

WELL HISTORY REPORT

SHELL PEEL R YT K-9

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Drillstem Test Charts	
Core Analysis	

SECTION I - SUMMARY OF WELL DATA(a) Well Name and Number

Shell Peel R YT K-9

(b) Permittee

Shell Canada Limited

(c) Name of Operator

Shell Canada Limited, P.O. Box 186, Edmonton, Alberta.

(d) Location

Unit K, Section 9, Grid: 66° 20' 134° 00'
Latitude: 66° 18' 35.72"N
Longitude: 134° 01' 02.22"W

(e) Permit Number

No. 3497

(f) Drilling Contractor

Regent Drilling Company Rig No. 21 (Rotary)

(g) Drilling Authority

Drilling Authority No. 257
Issued February 2, 1967

(h) Classification

Wildcat

(i) Elevations

Ground elevation	1134.3
KB elevation	1146.8

(j) Spudded

February 3, 1967

(k) Completed Drilling

March 5, 1967

(l) Total Depth and Plugged Back Total Depth

T.D. 5100 (Driller) PBTB : Surface

(m) Well Status

Plugged and abandoned

(n) Rig Released

March 7, 1967

(o) Hole Size

24" to 20'
13 $\frac{1}{2}$ " to 562'
6 $\frac{3}{4}$ " to 5100'

(p) Casing

20" Conductor pipe set at 32.5' K.B.
9 $\frac{5}{8}$ " 36# J-55 casing set at 562.0' K.B.

SECTION II - GEOLOGICAL SUMMARY(a) Formation Tops

<u>Formation</u>	<u>Depth</u>
Lower Cretaceous	Surface
Mississippian	2700' (-1553)

<u>Core No.</u>	<u>Interval</u>	<u>Recovery</u>	<u>Description</u>
1	4390-4397	6.7	Conventional 2 1/2" core

(c) Core Description

<u>From</u>	<u>To</u>	<u>Description</u>	<u>Coring Time min/ft.</u>
4390	4391	sandstone	12
4391	4392	sandstone	12
4392	4393	sandstone	8
4393	4394	sandstone	8
4394	4395	shale, silty	19
4395	4396	shale, silty	21
4396	4397	shale, silty	11

Sidewall CoresRecovered 44 of 48 sidewall cores

<u>Depth (ft.)</u>	<u>Lithology</u>	<u>Formation</u>
5000	shale	Mississippian
4936	not recovered	
4891	shale	
4852	shale	
4788	shale	

4746	not recovered
4705	shale
4660	shale
4610	shale
4549	shale
4499	shale
4456	shale
4405	shale
4383	sandstone
4303	shale
4246	shale
4195	shale
4156	shale
4087	shale
4052	shale
3999	shale
3946	not recovered
3899	not recovered
3848	shale
3799	shale
3749	shale
3701	shale
3631	shale
3594	shale
3546	shale
3504	shale

3455	shale
3406	shale
3353	shale
3300	shale
3197	shale
3146	shale
3093	shale
3049	shale
2995	shale
2946	shale
2901	shale
2847	shale
2800	shale
2747	shale
2696	shale
2650	shale
2605	shale

Lower Cretaceous

(d) Sample Descriptions

0 - 300'		No Samples
300 - 500'	Shale	Medium grey to medium dark grey. 0-10% siltstone. Microgranular to cryptogranular. Trace of limestone and dolomite.
500 - 560'	Shale	Medium grey to medium dark grey. 0-5% siltstone, extremely fine. Trace of limestone and dolomite.
560 - 650'		Sample consists of casing.
650 - 670'	Siltstone - Shale	Medium dark grey. 20-80% siltstone and 80-20% shale. 5% dolomite.
670 - 680'	Siltstone - Shale	Medium dark grey. 60-40% siltstone and 60-40% shale. 5% dolomite.
680 - 740'	Shale	Medium dark grey. 0-10% siltstone. Greater than 5% dolomite.
740 - 900'		No Sample
900 - 1000'	Shale	Medium dark grey. Cryptogranular.
1000 - 1020'	Shale	Medium dark grey. Trace of dolomite. Ironstone nodule.
1020 - 1080'	Shale	Medium dark grey. 5% limestone and 5% dolomite.
1080 - 1130'	Shale	Medium dark grey. Trace of dolomite.
1130 - 1220'	Shale	Medium dark grey. Trace of dolomite.

1220 - 1260'	Shale	Medium dark grey. Trace - 5% dolomite.
1260 - 1410'	Shale	Medium dark grey. Trace of dolomite.
1410 - 1600'	Shale	Medium dark grey.
1600 - 1650'	Shale	Medium dark grey.
1650 - 1700'	Shale	Medium dark grey. Trace of siltstone.
1700 - 1750'	Shale	Medium dark grey. Trace of dolomite. Micaceous.
1750 - 1760'	Shale	Medium dark grey. Trace of siltstone. Trace of dolomite.
1760 - 1810'	Shale	Medium dark grey. Trace of dolomite.
1810 - 1820'	Shale	Medium dark grey. Trace of siltstone and trace of dolomite.
1820 - 1870'	Shale	Medium dark grey. Trace of dolomite.
1870 - 1880'	Shale	Medium dark grey. Trace of siltstone and trace of dolomite.
1880 - 1934'	Shale	Medium dark grey. Trace of dolomite. Micaceous, pyritic.
1934 - 1940'	Siltstone	Medium dark grey. 15% shale. Trace of dolomite.
1940 - 1954'	Shale	Medium dark grey. Trace of dolomite. Pyritic.
1954 - 1966'	Siltstone	Medium dark grey. 15% shale. Trace of dolomite.
1966 - 1970'	Shale	Medium dark grey. Trace of dolomite.
1970 - 1980'	Shale	Medium dark grey. 40% siltstone. Pyritic.
1980 - 1990'	Siltstone	Medium dark grey. 30% shale. Glauconitic.

1990 - 2000'	Siltstone - Shale	Medium dark grey. 50% siltstone and 50% shale. Pyritic.
2000 - 2010'	Shale	Medium dark grey. 40% siltstone.
2010 - 2030'	Siltstone	Medium dark grey. 40% shale. Pyritic.
2030 - 2100'	Shale	Medium dark grey. 40% siltstone.
2100 - 2120'	Shale	Medium dark grey. 20% siltstone.
2120 - 2140'	Shale	Medium dark grey. 10% siltstone.
2140-2220'	Shale	Medium dark grey. 20% siltstone.
2220 - 2250'	Shale	Medium dark grey. 10% siltstone. Trace of dolomite. Ironstone nodules.
2250 - 2460'	Shale	Medium dark grey. 10% siltstone. Within this interval of 210': @2260-70: ironstone nodules, 2270-2330: pyritic, 2370-80: pyritic, 2390-2400: pyritic, 2440-50: ironstone nodules, 2450-60: pyritic.
2460 - 2464'	Shale	Medium dark grey. 10% siltstone.
2464 - 2470'	Sandy Siltstone	Medium dark grey. 10% glauconitic, shale.
2470 - 2474'	Shale	Medium dark grey. 10% siltstone. Glauconitic, pyritic.
2474 - 2480'	Sandy Siltstone	Medium dark grey. 10% glauconitic, shale.
2480 - 2490'	Sandy Siltstone	Medium dark grey. 40% shale.
2490 - 2530'	Sandy Siltstone	Medium dark grey - brown grey. 10% shale, glauconitic. Trace of dolomite and limestone.
2530 - 2570'	Sandy Siltstone	Medium dark grey - brown grey. 20% glauconitic shale.

2570 - 2604'	Sandy Siltstone	Medium dark grey - brown grey. 10% pyritic shale.
2604 - 2610'	Shale	Medium dark grey - brown grey. 40% siltstone. Pyritic.
2610 - 2615'	Siltstone	Medium dark grey - brown grey. 10% pyritic, shale.
2615 - 2620'	Shale	Medium dark grey - brown grey. 20% siltstone.
2620 - 2630'	Siltstone- Shale	Medium dark grey - brown grey. 10-90% sandy silt, 90-100% pyritic shale.
2630 - 2640'	Siltstone- Shale	Medium dark grey - brown grey. 10-90% sandy silt, 90-100% pyritic shale.
2640 - 2646'	Sandy silt- stone	Medium dark grey-brown grey. 10% glauconitic and pyritic shale.
2646 - 2650'	Shale	Medium dark grey-brown grey. 10% siltstone.
2650 - 2660'	Siltstone	Medium dark grey-brown grey. 60-90% siltstone. 40-100% pyritic shale.
2660 - 2664'	Siltstone	Medium dark grey-brown grey. 10% shale. Pyritic.
2664 - 2666'	Sand	Medium dark grey-brown grey. 10% shale. Trace of dolomite.
2666 - 2670'	Shale	Medium dark grey - brown grey. 20% siltstone. Pyritic. Trace of dolomite.
2670 - 2680'	Shale	Medium dark grey - brown grey. 20% siltstone. Pyritic. Trace of dolomite.
2680 - 2690'	Sandy Silt- stone	Medium dark grey-brown grey. 40% shale. Glauconitic, pyritic.
2690 - 2700'	Sand	White. Very coarse to very fine. Glauconitic, pyritic.
2700 - 2710'	Sandy Siltstone	Brown grey. 10% shale, glauconitic.

2710 - 2720'	Sandy Siltstone	Light grey to brown grey. Glauconitic and pyritic.
2720 - 2730'	Sandy Siltstone	Light brown grey. Very fine to extremely fine.
2730 - 2734'	Silt-Shale	Medium dark grey to brown grey. 50% siltstone, 50% shale. Trace of dolomite. Micaceous.
2734 - 2740'	Sandy Siltstone	Medium dark grey to brown grey. 10% shale. Trace of dolomite.
2740 - 2746'	Silt-shale	Medium dark grey to brown grey. 50% silt, 50% shale. Trace of dolomite.
2746 - 2750'	Sandy silt	Medium dark grey to brown grey. 10% shale.
2750 - 2810'	Sandy silt	Medium dark grey to brown grey. 40% shale. Micaceous, pyritic and glauconitic.
2810 - 2814'	Sandy silt	Medium grey - Medium dark grey. 10% shale. Glauconitic.
2814 - 2820'	Sandy silt	Medium grey-medium dark grey. 10% shale. Glauconitic.
2828 - 2830'	Sandy silt	Medium grey-medium dark grey. 10% shale. Glauconitic.
2830 - 2840'	Shale	Medium grey-medium dark grey and brown grey. 20% silt.
2840 - 2844'	Shale	Medium dark grey. 10% silt.
2844 - 2850'	Sandy silt	Medium dark grey. 10% shale.
2850 - 2854'	Shale	Medium dark grey. 20% sandy silt.
2854 - 2860'	Sand	Medium dark grey. 10% shale. Trace of dolomite.
2860 - 2884'	Shale	Medium dark grey. 10% silt.
2884 - 2890'	Sandy Silt	Medium dark grey. 10% shale.
2890 - 2900'	Silt-Shale	Medium dark grey. 20-80% silt. 80-20% shale. Trace of dolomite.

2900 - 2956'	Silt-Shale	Medium dark grey. 20-80% silt. 80-20% shale. Trace of dolomite.
2956 - 2960'	Sand	Medium dark grey. 10% shale. Pvritic.
2960 - 2966'	Silt-Shale	Medium dark grey. 20-80% silt. 80-20% shale. Pvritic.
2966 - 2970'	Sand	Medium dark grey. 10% shale.
2970 - 2980'	Shale	Medium dark grey.
2980 - 2990'	Silt-Shale	Medium dark grey. 20-80% silt. 80-20% shale.
2990 - 3000'	Shale	Medium dark grey. Pvritic.
3000 - 3015'	Sand	Medium dark grey-brown grey. Minor silt. 10% shale. Pvritic.
3015 - 3020'	Shale	Medium dark grey-brown grey. 30% sand.
3020 - 3038'	Shale	Medium dark grey-brown grey. 10% silt.
3038 - 3040'	Sand	Medium dark grey-brown grey. 10% shale.
3040 - 3050'	Shale	Medium dark grey-brown grey. Micaceous.
3050 - 3055'	Sandy silt	Medium dark grey-brown grey. 10% shale. Micaceous.
3055 - 3060'	Shale	Medium dark grey-brown grey. 30% sandy silt.
3060 - 3090'	Shale	Medium dark grey-brown grey. 10% silt.
3090 - 3100'	Shale	Brown grey-medium dark grey. Trace-10% silt. 90-100% shale. Micaceous.
3100 - 3180'	Shale	Brown grey-medium dark grey. Trace-10% silt. 90-100% shale. Micaceous.
3180 - 3190'	Shale	Medium dark grey. 5% silt. Micaceous.
3190 - 3200'	Shale	Medium dark grey. 5% silt.

