WELL HISTORY REPORT

INEXCO HUSKY et al PORCUPINE YT G-31

KANDIK BASIN

YUKON TERRITORY

April 12, 1972

H.B. Tiffin, P. Geol.
K.N. Sobkowich, P. Eng.

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SECTION I

SUMMARY OF WELL DATA

(a) INEXCO HUSKY et al PORCUPINE YT G-31

(b) Permittee, Licencee or Lessee: Inexco Oil Co. and Husky Oil Ltd.

(c) Operator: Inexco Oil Company
10th Floor, Aquitaine Tower
Calgary 1, Alberta

(d) Location: Grid: 66-30-140-00
66° 20' 22" N, 140° 06' 13" W.
U.W.I. 300G316630140000
U.W.L. 66.33944N, 140.10361W

(e) Co-ordinates:

(f) Permit or Lease Number: 5995

(g) Drilling Contractor: Commonwealth Rig 31

(h) Drilling Authority: 559; November 15, 1971

(i) Classification: Wildcat

(j) K.B.: 3025' (estimated) Ground: 3010'

(k) Spudded: 6:00 a.m., December 31, 1971

(l) Completed Drilling: March 20, 1972

(m) Total Depth: 8720' (driller) 8719' (logger)

(n) Well Status: Dry & Abandoned

(o) Rig Released: March 24, 1972

(p) Hole Sizes: 17 1/2" 0 - 988
12 1/4" 988 - 4900
8 3/4" 4900 - 8720

(q) Casing: (a) Ran 31 Jts. 990.45', 13 3/8", K-55, 54.5# Casing.
Landed at 988.05' K.B. with 250 Sax Fondu and 650 Sax Oilwell cement.
Plug Down: 3:45 a.m. January 7 , 1972

(b) Ran 121 Jts., 9 5/8", 4909.70', 40 & 36#, K-55 & N-80 Casing.
Landed at 4900' K.B. with 800 sax + 8% gel and 350 Sax Neat Cement.
Plug Down: 6:52 p.m. February 28, 1972.

SECTION II

GEOLOGICAL SUMMARY

INEXCO HUSKY et al PORCUPINE YT G-31

Formation Tops

K.B. Elevation 3025' (est.)

Formation	Sample	E-Log	Datum
Devonian-Mississippian Shale	Surface	Surface	+3025
Middle Devonian Ogilvie	3210	3200	- 175
Lower Devonian Gossage	4095	4095	-1070
Ordivician-Cambrian	5740	5730	-2075
Pre-Cambrian Tindir	8270	8298	-5273
Total Depth: Driller		8720	-5695
Schlumberger		8719	-5694

Cored Intervals

Diamond Core No.	Interval	Formation	Recovery
1	5012-5042	Gossage	29 ft.
2	6793-6815	Ordivician Cambrian	15 ft.

CORE DESCRIPTIONS

INEXCO HUSKY et al PORCUPINE YT G-31

Diamond Core #1 - 5012-5042' Cut 30' - Rec. 29'

Penetration Rate (mins/ft.) 12, 9, 7, 8, 9, 9, 8, 9, 5, 6, 7, 7, 6, 6, 7, 6, 7, 8, 7, 7, 6, 6, 7, 7, 7, 5, 7, 7, 7, 7.

6.0'
(5012-18) Dolomite - medium grey, fine to medium crystalline, argillaceous, hard, siliceous dolomite, moderate amounts white coarse crystalline dolomite and calcite filled fractures, few stylolitic partings, abundant poorly preverved crinoid fragments and casts (occasional 2 holed ossicle).

23.0'
(5018-5041) Dolomite - dark grey to black, very fine to fine crystalline, argillaceous, hard, siliceous dolomite, abundant coarse fractures and coarse breccia filled with white,coarse crystalline dolomite and calcite, scattered black shale filled stylolitic partings, shale has sooty texture and stains fingers black, abundant poorly preserved crinoid fragments and casts (occasional 2 holed ossicle).

Diamond Core #2 - 6793-6815' Cut 22' - Rec. 15'

Penentration Rate (mins/ft.) 3, 5, 6, 6, 6, 7, 7, 8, 9, 13, 12, 14, 9, 17, 15, 18, 12, 20, 12, 11, 14, 18.

3.0'
(6793-96) Dolomite - medium grey, medium to coarse crystalline, reefoid dolomite, in part with pelletal texture, abundant large vugs with secondary white coarse crystalline infil, pink stain from alizarin red on inside of vug infil, scattered finely disseminated chalcopyrite and pyrite in vugs and fractures, porosity infil estimated at 80%, estimated residual porosity 4%, no visible stain or fluorescence.

3.0'
(6796-99) Dolomite - light greenish grey and buff, finely crystalline, very slightly argillaceous dolomite, moderate amounts white coarse crystalline filled fine vugs and fractures, traces pink alizarin red stain on vugs and fractures, no visible porosity.

4.0'
(6799-6803) Dolomite - coarsely brecciated, medium grey, medium to coarse crystalline, reefoid dolomite and white to pale grey, medium to coarse crystalline dolomite, abundant white coarse crystalline dolomite infil and fractures, traces pink alizarin red stain on fractures, traces of very fine vuggy porosity.

5.0'
(6803-6808) Dolomite - banded and brecciated medium grey, fine to medium crystalline, very slightly argillaceous dolomite, with thin argillaceous laminae; light grey, medium crystalline dolomite with poor fine vuggy porosity partially infilled with white coarse crystalline dolomite and medium grey coarse crystalline reefoid dolomite with abundant white coarse crystalline dolomite infil. Moderate amounts white dolomite filled fractures, light pink stain from alizarin red on fractures and vugs.

SAMPLE DESCRIPTIONS

INEXCO HUSKY et al PORCUPINE YT G-31

20 - 100	Shale - dark grey to black, micromicaceous, sub-fissile shale in part carbonaceous, trace fine disseminated pyrite.
100 - 250	Shale - shale as above, with scattered blocky siliceous interbeds.
250 - 290	Shale - dark grey to black, soft, micromicaceous shale.
290 - 310	Shale - dark grey to black, firm, sub-fissile, finely pyritic shale.
310 - 400	Shale - dark grey to black, micromicaceous, somewhat blocky, carbonaceous shale.
400 - 450	Shale - shale as above, with fractures filled with white chert and a buff, calcareous kaolinitic shale.
450 - 500	Shale - black, micaceous, blocky, slightly siliceous and slightly calcareous shale, minor amounts fine disseminated pyrite.
500 - 630	Shale - dark grey to black, sub-fissile, micromicaceous, slightly carbonaceous shale.
630 - 650	Shale - shale as above with few white chert filled fractures.
650 - 690	Shale and Chert - dark grey to black, blocky, slightly siliceous and slightly calcareous, micromicaceous shale with abundant white chert filled fractures, traces of slickensiding.
690 - 750	Shale - dark grey to black, sub-fissile, micromicaceous, firm shale, minor amounts fine disseminated pyrite, trace slickensiding.
750 - 780	Shale - shale as above, becoming more siliceous and pyritic.
780 - 980	Shale - dark grey to black, sub-fissile, micromicaceous shale, trace fine disseminated pyrite, scattered white chert filled veinlets.
980 - 1000	Shale - dark grey to black, micromicaceous, slightly siliceous somewhat blocky shale, in part highly pyritic and slightly calcareous.
1000 - 1010	Shale - dark grey to black, micromicaceous, shale, trace pyrite.

1010 - 1090	No samples, Started air and then foam drilling - no sample recovered at surface.
1090 - 1290	Shale - dark grey to black, sub-fissile, micromicaceous shale with minor amounts white chert veinlets and fine disseminated pyrite (pyritic chips slightly calcareous)
1290 - 1400	Shale - shale as above, becoming slightly siliceous.
1400 - 1410	Shale - black, in part dark grey, firm, somewhat blocky, pyritic shale, in part siliceous. Scattered white chert veinlets.
1410 - 1450	Shale - dark grey to black, slightly blocky, pyritic shale, in part siliceous, with white chert filled veinlets.
1450 - 1460	Sample missing.
1460 - 1510	Shale - dark grey to black, micromicaceous, fissile shale, occasional chert veinlets.
1510 - 1520	Shale - shale as above, in part siliceous with abundant white chert filled veinlets.
1520 - 1570	Shale - dark grey to black, slightly blocky, firm, micro-micaceous shale, trace pyrite and chert veinlets.
1570 - 1620	Shale - dark grey to black, blocky, micaceous shale, in part siliceous, pyritic and calcareous (white calcite crystals). Trace chert veinlets.
1620 - 1640	Shale - dark grey to black, blocky, micaceous pyritic shale, in part siliceous with abundant white chert veinlets, occasional calcite veinlets. Trace slickensiding.
1640 - 1680	Shale - dark grey to black, sub-fissile shale, minor amounts pyrite and chert veinlets.
1680 - 1750	Shale - shale as above, in part siliceous.
1750 - 1800	Shale - shale as above, becoming more pyritic (pyritic chips slightly calcareous). Trace slickensiding.
1800 - 1900	Shale - dark grey to black, blocky, slightly pyritic shale, in part siliceous and in part slightly carbonaceous. Trace chert veinlets and slickensiding.
1900 - 1930	Shale - shale as above, abundant white chert veinlets.
1930 - 2120	Shale - dark brownish grey, blocky, micaceous, slightly siliceous shale, in part slightly pyritic, trace chert veinlets and slickensiding.
2120 - 2150	Shale - dark grey to black, micromicaceous, blocky, slightly siliceous and pyritic shale.
2150 - 2160	Sample missing.

2160 - 2220	Shale - shale as above
2220 - 2250	Shale - dark grey to black, blocky, micromicaceous, slightly pyritic shale, few highly silicoues and calcareous interbeds. Trace white chert veinlets.
2250 - 2290	Shale - dark grey to black, micromicaceous, blocky shale, in part slightly pyritic and siliceous.
2290 - 2310	Shale - shale as above with thin black highly siliceous interbeds.
2310 - 2330	Samples missing - water heading - no samples recovered at surface.
2330 - 2341	Shale - shale as above.
2341 - 2362	No samples - twisted pin off button bit at 2341' - milling and fishing for 18 1/2 days.
2362 - 2377	Shale - dark grey to black, micromicaceous, blocky shale, in part pyritic and siliceous, moderate amounts white chert veinlets.
2377 - 2384	Milled with globe basket and clusterite shoe. Recovered pieces of 9" core. Shale - dark grey to black, micromicaceous, sub-fissile and blocky, in part siliceous and fine pyritic. Occasional fine blebs of pyrite and lenses finely disseminated pyrite.
2384 - 2520	Shale - dark grey to black, micromicaceous, sub-fissile and blocky shale, in part pyritic and siliceous.
2520 - 2600	Shale - shale as above, trace white chert veinlets.
2600 - 2650	Shale - shale as above. Minor amounts white chert veinlets, in part calcareous.
2650 - 2690	Shale - dark grey to black, micromicaceous, sub-fissile and blocky shale, in part pyritic and slightly siliceous.
2690 - 2700	Sample missing.
2700 - 2780	Shale - dark grey to black, micromicaceous, sub-fissile and slightly blocky shale, trace to minor amounts pyrite and thin siliceous interbeds.
2780 - 2840	Shale - dark grey to black, micromicaceous, sub-fissile and blocky shale, minor amounts thin siliceous pyritic and slightly calcareous interbeds.
2840 - 2850	Shale - dark grey to black, micromicaceous, sub-fissile and blocky shale, trace siliceous interbeds.

2850 - 2950	Shale - shale as above, minor amounts siliceous pyritic and slightly calcareous interbeds, trace white chert veinlets.
2950 - 2980	Shale - shale as above, moderate amounts siliceous, pyritic and slightly calcareous interbeds.
2980 - 3060	Shale - shale as above, minor amounts siliceous, pyritic and slightly calcareous interbeds. Trace white chert veinlets.
3060 - 3180	Shale - shale as above, minor amounts siliceous, pyritic and slightly calcareous interbeds.
3180 - 3210	Shale - dark grey to black, micromicaceous, sub-fissile and blocky shale, moderate amounts siliceous, pyritic and slightly calcareous interbeds. Minor amounts white chert veinlets.
	MIDDLE DEVONIAN OGILVIE 3200' (-175')
3210 - 3280	Shale - dark grey to black, sub-fissile and blocky, carbonaceou shale, moderate amounts siliceous interbeds and white chert veinlets. Trace pyrite.
3280 - 3320	Shale - dark grey to black, micromicaceous, sub-fissile and blocky shale, in part carbonaceous. Minor amounts siliceous interbeds and pyrite.
3320 - 3340	Shale and Chert - dark grey to black, micromicaceous, sub-fissile and blocky shale, in part siliceous. Moderate amounts white chert veinlets.
3340 - 3350	Shale and Chert - shale as above, minor amounts chert as as above.
3350 - 3360	Shale and Chert - shale as above, in part carbonaceous, minor amounts chert as above.
3360 - 3430	Shale - shale as above becoming more carbonaceous, in part siliceous, abundant white chert and calcite veinlets, trace pyrite and slickensiding.
3430 - 3560	Shale - dark brownish grey to black, blocky, siliceous, fine pyritic shale, minor amounts white chert and calcite veinlets.
3560 - 3600	Shale - shale as above, moderate amounts white chert and calcite veinlets.
3600 - 3650	Shale - shale as above and dark grey, slightly siliceous, platy carbonaceous shale (possible plant spores in bedding planes). Minor amounts white chert and calcite veinlets.
3650 - 3800	Shale - dark grey to black, hard, siliceous, blocky, finely pyritic shale, trace white chert and calcite veinlets.

3800 - 3910	Shale - dark brownish grey to black, hard, blocky, in part with conchoidal fracture, highly siliceous and cherty, fine pyritic shale, minor amounts white calcite veinlets.
3910 - 4000	Shale - shale as above, in part slightly calcareous, with minor amounts white calcite and chert veinlets.
4000 - 4050	Shale - shale as above, becoming in part with crystalline texture and calcareous, minor amounts white calcite veinlets.
4050 - 4090	Shale - dark grey, hard, siliceous, calcareous, blocky shale with crystalline texture and dark grey to black, hard, blocky, siliceous shale, minor amounts white calcite and chert veinlets.
	LOWER DEVONIAN GOSSAGE 4095' (-1070')
4090 - 4100	Shale and Dolomite - shale as above, and medium-dark grey and mottled white, fine to medium crystalline, hard, siliceous, argillaceous, dense dolomite, abundant white massive and coarse crystalline dolomite in blebs and veinlets.
4100 - 4170	Dolomite - medium to dark grey and mottled white dolomite as above. Trace white calcite veinlets.
4170 - 4220	Dolomite - dolomite as above, becoming very fine to finely crystalline. Trace white calcite veinlets.
4220 - 4250	Dolomite and Shale - dolomite as above, with minor amounts dark brownish grey to black, hard, siliceous, calcareous, blocky shale.
4250 - 4400	Dolomite - dolomite as above, trace white calcite veinlets.
4400 - 4600	Dolomite - dolomite as above, calcite veinlets more predominan bare trace possible orgainic structure (Crinoids). Calcite and dolomite crystals indicate some open fractures.
4600 - 4630	Dolomite - dolomite as above with minor amounts dark grey to black, highly argillaceous to shaley interbeds.
4630 - 4650	Dolomite and Shale - dolomite as above, with minor amounts dark grey to black, blocky, calcareous limy shale.
4650 - 4680	Dolomite and Shale - dolomite as above, with moderate amounts shale as above, moderate amounts white calcite blebs and veinlets; few scattered fossil fragments (Crinoids?).

