

WELL HISTORY REPORT

INEXCO HUSKY et al PORCUPINE YT G-31

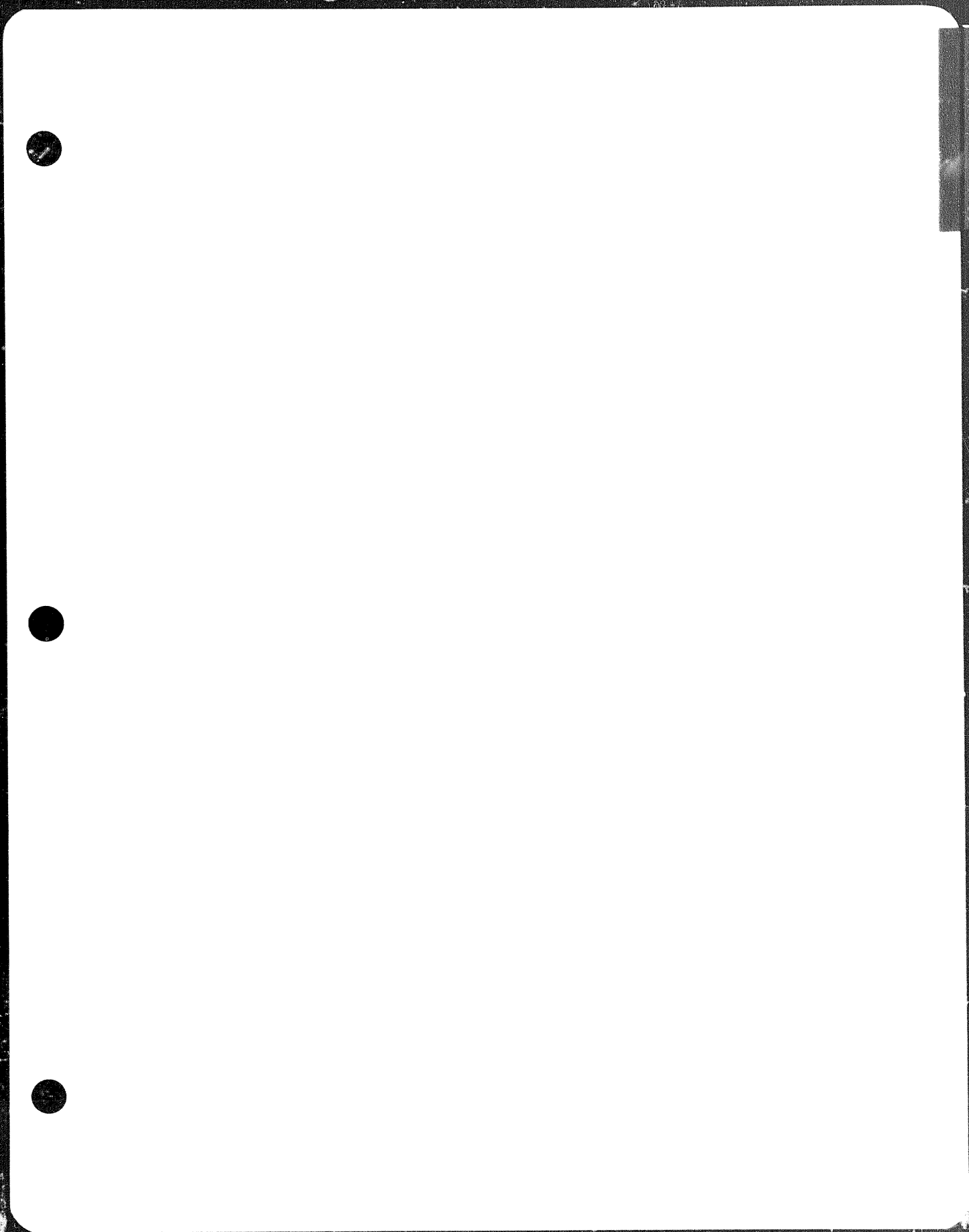
KANDIK BASIN

YUKON TERRITORY



April 12, 1972

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



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 IIGEOLOGICAL SUMMARYINEXCO HUSKY et al PORCUPINE YT G-31Formation Tops

K.B. Elevation 3025' (est.)

<u>Formation</u>	<u>Sample</u>	<u>E-Log</u>	<u>Datum</u>
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

<u>Diamond Core No.</u>	<u>Interval</u>	<u>Formation</u>	<u>Recovery</u>
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 preserved 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'

Penetration 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 chalcopryrite 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'
(6803-6308)

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 DESCRIPTIONSINEXCO 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, micromicaceous 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 siliceous 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, carbonaceous 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 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 - 4010 Shale - shale as above, becoming in part with crystalline texture and calcareous, minor amounts white calcite veinlets.
- 4050 - 4080 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 predominant bare trace possible organic 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 crystalline, 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,

- 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 pale grey, medium to coarse crystalline, 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 crystalline 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 organic 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.

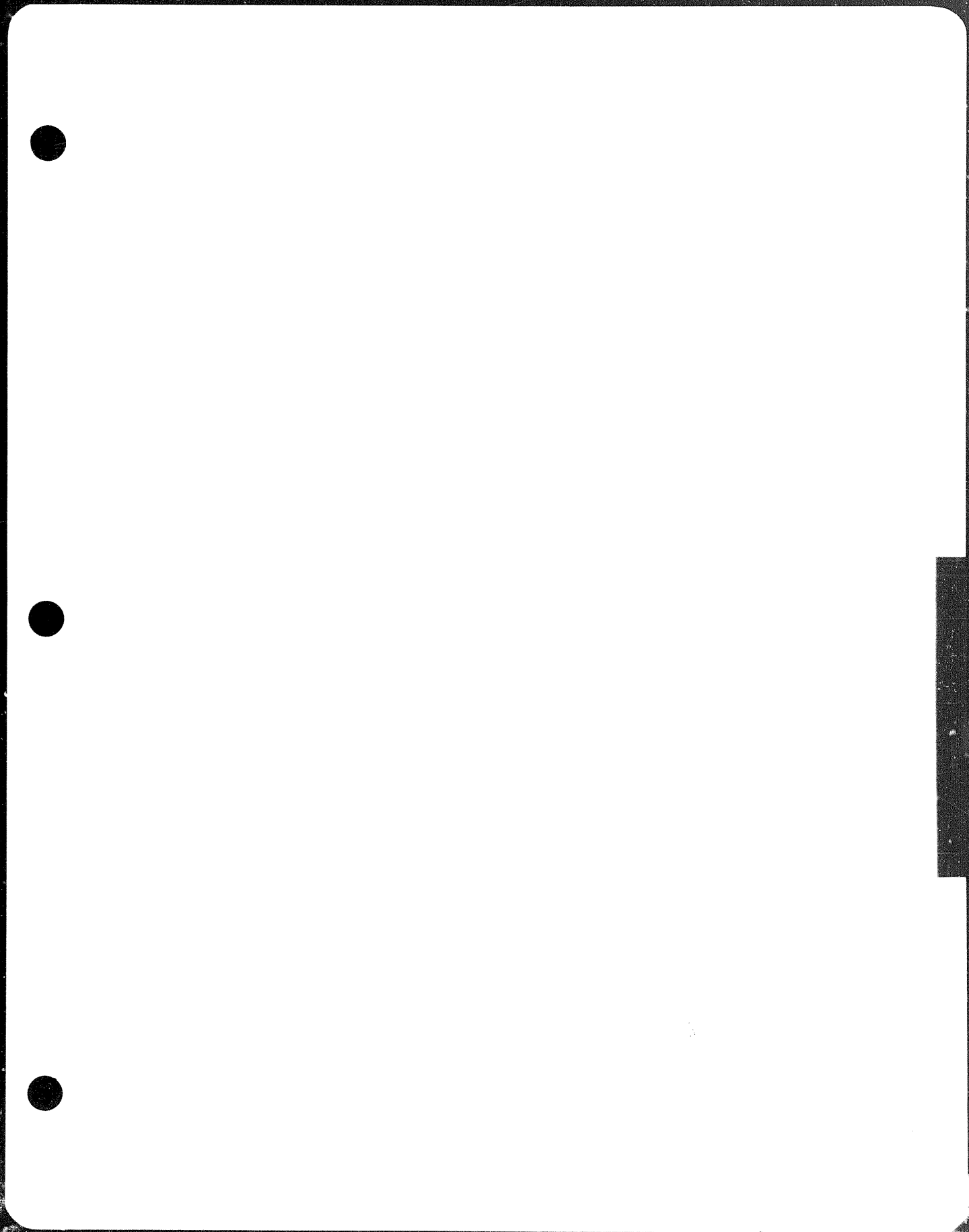
- 6840 - 6880 Dolomite - light grey, medium crystalline dolomite, minor amounts white coarse crystalline dolomite infil, bare trace fine vuggy and intercrystalline porosity, no show, in part with pelletal and granular texture, trace fine disseminated pyrite.
- 6880 - 6900 Dolomite - white to medium grey, 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 crystalline 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.