3200 - 3210'	Shale	Medium dark grey. 5% silt.
3210 - 3220'	Shale	Medium dark grey. 5% silt. Pyritic.
3220 - 3230'	Shale	Medium dark grey. 5% silt. Micaceous.
3230 - 3240'	Shale	Medium dark grey. 5% silt.
3240 - 3250'	Shale	Medium dark grey. 5% silt. Micaceous.
3250 - 3280'	Shale	Medium dark grey. 5% silt.
3280 - 3290'	Shale	Medium dark grey. Micaceous.
3290 - 3320'	Shale	Medium dark grey. 5% silt.
3320 - 3350'	Shale	Medium dark grey-brown grey. 5% silt. Micaceous. Some pyrite.
3350 - 3360'	Silt-Shale	Medium dark grey-brown grey. 50% silt, 50% shale.
3360 - 3370'	Shale	Medium dark grey-brown grey. 30% silt with a trace of sand.
3370 - 3380'	Sandy silt	Medium dark grey-brown grey. 20% shale. Trace of dolomite. Micaceous.
3380 - 3390'	Sandy silt	Brown grey. 10% shale. Trace of dolomite. Micaceous.
3390 - 3405'	Sandy silt	Medium dark grey-brown grey. 20% shale. Trace of dolomite.
3405 - 3410'	Sandy silt	Brown grey. 10% shale. Trace of dolomite.
3410 - 3420'	Sandy silt	Light brown grey. 5% shale. Trace of dolomite. Slightly quartzitic.
3420 - 3450'	Sandy silt	Light brown grey-light grey. 5% shale. Trace of dolomite.
3450 - 3496'	Sandy silt	Light brown grey. Trace of shale.
3496 - 3500'	Siltstone	Light brown grey. 10% shale.
3500 - 3508'	Shale	Medium dark grey. 30% silt. Micaceous.

3508 - 3510'	Sand	Light grey. Quartzitic.
3510 - 3520'	Shale	Medium dark grey. 30% silt. Micaceous.
3520 - 3530'	Sandy silt-Shale	Medium dark grey. 30-90% sandy silt. 70 - 10% Shale. Micaceous and pyritic.
3530 - 3548'	Sandy silt-Shale	Medium dark grey. 30-90% sandy silt. 70-10% shale. Micaceous and pyritic.
3548 - 3550'	Silt	Light grey.
3550 - 3560'	Sand	Medium-light grey. 5% dolomite.
3560 - 3570'	Shale	Medium dark grey. 30% silt. Plant remains.
3570 - 3600'	Sandy silt	Medium dark grey. 10% shale. Some mica.
3600 - 3610'	Silt-Shale	Medium dark grey. 50% silt, 50% shale. Micaceous.
3610 - 3620'	Sand	Light grey. 5% dolomite.
3620 - 3630'	Shale	Medium dark grey. 10% silt. Trace of dolomite.
3630 - 3660'	Sand	Medium dark grey-light grey. 5% dolomite.
3660 - 3670'	Sand-Shale	Brown grey. 80-100% sand. 20-0% shale. Trace of dolomite. Pyritic.
3670 - 3680'	Shale	Medium dark grey. Trace of silt. Micaceous.
3680 - 3690'	Shale	Medium dark grey. 10% silt. Micaceous.
3690 - 3740'	Shale	Medium dark grey. 15% silt.
3740 - 3750'	Sandy silt	Medium dark grey-brown grey. 20% shale.
3750 - 3780'	Shale	Medium dark grey. Trace of silt.
3780 - 3806'	Shale	Medium dark grey. 30% silt. Micaceous.
3806 - 3810'	Sand	Brown grey. 20% shale. Trace-5% dolomite.

3810 - 3818'	Shale	Medium dark grey. 30% silt. Trace-5% dolomite.
3818 - 3820'	Sand	Brown grey. 20% shale.
3820 - 3840'	Sandy silt.	Medium dark grey. 10% shale. Micaceous.
3840 - 3844'	Sandy silt	Medium dark grey. 10% shale.
3844 - 3846'	Ironstone	Band of light brown grey ironstone.
3846 - 3850'	Sandy silt	Medium dark grey. 10% shale.
3850 - 3890'	Sand	Light brown grey. Minor silt. Traces of dolomite.
3890 - 3910'	Silt-Shale	Medium dark grey. 50% silt, 50% shale. Micaceous.
3910 - 3920'	Sandy silt- Shale	Medium dark grey-brown grey. 50-100% sandy silt. 0-50% shale.
3920 - 3946'	Silt-Shale	Medium dark grey. 50% silt, 50% shale.
3946 - 3950'	Sandy silt	Brown grey. 5% dolomite. Pyritic.
3950 - 3966'	Silt-Shale	Medium dark grey. 50% silt, 50% shale.
3966 - 3970'	Sandy silt	Brown grey. Medium to extremely fine
3970 - 3978'	Silt-Shale	Medium dark grey. 50% silt, 50% shale.
3978 - 3986'	Sand	Brown grey. Minor silt.
3986 - 3990'	Silt-Shale	Medium dark grey. 50% silt, 50% shale. 5% dolomite.
3990 - 3996'	Sand	Brown grey. Minor silt.
3996 - 4000'	Shale	Medium dark grey. 20% silt.
4000 - 4006'	Sand	Light grey. Minor silt. 5% dolomite.
4006 - 4010'	Silt-Shale	Dark grey. 50% silt, 50% shale. Pyritic and micaceous.
4010 - 4024'	Sand-Dolomite	Light grey. 95-100% sand with minor silt. Trace-5% dolomite.

4024 - 4030'	Silt-Shale	Dark grey. 50% silt, 50% shale. Trace of dolomite.
4030 - 4034'	Sand	Light grey. Minor silt.
4034 - 4040'	Silt-Shale	Dark grey. 50% silt, 50% shale.
4040 - 4058'	Shale	Dark grey. 40% silt.
4058 - 4062'	Sand	Light brown grey. Trace of dolomite.
4062 - 4080'	Shale	Dark grey. 40% silt.
4080 - 4084'	Sand	Light grey. 5% dolomite.
4084 - 4090'	Silt	Dark grey. 20% shale.
4090 - 4100'	Sand	Light brown grey. 5% dolomite. Minor silt.
4100 - 4104'	Sand	Light brown grey. Minor silt.
4104 - 4110'	Silt	Medium dark grey- 20% shale.
4110 - 4128'	Shale	Medium dark grey. 30% silt. Pyritic and micaceous.
4128 - 4134'	Sand	Light brown grey. Minor silt.
4134 - 4142'	Silt	Dark grey. 20% shale.
4142 - 4162'	Sand	Light brown grey. Minor silt.
4162 - 4178'	Silt	Dark grey. 20% shale. Micaceous.
4178 - 4180'	Sand	Light brown grey. Minor silt.
4180 - 4200'	Silt-Shale	Dark grey. 50% silt, 50% shale.
4200 - 4210'	Silt	Medium dark grey. 20% shale. Micaceous.
4210 - 4220'	Silt	Medium dark grey. 10% shale.
4220 - 4230'	Silt-Shale	Medium dark grey. 50-80% silt, 50-20% shale.
4230 - 4240'	Silt	Medium dark grey. 20% shale. Pyritic.
4240 - 4250'	Shale	Medium dark grey. 30% silt. Pyritic.

4250 - 4260'	Sandy silt	Medium dark grey. 20% shale.
4260 - 4274'	Shale	Dark grey. 30% silt.
4274 - 4280	Silt	Dark grey. 20% shale. Pyritic and micaceous.
4280 - 4290'	Shale	Medium dark grey-dark grey. 30% silt. Micaceous.
4290 - 4292'	Sand	Light grey. Minor silt.
4292 - 4300'	Shale	Medium dark grey. 30% silt. Micaceous.
4300 - 4306'	Sandy silt- Shale	Medium dark grey. 30-80% sandy silt. 70-20% shale.
4306 - 4310'	Sand	Light grey. Minor siltstone.
4310 - 4318'	Shale	Dark grey. 30% silt.
4318 - 4324'	Siltstone	Light grey. Trace of shale.
4324 - 4330'	Shale	Dark grey. 30% silt.
4330 - 4334'	Sand	Dark grey. Trace of dolomite.
4334 - 4340'	Shale	Light grey. 30% silt.
4340 - 4354'	Sand	Light brown grey. Minor silt. Band of ironstone.
4354 - 4360'	Shale	Dark grey. Minor silt. Band of ironstone.
4360 - 4364'	Sand	Dark grey. Minor silt.
4364 - 4370'	Shale	Dark grey. 30% silt. Band of ironstone.
4370 - 4394'	Sand	Light grey. Medium-very fine. Band of ironstone.
4394 - 4400'	Shale	Dark grey. 30% silt.
4400 - 4420'	Sand	Light grey. Trace of dolomite.
4420 - 4430'	Silt	Dark grey. 20% shale.
4430 - 4460'	Sand	Light grey. Trace of dolomite.
4460 - 4510'	Shale	Dark grey. 30% silt. Pyritic.
4510 - 4512'	Sand	Light grey. Minor silt. Quartzitic. Micaceous.

4512 - 4548'	Silt-Shale	Dark grey. 50% silt, 50% shale.
4548 - 4550'	Sand	Light grey. Minor silt.
4550 - 4556'	Silt-Shale	Dark grey. 50% silt, 50% shale. Micaceous.
4556 - 4560'	Sand	Light grey-light brown grey. Minor silt.
4560 - 4564'	Sand	Light grey. Minor silt.
4564 - 4570'	Shale	Dark grey. 30% silt.
4570 - 4586'	Sand	Light grey. Minor silt.
4586 - 4610'	Shale	Dark grey. 30% silt. Micaceous.
4610 - 4620'		No Sample.
4620 - 4640'	Shale	Dark grey. 30% silt. Micaceous.
4640 - 4660'	Shale	Dark-medium grey. Trace of sandy silt.
4660 - 4670'	Shale	Dark-medium grey. 20% sandy silt. Micaceous.
4670 - 4680'	Shale	Dark-medium grey. Trace of silt. Micaceous.
4680 - 4700'	Shale	Dark-medium grey.
4700 - 4710'	Shale	Dark-medium grey. Band of fine grained sand with minor silt.
4710 - 4720'	Shale	Dark-medium grey. 30% silt with band of fine grained sand with minor silt.
4720 - 4750'	Sand	Light grey.
4750 - 4780'	Shale	Dark-medium grey. 30% sandy silt. Micaceous.
4780 - 4820'	Shale	Dark-medium grey. Trace of silt.
4820 - 4860'	Shale	Dark grey. 30% silt. Micaceous.
4860 - 4880'	Shale	Dark grey. Trace of silt. Micaceous.

