August 7, 1989

Robert N. Enfield
DST NO. 2 10,392' - 10,411' (19')
(Wolfcamp)

INITIAL FLOW: 20 minutes: Open with strong blow, 5" in bucket. At end of 20 minutes on a 1/4" choke, 22 psig, estimated 42.2 mcf/day.

INITIAL SHUT-IN: 120 minutes.

FIRST FINAL FLOW: 60 minutes: Gas to surface before opening tool. Open tool on 1/4" choke with 0.5 psig. At end of 60 minutes on 1/4" choke, 27 psig, estimated 47.9 MCF/day.

FIRST FINAL SHUT-IN: 180 minutes.

SECOND FINAL FLOW: 120 minutes: Open tool on 1/4" choke, with 1 psig. At end of 120 minutes on 1/4 choke had 36.5 psig, estimated 58.7 mcf/day.

SECOND FINAL SHUT-IN: 360 minutes.

DRILL PIPE RECOVERY:

Recovered 703' (10 bbls) of oil, 4466' (58 bbls) of water.

SAMPLE CHAMBER RECOVERY:

Recovered 0.612 cu.ft. of gas, 300 cc oil, 1800 cc of water, 750 psig. Gravity of oil 41.0° at 60°F.

PRESSURES

	FIELD	CALCULATED
INITIAL FLOW (20")	302 - 647 psig	424 - 602 psig (19.3")
INITIAL SHUT-IN (120")	3377 psig	3370 psig (119.2")
FIRST FINAL FLOW (60")	647 - 1289 psig	661 - 1276 psig (62")
FIRST FINAL SHUT-IN(180")	3372 psig	3371 psig (178")
SECOND FINAL FLOW (120")	1289 - 1240 psig	1333 - 2091 psig (120")
2ND FINAL SHUT-IN (360")	3372 psig	3377 psig (361")
INITIAL HYDROSTATIC	5277 psig	5279 psig
FINAL HYDROSTATIC	5277 psig	5298 psig

Bottom hole temperature 148° F.

Source	Resistivity	Chlorides
Mud Pit (8.2 PH)	0.043 @ 80°F	171,000 ppm
Sample (7.0 PH)	0.079 @ 80°F	60,500 ppm
Fluid No. 1 (7.5 PH)	0.044 @ 80°F	177,500 ppm
Fluid No. 2 (6.8 PH)	0.060 @ 80°F	87,500 ppm
Fluid No. 3 (6.8 PH)	0.046 @ 80°F	145,000 ppm
Tool Top (6.8 PH)	0.058 @ 80°F	96,500 ppm