

LYNES UNITED SERVICES LTD
DST#01 REPORT

p.1

Well name : PCI ET AL TWEED LAKE M-47
Location : 400/ 66.564 / 125.540 /00
Interval : 1212.00m to 1227.00m
Test Date : 85/02/08
Test Type : DUAL CONVENTIONAL BOTTOM HOLE
Formation : TIGHT HOLE

K.B.Elevation : 435.22m
Grd.Elevation : 429.10m
TD @ test Date: 1227.00m
Ticket Number : 66110
Unit Number :

Started in hole at : 1830 hrs
Tool opened at : 2200 hrs
Reverse circulated?: NO
Contractor & Rig No: ATCO #76
Lynes#1 : 1 of 1 on the same trip.

Operator: PETRO-CANADA INC.
ROOM 937 WEST
150 - 6TH AVE. S.W.
CALGARY ALBERTA
T2P3E3

Company Rep : HOPE Y
Testers : BABYAK R

5 REPORTS(S) TO: PAUL BAZINET
Company:

BLOW DESCRIPTION

Closed Chamber test run with Lynes United Services.

TOTAL LIQUID RECOVERY : 65.00m

For DST# 1 through DST# 1
3 Fluid Samples
Sent to: CORE LABS

Sample Salinity :120000.0g/m3

Btm. Hole Sampler #: 221
Sent to: CORE LABS

65.00m SLIGHTLY GAS CUT MUD.

GAS MEASUREMENTS

Bomb#: 7255
Sent to: CORE LABS

No Gas Measurements

DST#01

PCI ET AL TWEED LAKE M-47

1212.00m to 1227.00m

p.2

TOOL SEQUENCE

RECORDER SUMMARY

SUB

LENGTH
(m)

- 1) NUMBER : 001749 ELECTRONIC GAUGE.
TYPE : DMRB PRESSURES AND
LOCATION: OUTSIDE TEMPERATURE.
RANGE: 68900.00kPa(a)
DEPTH : 1214.00m
- 2) NUMBER : 008887 ABOVE HYDRAULIC
TYPE : K-3 TOOL RECORDER.
LOCATION: INSIDE
RANGE: 20000.00kPa
DEPTH : 1203.00m
- 3) NUMBER : 013480
TYPE : K-3
LOCATION: OUTSIDE
RANGE: 20000.00kPa
DEPTH : 1214.00m
- 4) NUMBER : 014103 ABOVE INTERVAL
TYPE : K-3 RECORDER.
LOCATION: INSIDE
RANGE: 20000.00kPa
DEPTH : 1205.00m
- 5) NUMBER : 017737
TYPE : K-3
LOCATION: OUTSIDE
RANGE: 21000.00kPa
DEPTH : 1214.00m

***** TOOL TOTAL

DRILL COLLARS

ID= 72.0mm: 917.05

ID= :

DRILL PIPE

OD=114.3mm:

OD= :

COLLAR-PIPE TOTAL 917.05

STICK UP ABOVE TABLE :

TOOL ABOVE INTERVAL :

TOTAL INTERVAL :

BOTTOM CHOKE SIZE: 12.70 mm

MUD AND HOLE DATA

Calipered Hole Size @ Test Depth:

Hole Condition at Test Time :

Hole Conditioned Prior to Test? : YES

Mud Weight : 1275.0 kg/m3

Mud Type : SALT GEL

Viscosity : 41.0s/l

Water Loss : 14.0cc/s

Filter Cake: 1.5 mm

Main Hole Size: 216.00mm

Temperature @1214.00m = 11.6C

DST#01

PCI ET AL TWEED LAKE M-47
1212.00 m to 1227.00 m

p.3

Location: 400/ 66.564 / 125.540 /00
Test Type: DUAL CONVENTIONAL BOTTOM HOLE
Formation: TIGHT HOLE

Recorder Number: 001749
Recorder Depth: 1214.00 m
Subsea Depth: -778.78 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE (T+dt)/dt kPa(a)	ABSCISSA	PRESSURE SQUARED kPa(a) ² /10 ⁶
1	INITIAL HYDROSTATIC			15186		
2	START OF 1st FLOW	0.0		2327		
3	END OF 1st FLOW	1. 2.		2086 1999		
	1st SHUTIN PERIOD	0.0		1999		
		2.	6291	8291	2.0000	68.7397
		4.	9739	11738	1.5000	137.7877
		7.	10532	12531	1.2857	157.0310
		9.	10635	12635	1.2222	159.6331
		11.	10687	12686	1.1818	160.9423
		14.	10721	12721	1.1429	161.8188
		16.	10739	12738	1.1250	162.2567
		18.	10756	12755	1.1111	162.6977
		20.	10773	12773	1.1000	163.1368
		23.	10773	12773	1.0870	163.1368
		25.	10790	12790	1.0800	163.5764
		27.	10790	12790	1.0741	163.5764
		30.	10808	12807	1.0667	164.0193
		32.	10808	12807	1.0625	164.0193
		34.	10808	12807	1.0588	164.0193
		36.	10808	12807	1.0556	164.0193
		39.	10808	12807	1.0513	164.0193
		41.	10808	12807	1.0488	164.0193
		43.	10808	12807	1.0465	164.0193
		46.	10808	12807	1.0435	164.0193
		48.	10808	12807	1.0417	164.0193
		50.	10808	12807	1.0400	164.0193
		52.	10808	12807	1.0385	164.0193
		55.	10808	12807	1.0364	164.0193
		57.	10808	12807	1.0351	164.0193
		59.	10808	12807	1.0339	164.0193
		62.	10808	12807	1.0323	164.0193