- 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 IIIENGINEERING SUMMARYINEXCO 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

<u>Bit No.</u>	<u>Type</u>	<u>Size</u>	<u>Jets</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>Hours</u>	<u>Cond.</u>
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
RR	M88	12 1/4	open	1431	1813	382	34 1/4	31I
1	H88	12 1/4	open	1831	2341	528	39 1/2	Twist Off
	RX55R	12 1/4	open	2352	2366	14	1	Locked
	DMNJ	12 1/4	open	2366	2374	8	3 3/4	Locked
RR	M4L	12 1/4	open	2374	2528	154	11 1/4	62I
	M4L	12 1/4	open	2528	2871	343	28 1/4	55I
RR	X55R	12 1/4	open	2871	3185	314	18 1/4	42I
	DMN	12 1/4	open	3185	3716	531	50 1/2	670
	DMN	12 1/4	open	ream to 3716	3716	156	5 1/2	
				3716	3910	194	19	880
	M4L	12 1/4	open		ream	50	1 1/2	
				3910	3915	5	3/4	640
	C2G	12 1/4	open	3915	4251	336	33	26I
RR	M88	12 1/4	open	4251	4505	254	32 1/2	43I
	RX55R	12 1/4	open	4505	4900	395	48	22I
	YS1G	8 3/4	open	4900	4905	5	1/2	
	RX55R	8 3/4	open	4905	5012	107	8	
re 1	Dia.	6 1/8		5012	5042	30	3 3/4	Good
	SCM5	8 3/4	open	5012	5042	30	2 3/4	(ream)
				5042	5548	506	27 3/4	840
	SHG	8 3/4	open	5488	5548	142 (ream)	9 1/4	22I
	SCM5	8 3/4	open	5548	6181	633	39	540
	X55R	8 3/4	open	6181	6793	612	40 3/4	32I
	Dia.	6 1/8		6793	6815	22	4 3/4	Good
	SHG J	8 3/4	3/15	6793	6815	22	6 (ream)	
				6815	6822	7	1 1/2	22I
	X55R	8 3/4	3/15	6822	7281	459	32	Lost 2 cones
	H7UGJ	8 3/4	3/15	7281	7303	22	2 3/4	53I
	7XJ	8 3/4	3/14	7303	7751	448	25 3/4	68I
	RGLXJ	8 3/4	3/14	7751	8228	477	30 1/4	77I
	H88	8 3/4	3/14	8228	8720	492	42 1/2	35I

(d) MUD REPORT

<u>ADDITIVES</u>	<u>AMOUNT</u>
Gel	35,000 lbs.
Caustic	750 lbs.
Bicarb	400 lbs.
Kwik Seal	360 lbs.
Sawdust	25 Sx.
Diesel Fuel	25 bbls.
Soap	31 lbs.
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% CaCl₂. 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

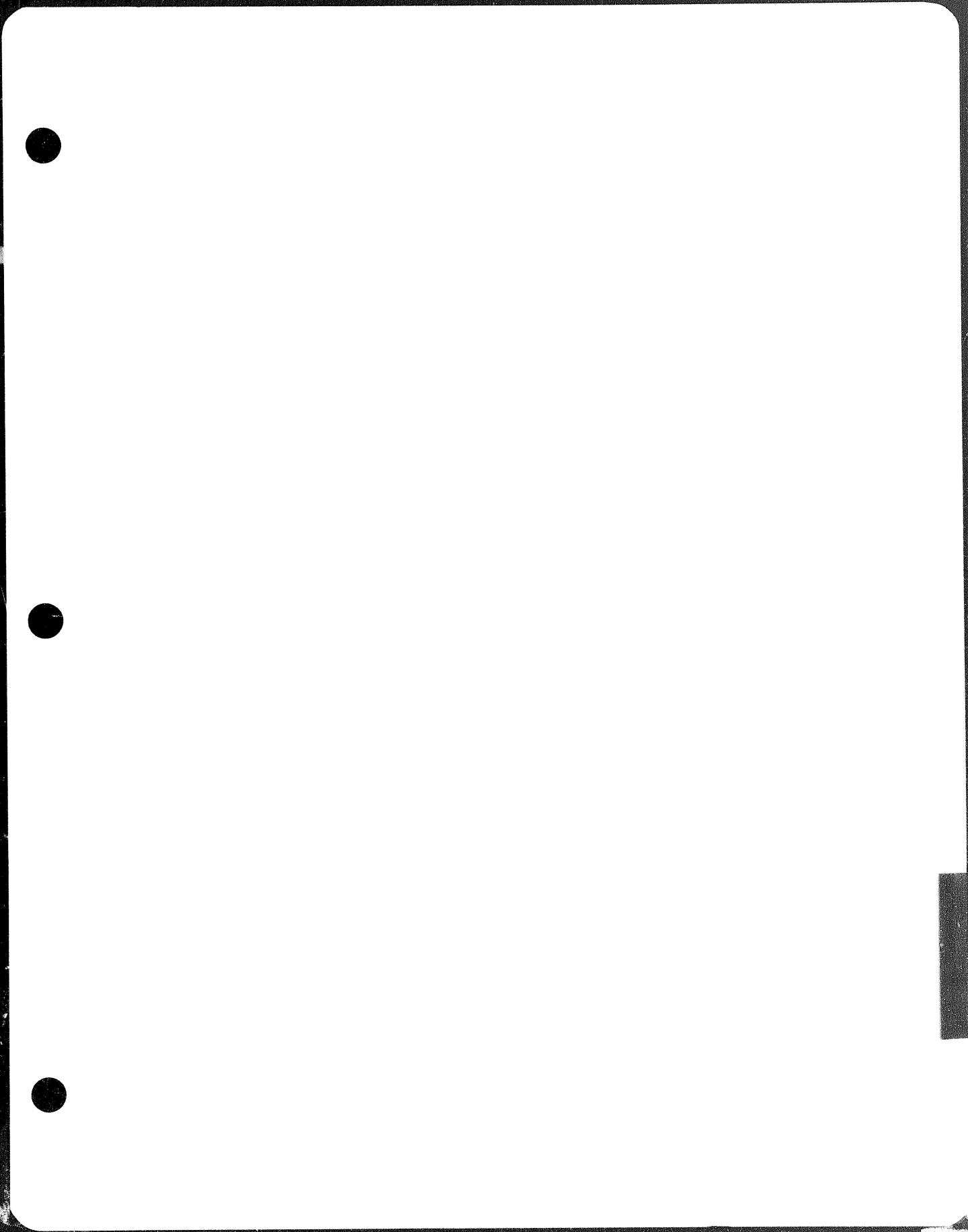
The Porcupine well was drilled from surface to 6080' using foam as the drilling fluid and any lost circulation zones in this interval were not detected. Intermediate casing was set at 4900'. From 6080' - T.D. water was used as the drilling fluid. After switching over to a water system, it was apparent 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 RECORDINEXCO HUSKY et al PORCUPINE YT G-31