4880 - 4890'	Shale	Dark grey. 30% sandy silt. Micaceous.
4890 - 4892'	Sand	Dark grey. Band of fine grained sand with minor silt.
4892 - 4900'	Shale	Dark grey. Trace of silt.
4900 - 4902'	Sand	Band of medium-very fine sand.
4902 - 4910'	Shale	Dark grey. Trace of silt.
4910 - 4915'	Shale	Dark grey.
4915 - 4920'	Sand	Light grey. Coarse to very fine.
4920 - 4922'	Sand	Light grey. Medium to very fine.
4922 - 4930'	Shale	Dark grey.
4930 - 4940'	Sand	Light grey. Very coarse-very fine.
4940 - 4942'	Sandy silt	Dark grey. Trace of shale.
4942 - 4950'	Shale	Dark grey.
4950 - 4952'	Sandy silt	Dark grey. Trace of shale.
4952 - 4960'	Shale	Dark grey. Trace of silt.
4960 - 4965'	Shale	Dark grey. Trace of silt.
4965 - 4970'	Sand	Light grey. Minor silt.
4970 - 4976'	Silt-Shale	Medium dark grey. 20-50% silt, 80-50% shale.
4976 - 4980'	Sandy silt	Brown grey.
4980 - 4986'	Silt-Shale	Medium dark grey. 20-50% silt, 80-50% shale.
4986 - 4990'	Sandy silt	Light grey.
4990 - 4996'	Silt-Shale	Medium dark grey. 20-50% silt, 80-50% shale.
4996 - 5000'	Sand	Light grey. Minor silt.
5000 - 5010'	Silt-Shale	Medium dark grey. 20-50% silt, 80-50% shale.
5010 - 5016'	Silt-Shale	Medium dark grey. 20-50% silt, 80-50% shale. Pyritic.

5016 - 5027'	Sand	Light grey.
5027 - 5040'	Shale	Medium dark grey. 20% silt. Pyritic.
5040 - 5050'	Sand	Light brown grey. Medium to very fine.
5050 - 5058	Shale	Medium dark grey. 20% silt. Pyritic and micaceous.
5058 - 5060'	Sand	Light grey.
5060 - 5066'	Shale	Medium dark grey. 0-5% silt, 50-100% shale.
5066 - 5070'	Sand	Light brown grey. Quartzitic.
5070 - 5076'	Shale	Medium dark grey. 0-50% silt, 50-100% shale.
5076 - 5080'	Sand	Light brown grey. Quartzitic.
5080 - 5086'	Shale	Medium dark grey. 0-50% silt, 50-100% shale.
5086 - 5090'	Sand	Light brown grey. Quartzitic.
5090 - 5092'	Shale	Medium dark grey. 0-50% silt, 50-100% shale.
5092 - 5096'	Sand	Light brown grey. Quartzitic.
5096 - 5100'	Shale	Medium dark grey. 0-50% silt, 50-100% shale.

Total Depth.

SHELL, PEEL RIVER K-9 (NO. 7)

66° 18' 35.72" N.
134° 01' 02.22" W.

Sidewall Core

2605	Shale	Medium dark grey to brown grey, 40% lithic silt content.
2650	Shale	Medium dark grey to brown grey, 10% lithic silt content.
2696	Sandstone	White, very fine to very coarse grained, lithic, fair sorting, subrounded to rounded, pyritic and glauconitic.
2747	Siltstone	Medium dark grey to brown grey, lithic, 40% argillaceous content.
2800	Siltstone	Medium dark grey to brown grey, lithic, 40% argillaceous content.
2847	Siltstone- Sandstone	Medium to dark grey siltstone to very fine grained sandstone, lithic, 10% argillaceous content.
2901	Shale	Medium to dark grey, 20% lithic silt content, slightly dolomitic.
2946	Siltstone	Medium to dark grey, lithic, 40% argillaceous content.
2995	Shale	Medium to dark grey, pyritic.
3049	Shale	Medium dark grey to brown grey, micaceous.

Sidewall Core

3093	Shale	Brown grey to medium dark grey, slightly silty, micaceous.
3146	Shale	Brown grey to medium dark grey, slightly silty.
3197	Shale	Medium to dark grey, slightly silty, micaceous.
3300	Shale	Medium to dark grey, slightly silty.
3353	Shale-Siltstone	Medium dark grey to brown grey, 50% lithic siltstone and 50% shale.
3406	Siltstone-Sandstone	Brown grey siltstone to fine grained sandstone, lithic, 20% argillaceous content, slightly dolomitic and quartzitic, poor sorting.
3455	Sandstone	Light brown-grey, very fine to very coarse grained, lithic, slightly argillaceous and dolomitic.
3504	Shale	Medium to dark grey, 30% lithic silt content, slightly dolomitic, micaceous.
3546	Siltstone-Sandstone	Light grey siltstone to very fine grained sandstone, lithic, 40% argillaceous content.

Sidewall Core

3594	Siltstone- Sandstone	Medium to dark grey siltstone to fine grained sandstone. Lithic, 10% argillaceous content.
3631	Sandstone	Light grey, fine to coarse grained, lithic, slightly dolomitic.
3701	Shale	Medium to dark grey, 15% lithic silt content, micaceous.
3749	Siltstone- Sandstone	Medium dark grey to brown grey siltstone to fine grained sand- stone, lithic, 20% argillaceous content.
3799	Shale	Medium to dark grey, 30% lithic silt content.
3848	Siltstone- Sandstone	Medium to dark grey siltstone to very fine grained sandstone, lithic, 10% argillaceous content.
3899		Not Recovered.
3946		Not Recovered.
3999	Shale	Medium to dark grey, 20% lithic silt content.
4052	Shale	Dark grey, 40% lithic silt content, slightly dolomitic.
4087	Siltstone	Dark grey, lithic, 20% argillaceous content.

Sidewall Core

4156	Siltstone-Sandstone	Light brown grey, lithic, siltstone to fine grained sandstone.
4195	Shale-Siltstone	Dark grey, 50% lithic siltstone and 50% shale.
4246	Shale	Medium to dark grey, 30% lithic silt content.
4303	Shale	Medium to dark grey, 30% lithic silt content, micaceous.
4383	Sandstone	Light grey, lithic, very fine to medium grained.
4405	Sandstone	Light grey, lithic, very fine to coarse grained, slightly dolomitic.
4456	Sandstone	Light grey, lithic, very fine to coarse grained, slightly dolomitic.
4499	Shale	Dark grey, 30% lithic silt content, pyritic.
4549	Shale	Dark grey, 30% lithic silt content, pyritic.
4610	Shale	Dark grey, 30% lithic silt content, micaceous.
4660	Shale	Medium to dark grey, 20% lithic silt content, micaceous.

Sidewall Core

4705	Shale	Medium to dark grey.
4746		Not Recovered.
4788	Shale	Medium to dark grey, slightly silty.
4852	Shale	Dark grey, 30% lithic silt content, micaceous.
4891	Siltstone-Sandstone	Dark grey, lithic, siltstone to fine grained sandstone.
4936		Not Recovered.
5000	Shale	Medium to dark grey, 20% lithic silt content.

SECTION III - ENGINEERING SUMMARY(a) Report of Drillstem Tests

<u>Test</u>							
<u>No.</u>	<u>Interval</u>	<u>T.O.</u>	<u>IFP</u>	<u>FFP</u>	<u>ISIP/Time</u>	<u>FSIP/Time</u>	<u>Recovery</u>
1	3610-4010	60 mins	55	70	160/30 min	90/60 min	120' (0.73 bbls) drilling fluid
2	4374-4459	75 mins	270	435	1415/30 min	1415/90 min	500' (3.0 bbls) drilling fluid. 100' salt water cut drilling fluid. 300' (1.85 bbls) salt water titrating. 73,000 ppm

(field figures)

Drillstem Test Charts attached(b) Casing Record

<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Amount</u>	<u>Depth</u>	<u>Cement</u>
20"	Conductor pipe		20.0	32.50 KB	115 sacks Const. + 3% CaCl ₂
9 5/8"	36#	J-55	18 jts	562.00	400 sacks + 2% CaCl ₂

(c) Bit Record

<u>No.</u>	<u>Size</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet Cut</u>	<u>Hours Run</u>
1A	13 1/4"	S3	562	562	17
1	6 3/4"	S3	1029	467	7 1/4
2	6 3/4"	S45	1771	742	13 3/4
3	6 3/4"	M4N-J	2240	469	11 1/2
4	6 3/4"	M4N-J	2695	455	11
5	6 3/4"	M4N-J	2868	173	6 1/2
6	6 3/4"	H7UG-J	2958	100	8 1/2
7	6 3/4"	SC4G-J	3406	438	27 1/4
8	6 3/4"	SC4G-J	3897	491	36 1/4
9	6 3/4"	RG7X-J	4010	113	10 3/4
10	6 3/4"	SC4G-J	4323	313	31 3/4
11	6 3/4"	RG7X-J	4390	67	7
bit	4 11/16"		4397	9	2
12	6 3/4"	H7UG-J	4424	25	6
RR7	6 3/4"	SC4G-J	4459	35	6 1/2
14	6 3/4"	H9	4483	24	13 1/2
15	6 3/4"	H7UG-J	4549	66	10 1/4
16	6 3/4"	H7UG-J	4557	8	4
17	6 3/4"	YCHG	4615	58	12 1/4
18	6 3/4"	YCHG	4647	32	7 3/4

<u>No.</u>	<u>Size</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet Cut</u>	<u>Hours Run</u>
19	6 3/4"	H7UG-J	4708	61	9
20	6 3/4"	H7UG-J	4720	12	4 1/2
21	6 3/4"	H7UG-J	4755	35	5
22	6 3/4"	H7UG-J	4835	80	9
23	6 3/4"	H7UG-J	4902	67	6
24	6 3/4"	H7U-J	4918	16	3 1/2
25	6 3/4"	H7UG-J	4950	32	4 3/4
26	6 3/4"	H7UG-J	5003	53	10
27	6 3/4"	H7UG-J	5027	24	3 1/2
28	6 3/4"	H7UG-J	5050	23	7 1/4
29	6 3/4"	H7UG-J	5070	20	4
30	6 3/4"	H7UG-J	5089	19	7 3/4
31	6 3/4"	H7UG-J	5095	6	3
32	6 3/4"	H7UG-J	5100	5	2 1/4

(d) Mud ReportCaustic Soda

70 sacks

Peltex

346 sacks

Bentonite

572 sacks

(e) Deviation RecordDepth (feet)Deviation (Totco °)

30	3/4
60	1
90	3/4
150	1/2
200	1/2
300	1/2
1020	1 1/8
1750	2
2240	3
2675	4 1/4
2868	4 1/4
2950	4
3406	9 1/2
3875	11
4323	16 1/2
4400	16 1/4
4700	20
4800	20
5000	21

(f) Abandonment Plugs

<u>Date</u>	<u>Interval</u>	<u>Cement & Additives (sacks)</u>	<u>Remarks</u>
3/6/67	4650-5100	156 sacks	
3/7/67	2650-2750	45 sacks + 2% CaCl ₂	Tagged @ 2575'
3/7/67	512-612	40 sacks + 2% CaCl ₂	Tagged @ 495'
3/7/67	Surface and rathole	15 sacks	Cut off casing; Welded on name plate

(g) Lost Circulation Zones

None

(h) Blowouts

None

SECTION IV - LOGS

<u>Date</u>	<u>Interval</u>	<u>Type</u>
3/2/67	5011 to 563	Induction Electric
3/2/67	5014 to 563	Microlog Caliper
3/2/67	5012 to 563	Borehole Compensated Sonic
3/2/67	5013 to 563	Compensated Formation Density
3/3/67	TD to surface	Seismic Reference Survey
3/5/67	5090 to 4800	Induction Electric
3/5/67	5088 to 4800	Compensated Formation Density

SECTION V(a) Core Analysis

Attached

(b) Water Analysis

Forwarded March 9, 1967

<u>Lab. No.</u>	<u>Interval</u>	<u>Source</u>
(E67-3232	3610' - 4010'	DST #1
(E67-3233-1	4374' - 4459'	DST #2
(E67-3233-2	4374' - 4459'	DST #2

(c) Gas Analysis

None

(d) Oil Analysis

None

Received: Feb. 26, 1967 Report of: March 2, 1967 Well: Location: Shell Pool R. YF K-9
 Operator: Shell Canada Ltd. Field or Area: Sample Interval: 3610' - 4110'
 Elev.: K.B. 1147' Grd. 1134' Zone/Formation: MS-2 Sampled by: D.P. Fritz Date: Feb. 18, 1967
 Method of Production: D.S.T. #1 Sampled from: Top of tool

OTHER PERTINENT DATA WELL T.D. 4010. Performance of Open Hole Interval: 3610' - 4010'. Recovered: 120' of mud. Temperature at point of sampling: 100°C. Nature of sample: Produced water.

