PCI ETAL TWEEDLAKE M-47

DST # 2

INTERVAL 1188 - 1199

TEST WAS MECHANICALLY SUCCESSFUL. THE CHARTS INDICATE LOW PERMEABILITY WITH DAMAGE APPARENT. FLOW RATE MEASURED DURING THE 139 MINUTES CLOSED CHAMBER PORTION OF THE 212 MINUTE FINAL FLOW PERIOD WERE AS HIGH AS 1345 m^3/DAY OF GAS. WHEN OPENED AT SURFACE THE FLOW RAPIDLY DROPPED TO TOO SMALL TO MEASURE.

FLOW/SHUT-IN SEQUENCE

INITIAL FLOW PERIOD	5 MINUTES
INITIAL SHUT-IN	86 " (77 MIN ERR.)
FINAL FLOW PERIOD	212 "
CLOSED CHAMBER	139 "
FLOW TO SURFACE	63 "
FINAL SHUT-IN	600 "

RECORDER DATA Rec # 17737 @ 1180 m

1) INITIAL HYDRO STATIC 15018 KPa
2) FINAL FLOWING PRESSURE (FINAL FLOW) 347 KPa
3) FINAL SHUT-IN PRESSURE (INITIAL SHUT-IN) 12549 KPa (NOT FULLY STABILIZED)
4) FINAL FLOWING PRESSURE (FINAL FLOW) 434 KPa
5) FINAL SHUT-IN PRESSURE (FINAL SHUT-IN) 12725 KPa
6) FINAL HYDRO STATIC 15018 KPa

DST # 2 TEST NOTES CONTINUED.

NOTE: THE CHART PRESSURES ARE ESTIMATES ONLY PROPER CHART READING EQUIPMENT IS NOT CURRENTLY AVAILABLE

RECOVERY FROM DRILL PIPE CONSISTED OF 35 M OF GAS CUT MUD. No LIQUID HYDROCARBONS WERE RECOVERED.

— T. GORMAN

PCI ETAL TWEED LAKE M-47
DST # 2

SEQUENCE OF EVENTS

FEB. 16, 1985

16:30	PICK UP TOOLS, START TO RUN IN HOLE
18:56	PICK UP 4/M TO POSITION PACKERS
18:58	ROTATE STRING TO PUMP UP PACKERS
19:22	WEIGHT ON TOOL TO OPEN B.H. VALVE.
19:29	NO INDICATION B.H. VALVE HAS OPENED INCREASE WEIGHT ON TOOL.
19:34	VALVE OPEN FOR PREFLOW. STILL SHUT-IN AT SURFACE TO MONITOR INFLUX RESPONSE. INITIAL T.H.P. = 100.6 KPa (A)
19:39	CLOSE VALVE FOR INITIAL SHUT-IN. THP = 120.0
20:56	APPLY WEIGHT ON TOOL TO OPEN FOR MAIN FLOW PERIOD. THP = 122.9 KPa (A)
21:05	T.H.P. JUMPS TO 125 KPa (A) INDICATING B.H. VALVE IS OPEN. CLOSED AT SURFACE TO MONITOR FLOW RESPONSE.
21:15	THP = 251.5 KPa (A) ESTIMATE RATE = 976 m^3/DAY ASSUMING A DRY GAS INFLUX. (CLOSED CHAMBER)
21:30	T.H.P. = 410.42 KPa EST. RATE 1252 m^3/DAY
21:45	T.H.P. = 448.4 KPa EST. RATE 1301 m^3/DAY
22:00	THP = 562.2 KPa EST. RATE 1239 m^3/DAY
22:30	THP = 788.4 KPa EST. RATE 1328 m^3/DAY

PCI ETAL TWEED LAKE M-47
DST # 2
SEQUENCE OF EVENTS CONTINUED.