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

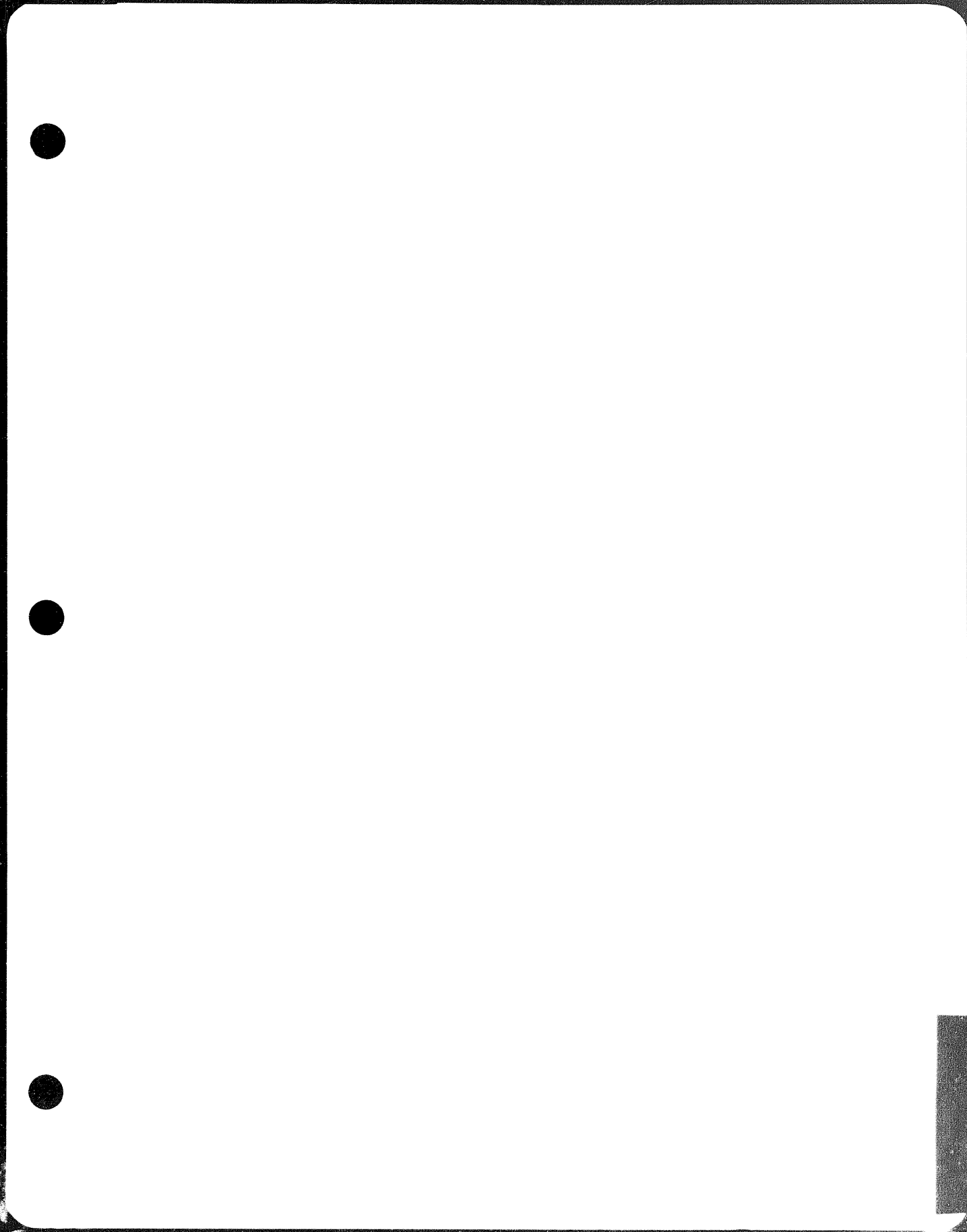


SECTION IV - LOGSINEXCO HUSKY et al PORCUPINE YT G-31

<u>Type</u>	<u>Date</u>	<u>Interval</u>	<u>Scale</u>
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 IV - LOGSINEXCO HUSKY et al PORCUPINE YT G-31

<u>Type</u>	<u>Date</u>	<u>Interval</u>	<u>Scale</u>
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 1 - ANALYSIS

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

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	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		
0.0 MD. TO 0.9 MD.	4.0	2.50	10.00	1.10	4.40		
1.0 MD. TO 0.99 MD.	.0	.00	.00	.00	.00		
1.00 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.							

CANADA CORE ANALYSTS LTD.

CALGARY ALBERTA

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

SUMMARY

SUMMARY INTERVAL: 6793.0 - 6815.0
 TOTAL FOOTAGE: 22.0
 FOOTAGE ANALYZED: 14.6
 FOOTAGE NOT ANALYZED: 7.4
 RUBBLE: .0
 DENSE: .0
 DRILLED: .0
 NOT ANALYZED: .0
 6793.0 - 6815.0
 22.0
 14.6
 7.4

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

% POROSITY & MD.

CANADA CORE ANALYSTS LTD.
CALGARY, ALBERTA

COMPANY INEXCO OIL COMPANY

PAGE 4

WELL INEXCO HUSKY ET AL PORCUPINE YT G-31

FILE CCI-72-118

SAMPLE NUMBER	INTERVAL REPRESENTED (FEET)		PERMEABILITY TO AIR (MILLIDARCS)	PERMEABILITY FEET	POROSITY %	POROSITY FEET	DENSITY		RESIDUAL SAT. PORE %		VISUAL EXAMINATION	
	TOP	BASE					THICK	K/MAX	K90°	KV		BULK
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	2.01	2.84	DOL, XLN, SL/V, PY, VF
12	6796.5	- 6799.7	3.2	<.01	<.01	<.01	2.84	.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, LCC PY
LU	6807.6	- 6815.0	7.4									LOST CORE

CURE #2 6793.0' - 6815.0' REC. 14.6' 3 BOXES

CANADA CORE ANALYSTS LTD.
CALGARY, ALBERTA

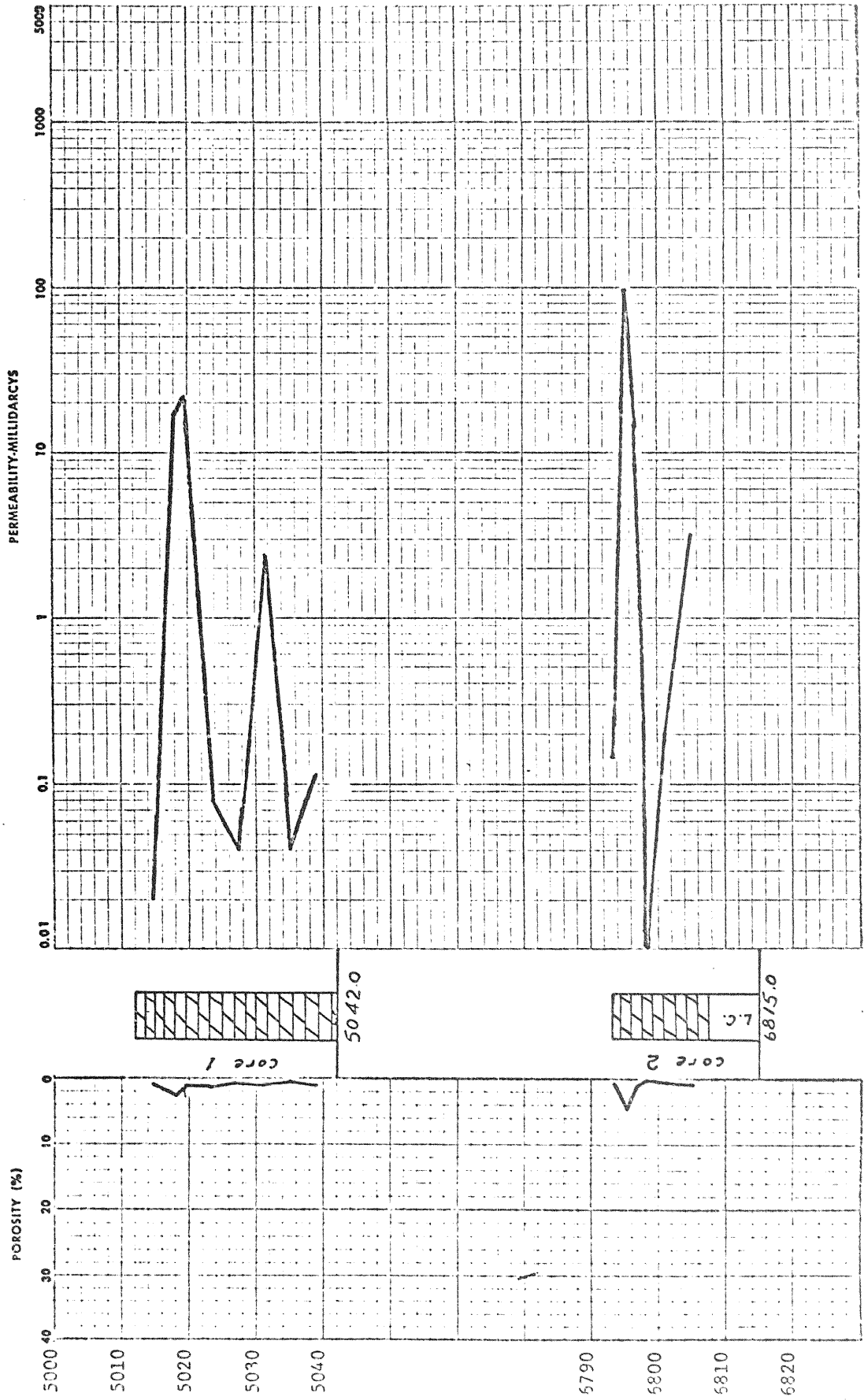
COMPANY
WELL

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

PAGE 5
FILE CCL-72-118



DOLOMITE





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 flowrats: 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'
 66 20'22.00 N.L.
 Location 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
 DST Recovery: 4250' Liquid.
 Recovery Tool Recovery: 700 cc's Water.
 _____ Mud type _____ Water cushion _____