(Signed)

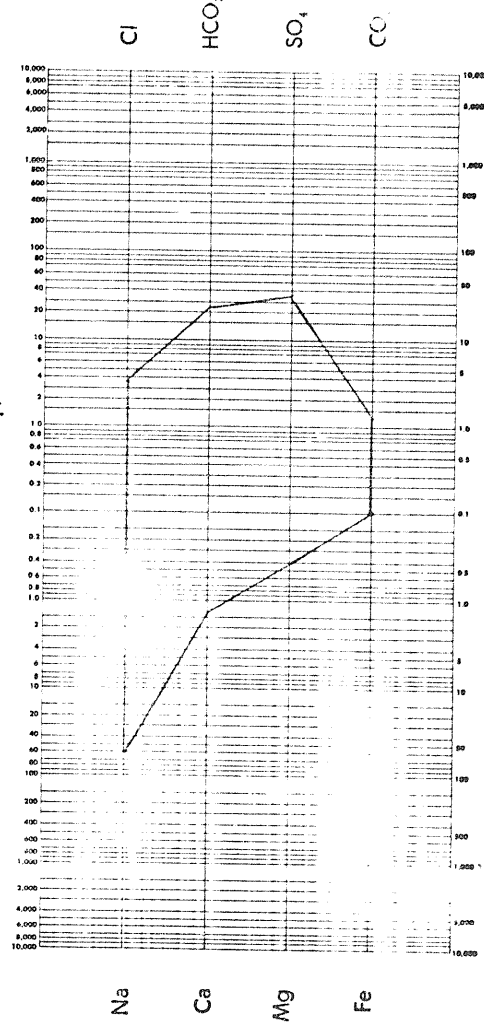
	Na	K	Ca	Mg	SO ₄	Cl	CO ₃	HCO ₃
Mg./L	1,400	28	5		1,638	13	40	1,520
Meq./L	62.29	1.40	0.41		34.07	3.78	1.33	24.92
Meq. %	48.59	1.09	0.32		26.58	2.95	1.04	19.44

Total Solids Mg./L: By Evaporation 10,580 Fe Present Specific Gravity 1.004 @60°F Observed pH 8.7 @ 72 °F
 Calculated 4,797 After Ignition 4,100 H₂S Nil Refractive Index 1.3370 @25°C Resistivity 1.72 ohm meters @ 68 °F

EQUIVALENT NaCl: 221 Mg./l.

Remarks and Conclusions

The sample consisted of very muddy water. The filtered water was dark brown in colour.
 Heavy deposit of organic matter detected in evaporated total solids.



Received: Feb. 24, 1967
 Reported: March 1, 1967
 Well: Location: Peel River YT K-9
 Field or Area:
 Operator: Shell Canada Limited
 Elevation: K.B. 1147' Grd. 1134' Zone/Formation: MS-1 Sandstone
 Method of Production: D.S.T. #2 Sampled from: 120' above tool
 Sample Interval: 4374' - 4459' Sampled by: D. Fultz Date: Feb. 24, 1967

OTHER PERTINENT DATA Well T.D.: 4459; P.B.T.D.: 4659. Recovered 500' and 100' water cut mud and 300' formation water (gas cut). Well production at sample time: Gas: Slight gas. Temperature at point of sampling: 116°F.

(Signed)

Na	K	Ca	Mg	SO ₄	Cl	CO ₂	HCO ₃
19986		1954	807	38	36320		500
Mg./L							
869.37		97.50	66.34	0.79	1024.22		8.20
Meq./L							
42.07		4.72	3.21	0.04	49.56		0.40
Meq. %							

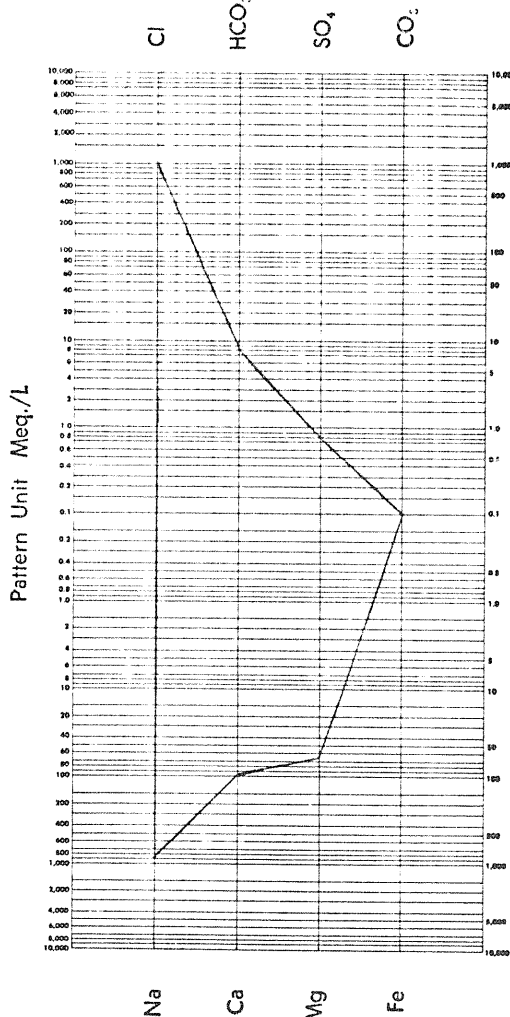
Total Solids Mg/L: By Evaporation 69,760 Fe Present Specific Gravity 1.042 @60°F Observed pH 6.9 @ 72 °F
 Calculated 59,605 After Ignition 56,280 H₂S Nil Refractive Index 1.3458 @25°C Resistivity 0.139 ohm meters @ 68 °F

Equivalent NaCl: 59,877 Mg/l.

Remarks and Conclusions

The sample consisted of 85% light brown coloured water and 18% muddy deposit.

Organic matter detected in evaporated total solids.



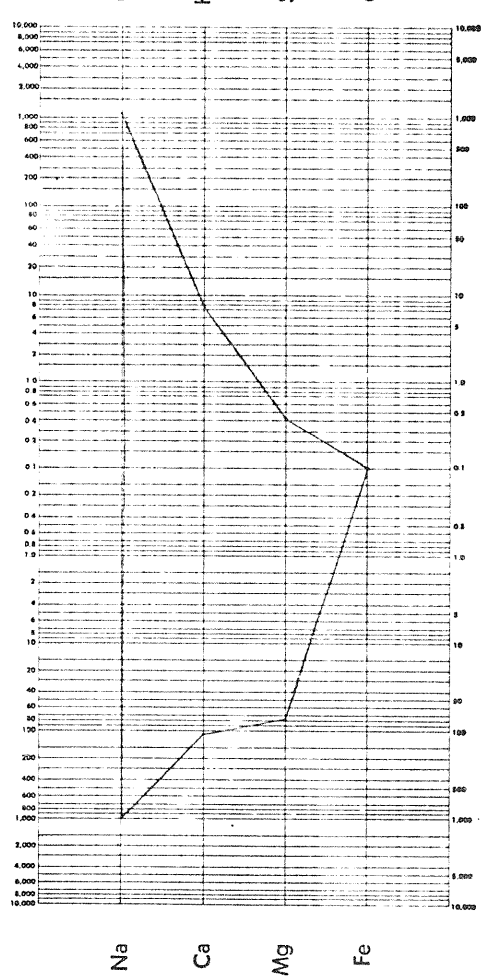
Received: Feb. 24, 1967 Reported: March 1, 1967 Well: Location: Peel River YT K-9
 Operator: Shell Canada Limited Field or Area:
 Elev.: KB. 1147' Grd. 1134' Zone/Formation: MS-1 Sand Sample Interval: 4374' - 4459'
 Method of Production: D.S.T. #2 Sampled from: directly above tool Sampled by: D. P. Fritz Date: Feb. 24, 1967

OTHER PERTINENT DATA Well T.D.: 4459; P.B.T.D.: 4459. Recovered 500' mud, 100' water cut mud and 300' formation water (gas cut). Temperature at point of sampling: 116°F.

(Signed)

Mg./L	Na	K	Ca	Mg	SO ₄	Cl	CO ₃	HCO ₃
22854			2394	948	20	41960		480
Meq./L	994.17		119.46	77.93	0.42	1183.27		7.87
Meq. %	41.72		5.02	3.27	0.02	49.65		0.33

Total Solids Mg/L: By Evaporation 80,210 Fe Trace Specific Gravity 1.049 @60°F Observed pH 6.7 @ 72 °F
 Calculated 68,656 After Ignition 65,180 H₂S Nil Refractive Index 1.3464 @25°C Resistivity 0.124 ohm meters @ 68 °F
 Equivalent NaCl: 69,175 Mg/L.



Remarks and Conclusions

The sample consisted of 67% yellow coloured water and 33% mud.

Organic matter detected in evaporated total solids.

SECTION VI - COMPLETION SUMMARY(a) Tubing Record

None

(b) Perforation Record

None

(c) Cementation Record

<u>Plug No.</u>	<u>Date</u>	<u>Interval</u>	<u>Formation</u>	<u>Cement</u>	<u>Remarks</u>
1	3/6/67	4650-5100	Mississippian	156 sacks	
2	3/7/67	2650-2750	Mississippian	45 sacks + 2% CaCl ₂	Tagged @ 2575'
3	3/7/67	512-612		40 sacks + 2% CaCl ₂	Tagged @ 495'
4	3/7/67	Surface and rathole		15 sacks	Cut off casing; welded on name plate

(d) Acidization and Fracturing Record

None

(e) Back Pressure and Production Tests

None

T.G. EASTLAND — testers ltd.