4680 - 4720	Dolomite and Shale - dark grey to black and mottled white, very finely crystalline, hard, siliceous, argillaceous and shaley dolomite, minor amounts white calcite blebs and veinlets. Minor amounts dark grey to black, blocky, dolomitic shale.
4720 - 4800	Dolomite - dark grey and mottled white, very finely crystalline, hard, siliceous, argillaceous dolomite with scattered shaley interbeds, abundant white calcite and dolomite blebs and veinlets.
4800 - 4820	Dolomite and Shale - dolomite as above, with moderate amounts dark grey to black, blocky, calcareous limy shale.
4820 - 4840	Dolomite - dolomite as above.
4840 - 4850	Dolomite and Limestone - dolomite as above with moderate amounts dark brownish grey, cryptocrystalline, blocky, argillaceous, highly shaley limestone, occasional Crinoid fragments.
4850 - 4880	Limestone - limestone as above, scattered Crinoids and graptolite spicules.
4880 - 4890	Limestone and Dolomite - dark brownish grey, cryptocrystalline argillaceous, dense, limestone, fossil fragments (Brachiopods & Crinoids), moderate amounts dark brownish grey, finely crystalline, argillaceous, siliceous dolomite with abundant white dolomite blebs and veinlets.
4890 - 4900	Dolomite - dolomite as above.
4900 - 4960	Dolomite - medium to dark grey, very fine to finely crystallir hard, siliceous, argillaceous dolomite, abundant white crystalline dolomite and calcite blebs and veinlets, in part brecciated.
4960 - 5012	Dolomite - dark grey to black, fine to medium crystalline, dolomite as above.
	Diamond Core #1 5012-5042' Cut 30' - Rec. 29'
5042 - 5080	Dolomite - dark grey to black, fine to medium crystalline, hard, siliceous, argillaceous dolomite, abundant white coarse crystalline dolomite and calcite blebs and veinlets, in part brecciated, occasional clear dolomite rhomb crystals indicating open fractures.
5080 - 5170	Dolomite - medium to dark grey, coarse crystalline, hard, siliceous, argillaceous dolomite, abundant white coarse crystalline dolomite and calcite blebs and veinlets, rare fine vugs, no stain.

5170 - 5210	Dolomite - dark grey to black, fine crystalline dolomite as above.
5210 - 5260	Dolomite - medium to dark grey, coarse crystalline, argillaceous, siliceous dolomite, abundant white coarse crystalline dolomite and calcite blebs and veinlets, rare fine vugs and open fractures.
5260 - 5350	Dolomite - medium to dark grey, medium crystalline, argillaceous, hard, siliceous, dolomite, abundant white coarse crystalline dolomite and calcite blebs and veinlets. Minor amounts white, medium crystalline dolomite with trace intercrystalline porosity, pyrobitumin staining. Scattered black bitumin shaley interbeds. In part brecciated.
5350 - 5460	Dolomite - dark grey to black, fine to medium crystalline, argillaceous, hard, siliceous dolomite, in part brecciated, abundant white coarse crystalline dolomite and calcite blebs and veinlets, rough drilling indicates open fractures - hole making more water.
5460 - 5490	Dolomite - fine crystalline dolomite as above, traces of intercrystalline gilsonite.
5490 - 5500	Dolomite - medium to dark grey, fine crystalline, hard, siliceous, argillaceous dolomite, abundant white coarse crystalline dolomite and calcite blebs and veinlets, in part brecciated. Trace open fractures.
5500 - 5570	Dolomite - dolomite as above, becoming dark grey to black and more argillaceous and very fine to finely crystalline.
5570 - 5590	Dolomite - dolomite as above with scattered shaley interbeds, minor amounts white coarse crystalline dolomite veinlets.
5590 - 5620	Dolomite and Shale - dark grey, very fine to finely crystalline, hard, siliceous, argillaceous, shaley dolomite and moderate amounts dark grey to black, blocky, dolomitic shale, in part finely pyritic, minor white dolomite veinlets.
5620 - 5650	Dolomite and Shale - dolomite and shale as above, with moderate amounts light grey, very finely crystalline, hard, argillaceous dolomite with shaley interbeds, in part finely pyritic.
5650 - 5670	Dolomite, Shale and Sandstone - light to medium grey, cryptocrystalline, hard, argillaceous shaley dolomite and light grey, dolomitic hard shale, in part sandy and pyritic. Minor amounts pale grey, fine to medium grained, subangular, medium sorted, dolomitic, quartzitic and pyritic sandstone.

5670 - 5680	Dolomite, Mudstone & Sandstone - light to medium grey dolomite as above, moderate amounts light buff, sandy, pyritic, slightly dolomitic mudstone, moderate amounts sandstone as above.
5680 - 5700	Dolomite, Mudstone, Sandstone and Limestone - pale buff, cryptocrystalline, slightly argillaceous dolomite, light buff to maroon mudstone as above, minor sandstone as above and minor pale buff to cream, cryptocrystalline, dense limestone.
5700 - 5720	Mudstone and Limestone - pale grey and buff to maroon, sandy, pyritic mudstone, in part siliceous and quartzitic, minor amounts pale buff to cream, cryptocrystalline, dense limestone, in part dolomitic.
5720 - 5740	Mudstone - pale grey, sandy, highly pyritic mudstone, in part siliceous and in part slightly dolomitic.
	ORDOVICIAN-CAMBRIAN 5730' (-2705')
5740 - 5780	Dolomite - white to payle grey, medium to coarsecrystalline, dolomite, white coarse crystals indicate possible vug infil, trace fine vuggy & intercrystalline porosity, no stain or show.
5780 - 5800	Dolomite and Mudstone - light medium grey dolomite as above, slightly argillaceous and in part sandy. Moderate amounts vari-colored light buff, maroon and in part green, sandy, siliceous, pyritic mudstone.
5800 - 5810	Mudstone & Limestone - mudstone as above and dark grey, finely crystalline, highly argillaceous, siliceous, slightly pyritic limestone.
5810 - 5850	Dolomite - white to pale grey, finely crystalline dolomite, with abundant coarse crystalline dolomite infil, infil in part calcite. Trace fine vuggy and inter-crystalline porosity, no show.
5850 - 5930	Dolomite - white to pale grey, coarse crystalline, dolomite, trace fine vuggy & intercrystalline porosity, abundant secondary infil, in part calcitic. Minor fine disseminated pyrite.
5930 - 5960	Dolomite - dolomite as above, in part medium grey, finely crystalline, argillaceous and pyritic.
5960 - 6040	Dolomite - white to pale grey, medium to coarsely crystalline dolomite as above, trace fine vuggy and inter-crystalline porosity, abundant secondary infil.

6040 - 6070	Dolomite - dolomite as above, in part medium grey, argillaceous and pyritic.
6070 - 6120	Dolomite - white to pale grey, medium to coarse cyrstalline dolomite, trace fine vuggy and intercrystalline porosity, no show, abundant secondary infil.
6120 - 6180	Dolomite - white to pale grey, fine to medium crystalline dolomite, moderate amounts coarse crystalline dolomite infil, trace fine vuggy and intercrystalline porosity, no show.
6180 - 6260	Dolomite - white to pale grey, medium to coarse crystalline dolomite, abundant coarse crystalline dolomite infil, trace fine vuggy and intercrystalline porosity, no show.
6260 - 6430	Dolomite - white to pale grey, fine to medium crystalline dolomite, minor amounts coarse crystalline dolomite infil, bare trace fine vuggy and intercrystalline porosity, no stain.
6430 - 6510	Dolomite - dolomite as above, in part light and medium grey.
6510 - 6630	Dolomite - white to medium grey, fine to medium crystalline dolomite, minor amounts coarse crystalline dolomite infil, bare trace fine vuggy and intercrystalline porosity, no show, medium grey dolomite has pelletal texture and slightly calcareous in part.
6630 - 6660	Dolomite - white to pale grey, fine to medium crystalline dolomite,in part with pelletal and orgainic texture, minor amounts coarse crystalline dolomite infil, calcareous in part, bare trace fine vuggy and intercrystalline porosity, no show.
6660 - 6690	Dolomite - light to medium grey, medium crystalline dolomite with pelletal texture and organic structure in part, no visible porosity.
6690 - 6760	Dolomite - white to light grey dolomite as above, bare trace intercrystalline porosity, no show, minor amounts coarse crystalline dolomite infil.
6760 - 6780	Dolomite - light to medium grey, medium-coarse crystalline dolomite, pelletal or granular texture, indications of organic structure, no visible porosity.
6780 - 6793	Dolomite - white to light grey dolomite as above, bare trace fine vuggy and intercrystalline porosity, no show.
	Diamond Core #2 6793-6815' Cut 22' Rec. 15'.
6815 - 6840	Dolomite - white to light grey, fine to medium crystalline dolomite, abundant white coarse crystalline dolomite infil, bare trace fine vuggy and intercrystalline porosity, no show.

6840 - 6880	Dolomite - light grey, medium crystalline dolomite, minor amounts white coarse crystalline dolomite infil, bare trace fine vuggy and intercrystalline porosity, no show, in part with pelletal and granular texture, trace fine disseminated pyrite.
6880 - 6900	Dolomite - white to medium grey, coarse crystalline dolomite, moderate amounts white coarse crystalline dolomite infil, trace porosity as above, trace fine disseminated pyrite.
6900 - 6920	Dolomite - white to pale grey, medium crystalline dolomite as above.
6920 - 6950	Dolomite - light to medium grey, medium and coarse crystalline dolomite, in part with granular and pelletal texture, minor amounts white coarse crystalline dolomite infil, bare trace porosity as above.
6950 - 6970	Dolomite - white to pale grey, fine to medium crystalline dolomite, no visible porosity.
6970 - 7000	Dolomite - light to medium grey, medium to coarse crystalline dolomite, in part with pelletal texture, minor amounts white coarse crystalline dolomite infil, bare trace fine vuggy and intercrystalline porosity.
7000 - 7070	Dolomite - white to pale grey, fine to medium crystalline dolomite as above.
7070 - 7180	Dolomite - light to medium grey, fine to medium crystalline, very slightly argillaceous dolomite, in part with pelletal texture, minor amounts white coarse crystalline dolomite infil, bare trace fine vuggy and intercrystalline porosity, no show.
7180 - 7220	Dolomite - light to medium grey, dolomite as above, trace white dolomite infil, no visible porosity.
7220 - 7250	Dolomite - pale grey, very fine to finely crystalline, dense dolomite with moderate amounts light to medium grey, fine to medium crystalline dolomite as above.
7250 - 7260	Dolomite - pale to medium grey, medium to coarse crystalline dolomite, in part with pelletal texture, no visible porosity.
7260 - 7280	Dolomite - pale to medium grey, very fine to finely crystallir dense dolomite, trace pyrite.
7280 - 7310	Dolomite - dolomite as above with minor amounts light to medium grey, medium crystalline dolomite, no visible porosity, moderate amounts white dolomite infil and veinlets.
7310 - 7340	Dolomite - medium grey, very fine to finely crystalline, very slightly argillaceous, dense dolomite, minor amounts pale grey and white dolomite blebs and veinlets.

7340 - 7360	Dolomite - very finely crystalline dolomite, as above.
7360 - 7380	Dolomite - medium grey and buff, cryptocrystalline dolomite as above.
7380 - 7390	Dolomite - medium to dark grey, very fine to finely crystalline dense, hard, siliceous dolomite, abundant white dolomite blebs and veinlets.
7390 - 7420	Dolomite - light buff, cryptocrystalline, dense dolomite, minor white dolomite veinlets, in part pyritic.
7420 - 7440	Dolomite - dolomite as above, in part medium grey, very fine to finely crystalline.
7440 - 7450	Dolomite - medium to dark grey, fine to medium crystalline dolomite, minor amounts white dolomite blebs and veinlets.
7450 - 7520	Dolomite - light buff, cryptocrystalline, dense, slightly siliceous dolomite, minor white dolomite veinlets, trace pyrite.
7520 - 7570	Dolomite - dolomite as above, in part dark grey, argillaceous and siliceous.
7570 - 7600	Dolomite - light buff, cryptocrystalline, dense, slightly siliceous dolomite, minor white dolomite veinlets, trace pyrite.
7600 - 7620	Dolomite - dolomite as above, in part medium grey and medium crystalline, bare trace fine vuggy and intercrystallin porosity, no show.
7620 - 7640	Dolomite - white to pale buff, very finely crystalline, dolomite, abundant white coarse crystalline dolomite infil and veinlets, bare trace fine vuggy and inter-crystalline porosity, no show, trace pyrite.
7640 - 7670	Dolomite - medium grey, in part mottled white and brecciated, fine to medium crystalline, very slightly argillaceous dolomite, abundant white coarse crystalline dolomite infil and veinlets, trace fine vuggy and inter-crystalline porosity, no show.
7670 - 7680	Dolomite - dolomite as above, in part cherty and pyritic.
7680 - 7740	Dolomite - pale buff and grey, very fine crystalline, very slightly argillaceous dolomite, in part medium grey, medium crystalline and brecciated, moderate amounts white dolomite veinlets, no visible porosity.
7740 - 7750	Dolomite - pale buff to medium grey, finely crystalline, very slightly argillaceous dolomite, in part brecciated with white dolomite veinlets.

