

JUNE 28, 1973

TIME
15 min.
45 min.
1 hr.
1 hr. 30 min.
1 hr. 45 min.
2 hrs.
2 hrs. 15 min.
2 hrs. 30 min.
2 hr. 45 min.
3 hrs.

CASING PRESSURE
170
40
20
13
29
38
43
42
37
34

Shut in 18 1/4 hrs. SI pressure 520 Psig
pressure built up from 490 psig to
520 psig from 16 hrs. to 18 1/4 hrs.,
SIP, Odessa Natural Personnel con-
ducted test-Well was flowing thru 7"
casing with no tubing in well. Test
was with 2" orifice Well Tester with
1/2" positive choke, at well head.
Orifice Well Test Flow Rate MCF
1 1/4" 599
1" 283
1/2" 129
1/2" 94
1/4" 59
1/4" 70
1/4" 75.8
1/4" 74.4
1/4" 64.6
1/4" 61.9

No fluid pressure to surface during
flo period. Composition of gas is
unknown. Fluid in 7" casing probably
affected test. Opened well, blew
down to run tubing. Very little flow
of gas while running tubing, Ran 54
jts. of 2 3/8" EWE #55 tubing (1740.
24 ft.) Set at 1748.24 ft. 3 jts.
perfs. pup joint on bottom. Shut
well in over night.

NM "3" #2 JUNE 29, 1973:
Gibson Oilfield Services
1823 TD

Well shut in 13 1/2 casing pressure 170 psig, tubing pressure none,
Started swabbing. Swabbing from depth 1745'. Swabbed 4 1/2 hrs.
Swabbing out gas cut fluid. Water with some alcohol. Casing pressure
built up to 365 psig. Fluid level steady at approx. 600 to 700'. Wells
started flowing, flowed 3 hrs. casing pressure dropped to 165 psig.
Flowing gas with heavy spray, 1" stream and heads of water. Fluid was
foamy. Ph. 7.0 and salty to taste. Well making too much fluid to gage
with Pitot take est. 100 to 200 MCF per day. No analysis of fluid or
composition of gas.

SATURDAY, JUNE 30, 1973:

Well shut in 15 1/2 hrs., shut in pressure tubing 175 psig, casing 420
psig, bled pressure off casing and tubing, no flow of fluid, pulled
tubing, Ran Baker fullbore packer with retrievable bridge plug. SET
bridge plug at 1766', set packer at 1746' to test perfs. 1755 to 1761'
Made 5 runs wutg swab, Well started flowing. Flowing gas with heads of
foamy water. Water Ph. 7.0 slightly salty to taste. Flowed 45 min.
Shut in overnight.

SUNDAY, JULY 1, 1973:

Well shut in 15 hrs., shut in pressure tubing 145 psig. First run with
swab, fluid level at 800'. Swabbed from packer. Made 6 runs, well started
flowing. Flowed 1 hr., flow rate decreasing. Flowing by heads. Set bridge
plug at 1676' and packer 1622' to test perfs.. 1634' to 1637'. Well started
flowing after setting packer. Flowed for 1 hr. Flow rate decreasing. Ran
swab for 2 hrs.. Swabbing gas, cut water, well will flow some heads while
running swab. Stopped swabbing for 2 1/2 hrs. well would flow ahead of gas
and water for approx. 2 minutes every 10 minute interval. Water is slightly
foamy, Ph. 7.0 and salty to taste. Slight show of light green oil. Est.
volume of gas and water of total flow is 60% from perfs. 1755' to 1761'
and 40% from perfs. 1634' to 1637'.

MONDAY, JULY 2, 1973:

Preparing to run differential temperature survey to determine effect of gas
frac. job.