Total Solids:

Resistivity 4.51 Ohm-meters @ 68 °F Calculated 1.977 mg/liter
 Specific gravity 1.0024 @ 60°F By evaporation @ 110°C - mg/liter
 pH 9.05 H₂S Absent By evaporation @ 180°C - mg/liter
 Refractive Index 1.3334 @ 70°F 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

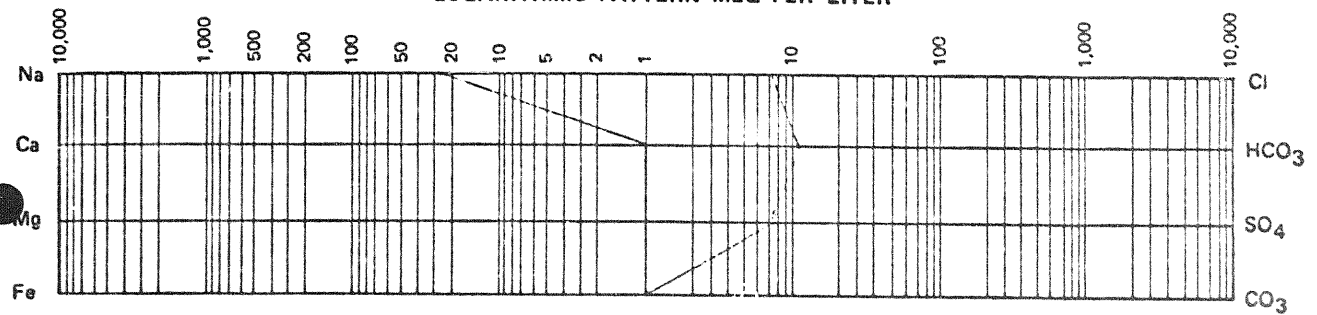
PER CENT CALCULATED SOLIDS

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
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LOGARITHMIC PATTERN MEQ PER LITER



1285. 607.0



CORE LABORATORIES - CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING



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'
66 20'22.00 N.L.

Location 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 _____

Total Solids:

Resistivity 5.16 Ohm-meters @ 66 °F Calculated 1,618 mg/liter

Specific gravity 1.0018 @ 60°F By evaporation @ 110°C - mg/liter

pH 8.7 H₂S Absent By evaporation @ 180°C - mg/liter

Refractive Index 1.3327 @ 70°F 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

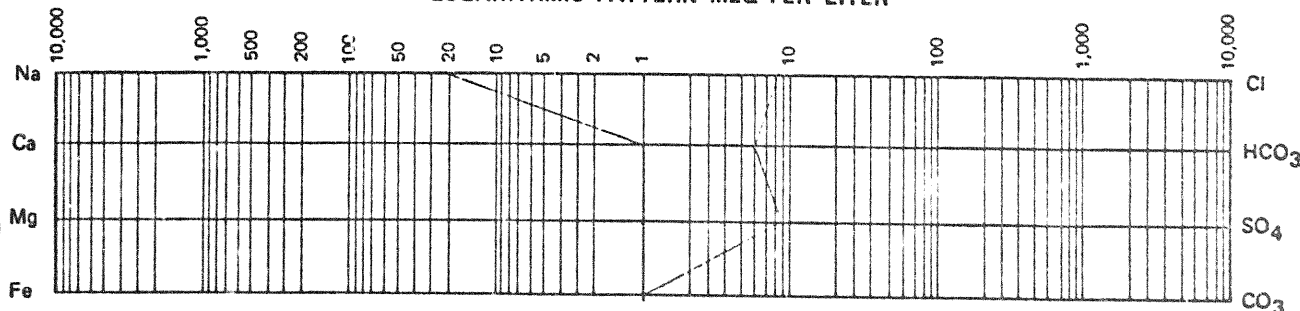
PER CENT CALCULATED SOLIDS

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

22.6	.4	.2	Trace	Abs.	-	-	8.1	6.0	8.8	.3	.0
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LOGARITHMIC PATTERN MEQ PER LITER



1145. 520.0



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'
66 20'22.00 N.L.

Location 140 06'13.00 W.L. Field Porcupine River Area Province Yukon

Formation _____ Interval 57 - 61.5 ft

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 _____

Total Solids:

Resistivity 1.99 Ohm-meters @ 6' of _____ Calculated 3,639 mg/liter

Specific gravity 1.0033 @ 60°F By evaporation @ 110°C - mg/liter

pH 7.5 H₂S Absent By evaporation @ 180°C - mg/liter

Refractive Index 1.3338 @ 70°F 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

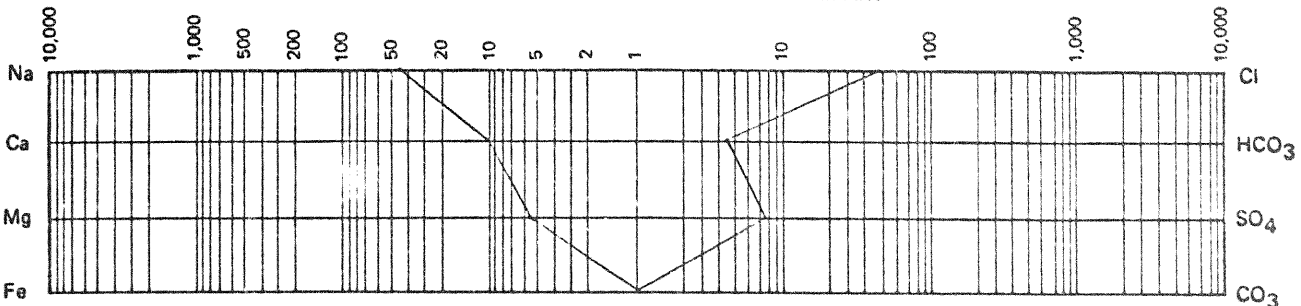
PER CENT CALCULATED SOLIDS

28.1	5.5	1.9	Trace	Abs.	-	-	46.5	7.5	10.4	.0	.0
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MEQ PER LITER

44.5	10.0	5.6	Trace	Abs.	-	-	47.7	4.5	7.9	.0	.0
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LOGARITHMIC PATTERN MEQ PER LITER



3308. 1024.0



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

<u>Sampled From</u>	<u>Description</u>	<u>Benzene (Volume %)</u>	<u>Toluene (Volume %)</u>
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



File 921-2317 Page 2 of 5

Company Inexco Oil Company
 Well Inexco Husky et al Porcupine YT G-31 K.B. 3039' Grd. 3025'
 66 20'22.00 N.L.
 Location 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 _____

Total Solids:

Resistivity 5.79 Ohm-meters @ 72 °F Calculated 1,202 mg/liter
 Specific gravity 1.0010 @ 60°F By evaporation @ 110°C - mg/liter
 pH 7.5 H₂S Absent By evaporation @ 180°C - mg/liter
 Refractive Index 1.3325 @ 74°F 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

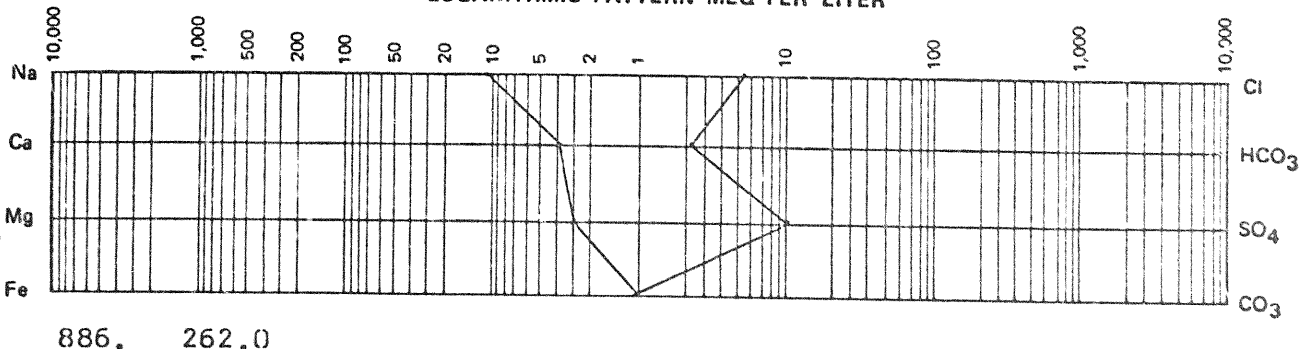
PER CENT CALCULATED SOLIDS

21.8	6.2	3.1	Trace	Abs.	-	-	15.9	11.0	42.1	.0	.0
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MEQ PER LITER

11.4	3.7	3.0	Trace	Abs.	-	-	5.4	2.2	10.5	.0	.0
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LOGARITHMIC PATTERN MEQ PER LITER