7750 - 7800	Dolomite - medium grey, in part dark grey, finely crystalline, very slightly argillaceous, slightly siliceous dolomite, moderate amounts white dolomite veinlets, no visible porosity.
7800 - 7820	Dolomite - dolomite as above, becoming cryptocrystalline to very finely crystalline, in part medium crystalline with pelletal texture, rare dolomite rhombs indicating open fractures.
7820 - 7840	Dolomite - pale to light grey, cryptocrystalline, dense, hard, slightly siliceous dolomite, minor veinlets and fractures.
7840 - 7920	Dolomite - light to medium grey, very fine to finely crystalline hard, very slightly argillaceous, slightly siliceous dolomite, in part with pelletal texture, minor veinlets and fractures.
7920 - 7940	Dolomite - dolomite as above, moderate amounts light buff, very finely crystalline, dense, slightly siliceous dolomite, moderate amounts white dolomite veinlets and fractures,no visible porosity.
7940 - 8000	Dolomite - medium grey and light buff, very finely crystalline dolomite as above.
8000 - 8040	Dolomite - light buff, cryptocrystalline to very finely crystalline, dense, slightly siliceous dolomite, minor amounts white dolomite veinlets and fractures, no visible porosity.
8040 - 8070	Dolomite - light to medium grey, very fine to finely crystalline, dense, slightly siliceous, very slightly argillaceous dolomite, minor amounts white dolomite veinlets and fractures, no visible porosity.
8070 - 8090	Dolomite - dolomite as above, becoming cryptocrystalline to very finely crystalline.
8090 - 8120	Dolomite - dolomite as above, bare trace fracture porosity, no show.
8120 - 8140	Dolomite - dolomite as above, no visible porosity.
8140 - 8170	Dolomite - medium to dark grey, very finely crystalline, slightly argillaceous, siliceous dense dolomite, moderate amounts White dolomite filled veinlets and fractures.
8170 - 8180	Dolomite & Siltstone - dolomite as above, becoming more siliceous, minor amounts pale grey, dolomitic, quartzitic siltstone.
8180 - 8190	Dolomite - dolomite as above.

8190 - 8200	Dolomite and Shale - medium to dark grey, cryptocrystalline, highly argillaceous in part, dense, siliceous dolomite, minor amounts dark grey to black, dolomitic, hard, platy shale.
8200 - 8240	Dolomite - dolomite as above, becoming cryptocrystalline to very finely crystalline, minor white dolomite veinlets.
8240 - 8260	Dolomite - light to medium grey, cryptocrystalline, very slightly argillaceous, slightly siliceous dolomite, scattered dark grey shaley and cherty interbeds, moderate amounts white dolomite veinlets and fractures.
8260 - 8270	Dolomite - light grey, cryptocrystalline, very slightly argillaceous, slightly siliceous dolomite, minor amounts white dolomite veinlets and fractures.
8270 - 8280	Dolomite, Quartzite and Shale - dolomite as above, in part cherty; trace clear to pale grey, dolomitic and argillaceous in part, hard quartzite; trace olive green, dolomitic, hard, platy shale, in part sandy.
8280 - 8290	Dolomite, Quartzite and Shale - dolomite as above with minor amounts quartzite and shale as above.
8290 - 8300	Quartzite - clear, white to pale grey, slightly dolomitic, fine to medium grained quartzite, in part finely pyritic, slightly calcareous, reddish and greenish in color with shale staining.
	PRE-CAMBRIAN TINDIR 8298' (-5273')
8300 - 8315	Quartzite and Mudstone - quartzite as above with moderate amounts impregnated and bedded green and mustard yellow, hard mudstone.
8315 - 8350	Shale - dark grey to black, in part green and rusty red shale, in part hard and siliceous and in part calcareous, occasional whitish limy interbeds.
8350 - 8370	Shale - medium greenish grey, in part rusty red and dirty white, soft, slightly calcareous shale, minor amounts fine disseminated pyrite, trace white calcite veinlets.
8370 - 8460	Shale - shale as above, predominantly rust red, in part mottled white, red and green, trace white calcite veinlets.
8460 - 8480	Shale - rusty red shale as above, in part siliceous. Trace white calcite veinlets.
8480 - 8500	Shale - grey green, rusty red, in part whitish, slightly calcareous shale, in part siliceous. Trace-minor amounts white calcite veinlets.

8500 - 8550	Shale - grey green shale as above, in part rusty red, non-calcareous, minor amounts white calcite veinlets.
8550 - 8580	Shale - shale as above, predominantly rusty red, in part grey and green, trace-minor amounts white calcite veinlets.
8580 - 8720	Shale - shale as above, predominantly greenish grey, trace white calcite veinlets.

Total Depth	(driller)	8720'	(-5695')
	(Schlum.)	8719'	(-5694')

SECTION III

ENGINEERING SUMMARY

INEXCO HUSKY et al PORCUPINE YT G-31

(a) REPORT OF DRILL STEM TESTS

Three DST's were run during the drilling of Inexco Husky et al Porcupine YT G-31. These are summarized below:

DST #1 - 5380' - 6181' (Gossage formation)
T.O. - 50/32, S.I. - 32/60. Strong initial puff with strong air blow for 50 minutes. Weak air blow on second flow. Recovered 4250' fresh water.

DST #2 - 4893' - 5001' (Gossage formation)
T.O. - 5/30, S.I. - 30/60. Weak initial blow. Weak air blow on second flow decreasing to very poor in 30 minutes. Recovered 230' fresh water.

DST #3 - 6315' - 6815' (Ordovician - Cambrian)
T.O. - 5/60, S.I. - 30/60. Good initial puff. Strong air blow on preflow. Strong air blow on second flow decreasing after 30 minutes, dead in 45 minutes. Recovered 600' muddy water and 4330' fresh water.

Copies of the service companies' DST reports are included at the end of the report.

(b) CASING RECORD

Surface casing: Ran 31 jts (990.45')13 3/8", 54.5#, K-55, Smls 8 rd casing. Landed at 988' K.B. Cemented with 250 Sx fondu cement & 650 Sx oilwell cement. Plug down at 3:40 A.M., Jan. 7, 1972. Good returns to surface.

Intermediate casing: Ran 212 jts (4909.70') 9 5/8", 36#, K-55 and N-80, Smls 8 rd casing. Landed at 4900' K.B. Cemented with 800 Sx oilwell cement + 8% gel and 350 Sx oilwell cement. Plug down at 6:52 P.M., Feb. 28, 1972.

(c) BIT RECORD

See page 20.

BIT RECORD

INEXCO HUSKY et al PORCUPINE YT G-31

Bit No.	Type	Size	Jets	From	To	Footage	Hours	Cond.
1A	DSJ	12 1/4	1/24 2/12	0	653	653	39	67I
2A	DSJ	12 1/4	1/24 2/12	653	893	240	24 3/4	67I
3A	M4L	12 1/4	1/24	893	986	93	11	46I
4A	HO	17 1/2	3/11	0	812	812	20 3/4	
5A	HO	17 1/2	3/11	812	917	105	12 3/4	44I
6A	HO	17 1/2	3/11	917	988	71	6 1/2	24I
1	M4LG	12 1/4	2/18 1/15	988	1060	72	4 1/2	
2	M88	12 1/4	open	1060	1431	371	18 1/4	11I
2RR	M88	12 1/4	open	1431	1813	382	34 1/4	31I
3	H88	12 1/4	open	1831	2341	528	39 1/2	Twist Off
4	RX55R	12 1/4	open	2352	2366	14	1	Locked
5	DMNJ	12 1/4	open	2366	2374	8	3 3/4	Locked
6RR	M4L	12 1/4	open	2374	2528	154	11 1/4	62I
7	M4L	12 1/4	open	2528	2871	343	28 1/4	55I
8RR	X55R	12 1/4	open	2871	3185	314	18 1/4	42I
9	DMN	12 1/4	open	3185	3716	531	50 1/2	67O
10	DMN	12 1/4	open	ream to	3716	156	5 1/2	
				3716	3910	194	19	88O
11	M4L	12 1/4	open		ream	50	1 1/2	
				3910	3915	5	3/4	64O
12	C2G	12 1/4	open	3915	4251	336	33	26I
13RR	M88	12 1/4	open	4251	4505	254	32 1/2	43I
14	RX55R	12 1/4	open	4505	4900	395	48	22I
1	YS1G	8 3/4	open	4900	4905	5	1/2	
2	RX55R	8 3/4	open	4905	5012	107	8	
Core 1	Dia.	6 1/8		5012	5042	30	3 3/4	Good
3	SCM5	8 3/4	open	5012	5042	30	2 3/4	(ream)
				5042	5548	506	27 3/4	84O
4	SHG	8 3/4	open	5488	5548	142 (ream)	9 1/4	22I
5	SCM5	8 3/4	open	5548	6181	633	39	54O
6	X55R	8 3/4	open	6181	6793	612	40 3/4	32I
1RR	Dia.	6 1/8		6793	6815	22	4 3/4	Good
7RR	SHGJ	8 3/4	3/15	6793	6815	22	6 (ream)	
				6815	6822	7	1 1/2	22I
8R	X55R	8 3/4	3/15	6822	7281	459	32	Lost 2 cones
9	H7UGJ	8 3/4	3/15	7281	7303	22	2 3/4	53I
10R	7XJ	8 3/4	3/14	7303	7751	448	25 3/4	68I
11R	RG1XJ	8 3/4	3/14	7751	8228	477	30 1/4	77I
12	H88	8 3/4	3/14	8228	8720	492	42 1/2	35I

(d) MUD REPORT

ADDITIVES	AMOUNT
Gel	35,000 lbs.
Caustic	750 lbs.
Bicarb	400 lbs.
Kwik Seal	360 lbs.
Sawdust	25 Sx.
Diesel Fuel	25 bbls.
Soap	31 bbls.
Hagatreat	1,550 lbs.
Calgon	2,200 lbs.
X-pel G.	475 lbs.

(e) DEVIATION RECORD

See page 22.

(f) ABANDONMENT PLUGS

Plug #1 - 8720' - 8520' with 120 Sx neat oilwell cement. Plug down at 10:30 P.M., Mar. 23/72.

Plug #2 - 5200' - 4800' with 240 Sx oilwell cement plug 2% $CaCl_2$. Plug down at 12:00 midnight, Mar. 23/72. Felt Plug #2 at 4843'.

Plug #3 - 5 Sx cement used at surface. Welded on steel plate.

(g) LOST CIRCULATION ZONES

The Porcupine well was drilled from surface to 6080' using foam as the drilling fluid and any lost circulation zones in this interval were not detected. Intermediate casing was set at 4900'. From 6080' - T.D. water was used as the drilling fluid. After switching over to a water system, it was apparent that some portion of the hole was taking on fluid since water had to be continually added to the system to maintain the required mud volumes. However, since the fluid loss was not considered significant, the hole was drilled to T.D. by continual additions of water to the system. At T.D. and just prior to logging, 100% circulation was achieved by mixing 9000# gel, 150# caustic and 25 bags of sawdust.

(h) REPORT OF BLOWOUTS

None

DEVIATION RECORD

INEXCO HUSKY et al PORCUPINE YT G-31

Depth	Dev. - Degrees
170	1/2
268	3/4
328	1/8
387	1/4
400	1/2
560	1/2
660	1
697	1 1/4
758	1 1/2
824	1 1/4
821	1 1/4
851	1 3/4
883	1 3/4
920	1 1/2
988	1 3/4
1115	2
1168	2
1231	2
1326	2
1483	3
1514	3 1/8
1550	2 1/2
1610	4 1/2
1640	4
1702	4 1/2
1776	5
1806	5 1/2
1836	5 1/4
1870	4 3/4
1900	4 1/2
1930	4 1/2
1990	4 1/4
2050	4 1/8
2111	3 7/8
2210	4 1/8
2300	4
2423	4 1/2
2518	6
2550	5 1/4
2602	6
2642	5
2705	5 1/4
2765	5
2831	5 1/4
2892	5
2955	6 1/2
2985	7
3018	6 1/2
3050	8
3080	7 1/2
3112	8 1/2
3143	8 1/2
3175	9 1/2
3205	8 3/4
3268	8 1/2
3332	8 1/4
3395	8
3455	7 3/4
3520	7 1/2
3612	7 3/4
3645	7 3/4
3706	8
3733	7 1/4
3796	6 1/2
3856	6 3/4
3929	6 1/2
3960	6 1/4
4023	7 1/4
4055	7
4148	7
4241	7 1/4
4336	6 3/4
4430	6 1/4
4523	6
4615	6 1/2
4709	6
4804	5 3/4
4890	6 1/4
5000	5 1/2
5125	4 1/2
5535	4 1/2
6034	4
6568	3 1/2
6790	2 1/4
7260	2
7741	3 1/2
8228	8 1/2
8720	13 1/2

SECTION IV - LOGS

INEXCO HUSKY et al PORCUPINE YT G-31

Type	Date	Interval	Scale
Dual Induction Laterolog	Feb. 26/72	990-4882	2" & 5"
	Mar. 21/72	4900-8714	2" & 5"
BHC Sonic-Gamma Ray-Caliper	Feb. 26/72	990-4885	2" & 5"
	Mar. 21/72	4900-8719	2" & 5"
Formation Density Compensated Log	Feb. 26/72	990-4885	2" & 5"
	Mar. 22/72	4900-8716	2" & 5"
Sidewall Neutron Porosity Log	Feb. 26/72	990-4885	2" & 5"
	Mar. 22/72	4900-8718	2" & 5"
Four-Arm Dipmeter	Feb. 26/72	990-4885	
	Mar. 22/72	4900-8715	

SECTION V

ANALYSIS

INEXCO HUSKY et al PORCUPINE YT G-31

Included in this section of the report are copies of the following analysis:

(a) Core Analysis

Core #1 and Core #2

(b) Water Analysis

DST #1, #2, and #3.
Rig and camp water supply.

(c) Gas Analysis

None

(d) Oil Analysis

None

CANADA CORE ANALYSTS LTD.

CALGARY ALBERTA

DATA

COMPANY	INEXCO OIL COMPANY	FORMATION MIDDLE DEVONIAN	PAGE 1
WELL	INEXCO HUSKY ET AL PORCUPINE YT G-31	CORING FLUID WATER BASE	FILE CC1-72-118
LOCATION	NORTH LAT. 66° 20' 22.00" WEST LONG. 140° 06' 13.00"	CORING EQUIPMENT DIAMOND	DATE MAR. 15/72
FIELD	PORCUPINE R. AREA	ELEVATION 3025 G.L.	ANALYST WB, MG, DE
PROVINCE	YUKON	REMARKS FULL DIAMETER ANALYSIS	

SUMMARY

SUMMARY INTERVAL	5012.0' - 6793.0'
TOTAL FOOTAGE	1781.0
FOOTAGE ANALYZED	29.3
FOOTAGE NOT ANALYZED RUBBLE .0 DENSE .0 LOST .7 DRILLED 1751.0 NOT ANALYZED .0	1751.7

PERMEABILITY RANGE	FOOTAGE	WEIGHTED AVERAGE PERM. MD.	PERMEABILITY FEET	WEIGHTED AVERAGE POROSITY %	POROSITY FEET	WEIGHTED AVERAGE RESIDUAL SAT. % PORE OIL	WEIGHTED AVERAGE RESIDUAL SAT. % PORE TOTAL WATER
TOTAL ANALYZED	29.3	2.84	83.33	.88	25.81		
0. MD. AND GREATER	3.5	20.57	72.00	1.46	5.10		
.0 MD. TO 9.9 MD.	4.0	2.50	10.00	1.10	4.40		
.50 MD. TO 0.99 MD.	.0	.00	.00	.00	.00		
.01 MD. TO 0.49 MD.	21.8	.06	1.33	.75	16.31		
LESS THAN 0.01 MD.	.0	.00	.00	.00	.00		

% POROSITY & MD.