FEB 16, 1985

23:00 T.H.P = 1013 KPa(A) EST. RATE = 1126 m^3/DAY
BEGINNING TO SEE A DECREASE IN CLOSED CHAMBER FLOW RATES. RIG UP TO FLOW TO FLARE PIT.

23:20 T.H.P = 1148.3 KPa (A) EST RATE = 1116 m^3/DAY
23:24 OPEN AT SURFACE THROUGH 1/4" CHOKE. IMMEDIATE GAS TO FLARE. BEGIN TAKING READINGS IMMEDIATELY UPSTREAM AND DOWN STREAM OF 1/4" POSITIVE BEAN CHOKE. INITIAL T.H.P = 1161 KPa(A)
23:30 UPSTREAM PRESSURE (U.S.P.) = 350 KPa (G)
DOWNSTREAM PRESSURE (DSP) = 120 KPa (G)
ESTIMATED RATE USING LYNES TABLES = 2669 m^3/DAY (GAS) NOTE THIS IS HIGH DUE TO BLOWDOWN OF COMPRESSED GASES
23:50 USP = 155 KPa (G) DSP = 60 KPa (G)
EST. RATE 1482 m^3/DAY

FEB 17, 1985

00:10 USP = 45 KPa (G) DSP = 10 KPa (G)
EST. RATE = 846 m^3/DAY
00:30 USP = 20 KPa (G) DSP = 0 KPa (G)
RATE NOT LISTED. EFFECTIVELY T.S.T.M.

PCI ET AL TWEED LAKE M-47
SEQUENCE OF EVENTS CONTINUED
DST #2

FEB 17, 1985

00:37	CLOSE VALVE FOR FINAL SHUT-IN BLEED OFF TUBING HEAD PRESSURE.
10:37	DEFLATE PACKER. PULL OUT OF HOLE
14:05	FIRST TOOLS TO SURFACE
16:00	LAY DOWN LAST TOOLS

END OF DST #2

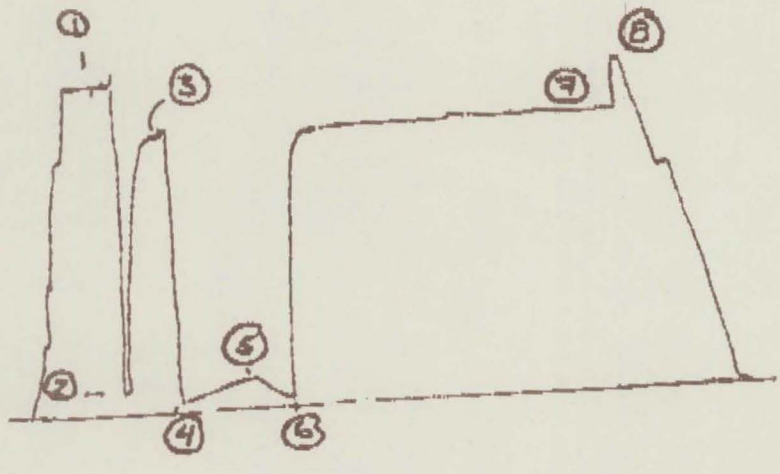
PCI ETAL TWEED LAKE M-47
DST #2

ELECTRONIC RECORDER DATA # 1749 @ 1189 M

INITIAL FLOW	START	396.4	KPa
	END	413.7	KPa
INITIAL SHUT-IN	END	12738.0	KPa
MAIN FLOW	START	499.9	KPa
	OPEN AT SURFACE	1723.7	KPa
		586.1	KPa
	END	12824.2	KPa
FINAL SHUT-IN	END		

INITIAL HYDROSTATIC 15151 KPa
FINAL HYDROSTATIC NOT LISTED.

TRACE OF CHART REC. # 17737 @ 1180 m



① INTIAL HYDROSTATIC
② FREE FLOW
③ INITIAL SHUT IN
④ OPEN FOR MAIN FLOW
⑤ OPEN AT SURFACE
⑥ SHUT-IN
⑦ FINAL SHUT IN P