* VALUES USED FOR EXTRAPOLATIONS

DST#01

p.3a

PCI ET AL TWEED LAKE M-47
1212.00 m to 1227.00 m

Location: 400/ 66.564 / 125.540 /00
Test Type: DUAL CONVENTIONAL BOTTOM HOLE
Formation: TIGHT HOLE

Recorder Number: 001749
Recorder Depth: 1214.00 m
Subsea Depth: -778.78 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE (T+dt)/dt kPa (a)	ABSCISSA	PRESSURE SQUARED kPa (a) ² /10 ⁻⁶
		64.	10808	12807	1.0313	164.0193
		66.	10808	12807	1.0303	164.0193
		68.	10808	12807	1.0294	164.0193
		71.	10808	12807	1.0282	164.0193
		73.	10808	12807	1.0274	164.0193
		75.	10808	12807	1.0267	164.0193
		78.	10808	12807	1.0256	164.0193
		80.	10808	12807	1.0250	164.0193
		82.	10808	12807	1.0244	164.0193
		84.	10808	12807	1.0238	164.0193
		87.	10808	12807	1.0230	164.0193
		89.	10808	12807	1.0225	164.0193
4	END OF 1st SHUTIN	91.	10808	12807	1.0220	164.0193
5	START OF 2nd FLOW	0.0		2689		
		2.		2758		
		3.		2982		
		4.		3172		
		5.		3378		
		6.		3585		
		7.		3775		
		8.		3947		
		10.		4326		
		11.		4516		
		12.		4706		
		13.		4861		
		14.		5016		
		15.		5171		
		16.		5326		
6	END OF 2nd FLOW	18.		5619		
	2nd SHUTIN PERIOD	0.0		5619		
		3.	5602	11221	7.6667	125.9153
		6.	6843	12462	4.3333	155.3064

* VALUES USED FOR EXTRAPOLATIONS

DST#01

p.3b

PCI ET AL TWEED LAKE M-47
1212.00 m to 1227.00 m

Location: 400/ 66.564 / 125.540 /00
Test Type: DUAL CONVENTIONAL BOTTOM HOLE
Formation: TIGHT HOLE

Recorder Number: 001749
Recorder Depth: 1214.00 m
Subsea Depth: -778.78 m

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P kPa	PRESSURE(T+dt)/dt kPa(a)	ABSCISSA	PRESSURE SQUARED kPa(a) ² /10 ⁶
		10.	7050	12669	3.0000	160.5061
		13.	7119	12738	2.5385	162.2567
		17.	7153	12773	2.1765	163.1368
		20.	7153	12773	2.0000	163.1368
		24.	7188	12807	1.8333	164.0193
		27.	7188	12807	1.7407	164.0193
		30.	7188	12807	1.6667	164.0193
		34.	7188	12807	1.5882	164.0193
		37.	7188	12807	1.5405	164.0193
		41.	7188	12807	1.4878	164.0193
		44.	7188	12807	1.4545	164.0193
		48.	7205	12824	1.4167	164.4601
		51.	7188	12807	1.3922	164.0193
		54.	7188	12807	1.3704	164.0193
		58.	7205	12824	1.3448	164.4601
		61.	7205	12824	1.3279	164.4601
		65.	7205	12824	1.3077	164.4601
		68.	7205	12824	1.2941	164.4601
		72.	7205	12824	1.2778	164.4601
		75.	7205	12824	1.2667	164.4601
		78.	7205	12824	1.2564	164.4601
		82.	7205	12824	1.2439	164.4601
		85.	7205	12824	1.2353	164.4601
		89.	7205	12824	1.2247	164.4601
		92.	7205	12824	1.2174	164.4601
		96.	7205	12824	1.2083	164.4601
		99.	7205	12824	1.2020	164.4601
		102.	7205	12824	1.1961	164.4601
		106.	7205	12824	1.1887	164.4601
		109.	7205	12824	1.1835	164.4601
		113.	7205	12824	1.1770	164.4601
		116.	7205	12824	1.1724	164.4601
7	END OF 2nd SHUTIN	118.	7205	12824	1.1695	164.4601
14	FINAL HYDROSTATIC			15117		

* VALUES USED FOR EXTRAPOLATIONS