DATA

COMPANY INEXCO OIL COMPANY

PAGE 2

WELL INEXCO HUSKY ET AL PORCUPINE YT G-31

FILE CC1-72-118

SAMPLE NUMBER	INTERVAL REPRESENTED (FEET)			PERMEABILITY TO AIR (MILLIDARCYS)			PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		RESIDUAL SAT. PORE %		VISUAL EXAMINATION
	TOP	BASE	THICK	KMAX	K90°	KV				BULK	GRAIN	OIL	TOTAL WATER	
						CORED INTERVAL 5012.0' - 6815.0'								
			CORE #1	5012.0' - 5042.0'			REC. 29.3'					7 BOXES		
1	5012.0 - 5017.5		5.5	.02	.01	<.01	.11	.4	2.20	2.82	2.83			DOL, CAL, XLN, RC
2	5017.5 - 5018.5		1.0	17.00	*	*	17.00	2.6	2.60	2.76	2.84			DOL, CAL, XLN, SL/V, VF,
3	5018.5 - 5021.0		2.5	22.00	4.10	16.00	55.00	1.0	2.50	2.81	2.84			DOL, CAL, XLN, VF
4	5021.0 - 5025.5		4.5	.08	.04	.05	.36	.9	4.05	2.81	2.83			DOL, CAL, XLN, RC
5	5025.5 - 5029.5		4.0	.04	.02	<.01	.16	.7	2.80	2.81	2.83			DOL, CAL, XLN, OCCV, RC
6	5029.5 - 5033.5		4.0	2.50	2.10	.18	10.00	1.1	4.40	2.80	2.83			DOL, CAL, XLN, OCCV, HF
7	5033.5 - 5036.5		3.0	.04	.02	<.01	.12	.5	1.50	2.81	2.82			DOL, CAL, XLN, RC
8	5036.5 - 5041.3		4.8	.12	.10	<.01	.58	1.2	5.76	2.79	2.83			DOL, CAL, XLN, RC
LO	5041.3 - 5042.0		.7											LOST CORE
DR	5042.0 - 6793.0		1751.0											DRILLED

CANADA CORE ANALYSIS LTD.
CALGARY ALBERTA

OMPANY	INEXCO OIL COMPANY	FORMATION SILURIAN OR ORDOVICIAN	PAGE 3
'ELL	INEXCO HUSKY ET AL PORCUPINE YT G-31	CORING FLUID WATER BASE	FILE CC1-72-118
)CATION	NORTH LAT. 66° 20' 22.00" WEST LONG. 140° 06' 13.00"	CORING EQUIPMENT DIAMOND	DATE MAR. 15/72
ELD	PORCUPINE R. AREA	ELEVATION 3025 G.L.	ANALYST WB, MG, DH
ROVINCE	YUKON	REMARKS FULL DIAMETER ANALYSIS	

SUMMARY

UMMARY INTERVAL	6793.0 - 6815.0
OTAL FOOTAGE	22.0
OOTAGE ANALYZED	14.6
OOTAGE NOT ANALYZED RUBBLE .0 DENSE .0 LOST 7.4 DRILLED .0 NOT ANALYZED .0	7.4

PERMEABILITY RANGE	FOOTAGE	WEIGHTED AVERAGE PERM. MD.	PERMEABILITY FEET	WEIGHTED AVERAGE POROSITY %	POROSITY FEET	WEIGHTED AVERAGE RESIDUAL SAT. % PORE OIL	WEIGHTED AVERAGE RESIDUAL SAT. % PORE TOTAL WATER
OTAL ANALYZED	14.6	10.67	155.82	1.01	14.78		
0. MD. AND GREATER	1.9	73.47	139.60	3.43	6.52		
.0 MD. TO 9.9 MD.	4.8	3.20	15.36	.90	4.32		
.50 MD. TO 0.99 MD.	.0	.00	.00	.00	.00		
.01 MD. TO 0.49 MD.	4.7	.18	.86	.63	2.98		
ESS THAN 0.01 MD.	3.2	.00	.00	.30	.96		

% POROSITY & MD.

COMPANY INEXCO OIL COMPANY

PAGE 4

WELL INEXCO HUSKY ET AL PORCUPINE YT G-31

FILE CC1-72-118

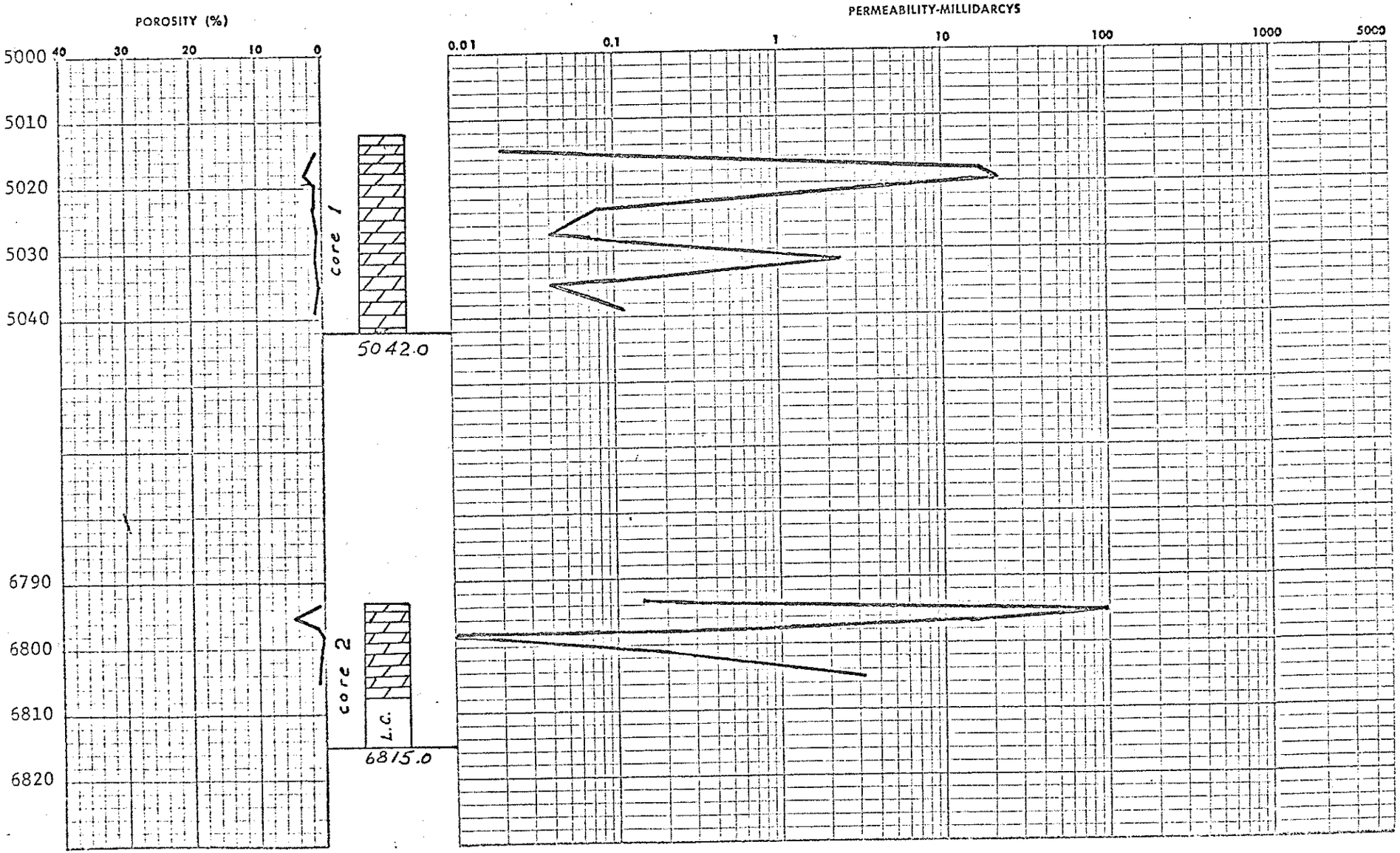
SAMPLE NUMBER	INTERVAL REPRESENTED (FEET)			PERMEABILITY TO AIR (MILLIDARCYS)			PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		RESIDUAL SAT. PORE %		VISUAL EXAMINATION
	TOP	BASE	THICK	KMAX	K90°	KV				BULK	GRAIN	OIL	TOTAL WATER	
				CORE #2	6793.0' - 6815.0'					REC. 14.6'		3 BOXES		
9	6793.0	6794.6	1.6	.15	.10	.12	.24	.7	1.12	2.82	2.84			DOL, XLN, V, SL/CALC AT PARTS
10	6794.6	6796.0	1.4	94.00	1.10	23.00	131.60	4.3	6.02	2.72	2.84			DOL, XLN, HLY V, VUGS FILLED WITH DOL XLS
11	6796.0	6796.5	.5	16.00	.23	.05	8.00	1.0	.50	2.81	2.84			DOL, XLN, SL/V, PY, VF
12	6796.5	6799.7	3.2	<.01	<.01	<.01		.3	.96	2.84	2.85			DOL, XLN, HEALED VF + HF
13	6799.7	6802.8	3.1	.20	.18	.15	.62	.6	1.86	2.83	2.85			DOL, XLN, HEALED VF + HF
14	6802.8	6807.6	4.8	3.20	.53	<.01	15.36	.9	4.32	2.82	2.85			DOL, XLN, V AT PARTS, OCC PY
Lo	6807.6	6815.0	7.4											LOST CORE

CANADA CORE ANALYSTS LTD.
CALGARY, ALBERTA

FILE CC1-72-118

COMPANY INEXCO OIL COMPANY
WELL INEXCO HUSKY ET AL PORCUPINE YT G-31

DOLOMITE



CORE DESCRIPTION SYMBOLS

A	Anhydrite
Ang	Angular
AST	Appears Similar to
Bd	Bands
BlSh	Black Shale
Bn	Bentonite
Br	Brecciated
Bt	Buttoned
C	Coarse
Ca	Calcite
Carb	Carbonaceous
Cg	Conglomerate
Ch	Chert
Cm	Cement
Co	Coralline Fragments
CSS	Coarse Sandstone
De	Dense
Dol	Dolomite
F	Fine
Fe	Ironstone
Fg	Fragmental
foss	Fossiliferous
fSL	Fine Sand Lenses
fSS	Fine Sandstone
FD	Full Diameter
Gl	Glauconitic
HC	Horizontal Crack
HF	Horizontal Fracture
I	Intergranular
InB	Interbedded
Ka	Kaolinite
Lam	Laminations
Lst	Limestone
LV	Large Vugs
M	Medium
MSS	Medium Sandstone
mudst	Mudstone
O	Open
Occ	Occasional
ool	oolitic
PPV	Pin Point Vugs
PTSL	Paper-Thin Shale Laminations
Py	Pyrites
Pyb	Pyrobitumen
RC	Random Cracks
RF	Random Fractures
Rnd	Rounded
S	Stained
Sd	Sand
Sdy	Sandy
Sh	Shale
ShL	Shale Lenses
Shy	Shaly
Sil	Siltstone
Sl/	Slightly
SL	Sand Lenses
SP	Small Plug
St	Stylolite
Stk	Streaks
Subrnd	Subrounded
Subang	Subangular
SV	Small Vugs
TR	Trace
U	Unconsolidated
V	Vuggy
VC	Vertical Crack
VF	Vertical Fracture
V.F.	Very Fine
X	Crystals
Xln	Crystalline
*	Broken Core [$K_{90°}$ used for summary purpose]
**	Permeability > 30,000 md.
- .01	Permeability <.01 md.

CORE LABORATORIES — CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING

Company Inexco Oil Company — Page 1 of 5

Well Inexco Husky et al Porcupine YT G-31 — File 921-2239

Field Porcupine River Area, Yukon — Analyst RT

Location 66 20'22.00 N.L. 140 06'13.00 W.L. — Elevation: K.B. ____ Grd. 3025'

Formation ____ Depth 5300' - 6181'

Sampled from DST #1 by Johnston Testers

Sampling pressure ____ psig Sampling temp. ____ °F Ambient temp. ____ °F

Date sampled March 6/72 Date received March 13/72 Date analysed March 16/72

Container pressure ____ Mud ____ Water cushion ____

Recovery or flowrate: DST Recovery: 4250'. Liquid.
Tool Recovery: 700 cc's Water.

Analysis

Sample #1: *Benzene = Less than 0.5 ppm by volume
*Toluene = Less than 0.5 ppm by volume

Sample #2: *Benzene = Less than 0.5 ppm by volume
*Toluene = Less than 0.5 ppm by volume

Sample #3: *Benzene = Less than 0.5 ppm by volume
*Toluene = Less than 0.5 ppm by volume

* Masked by other hydrocarbons.

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File 921-2239 Page 2 of 5

Company Inexco Oil Company

Well Inexco Husky et al Porcupine YT G-31 K.B. ____ Grd. 3025'

Location 66 20'22.00 N.L. 140 06'13.00 W.L. Field Porcupine River Area Province Yukon

Formation ____ Interval 5300' - 6181'

Sampled from DST #1 (MFE Tool 550) by Johnston Testers

Date sampled March 6/72 Date analysed March 16/72 Analyst LK

Recovery DST Recovery: 4250' Liquid. Tool Recovery: 700 cc's Water.

