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SEP 29 1972

JOHNSTON "9" FEDERAL #1

Drill Stem Test Summary

O. C. C.
ARTESIA, OFFICE

DST No. 1, 7780-7826

Tool open initially 15 mins. w/good blow increasing to strong blow, GTS in 19 mins. Tool closed 60 mins., reopened 4 hrs. on 1/2" choke w/5# surface pressure and burning small flare. No change in surface indications. Tool shut in 4 hrs., rec. 1177' fluid (13 bbls.), 1 bbl. 42 gravity pipeline oil, 6 bbls. heavy mud and gas cut oil, and 6 bbls. formation water. Sampler recovery - 1700 cc oil, 11.3 cu. ft. gas @ 2000 psig - no water. IHP 3568, Preflow 173 (15 mins.), ISIP 3062 (60 mins.), IFP 154. FFP 481 (4 hrs.), FSIP 3023 (4 hrs.), FHP 3471, BHT 150 deg. F.

DST No. 2, 9000-9086

Tool open initially 10 mins. w/good blow, GTS in 3 1/2 mins. on 3/8" choke. At end of 10 mins., drill pipe press. 485 at rate of 1690 MCF/D. Shut in 1 hr., reopened on 3/8" choke for 2 hrs.

Time	Pressure	MCF/D
10 mins.	610	2120
20	865	2980
30	1018	3460
40	1100	3780
50	1145	3920
60	1170	4020
70	1185	4070
80	1195	4110
90	1198	4118
100	1200	4124
110	1202	4131
120	1202	4131

Shut in 4 hrs. Recovered 221' gas cut drilling fluid, sampler recovery - 41.3 cu. ft. gas, no fluid at 2900#. IHP 4635, Preflow 708-816, ISIP - 3463 (1 hr.), IFP 773, FFP 1660, FSIP 3463 (4 hrs.), FHP 4451. Office corrected pressures: IHP 4662, Preflow 708-923, ISIP 3504 (1 hr.), IFP 815, FFP 1716, FSIP 3488, FHP 4450.

DST No. 3, 9165-9190

Tool open 15 mins. with fair blow, closed tool 60 mins. Reopened tool for 120 mins. GTS in 44 mins., TSTM. Closed tool for 4 hrs. Recovered 95' drlg. mud, sampler recovery - 3 cu. ft. gas, no pressure. IHP 4719, Preflow 22 (15 mins.), ISIP 3046 (60 mins.), IFP 22, FFP 43 (120 mins.), FSIP 3421 (240 mins.), FHP 4489, BHT 170 deg.