R.R. NO. 9 NORTH EDMONTON ALBERTA — PHONE 799 3321

SERVICE REPORT

TEST No. One
Date Feb. 16, 1907
Ticket No. 106

Well Name	SHELL PEEL R. #7			Loc.	Yukon YT K-9
Formation Tested					TOOL ASSEMBLY
Interval	3610	To	4010	Tail Pipe	400
First Flow	5	mins.	Initial Shut-in	30	mins.
Second Flow	60	mins.	Final Shut-in	54	mins.
Maximum Formation Temp.	105 °F				
Fluid Cushion	Amount				
Total Fluid Recovered	120'				
Flow Rate	Mcf/d Pitot Tube w/Water/Merc.				ins.
Side Static Press. Gauge					psig.
Fluid Description	Drilling Fluid				
Remarks	Chased tool 8' to bottom. Very faint air blow on opening, dead in one minute.				
Was tool chased?	yes				
Did mud level drop?					
When did mud level drop?					
Started in Hole	2:00 am	Out of Hole	10:00 am		
Main Hole: Depth	4010	Size	6 3/4"		
Rat Hole: Depth		Size			
Casing: Depth		Size	Weight		
Drill Pipe Size	3 1/2" IF				
Drill Collar: Size	2 1/2" D.C.	I.D. Length	5' O.D.		
Type of Packer(s)	conv.		No. of Packers	two	
Size of Packer Rubber	1 1/2"				
Bottom Choke Size	1/2"	Surface Choke Size			
Drilling Fluid Type					
Viscosity	28	Weight	9.0	W.L.	
					Witnesses
					Co. Rep. Don P. Fritz
					Tester W. J. McKay
					Toolpusher R. Schafferick
					Drlg. Con Regent Rig no. 21

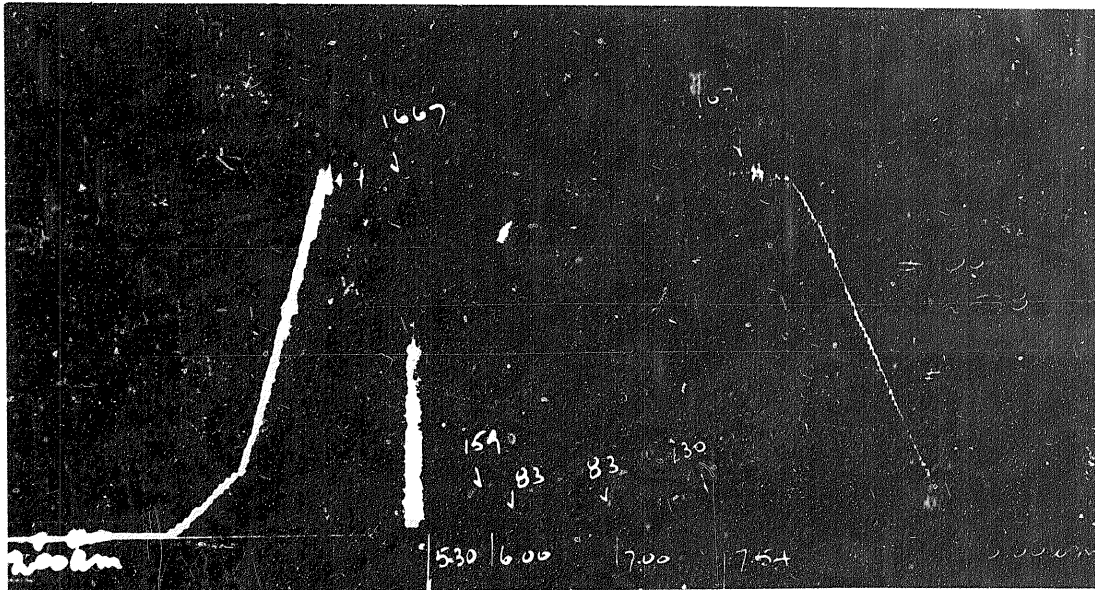
PRESSURE DATA

	Field Estimate	Corrected Readings	
Recorder Number		12675	12987
Recorder Capacity (psig)		1675	3400
Recorder Depth		3578	3625
Recorder Position			
Clock Capacity (hours)		12	12
Initial Hydrostatic	1705		1665
Initial Shut-in	160	56	157
Initial Flow	55	58	81
Final Flow	70	59	81
Final Shut-in	90	60	128
Final Hydrostatic	1675		1665

T.G. EASTLAND — testers ltd.

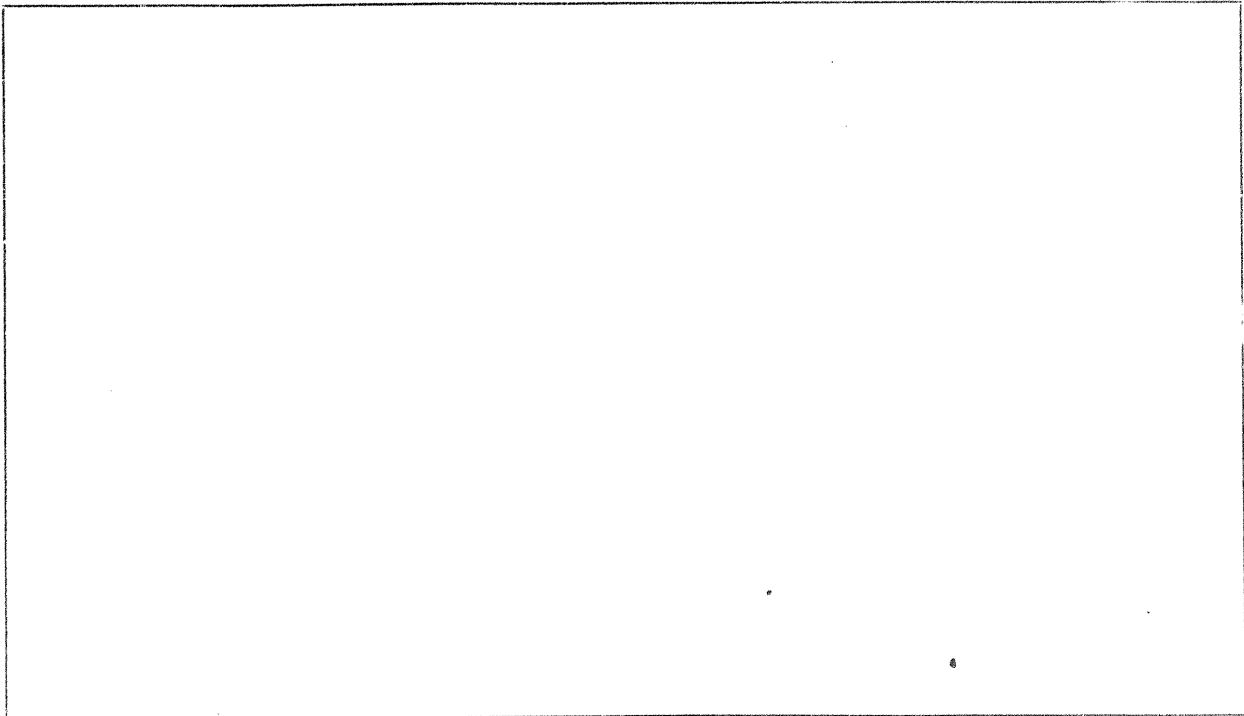
TEST No. One
Date Feb. 16, 1967
Ticket No. 106

WELL NAME SHELL PEEL RIVER #7
RECORDER No. 12538 ELEMENT RANGE 2600 P.S.I. CHART SPEED 12 HRS. RECORDER DEPTH 3631



TIME

RECORDER No. ELEMENT RANGE P.S.I. CHART SPEED HRS. RECORDER DEPTH



TIME

T.G. EASTLAND — testers Ltd.

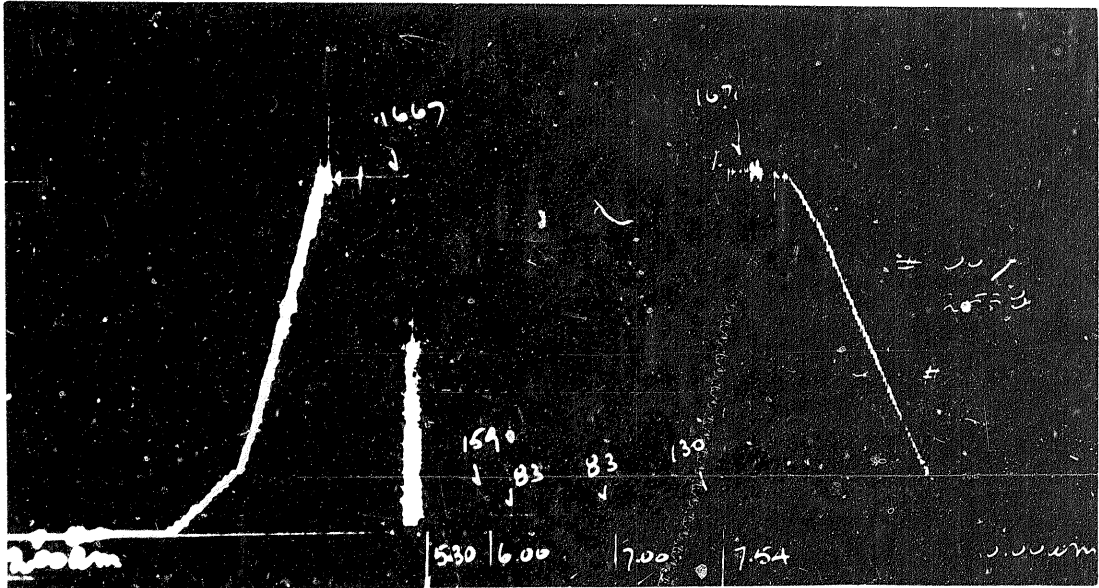
Order No. Feb. 16, 1967
106

SHELL PEEL RIVER #7
12538 2600

12

3631

REORDER NO. ELEMENT RANGE PS. (D.C. PER) (D.C. PER) (D.C. PER)



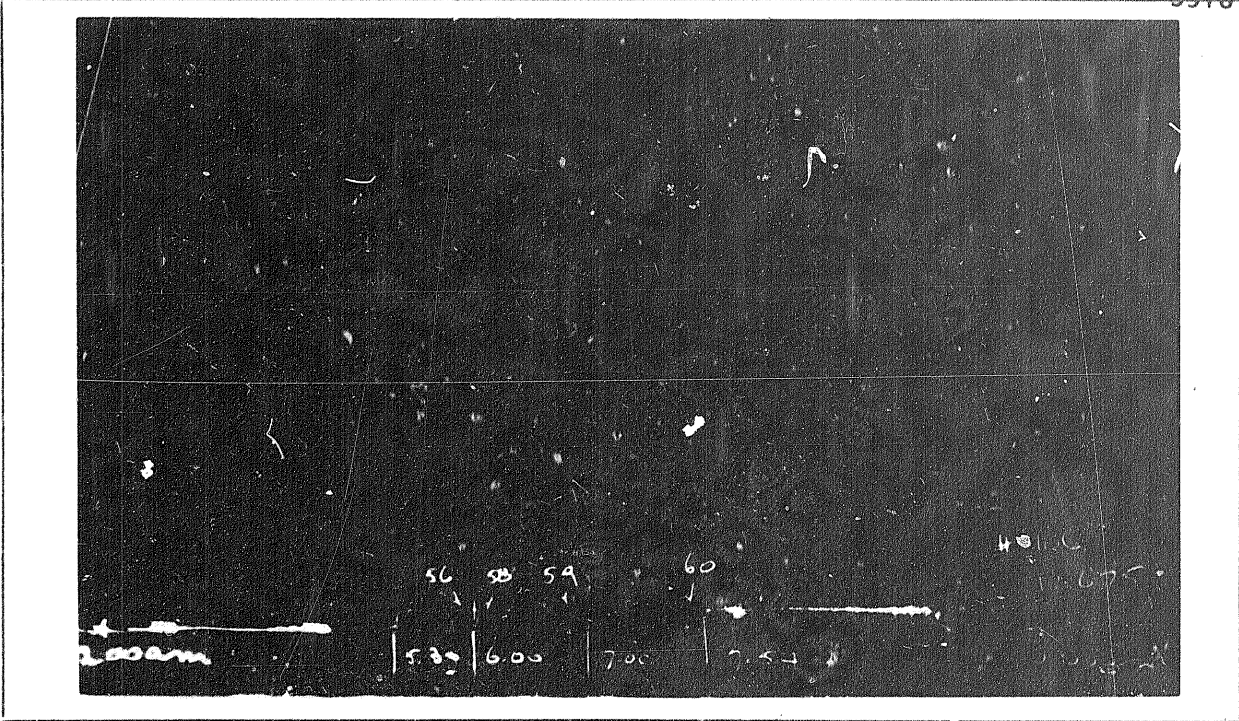
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T.G. EASTLAND — testers ltd.