Mud type ____ Water cushion ____

Resistivity 4.51 Ohm-meters @ 68 °F

Specific gravity 1.0024 @ 60°F

pH 9.05 H_2S Absent

Refractive Index 1.3334 @ 70°F

Total Solids:

Calculated 1,977 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
607	9	5	Pres.	Abs.	-	-	258	722	352	24	Nil

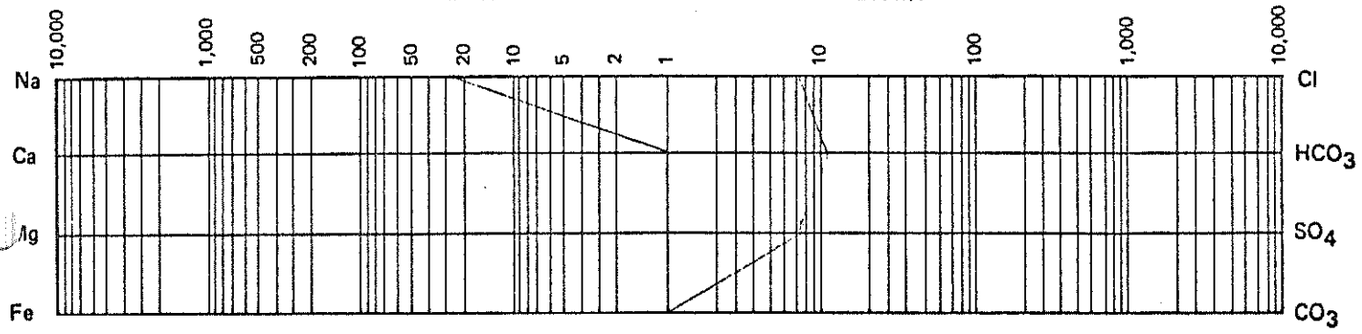
PER CENT CALCULATED SOLIDS

30.7	.5	.3	Pres.	Abs.	-	-	13.1	36.5	17.8	1.2	.0

MEQ PER LITER

26.4	.4	.4	Pres.	Abs.	-	-	7.3	11.8	7.3	.8	.0

LOGARITHMIC PATTERN MEQ PER LITER



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Company: Inexco Oil Company — Page: 3 of 5

Well: Inexco Husky et al Porcupine YT G-31 — File: 921-2239

Field: Porcupine River Area, Yukon — Analyst: RT

Location: 66 20'22.00 N.L. 140 06'13.00 W.L. — Elevation: K.B. ____ Grd. 3025'

Formation: ____ — Depth: 4893' - 5001'

Sampled from: DST #2 — by: Johnston Testers

Sampling pressure: ____ psig — Sampling temp.: ____ °F — Ambient temp.: ____ °F

Date sampled: ____ — Date received: March 13/72 — Date analysed: March 16/72

Container pressure: ____ — Mud: ____ — Water cushion: ____

Recovery or flowrate: DST Recovery: 230' Liquid. Tool Recovery: 2600 mls Water.

Analysis

Sample #1: *Benzene = Less than 0.5 ppm by volume
*Toluene = Less than 0.5 ppm by volume

Sample #2: *Benzene = Less than 0.5 ppm by volume
*Toluene = Less than 0.5 ppm by volume

Sample #3: *Benzene = Less than 0.5 ppm by volume
*Toluene = Less than 0.5 ppm by volume

*Masked by other hydrocarbons.

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File 921-2239 Page 4 of 5

Company Inexco Oil Company

Well Inexco Husky et al Porcupine YT G-31 K.B. ____ Grd. 3025'

Location 66 20'22.00 N.L. 140 06'13.00 W.L. Field Porcupine River Area Province Yukon

Formation ____ Interval 4893' - 5001'

Sampled from DST #2 (MFE Chamber 527) by Johnston Testers

Date sampled ____ Date analysed March 16/72 Analyst LK

Recovery DST Recovery: 230' Liquid. Tool Recovery: 2600 mls Water.

____ Mud type ____ Water cushion ____

Resistivity 5.16 Ohm-meters @ 66 °F

Specific gravity 1.0018 @ 60°F

pH 8.7 H_2S Absent

Refractive Index 1.3327 @ 70°F

Total Solids:

Calculated 1,618 mg/liter

By evaporation @ 110°C – mg/liter

By evaporation @ 180°C – mg/liter

At ignition – mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
520	8	3	Trace	Abs.	-	-	287	366	424	10	Nil

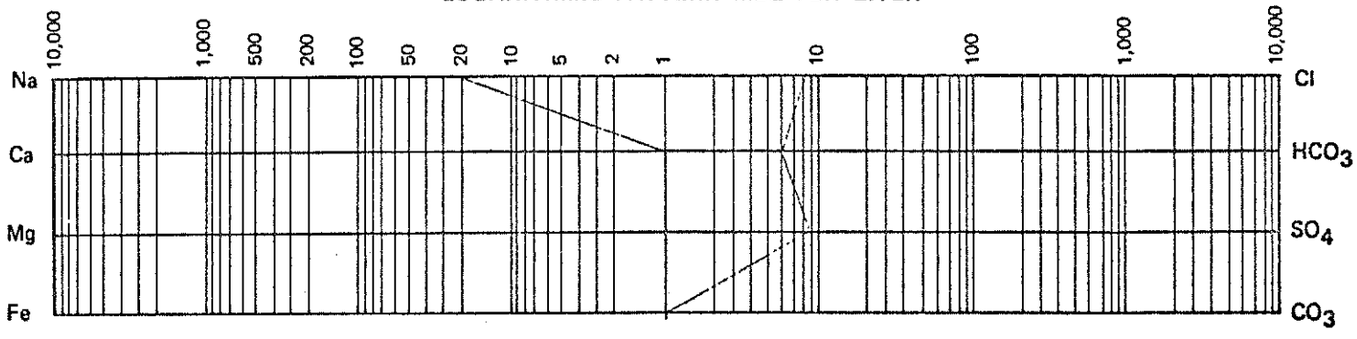
PER CENT CALCULATED SOLIDS

32.1	.5	.2	Trace	Abs.	-	-	17.7	22.6	26.2	.6	.0

MEQ PER LITER

22.6	.4	.2	Trace	Abs.	-	-	8.1	6.0	8.8	.3	.0

LOGARITHMIC PATTERN MEQ PER LITER



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CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File 921-2239 Page 5 of 5

Company Inexco Oil Company

Well Inexco Husky et al Porcupine YT G-31 K.B. ____ Grd. 3025'

Location 66 20'22.00 N.L. 140 06'13.00 W.L. Field Porcupine River Area Province Yukon

Formation ____ Interval 5300 - Bluesky Fm

Sampled from Drilling Fluid Sample by Johnston Testers

Date sampled March 7/72 Date analysed March 16/72 Analyst LK

Recovery ____

____ Mud type ____ Water cushion ____

Resistivity 1.99 Ohm-meters @ 66 °F

Specific gravity 1.0033 @ 60°F

pH 7.5 H_2S Absent

Refractive Index 1.3338 @ 70°F

Total Solids:

Calculated 3,639 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
1024	201	68	Trace	Abs.	-	-	1693	273	380	Nil	Nil

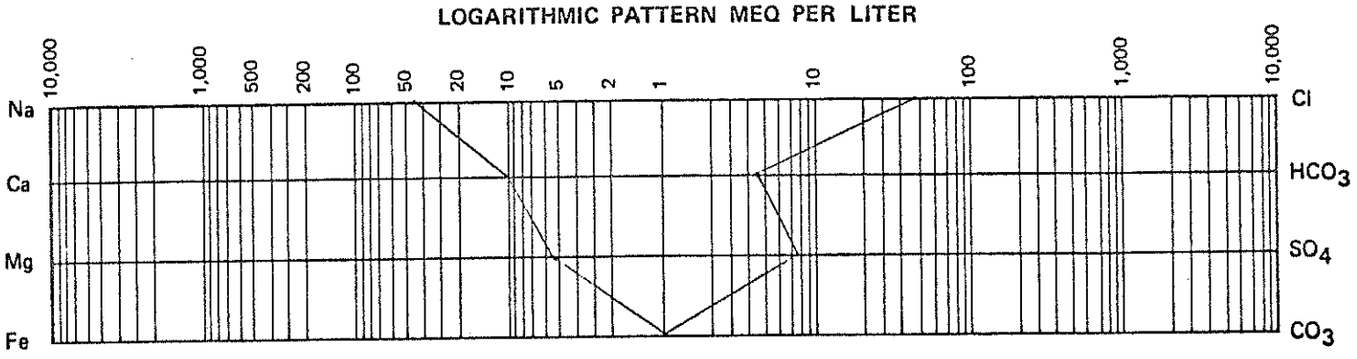
PER CENT CALCULATED SOLIDS

28.1	5.5	1.9	Trace	Abs.	-	-	46.5	7.5	10.4	.0	.0

MEQ PER LITER

44.5	10.0	5.6	Trace	Abs.	-	-	47.7	4.5	7.9	.0	.0

LOGARITHMIC PATTERN MEQ PER LITER



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CORE LABORATORIES – CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING

Company Inexco Oil Company — Page 1 of 5

Well Inexco Husky et al Porcupine YT G-31 — File 921-2317

Field Porcupine River Area, Yukon — Analyst RT

Location 66 20'22.00 N.L. 140 06'13.00 W.L. — Elevation: K.B. 3039' Grd. 3025'

Formation Silurian Ordovician — Depth 6315' - 6815'

Sampled from DST #3 — by Johnston Testers

Sampling pressure _____ psig — Sampling temp. _____ °F — Ambient temp. _____ °F

Date sampled March 23/72 — Date received March 28/72 — Date analysed March 30/72

Container pressure _____ — Mud _____ — Water cushion _____

Recovery or flowrate: 4930' Liquid.

Benzene and Toluene Determinations

Sampled From	Description	Benzene (Volume %)	Toluene (Volume %)
Sample Chamber	Clear Water	Trace (<0.05 ppm)	Trace (<0.05 ppm)
700' from Top	Grayish Brown Mud	Trace (<0.05 ppm)	Trace (<0.05 ppm)

Remarks: Traces of other hydrocarbons present. The can containing the sample chamber sample had apparently been opened prior to receipt in the lab. Some benzene and toluene may have been lost.

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

Company Inexco Oil Company

Well Inexco Husky et al Porcupine YT G-31 K.B. 3039' Grd. 3025'

Location 66 20'22.00 N.L. 140 06'13.00 W.L. Field Porcupine River Area Province Yukon

Formation Silurian Ordovician Interval 6315' - 6815'

Sampled from DST #3 (Sample Chamber) by Johnston Testers

Date sampled March 23/72 Date analysed March 30/72 Analyst LK

Recovery 4930' Liquid.

Mud type Water cushion

Resistivity 5.79 Ohm-meters @ 72 °F

Specific gravity 1.0010 @ 60°F

pH 7.5 H_2S Absent

Refractive Index 1.3325 @ 74°F

Total Solids:

Calculated 1,202 mg/liter

By evaporation @ 110°C - mg/liter

By evaporation @ 180°C - mg/liter

At ignition - mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
262	74	37	Trace	Abs.	-	-	191	132	506	Nil	Nil

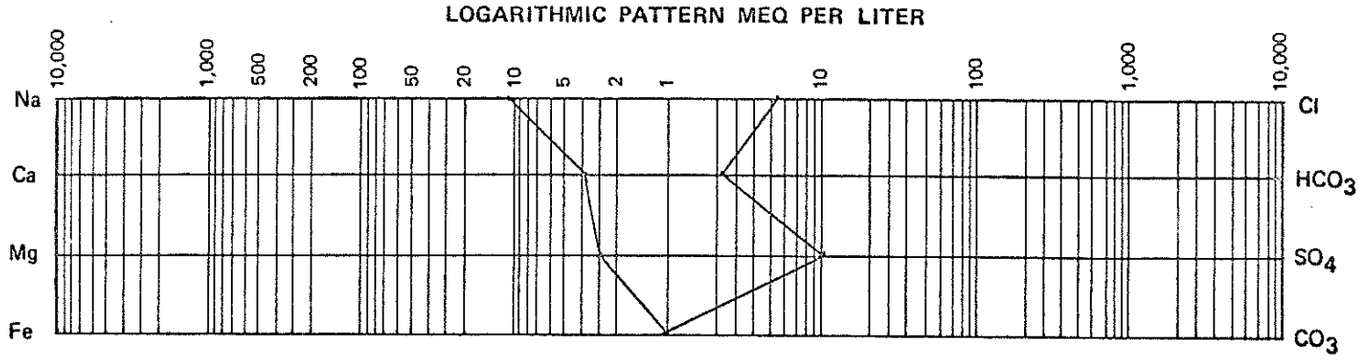
PER CENT CALCULATED SOLIDS

21.8	6.2	3.1	Trace	Abs.	-	-	15.9	11.0	42.1	.0	.0

MEQ PER LITER

11.4	3.7	3.0	Trace	Abs.	-	-	5.4	2.2	10.5	.0	.0

LOGARITHMIC PATTERN MEQ PER LITER



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Company: Inexco Oil Company — Page: 3 of 5

Well: Inexco Husky et al Porcupine YT G-31 — File: 921-2317

Field: Porcupine River Area, Yukon — Analyst: LK

Location: 66 20'22.00 N.L. 140 06'13.00 W.L. — Elevation: K.B. 3039' Grd. 3025'

Formation: Silurian Ordovician — Depth: 6315' - 6815'

Sampled from: DST #3 (700' From Top) — by: Johnston Testers

Sampling pressure: _____ psig — Sampling temp.: _____ °F — Ambient temp.: _____ °F

Date sampled: March 23/72 — Date received: March 28/72 — Date analysed: March 30/72

Container pressure: _____ — Mud: _____ — Water cushion: _____

Recovery or flowrate: 4930' Liquid.

Mud Filtrate Analysis

Resistivity	6.09 Ohm-meters @ 70°F
Chloride	15 mg/liter

CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

Company Inexco Oil Company

Well Inexco Husky et al Porcupine YT G-31 K.B. 3039' Grd. 3025'

Location 66 20'22.00 N.L. 140 06'13.00 W.L. Field Porcupine River Area Province Yukon

Formation _____ Interval _____

Sampled from Water Supply by Johnston Testers

Date sampled March 24/72 Date analysed March 30/72 Analyst LK

Recovery _____

_____ Mud type _____ Water cushion _____

Resistivity 10.93 Ohm-meters @ 70 °F

Specific gravity 1.0001 @ 60°F

pH 6.2 H_2S Absent

Refractive Index 1.3325 @ 73°F

Total Solids:

Calculated 710 mg/liter

By evaporation @ 110°C – mg/liter

By evaporation @ 180°C – mg/liter

At ignition – mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
25	158	21	Pres.	-	-	-	52	49	405	Nil	Nil

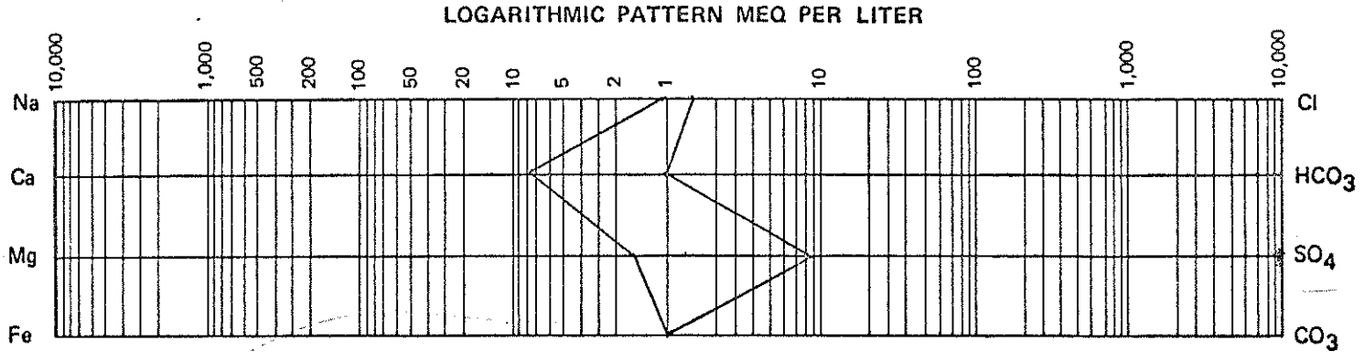
PER CENT CALCULATED SOLIDS

3.5	22.3	3.0	Pres.	-	-	-	7.3	6.9	57.0	.0	.0

MEQ PER LITER

1.1	7.9	1.7	Pres.	-	-	-	1.5	.8	8.4	.0	.0

LOGARITHMIC PATTERN MEQ PER LITER



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CORE LABORATORIES – CANADA LTD.