CORE LABORATORIES - CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING



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



File 921-2317 Page 4 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 10.93 Ohm-meters @ 70 °F

Specific gravity 1.0001 @ 60°F

pH 6.2 H₂S 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

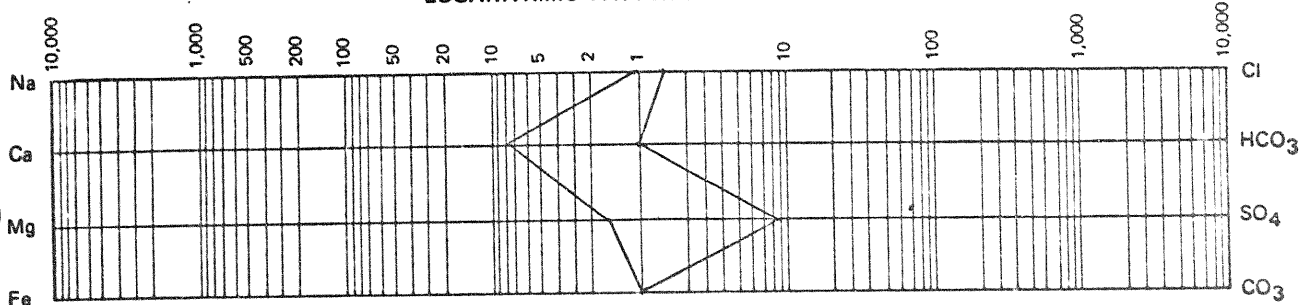
PER CENT CALCULATED SOLIDS

3.5	22.3	3.0	Pres.	-	-	-	7.3	6.9	57.0	.0	.0
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MEQ PER LITER

1.1	7.9	1.7	Pres.	-	-	-	1.5	.8	8.4	.0	.0
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LOGARITHMIC PATTERN MEQ PER LITER



485. 25.0



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 Total Solids:
 Calculated 656 mg/liter
 Specific gravity 1.0001 @ 60°F By evaporation @ 110°C - mg/liter
 pH 6.2 H₂S Absent By evaporation @ 180°C - mg/liter
 Refractive Index 1.3325 @ 74°F 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

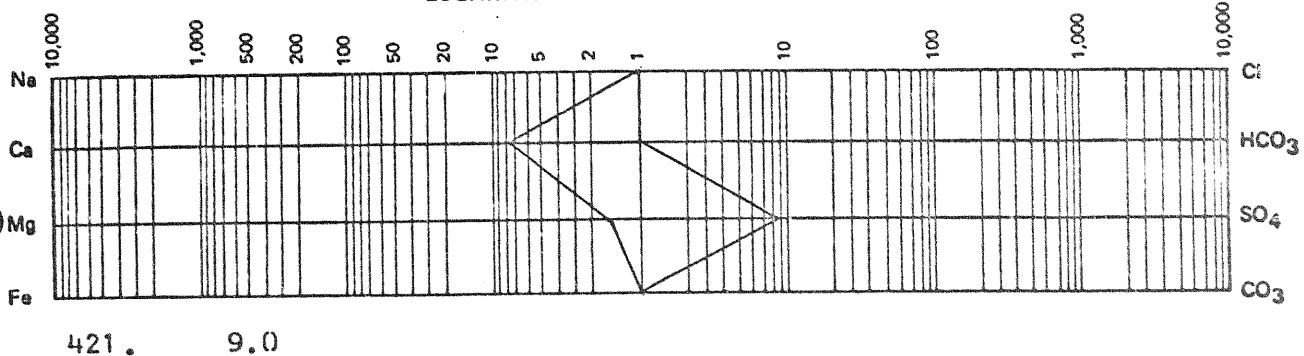
PER CENT CALCULATED SOLIDS

1.4	23.6	2.9	Pres.	-	-	-	1.1	9.0	62.0	.0	.0
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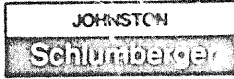
MEQ PER LITER

.4	7.7	1.6	Pres.	-	-	-	.2	1.0	8.5	.0	.0
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LOGARITHMIC PATTERN MEQ PER LITER



421 . 9.0

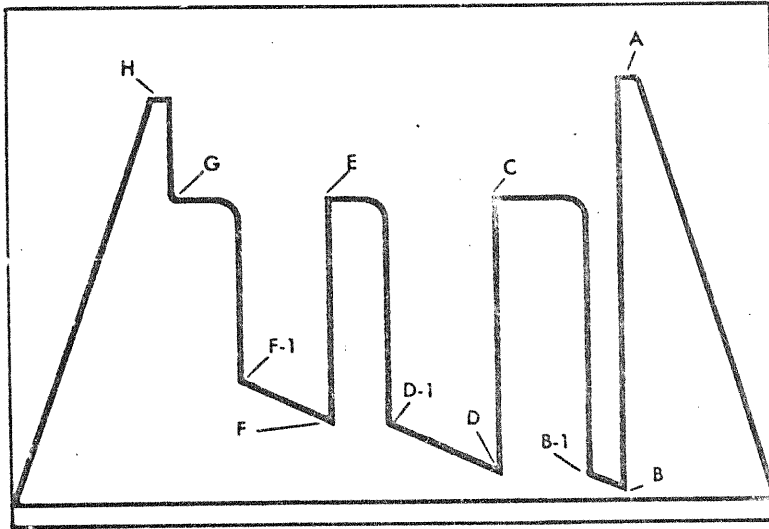


JOHNSTON TESTERS 321 - 50TH AVENUE S.E. • CALGARY 24, ALBERTA • PH. 255-1151
 A DIVISION OF SCHLUMBERGER CANADA LIMITED

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD
 REPORT NO.
 D06302

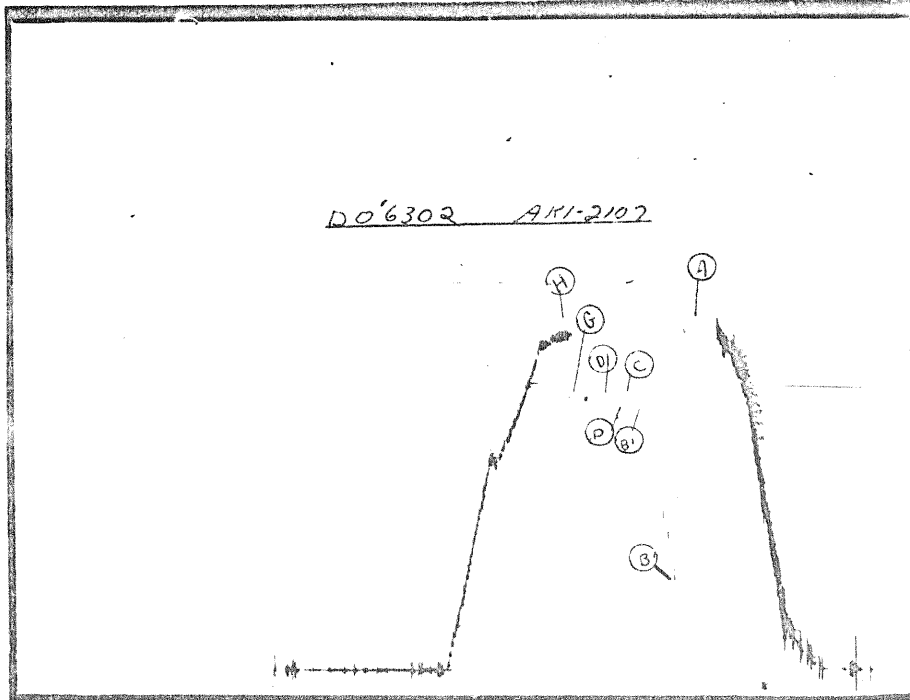
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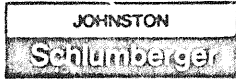


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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.





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

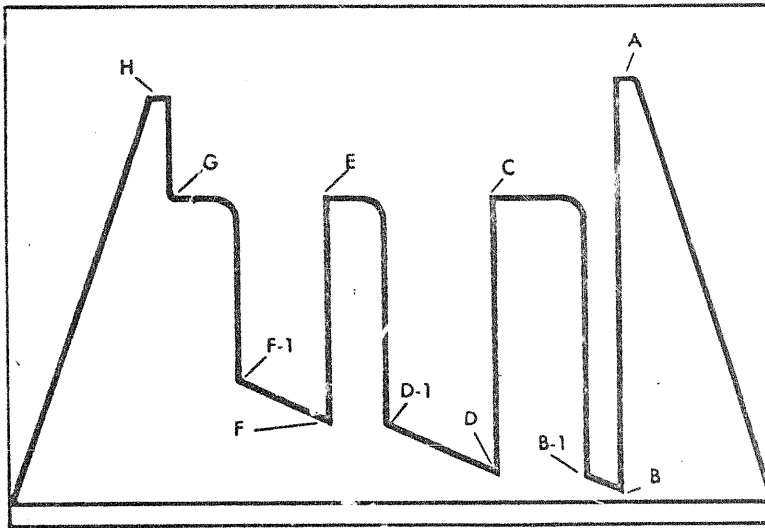
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

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 REPORT NO.