TEST No. One
Date Feb. 16, 1967
Ticket No. 106

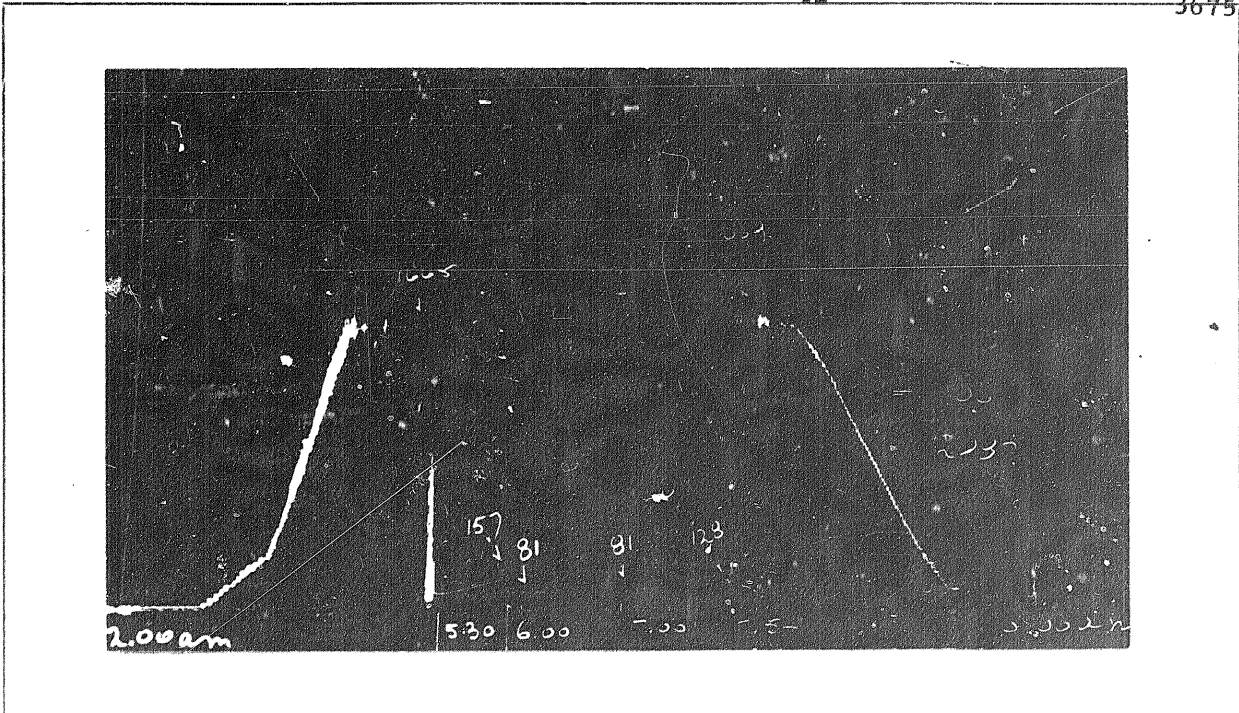
WELL NAME SHELL PEEL RIVER #7

RECORDER No. 12675 ELEMENT RANGE 1675 P.S.I. CHART SPEED 12 HRS. RECORDER DEPTH 3578



TIME

RECORDER No. 12987 ELEMENT RANGE 3400 P.S.I. CHART SPEED 12 HRS. RECORDER DEPTH 3675



TIME

EASTLAND

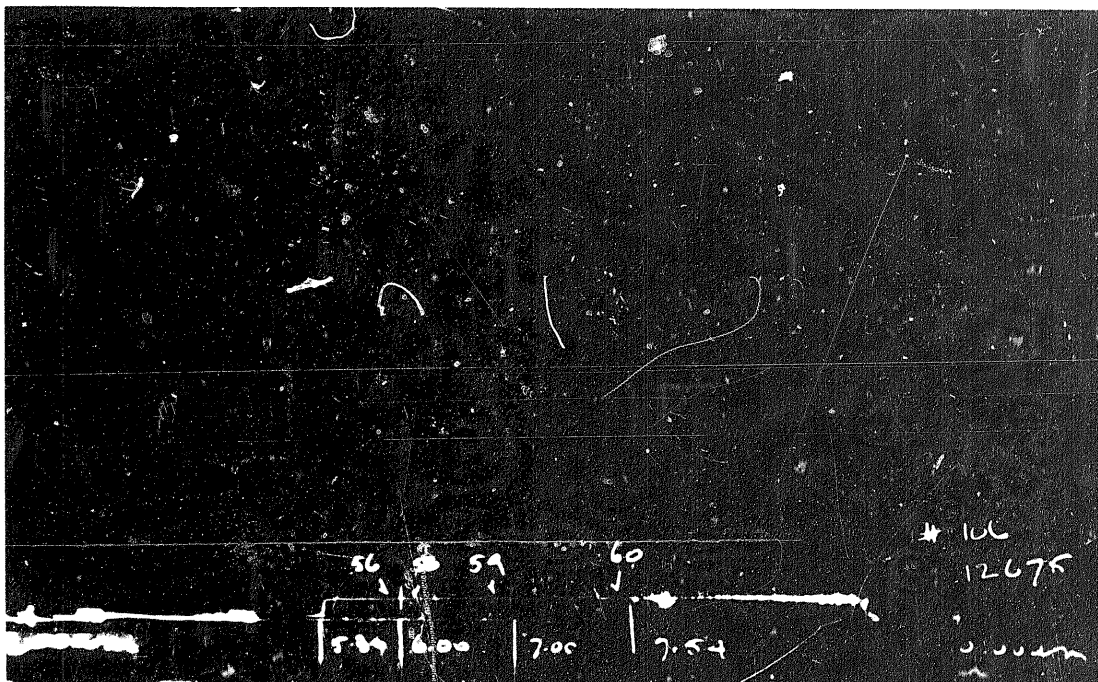
WILLIAMS BROTHERS
1275

12

12

12

12

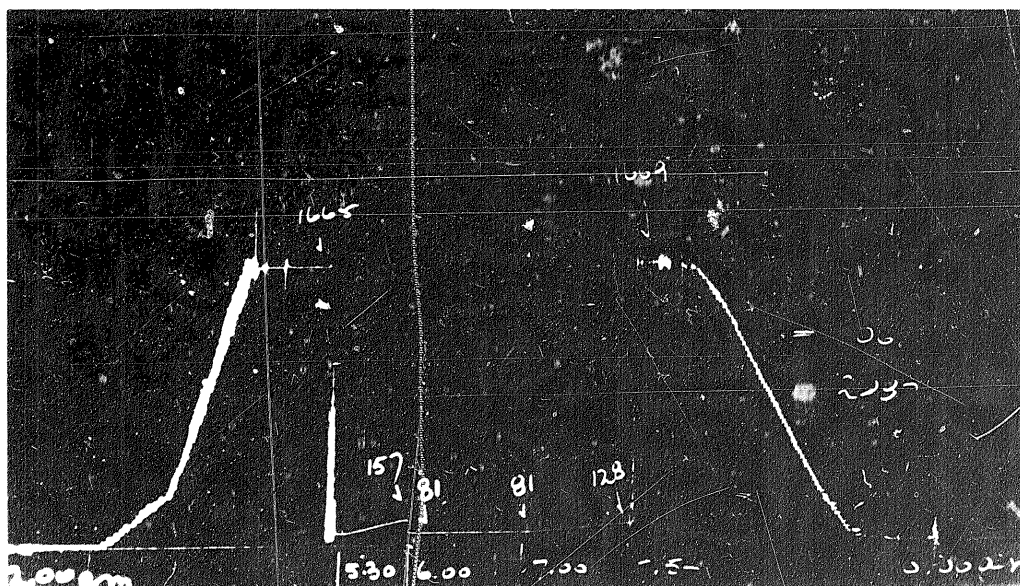


1275

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1275



T.G. EASTLAND — testers ltd.

R.R. No. 6, NORTH EDMONTON, ALBERTA

TEST No. One
 Date Feb. 16, 1967
 Ticket No. 106

DRILL STEM TEST PRESSURE REPORT

WELL NAME SHELL PEEL RIVER # 7 LSD. Yukon YT K-9
 INTERVAL 3610' - 4010' FORMATION _____ B.H. TEMP. °F 105
 GAUGE No. 12987 DEPTH OF ELEMENT 3625 CALIBRATION EQUATION Pc _____

	Time	T	Pressure		Time	T	Pressure
		Mins	psig			Mins	psig
Initial Hydrostatic			1665		7:36	36	113
Initial Shut-in	5:30 am	0	77		7:39	39	115
	5:33	3	86		7:42	42	118
	5:36	6	93		7:45	45	121
	5:39	9	101		7:48	48	123
	5:42	12	110		7:51	51	126
	5:45	15	118		7:54	54	128
	5:48	18	126				
	5:51	21	133	Final Hydrostatic			1669
	5:54	24	140				
	5:57	27	149				
	6:00	30	157				
Flowing Pressure		F1	81				
		F2	81				
Final Shut-in	7:00am	0	81				
	7:03	3	83				
	7:06	6	86				
	7:09	9	88				
	7:12	12	91				
	7:15	15	93				
	7:18	18	96				
	7:21	21	99				
	7:24	24	101				
	7:27	27	104				
	7:30	30	106				
	7:33	33	110				

T.G. EASTLAND — testers ltd.

RR. NO. 6 NORTH EDMONTON ALBERTA - PHONE 799-3321

SERVICE REPORT

TEST No. Two
 Date Feb. 20, 1967
 Ticket No. 107

Well Name SHELL PEEL RIVER # 7				Loc. Yukon YT K-9	
Formation Tested				TOOL ASSEMBLY	
Interval	4374	To	4459	Tail Pipe	84.80
First Flow	6	mins.	Initial Shut-in	36	mins.
Second Flow	75	mins.	Final Shut-in	90	mins.
Maximum Formation Temp.			116	°F	
Fluid Cushion			Amount		
Total Fluid Recovered			500' mud		
Flow Rate	Mcf/d Pitot Tube w/Water/Merc.			ins.	
Side Static Press. Gauge				psig.	
Fluid Description			500' mud, 100' salt water, 73,000 ppm.		
Remarks Chased 5' to bottom, last 3 lbs. of mud. Weak initial puff increasing to fair air blow throughout test.					
Was tool chased? yes					
Did mud level drop? yes					
When did mud level drop? 5'					
Started in Hole 4:30 am			Out of Hole 1:00 pm		
Main Hole: Depth		4459'	Size		6 3/4
Rat Hole: Depth			Size		
Casing: Depth			Size		Weight
Drill Pipe Size		3 1/2 IF			
Drill Collar: Size		32 D.C. I.D. Length			
Type of Packer(s)		Conv.	No. of Packers		2
Size of Packer Rubber		5 3/4			
Bottom Choke Size		1/2"	Surface Choke Size		
Drilling Fluid Type					
Viscosity	33	Weight	9.2	W.L.	7.6
			Witnesses		
			Co. Rep. D.P. Fritz		
			Tester W.J. McKay		
			Toolpusher R. Shafferick		
			Drlg. Cont. Regent, Rig No. 21		

PRESSURE DATA

	Field Estimate	Corrected Readings		
Recorder Number		12675	12987	12538
Recorder Capacity (psig)		1675	3400	2600
Recorder Depth		4343	4389	4395
Recorder Position				
Clock Capacity (hours)		12	12	12
Initial Hydrostatic	2110		2068	2071
Initial Shut-in	1415	246	1382	1385
Initial Flow	270	258	277	280
Final Flow	435	423	437	440
Final Shut-in	1415	424	1380	1382
Final Hydrostatic	2110		2077	2080

T.G. EASTLAND — testers ltd.