PETROLEUM RESERVOIR ENGINEERING

WATER ANALYSIS

File 921-2317 Page 5 of 5

Company Inexco Oil Company

Well Inexco Husky et al Porcupine YT G-31 K.B. 3039' Grd. 3025'

Location 66 20'22.00 N.L. 140 06'13.00 W.L. Field Porcupine River Area Province Yukon

Formation _____ Interval _____

Sampled from Water Supply by Johnston Testers

Date sampled March 24/72 Date analysed March 30/72 Analyst LK

Recovery _____

_____ Mud type _____ Water cushion _____

Resistivity 10.55 Ohm-meters @ 70 °F

Specific gravity 1.0001 @ 60°F

pH 6.2 H_2S Absent

Refractive Index 1.3325 @ 74°F

Total Solids:

Calculated 656 mg/liter

By evaporation @ 110°C – mg/liter

By evaporation @ 180°C – mg/liter

At ignition – mg/liter

MILLIGRAMS PER LITER

Na + K	Ca	Mg	Fe	Ba	Br	I	Cl	HCO_3	SO_4	CO_3	OH
9	155	19	Pres.	-	-	-	7	59	407	Nil	Nil

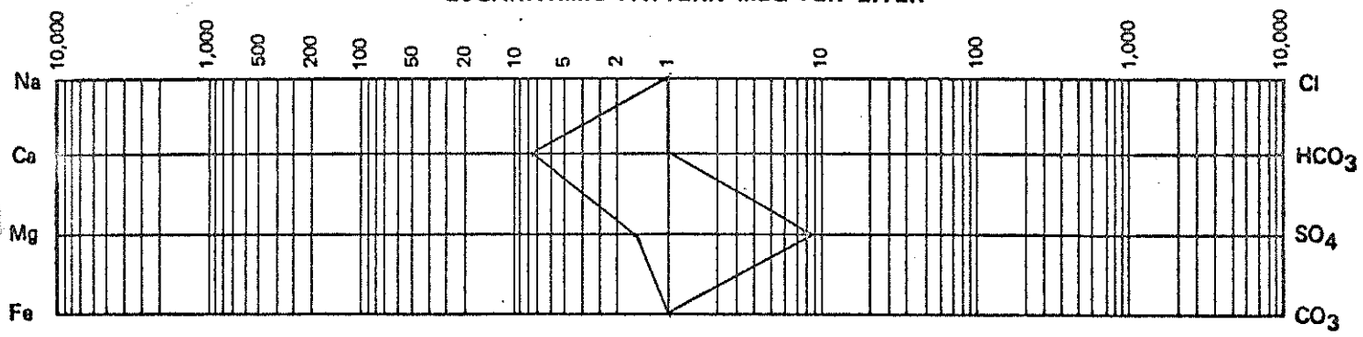
PER CENT CALCULATED SOLIDS

1.4	23.6	2.9	Pres.	-	-	-	1.1	9.0	62.0	.0	.0

MEQ PER LITER

.4	7.7	1.6	Pres.	-	-	-	.2	1.0	8.5	.0	.0

LOGARITHMIC PATTERN MEQ PER LITER



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JOHNSTON
Schlumberger

321 - 50TH AVENUE S.E. • CALGARY 24, ALBERTA • PH 255 1151
A DIVISION OF SCHLUMBERGER CANADA LIMITED

TEST DATA

Type of Test	Open Hole, Bottom Hole, Selective zone				
Time Started in Hole	2300	Hrs.	Tool Opened	0236	Hrs.
First Flow	50	Min.	Initial Shut-In	32	Min.
Second Flow	30	Min.	Second Shut In		Min.
Third Flow		Min.	Final Shut In	60	Min.
Pulled Loose @	0528	Hrs.	Out of Hole	0930	Hrs.
Wt. Set on Packers	38,000	#	Pulled Loose Wt.	10,000	#

Description of Blow During Test

Strong initial puff with strong air blow for 50 minutes. Air blow weak on second flow.

FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☒

Total Fluid Recovered 4250 Ft.

Description of Fluid Recovered

4250' fresh water.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Time	Sfce. Choke	Reading psi inches	M Cubic Feet/Day
	NIL		

REMARKS: Test satisfactory.
Had trouble getting tool shut-in for initial.

RESISTIVITY			SALT CONTENT	
Recovery Water	@	°F.	under 2,000	ppm.
Mud Pit sample filtrate	@	°F.	under 2,000	ppm.

TOOL SEQUENCE

Tool	Length	O.D.
Sub	.70	
MFE Tool	9.10	
Bypass Tool	3.00	
Safety Joint	1.75	
S.S. & Packer	9.30	7⅛"
T.C. & Packer	5.25	7⅛"
Total	29.10	
Stub	1.20	
Recorder	4.40	
Recorder	4.40	
Hook Wall	1.00	
TOTAL LENGTH	40.10	

Elevation G.L. 3011 K.B. 3025
Bottom Hole Choke Size. 1/2"
Fluid Cushion Type Nil Amt.

MUD AND HOLE DATA

Mud Type W.L.
Filter Cake Visc. 30 Wt. 8.4
Time Taken
Contractor Commonwealth Drlg. Rig No. 31
Drill Pipe Size 4½" FH
Drill Collar Size 2 7/8" ID &
Drill Collar Length 622.78' &
Main Hole Size 8 3/4" Rat Hole

District Edmonton Ticket No. D06302 Date March 6/72 Test No. (1) J.T. No. 1

Company Inexco Oil Company Address 1000 Aquitaine Tower, 540-5th Ave. S.W.

Well Name Inexco Husky et al Porcupine YT G-31 Calgary 1, Alberta

Number 66°20'22"N 140°06'13"W Field Porcupine River Province Yukon

Formation Thickness Co. Rep.

Interval 5300-6181 T.D. 6181 Technician Cliff Schafer

Distribution of Reports 8-Jim Nelson, Calgary

JT-1AE-5B

JOHNSTON TESTERS 321 - 40TH AVENUE S.E. • CALGARY 24, ALBERTA • PH. 255-1151

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D06302

PRESSURE DATA

INSTRUMENT No.		AK1-2107	AK1-2104		
CAPACITY (psig)		4600	4600		
INSTRUMENT DEPTH FT.		5305	5310		
INSTRUMENT OPENING		Outside	Outside		
PRESSURE GRADIENT psi/FT.					
WELL TEMP. °F. 96					
INITIAL HYDROSTATIC	A	2340#	2339#		
FIRST FLOW	B	621#	603#		
	B-1	1819#	1813#		
INITIAL SHUT-IN	C	1872#	1868#		
SECOND FLOW	D	1837#	1830#		
	D-1	1870#	1867#		
SECOND SHUT-IN	E				
THIRD FLOW	F				
	F-1				
FINAL SHUT-IN	G	1872#	1868#		
FINAL HYDROSTATIC	H	2322#	2322#		

FLUID SAMPLE REPORT

Sample No.

Type

Depth ft.

Volume

Sample Pressure: psig. at Surface

Gravity API @ °F

Gas/Oil Ratio Cu.Ft./bbl.

Recovery:

Cu. Ft. Gas

cc. Oil

cc. Water

cc. Mud

Total Liquid cc.

REMARKS:

PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$

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JOHNSTON TESTERS 321 - 50TH AVENUE S.E. • CALGARY 24, ALBERTA • PH. 255-1151
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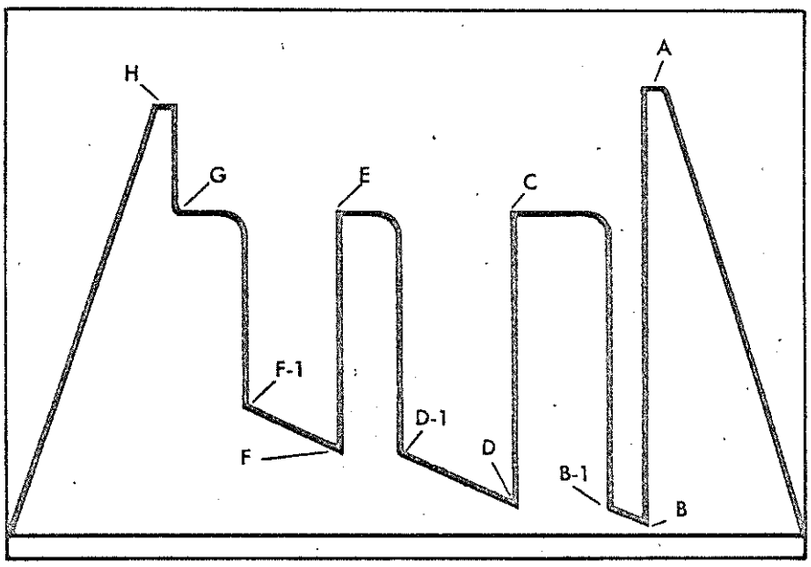
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

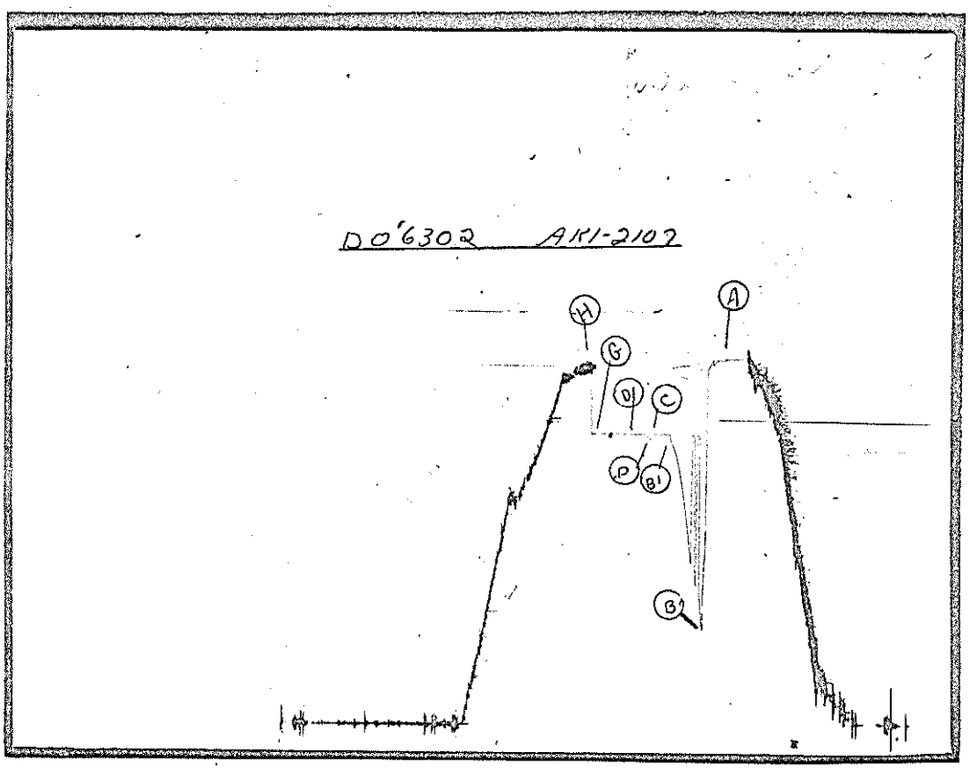
FIELD REPORT NO.	RECORDER NO.
D06302	AK1-2107



A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.



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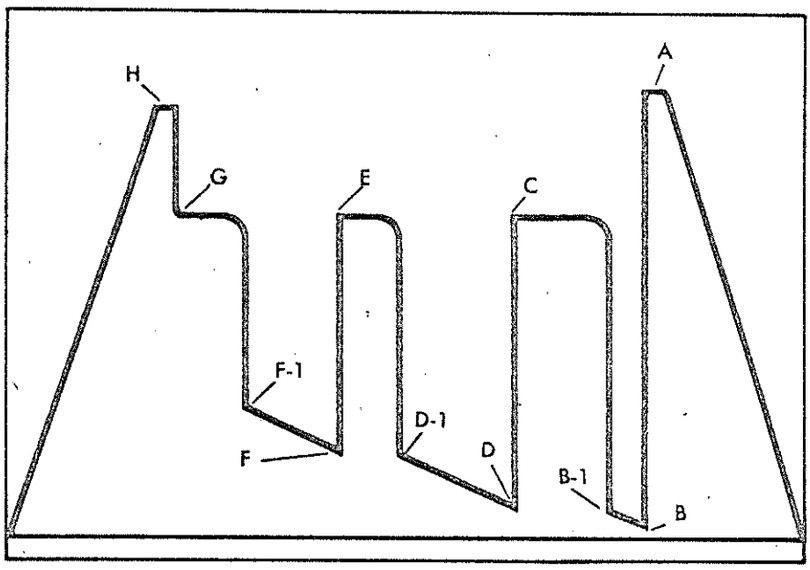
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

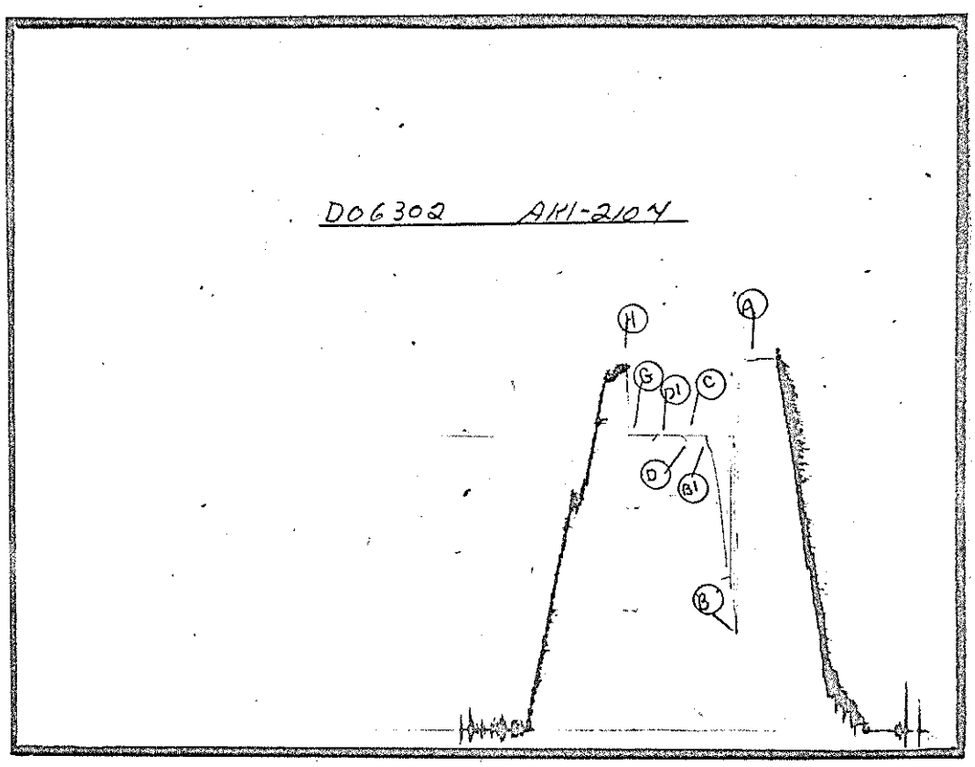
FIELD REPORT NO.	RECORDER NO.
D06302	AK1-2104



A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.