D06302

RECORDER NO.

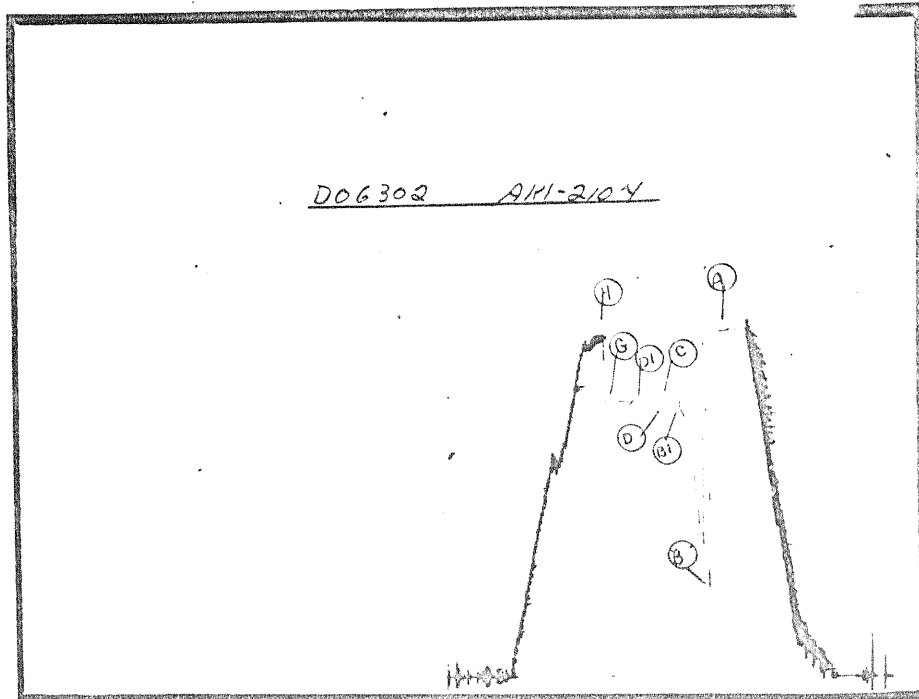
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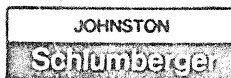


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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.



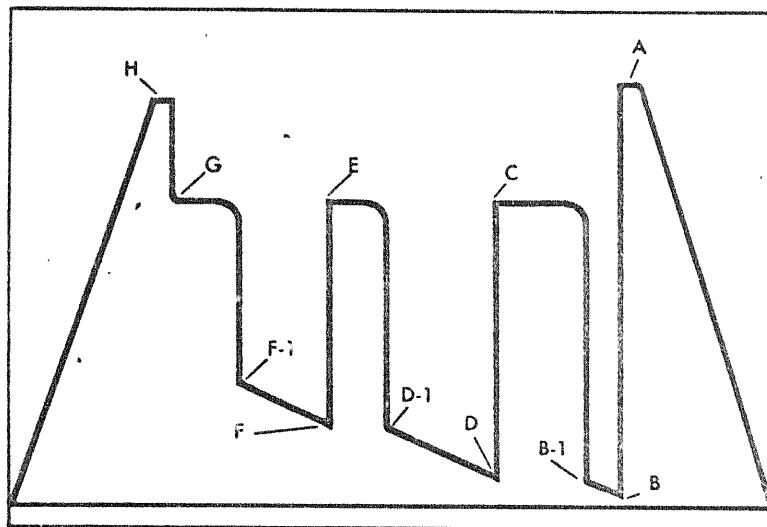


JOHNSTON TESTERS 321 - 50TH AVENUE S.E. • CALGARY 24, ALBERTA • PH. 255-1151
 A DIVISION OF SCHLUMBERGER CANADA LIMITED

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

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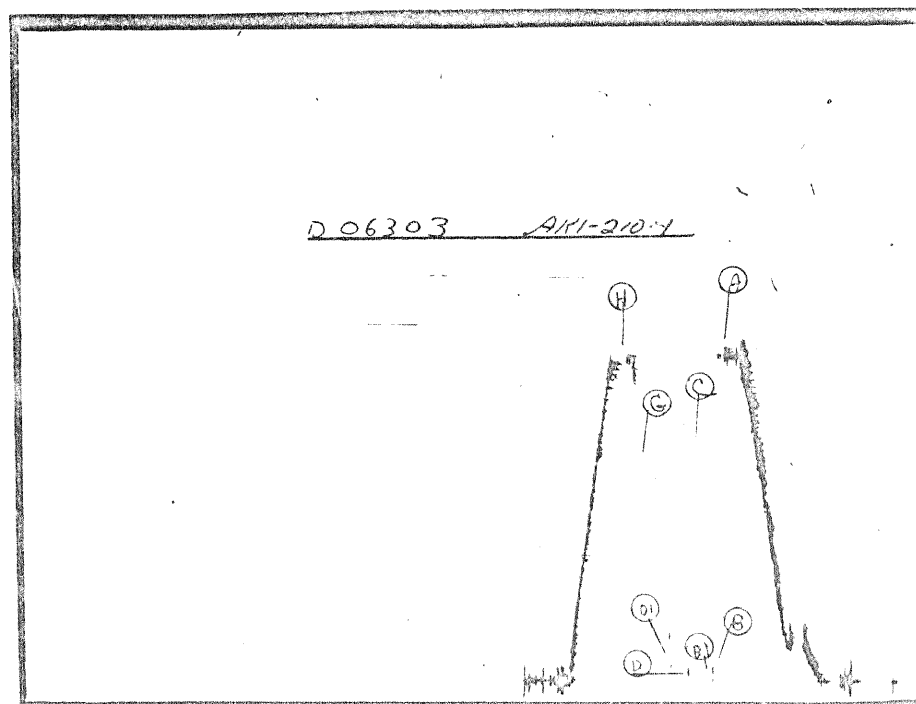
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 AK1-2104

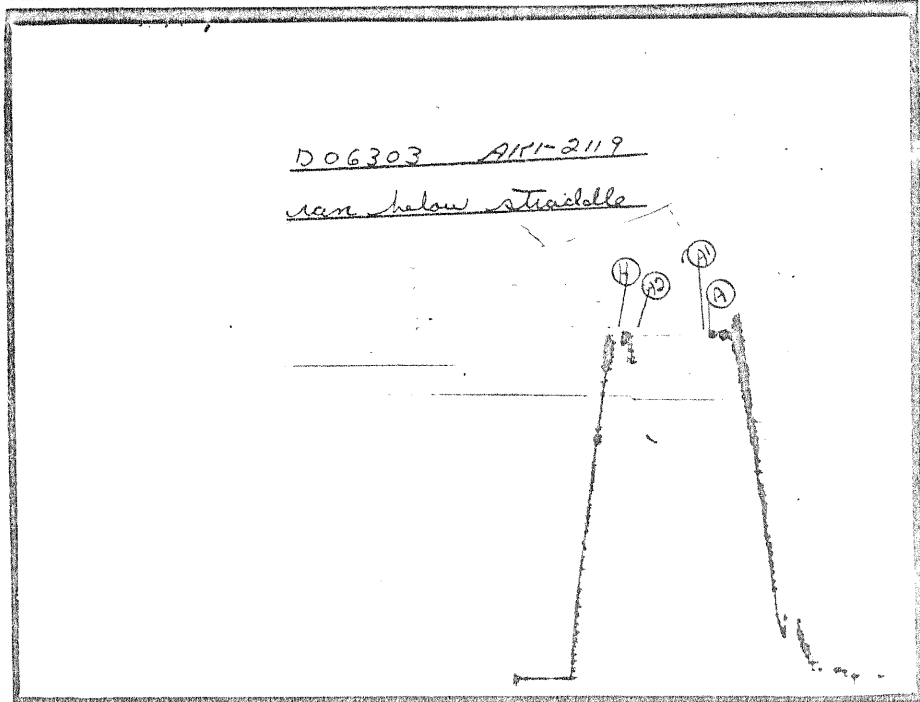
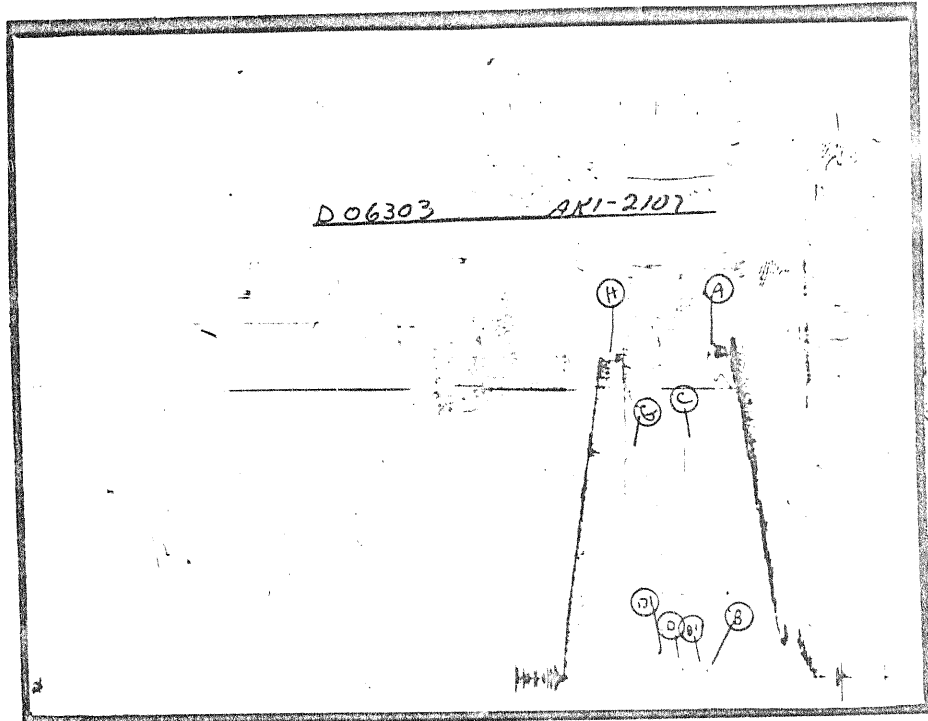