W. K. 12. 5 NORTH EDMONTON, ALBERTA PHONE 799 3321

SERVICE REPORT

TEST No. **Two**
 Date **Feb. 20, 1967**
 Ticket No. **107**

Well Name SHELL PEEL RIVER # 7				Loc. Yukon YT K-9	
Formation Tested				TOOL ASSEMBLY	
Interval	4374	To	4459	Tail Pipe	84.80
First Flow	6	mins.	Initial Shut-in	36	mins.
Second Flow	75	mins.	Final Shut-in	90	mins.
Maximum Formation Temp. 116				°F	
Fluid Cushion Amount					
Total Fluid Recovered 500' mud					
Flow Rate Mcf/d Pitot Tube w/Water/Merc.				ins.	
Side Static Press. Gauge				psig.	
Fluid Description 500' mud, 100' salt water,					
Remarks Chased 5' to bottom, last 3 lbs. of					
mud. Weak initial puff increasing to fair					
air blow throughout test.					
Was tool chased? yes					
Did mud level drop? yes					
When did mud level drop? 5'					
Started in Hole 4:30 am		Out of Hole 1:00 pm			
Main Hole: Depth 4459'		Size 6 3/4			
Rat Hole: Depth		Size			
Casing: Depth		Size		Weight	
Drill Pipe Size 3 1/2 IF					
Drill Collar: Size 32 D.C.		I.D. Length			
Type of Packer(s) Conv.		No. of Packers 2			
Size of Packer Rubber 5 3/4					
Bottom Choke Size 1/2"		Surface Choke Size			
Drilling Fluid Type					
Viscosity 33		Weight 9.2		W.L. 7.6	
				Witnesses	
				Co. Rep. D.P. Fritz	
				Tester W.J. McKay	
				Toolpusher R. Shafferick	
				Drlg. Cont. Regent, Rig No. 21	

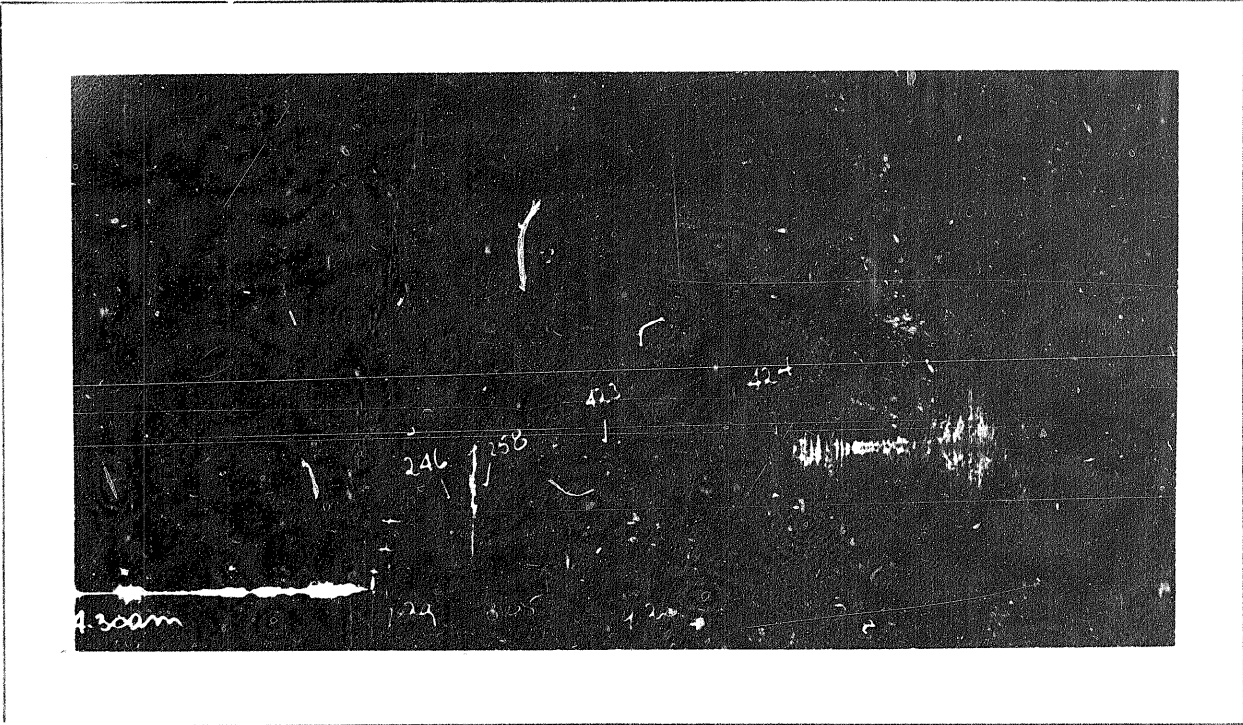
PRESSURE DATA

	Field Estimate		Corrected Readings	
Recorder Number		12675	12987	12538
Recorder Capacity (psig)		1675	3400	2600
Recorder Depth		4343	4389	4395
Recorder Position				
Clock Capacity (hours)		12	12	12
Initial Hydrostatic	2110		2068	2071
Initial Shut-in	1415	246	1382	1385
Initial Flow	270	258	277	280
Final Flow	435	423	437	440
Final Shut-in	1415	424	1380	1382
Final Hydrostatic	2110		2077	2080

T.G. EASTLAND — testers ltd.

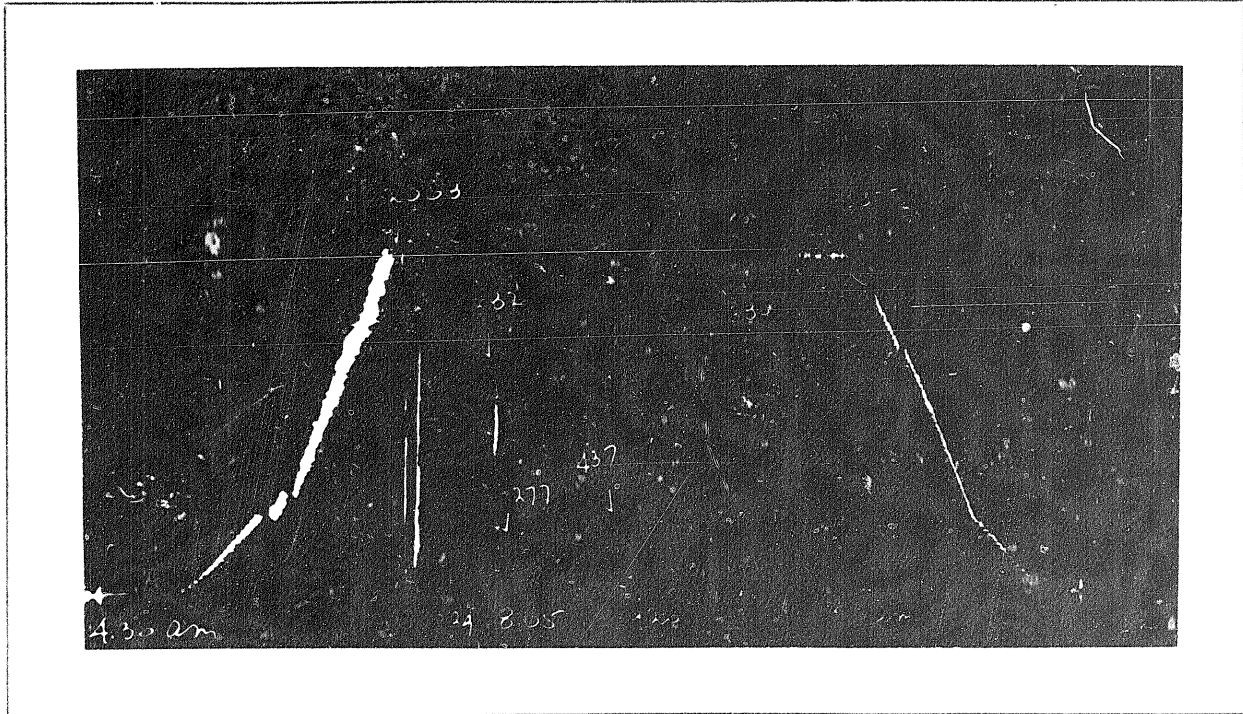
TEST No Two
Date Feb. 20, 1967
Ticket No 107

WELL NAME SHELL PEEL RIVER #7
RECORDER No 12675 ELEMENT RANGE 675 PSI CHART SPEED 12 HRS. RECORDER DEPTH 4343



TIME

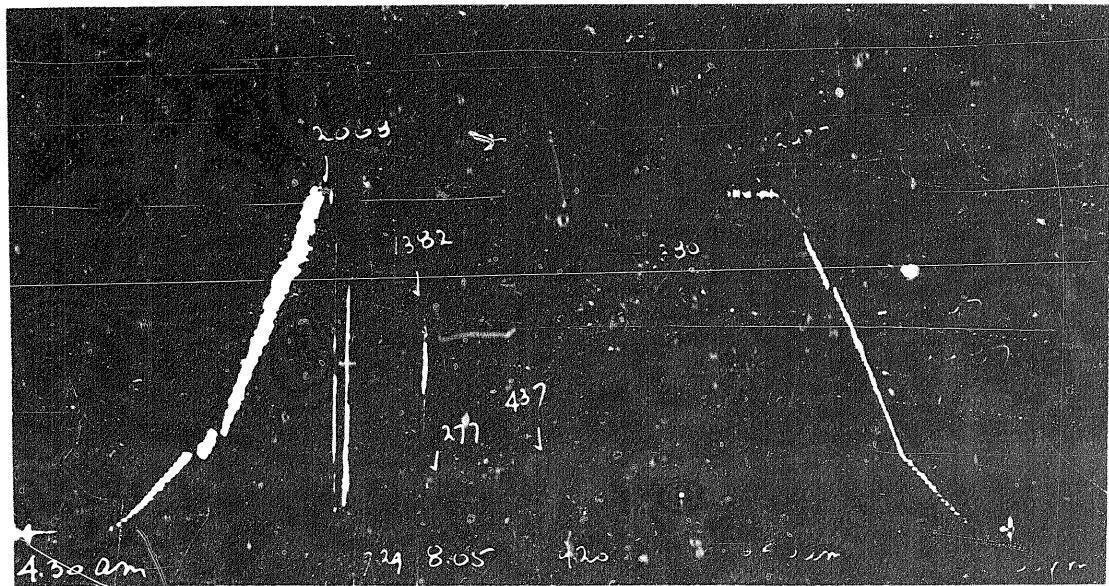
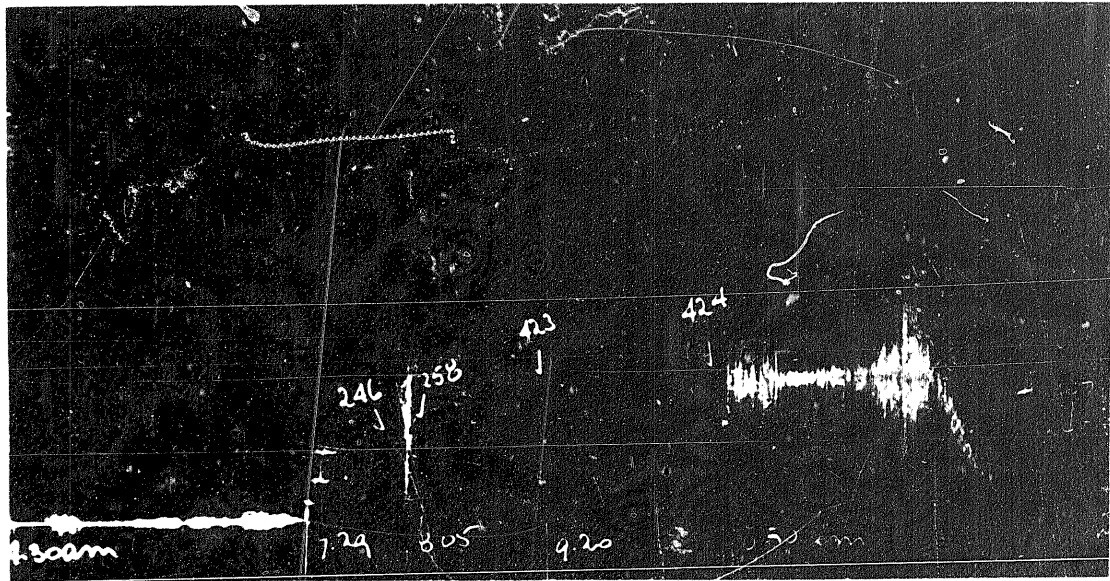
RECORDER No 12987 ELEMENT RANGE 3400 PSI CHART SPEED 12 HRS. RECORDER DEPTH 4389