JT-IAE-4B

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TEST DATA

Type of Test	Open Hole, Straddle Bypass, Sel. zone				
Time Started in Hole	1145	Hrs.	Tool Opened	1442	Hrs.
First Flow	5	Min.	Initial Shut-In	30	Min.
Second Flow	30	Min.	Second Shut In		Min.
Third Flow		Min.	Final Shut In	60	Min.
Pulled Loose @	1653	Hrs.	Out of Hole	2000	Hrs.
Wt. Set/on Packers	30,000	#	Pulled Loose Wt.		#

Description of Blow During Test

Weak initial blow. Weak air blow on second flow, decreasing to very poor in 30 minutes.

FLUID RECOVERY Was Test Reverse Circulated Yes ☐ No ☒

Total Fluid Recovered 230 Ft.

Description of Fluid Recovered

230' fresh water.

GAS BLOW MEASUREMENT

Measured With I.D. Riser

Time	Sfce. Choke	Reading psi inches	M Cubic Feet/Day
			NIL.

REMARKS: Test satisfactory.
Fluid samples taken to Calgary by company rep.

RESISTIVITY			SALT CONTENT	
Recovery Water	@	°F.	under 2,000	ppm.
Mud Pit sample filtrate	@	°F.	under 2,000	ppm.

TOOL SEQUENCE

Tool	Length	O.D.
Sub	.70	
MFE Tool	9.10	
Bypass Tool	3.00	
H. Sub	.85	
Safety Joint	1.75	
S.S. & Packer	8.10	7¼"
Total	23.50	
Stub	1.20	
Perfs	5.00	
R. Sub	.75	
Recorder	4.40	
Recorder	4.40	
Sub	.80	
Drill Collar	87.31	
Sub	.85	
Travel Collar	3.50	
Total Interval	108.21	
Packer	2.80	7½"
T.C. & Packer	6.30	7½"
Recorder	5.95	
Hook Wall	1.00	
TOTAL LENGTH	171.26	

Elevation G.L. 3011 K.B. 3025

Bottom Hole Choke Size. 1/2"

Fluid Cushion Type Nil Amt.

MUD AND HOLE DATA

Mud Type W.L.

Filter Cake Visc. Wt.

Time Taken

Contractor Commonwealth Drlg. Rig No. 31

Drill Pipe Size 4½" FH

Drill Collar Size 2 7/8" ID &

Drill Collar Length 542.22' &

Main Hole Size 8 3/4" Rat Hole

District Edmonton Ticket No. D06303 Date March 7/72 Test No. (2) J.T. No. 2

Company Inexco Oil Company Address 1000 Aquitaine Tower, 540-5th Ave. S.W.

Well Name Inexco Husky et al Porcupine YT G-31 Calgary 1, Alberta

Number 66°20'22"N 140°06'13"W Field Porcupine River Province Yukon

Formation Thickness Co. Rep.

Interval 4893 - 5001 T.D. 6181 Technician Cliff Schafer

Distribution of Reports 8-Jim Nelson, Calgary

JT-18E-SB

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		D06303	PRESSURE DATA		
INSTRUMENT No.		AK1-2104	AK1-2107	AK1-2119	
CAPACITY (psig)		4600	4600	4550	
INSTRUMENT DEPTH FT.		4900	4905	5010	
INSTRUMENT OPENING		Outside	Outside	Outside	
PRESSURE GRADIENT psi/FT.					
WELL TEMP. °F.	93				
INITIAL HYDROSTATIC	A	2186#	2194#	2230#	
FIRST FLOW	B	19#	36#		
	B-1	50#	52#	A-1 2241#	
INITIAL SHUT-IN	C	1579#	1586#		
SECOND FLOW	D	45#	47#	Ran below	
	D-1	108#	111#	straddle	
SECOND SHUT-IN	E				
THIRD FLOW	F			A-2 2239#	
	F-1				
FINAL SHUT-IN	G	1491#	1498#		
FINAL HYDROSTATIC	H	2147#	2153#	2200#	

FLUID SAMPLE REPORT

Sample No.
Type
Depth ft.
Volume

Sample Pressure: psig. at Surface
Gravity API @ °F
Gas/Oil Ratio Cu.Ft./bbl.

Recovery:
Cu. Ft. Gas
cc. Oil
cc. Water
cc. Mud
Total Liquid cc.

REMARKS:

PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$

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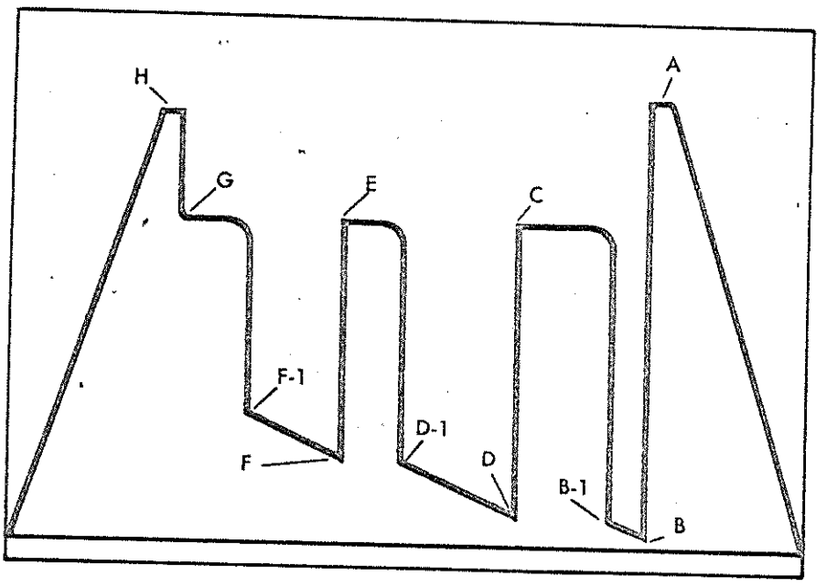
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD REPORT NO. D06303

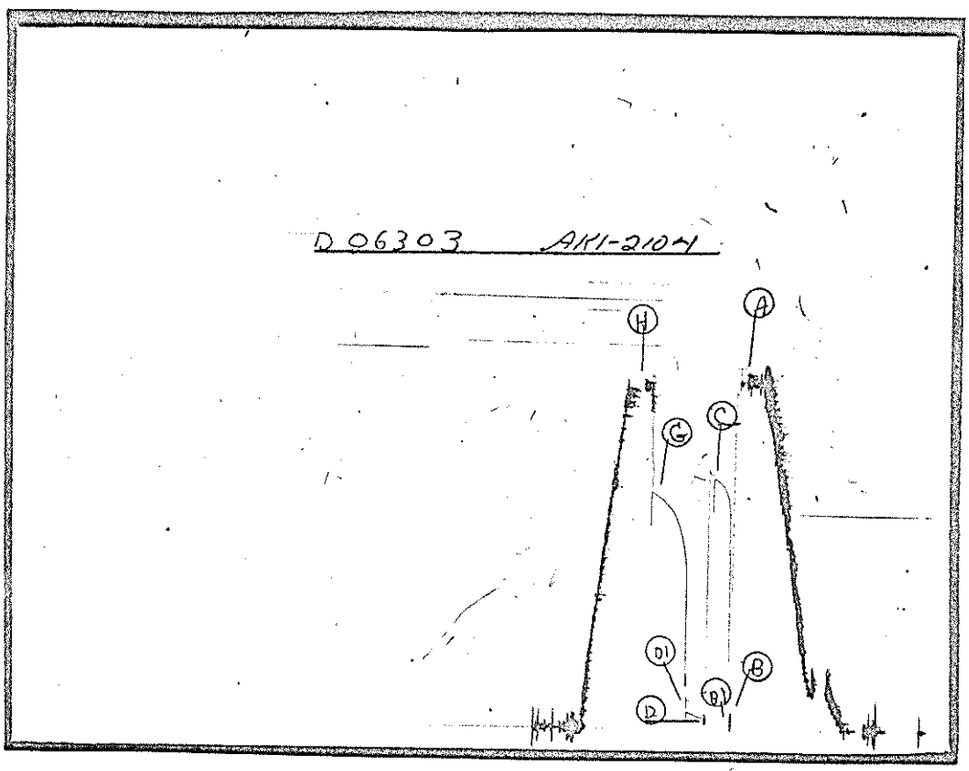
RECORDER NO. AK1-2104



A. Initial Hyd. Mud
B. First Flow
C. Initial Shut-In
D. Second Flow
E. Second Shut-In
F. Third Flow
G. Final Shut-In
H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

A-1, A-2, A-3, etc. Initial Hyd. Pressures
Z — Special pressure points such as pumping pressures recorded for formation breakdown.



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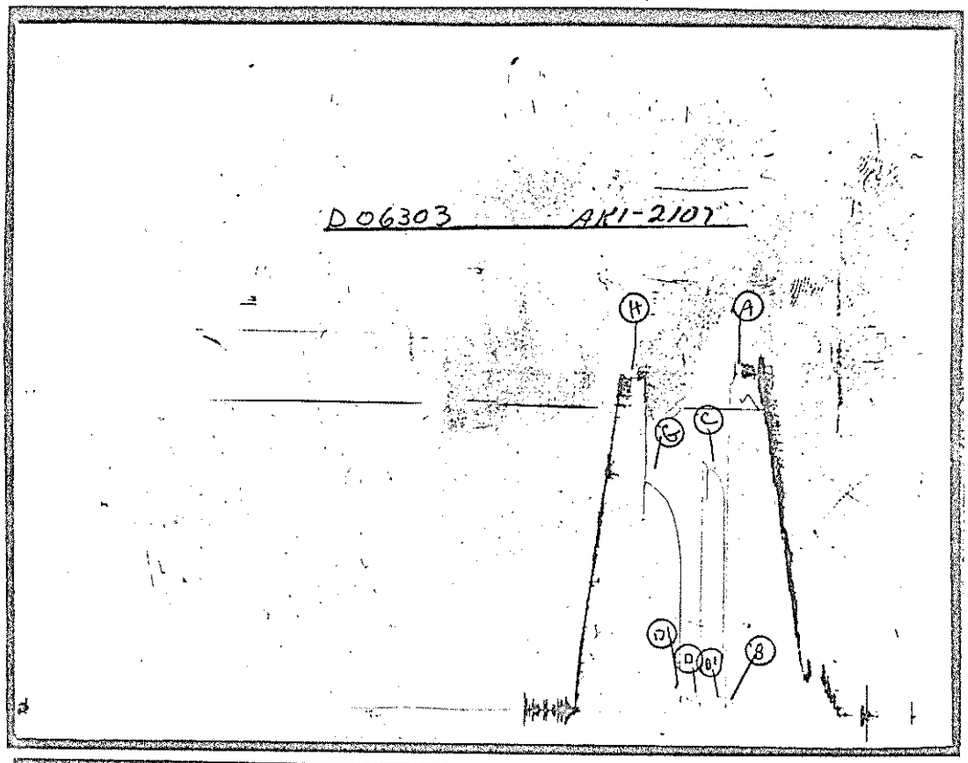
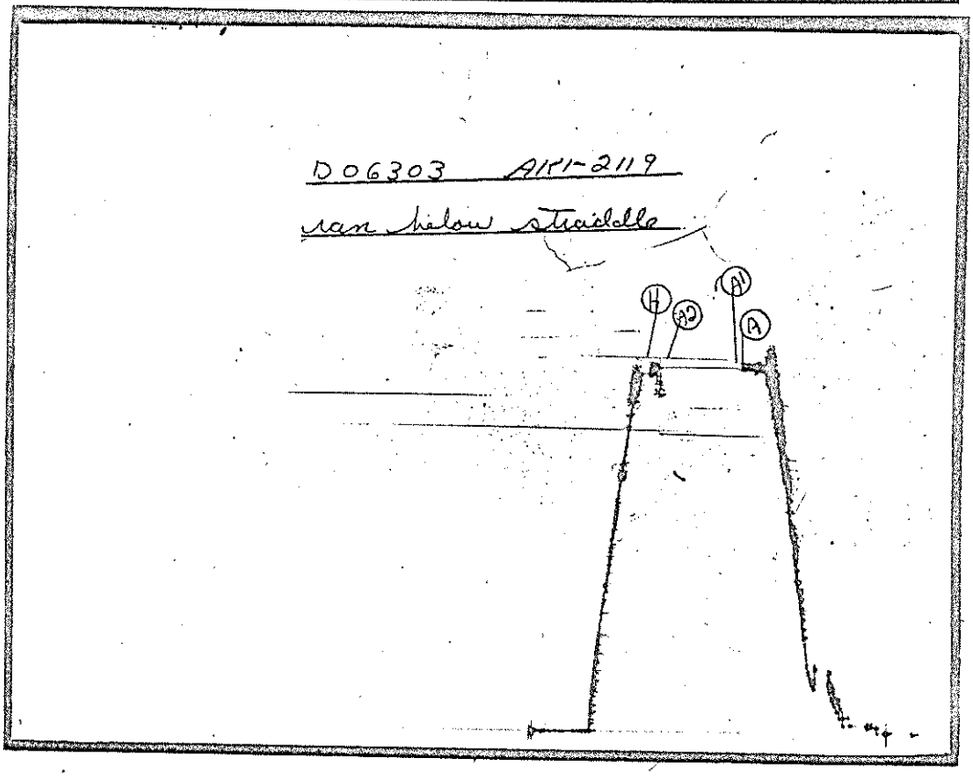


D06303 AKI-2119

ran below straddle



JT-1&E-48

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TEST DATA

Type of Test: Open Hole, Straddle, Bypass, Selective Zone.