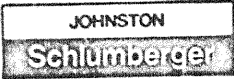
- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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.







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

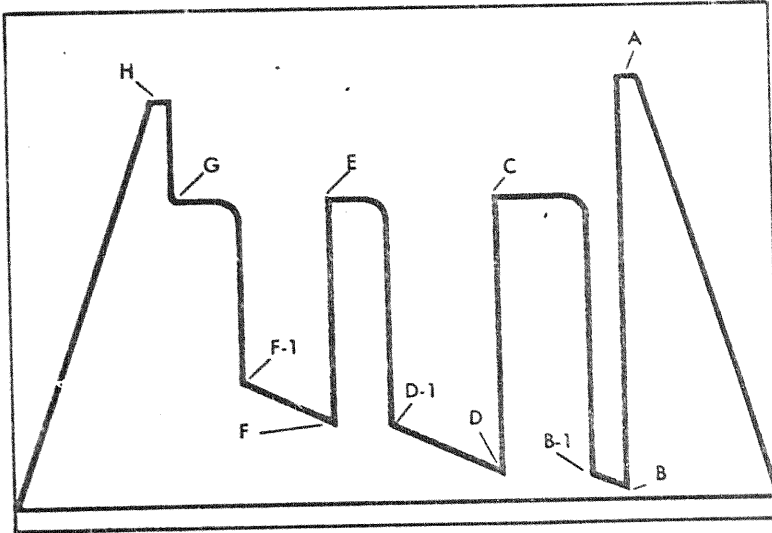
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

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RECORDER NO.

D07176

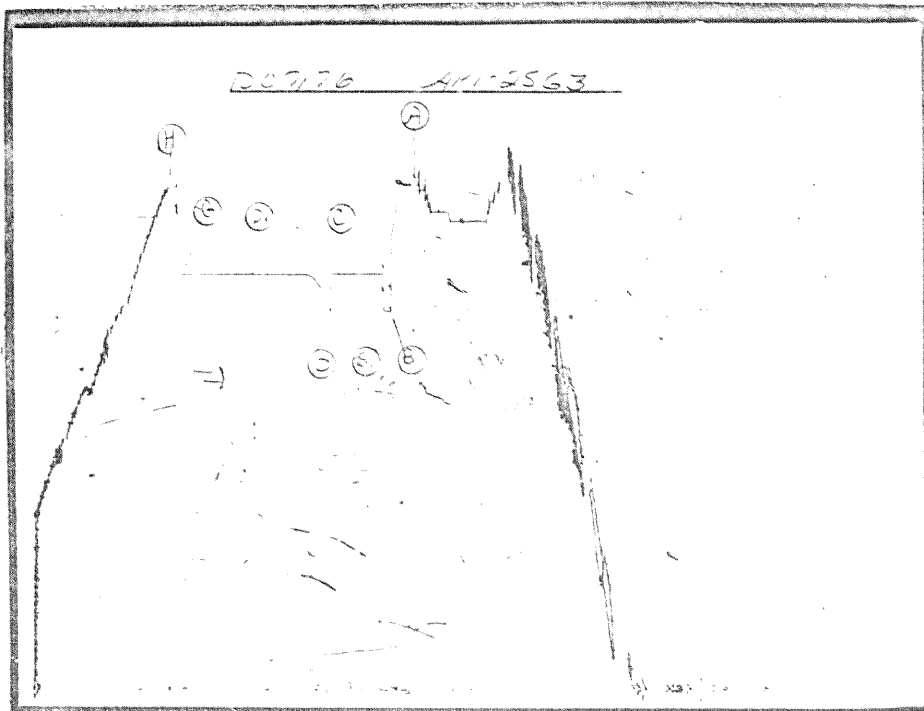
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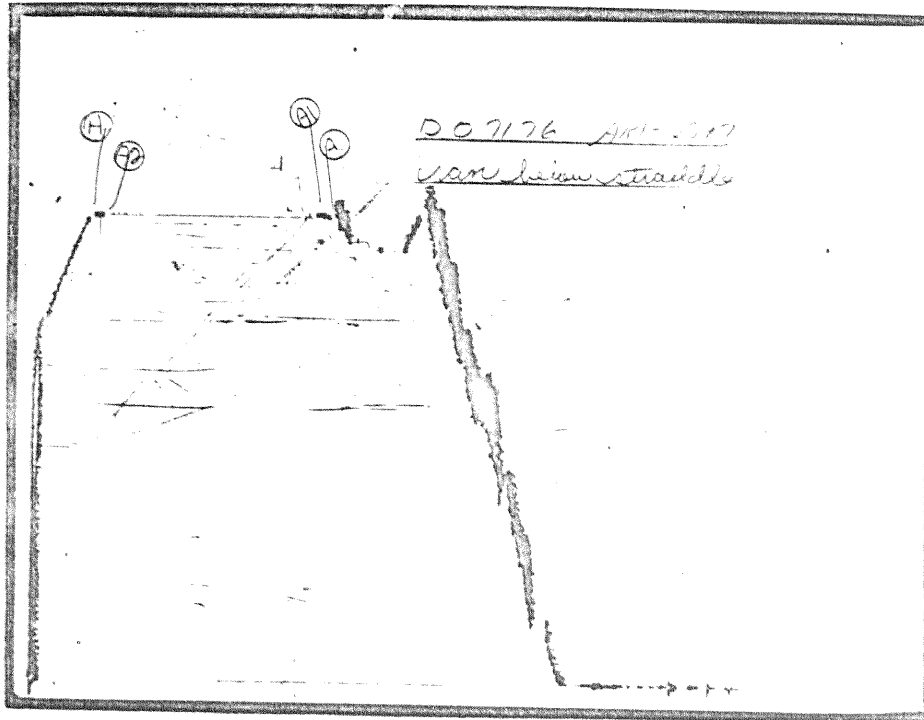
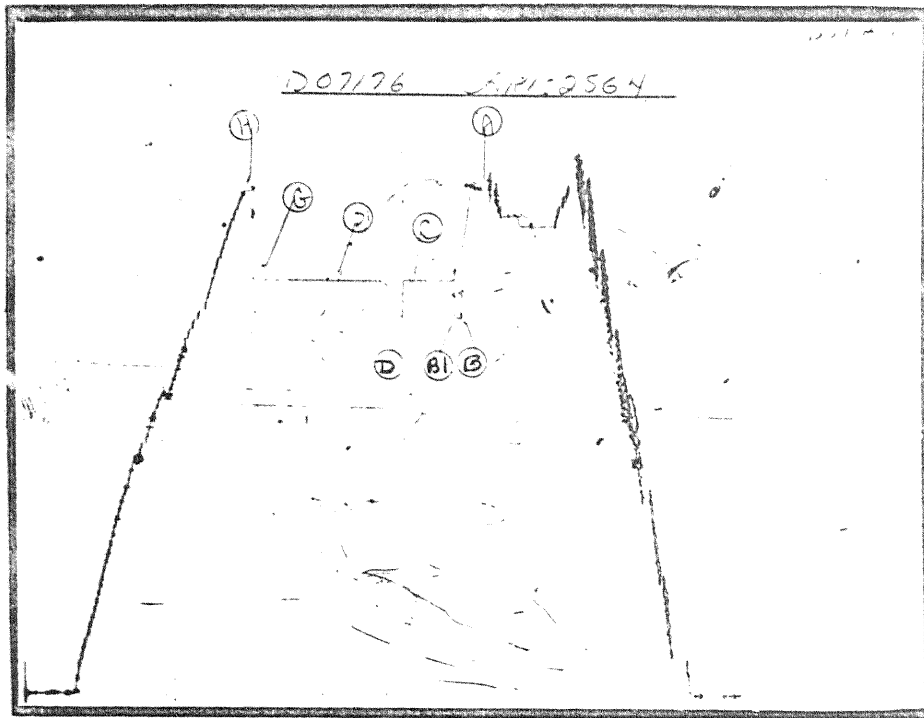


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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.