TIME

T.G. EASTLAND

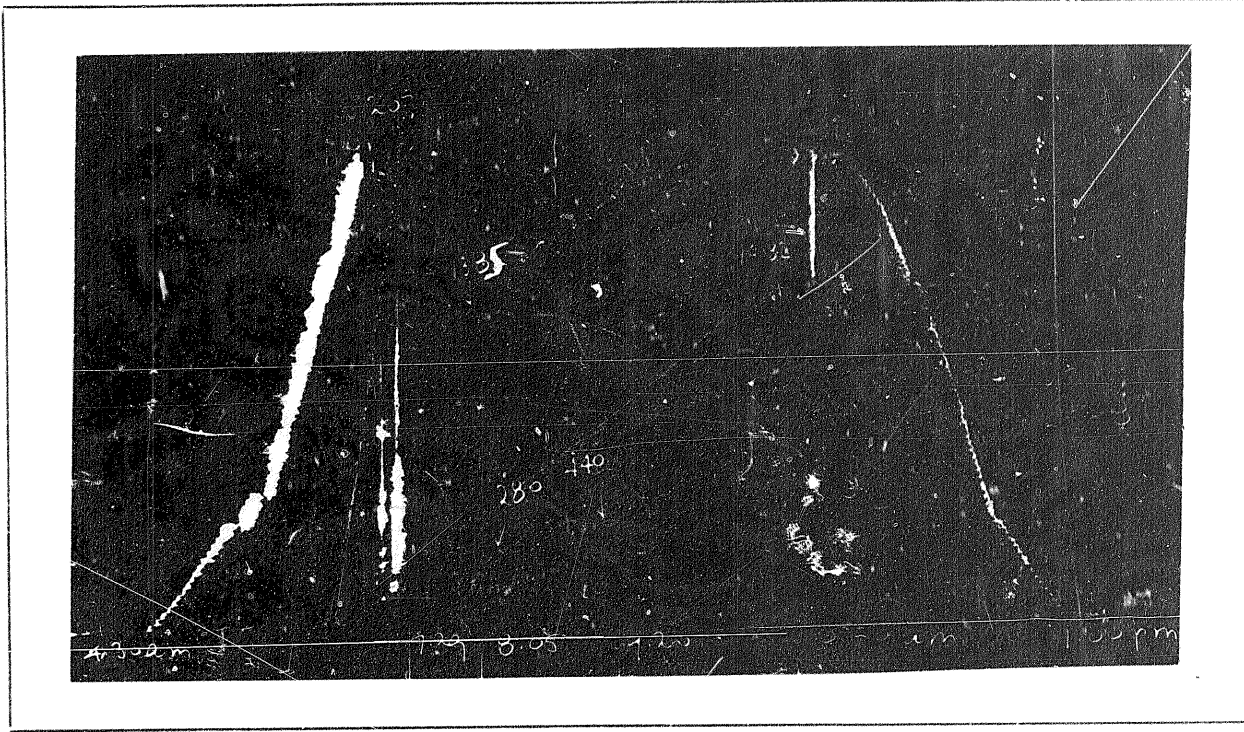
Los Angeles, Calif.



T.G. EASTLAND — testers ltd.

TEST No Two
Date Feb. 20, 1967
Ticket No. 107

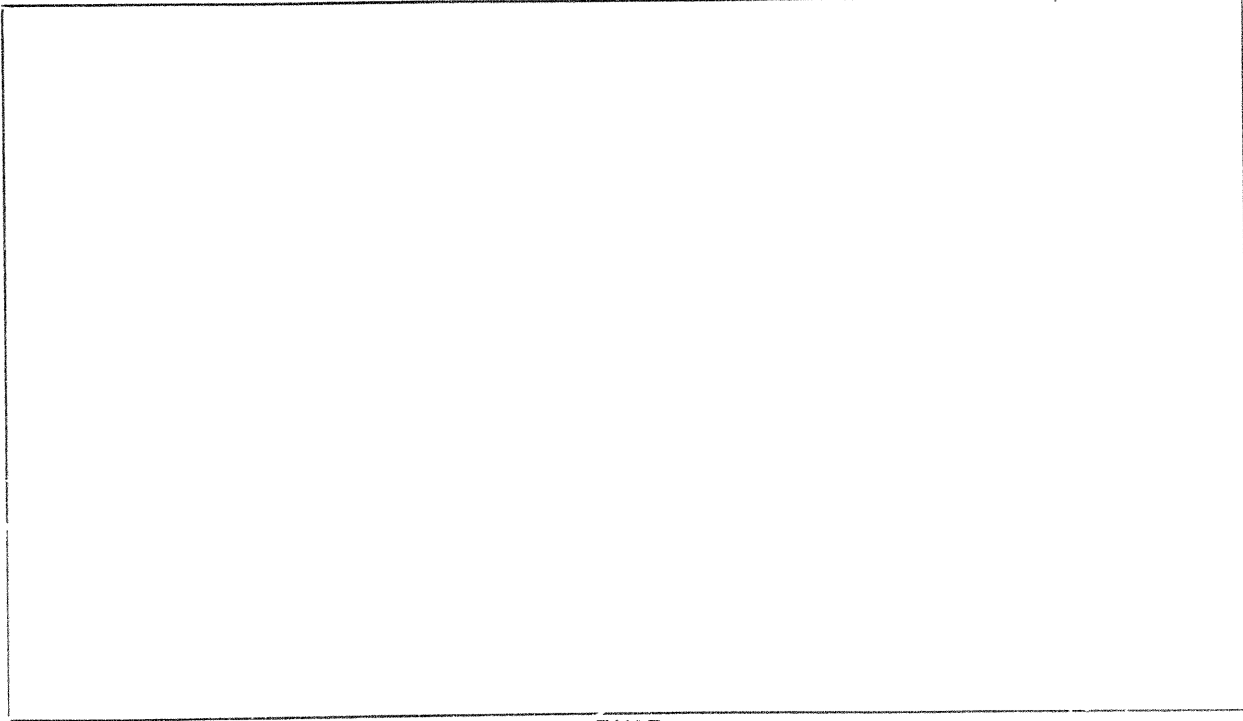
WELL NAME SHELL PEEL RIVER #7
RECORDER No. 12538 ELEMENT RANGE 2600 P.S.I. CHART SPEED 12 HRS. RECORDER DEPTH 4395



PRESSURE

TIME

RECORDER No. ELEMENT RANGE P.S.I. CHART SPEED HRS. RECORDER DEPTH



PRESSURE

TIME

T.G. EASTLAND — testers Ltd.

1957

100

25 CEMENT RANGE 4000 PS. 100 100 12 100

100



TIME

25 CEMENT RANGE 4000 PS. 100 100 12 100

TIME

T.G. EASTLAND—testers ltd.

R.R. No. 6, NORTH EDMONTON, ALBERTA

TEST No. Two
 Date Feb. 20, 1967
 Ticket No. 107

DRILL STEM TEST PRESSURE REPORT

WELL NAME Shell Peel River #7 LSD. Yukon YT K-9
 INTERVAL 4374 - 4459 FORMATION _____ B.H. TEMP. °F 116
 GAUGE No. 12987 DEPTH OF ELEMENT 4389 CALIBRATION EQUATION P_c _____

	Time	T Mins	Pressure psig	Time	T Mins	Pressure psig
Initial Hydrostatic			2068	9:56	36	1342
Initial Shut-in	7:29	0	260	9:59	39	1346
	7:32	3	1084	10:02	42	1350
	7:35	6	1221	10:05	45	1353
	7:38	9	1279	10:08	48	1357
	7:41	12	1311	10:11	51	1359
	7:44	15	1333	10:14	54	1362
	7:47	18	1345	10:17	57	1364
	7:50	21	1355	10:20	60	1367
	7:53	24	1362	10:23	63	1367
	7:56	27	1369	10:26	66	1370
	7:59	30	1374	10:29	69	1372
	8:02	33	1379	10:32	72	1374
	8:05	36	1382	10:35	75	1375
Flowing Pressure		F1	277	10:38	78	1377
		F2	437	10:41	81	1378
				10:44	84	1379
				10:47	87	1380
Final Shut-in	9:20	0	437	10:50	90	1380
	9:23	3	869			
	9:26	6	1167			
	9:29	9	1233			
	9:32	12	1265			
	9:35	15	1286			
	9:38	18	1299			
	9:41	21	1311			
9:44	24	1319				
9:47	27	1326				
9:50	30	1333				
9:53	33	1337				

CORE LABORATORIES-CANADA LTD.
EDMONTON ALBERTA

Page - 1 of 2
File - CNP-1-8624
Analysts - SM JP CH DL
Core - DIAMOND

Date Report - MARCH 16, 1967
Formation -
D. Fluid - WATER BASE MUD
Analysis - FULL DIAMETER

Company - SHELL CANADA LIMITED
Well - SHELL PEEL YT K-9
Field - PEEL RIVER, YUKON TERRITORY
Location - LSD 134 01' 02.22" WL

Note: All samples sandblasted prior to analysis.

SAMPLE NUMBER	DEPTH REPRESENTED FEET	FOOT. REPR.	PERMEABILITY TO AIR		PERM. FEET	POROSITY PERCENT	POROSITY FEET	DENSITY BULK GRAIN	VISUAL EXAMINATION	
			HORIZONTAL K MAX	VERTICAL K 90°						
CORED INTERVAL 4390.0' - 4397.0'										
CORE NO. 1 4390.0' - 4397.0' (REC. 6.7') (2 BOXES)										
1	4390.0-4391.0	1.0	0.55	0.53	<0.01	0.55	12.7	12.70	2.36	Fine Sand, Medium Sand
2	4391.0-4391.5	0.5	0.29	0.25	<0.01	0.15	11.3	5.65	2.42	Fine Sand, Medium Sand
3	4391.5-4392.3	0.8	**	0.80	2.58	0.64	11.0	8.80	2.39	Fine Sand, Medium Sand Vertical Fracture
4	4392.3-4392.8	0.5	1.26	1.14	2.16	0.63	11.1	5.55	2.41	Fine Sand, Medium Sand
5	4392.8-4393.1	0.3	0.96	0.91	0.07	0.29	12.6	3.78	2.42	Fine Sand, Medium Sand
6	4393.1-4393.8	0.7	0.59	0.34	<0.01	0.41	11.2	7.84	2.45	Fine Sand, Medium Sand
-	4393.8-4394.8	1.0	-	-	-	-	-	-	-	Shaly
-	4394.8-4396.7	1.9	-	-	-	-	-	-	-	Shaly, Silty
-	4396.7-4397.0	0.3	-	-	-	-	-	-	-	Lost Core.

** - Permeability greater than 30,000 md. K 90° used for summary purposes:

Core with Permeability 0.00 to less than 0.10 Md. - Nil

Core with Permeability 0.10 to 0.99 Millidarcys

Total footage of core with 0.10 to 0.99 millidarcys permeability ----- 3.31
Weighted average porosity of core with 0.10 to 0.99 millidarcys permeability ----- (38.77)
Per cent of analyzed core having 0.10 to 0.99 millidarcys permeability ----- 86.8%
Weighted average horizontal permeability of core with 0.10 to 0.99 millidarcys ----- (2.04)
0.62md.

Core with Permeability 1.0 to 9.9 Millidarcys

Total footage of core with 1.0 to 9.9 millidarcys permeability ----- 0.51
Weighted average porosity of core with 1.0 to 9.9 millidarcys permeability ----- (5.55)
Per cent of analyzed core having 1.0 to 9.9 millidarcys permeability ----- 13.2%
Weighted average horizontal permeability of core with 1.0 to 9.9 millidarcys ----- (0.63)
1.26md.

Core with Permeability 10 Millidarcys and Greater - Nil

Cored Interval ----- 4390.0' - 4397.0'
Total footage ----- 7.0'
Footage analyzed ----- 3.81
Footage not analyzed ----- 3.21
Weighted average porosity of core analyzed ----- (44.32)
Weighted average horizontal permeability of core analyzed ----- (2.67)
0.70md.

Note: Figures in parentheses indicate porosity feet and permeability feet.