Time Started in Hole	0200 Hrs.	Tool Opened	0555 Hrs.
First Flow	5 Min.	Initial Shut-In	43 Min.
Second Flow	60 Min.	Second Shut In	Min.
Third Flow	Min.	Final Shut In	60 Min.
Pulled Loose @	0843 Hrs.	Out of Hole	Hrs.
Wt. Set on Packers	50,000 #	Pulled Loose Wt.	25,000 + #

Description of Blow During Test: Good initial puff. Strong air blow on preflow. Strong blow on second flow, decreasing after 30 minutes; dead in 45 minutes.

FLUID RECOVERY

Was Test Reverse Circulated Yes XX No ☐

Total Fluid Recovered: 4930 Ft.

Description of Fluid Recovered:

600' Drilling fluid.
4330' Water.

GAS BLOW MEASUREMENT

Measured With: I.D. Riser

Time	Sfce. Choke	Reading psi inches	M Cubic Feet/Day
		NIL	

REMARKS: Test satisfactory. Selective tool would not set @ 6800'; held good @ 6815' interval. Repositioned but did not pick up high enough on second flow. Hole calliper out to 10" & 9½" where packers & setting set at.

RESISTIVITY			SALT CONTENT
Recovery Water	@	°F.	ppm.
Mud Pit sample filtrate	@	°F.	ppm.

TOOL SEQUENCE

Tool	Length	O.D.
Jars	5.89	
Sub	.85	
P.O. Sub	1.10	
Sub	.80	
D.P. Sub	.70	
MFE Tool	9.10	
Bypass Tool	3.10	
Safety Joint	1.75	
Hanger Sub	.88	
S.S. & Packer	9.30	7 3/4"
T.C. & Packer	5.30	7 3/4"
Total	38.77	
Stub	1.10	
Perfs	15.00	
Receiver Sub	.85	
Recorder	4.40	
Recorder	5.60	
Sub	.80	
Drill Pipe	467.79	
Sub	.70	
Travel Collar	3.60	
Total Interval	499.84	
Packer	2.80	7 3/4"
T.C. & Packer	6.10	7 3/4"
Recorder	4.40	
Selec. Zone Tool	1.00	
TOTAL LENGTH	552.91	

Elevation G.L. 3025 K.B. 3039 (Est.)

Bottom Hole Choke Size 1/2"

Fluid Cushion Type Nil Amt.

MUD AND HOLE DATA

Mud Type Gel W.L.

Filter Cake Visc. 30 Wt.

Time Taken

Contractor Commonwealth Drlg. Rig No. 31

Drill Pipe Size 4 1/2" FH

Drill Collar Size 2" ID &

Drill Collar Length 265.75' &

Main Hole Size 8 3/4" Rat Hole

District Inuvik Ticket No. D07176 Date March 23, 1972 Test No. (3) J.T. No. 3

Company Inexco Oil Company Address 540 - 5th Ave. S.W.

Well Name Inexco Husky et al Porcupine YT G-31 Calgary 1, Alberta

Number 66°20'22"N 140°06'13"W Field Porcupine R. Province Northwest Territories

Formation Silurian-Ordovician Thickness 500 Co. Rep.

Interval 6315 - 6815 T.D. 8720 Technician M.D. White

Distribution of Reports 8 - Calgary Attention: Jim Nelson

JT-IBE-3B

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D07176

PRESSURE DATA

INSTRUMENT No.		AK1-2563	AK1-2564	AK1-2597	
CAPACITY (psig)		4000	4000	4700	
INSTRUMENT DEPTH FT.		6332	6337	6824	
INSTRUMENT OPENING		Outside	Outside	Outside	
PRESSURE GRADIENT psi/FT.					
WELL TEMP. °F.					
INITIAL HYDROSTATIC	A	2850#	2840#	3064#	
FIRST FLOW	B	2108#	2115#		
	B-1	2125#	2120#	A-1 3082#	
INITIAL SHUT-IN	C	2326#	2321#		
SECOND FLOW	D	2108#	2104#	Ran Below	
	D-1	2323#	2318#	Straddle	
SECOND SHUT-IN	E				
THIRD FLOW	F			A-2 3062	
	F-1				
FINAL SHUT-IN	G	2326#	2321#		
FINAL HYDROSTATIC	H	2834#	2824#	3042#	

REMARKS:

FLUID SAMPLE REPORT

Sample No.

Type

Depth ft.

Volume

Sample Pressure: psig. at Surface

Gravity API @ °F

Gas/Oil Ratio Cu.Ft./bbl.

Recovery:

Cu. Ft. Gas

cc. Oil

cc. Water

cc. Mud

Total Liquid cc.

PRESSURE INCREMENTS

POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$	POINT MINUTES	PRESSURE	$\frac{T + \Delta t}{\Delta t}$

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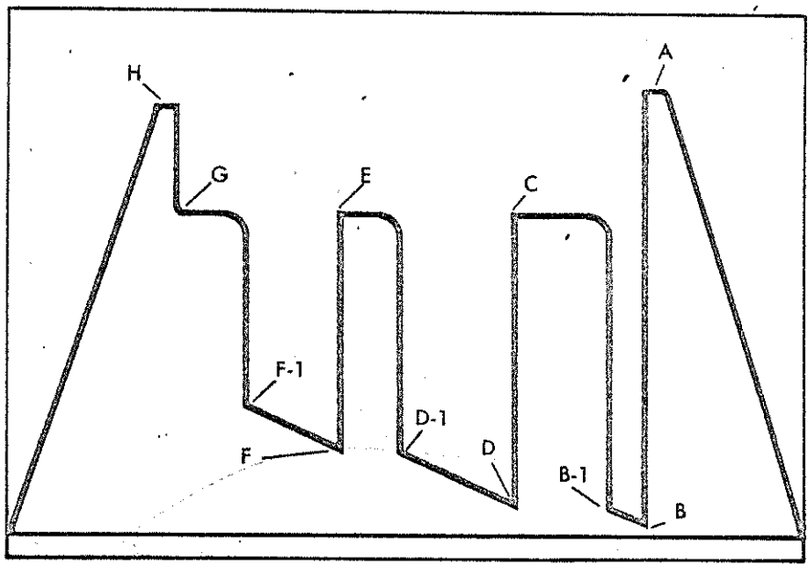
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD REPORT NO.	RECORDER NO.
D07176	AK1-2563



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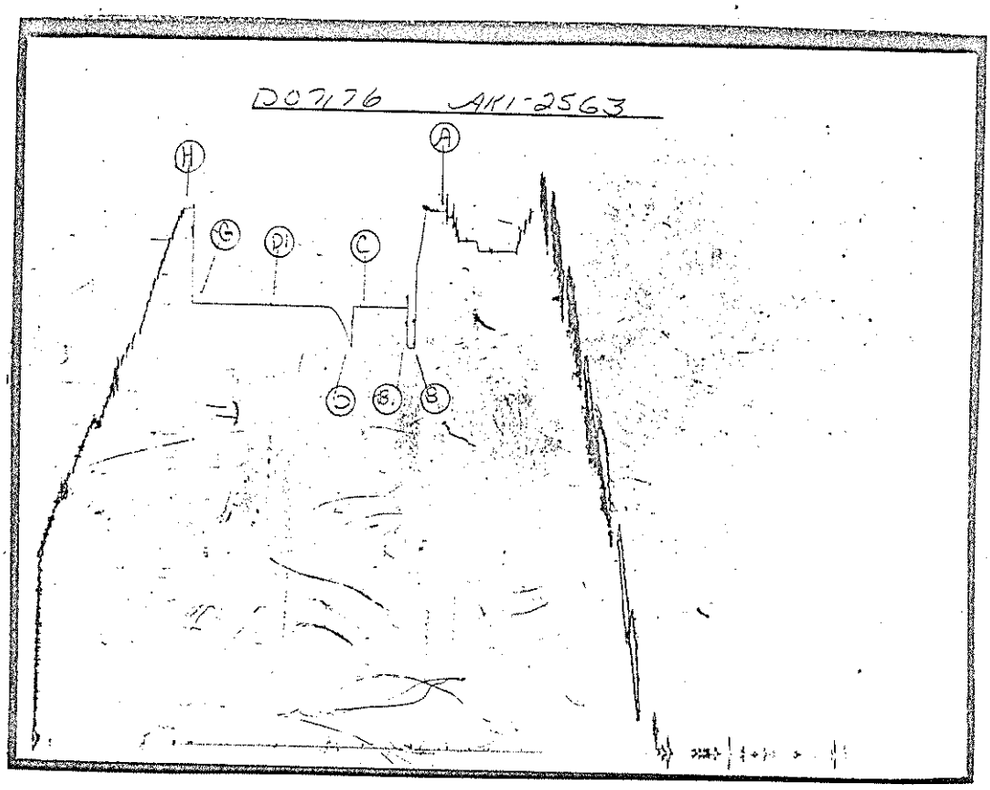
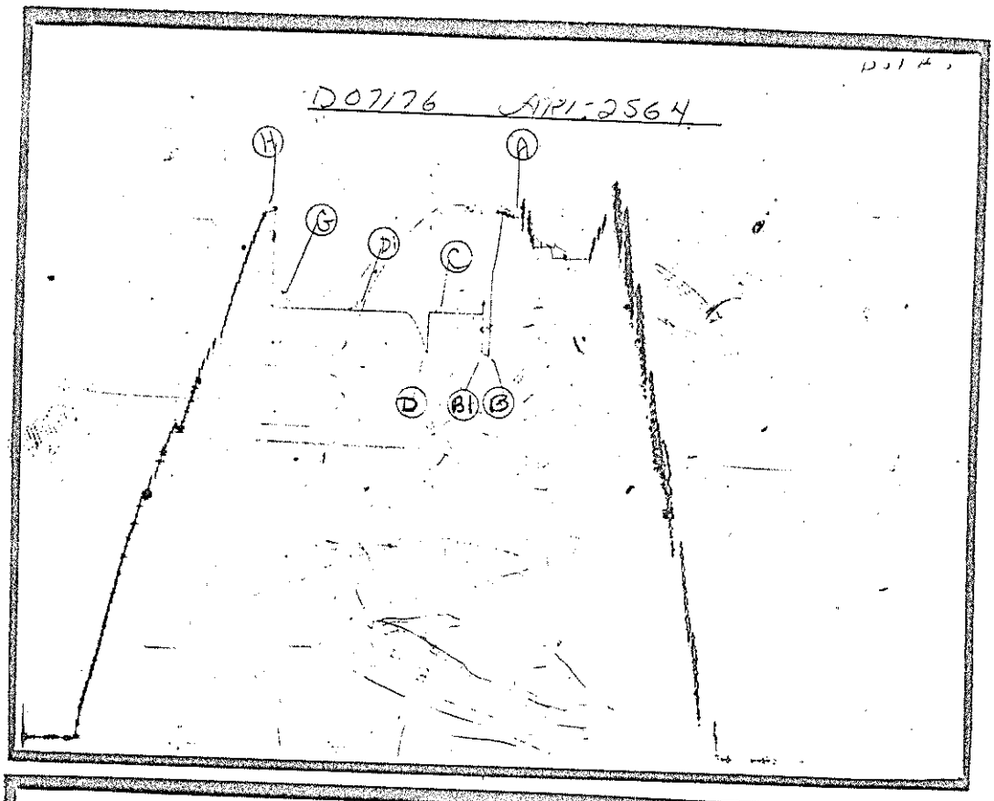
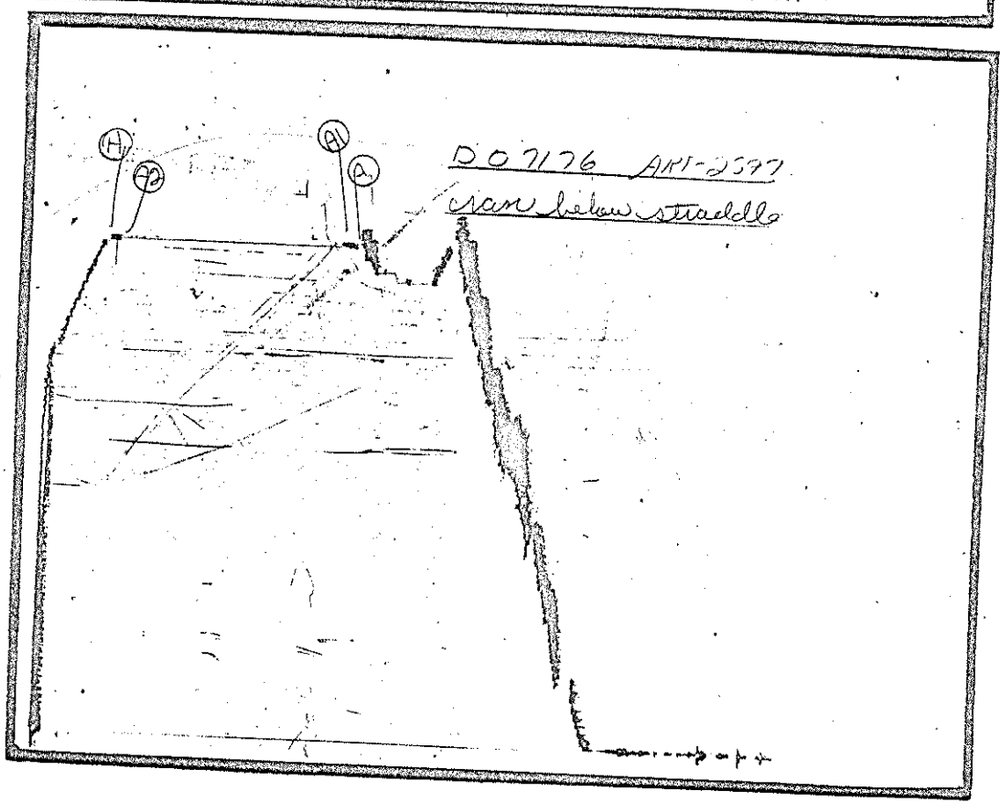



D0776 API-2564
H
A
G
D
C
D
B1
B


D0776 API-2577
crane below straddle
H
A
A