than 5 gals. of water. Shut well in to take shut in pressure:

Shut in time

Pressure Psig

15 minutes
30 "
45 "
1 Hour
1 Hr. 15 min.
1 Hr. 30 min.
1 Hr. 45 min.
2 Hours

50
100
150
215
240
250
255
255

July 4, 1973 (24 Days)

Operations at present are shut down until Monday July 9, 1973 to determine proper stimulation program.