LYNES UNITED SERVICES LTD.

104 - 51 Avenue S.E.

(Sub. P.O. 28)

CALGARY, ALBERTA

Phone: AL 5-8011

COMPANY: Socony Mobil Oil of Canada FORMATION: _____ TICKET No.: 727

WELL LOCATION: Socony Mobil Western Minerals E AREA: _____
Porcupine & YT A-56

TEST No.: Five DATE: May 22, 1963 INTERVAL: 6450 - 6473 TOTAL DEPTH: 6473

KB ELEVATION: 1634 TYPE OF TEST: Bottom Hole

MAIN HOLE SIZE: 8 5/8 RAT HOLE SIZE: _____ CUSHION: _____ TEMPERATURE: 136

MUD WEIGHT: 10.0 VISCOSITY: 143 WATER LOSS: 4.4 DRILL PIPE SIZE: 5 and 4 1/2 IP

PRE-FLOW PERIOD: 4 minutes DRILL COLLARS: 655 FT.

INITIAL SHUT-IN PERIOD: 30 minutes DRILL COLLARS I.D.: 2 7/8 O.D.: 6 1/4

FLOW PERIOD: 90 minutes BOTTOM HOLE CHOKE SIZE: 1/2

FINAL SHUT-IN PERIOD: 125 minutes PACKER RUBBER SIZE: 7 5/8

BLOW: Good initial puff. Gas to surface on pre-flow. Valve opened - gas to surface immediately; 10' flare on 4' riser. Blow decreased rapidly during test. No readings taken.

RECOVERY: Nil.

PRESSURE READINGS:	INSIDE: <u>X</u>	OUTSIDE:	INSIDE:	OUTSIDE: <u>X</u>	INSIDE:	OUTSIDE:
	REC. No. <u>944</u>		REC. No. <u>3119</u>		REC. No. _____	
	CAPACITY <u>5750</u>		CAPACITY <u>7000</u>		CAPACITY _____	
	DEPTH <u>6463</u>		DEPTH <u>6472</u>		DEPTH _____	
INITIAL HYDRASTATIC -	1. <u>3323</u>		1. <u>3396</u>			
PRE-FLOW -	2. <u>177</u>		2. <u>177</u>			
INITIAL SHUT-IN -	3. <u>2558</u>		3. <u>2560</u>			
INITIAL FLOW -	4. <u>94</u>		4. <u>94</u>			
FINAL FLOW -	5. <u>46</u>		5. <u>44</u>			
FINAL SHUT-IN -	6. <u>2342</u>		6. <u>2342</u>			
FINAL HYDRASTATIC -	7. <u>3352</u>		7. <u>3358</u>			

*REMARKS: Test Successful.

Socoyn Mobil Oil of Canada Limited
COMPANY

Socoyn Mobil Western Minerals E
Porcupine R YT K-56
WELL NAME AND NUMBER

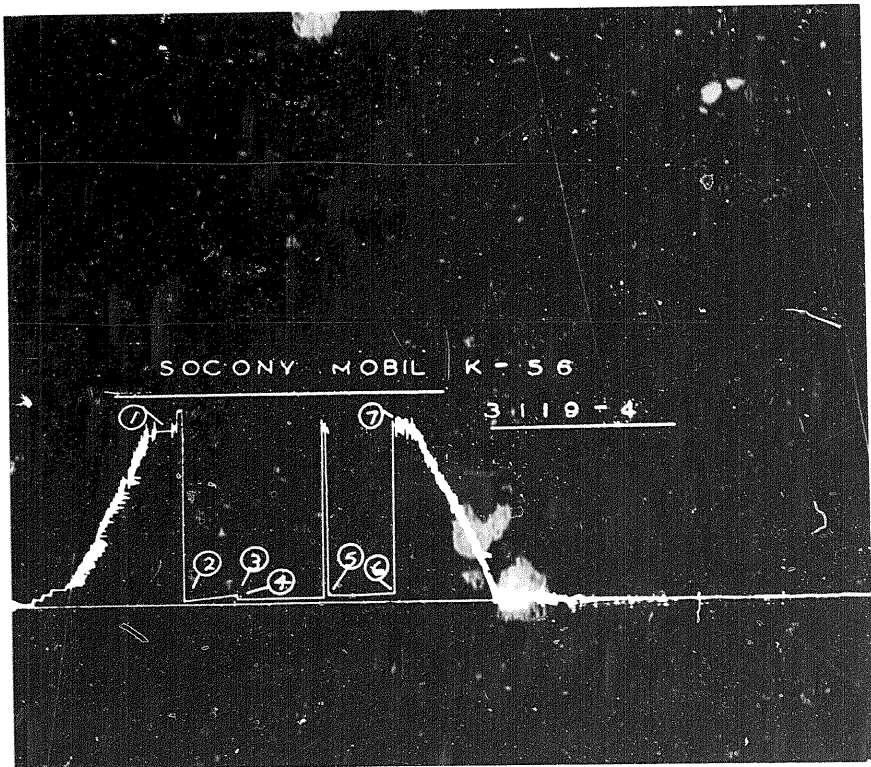
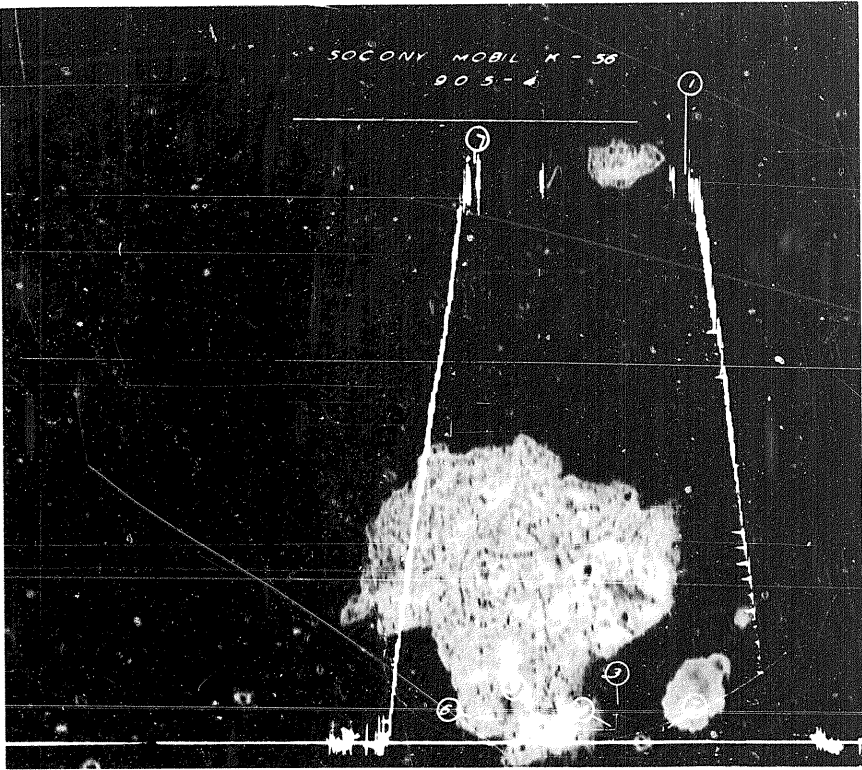
5
TEST No.

May 22, 1963
DATE

LYNES UNITED SERVICES LTD.

104 - 61st AVENUE S.E., SUB. P.O. 28, CALGARY, ALBERTA

SERVICE REPORT



SOCONY MOBIL K-56

SOCONY MOBIL K-56

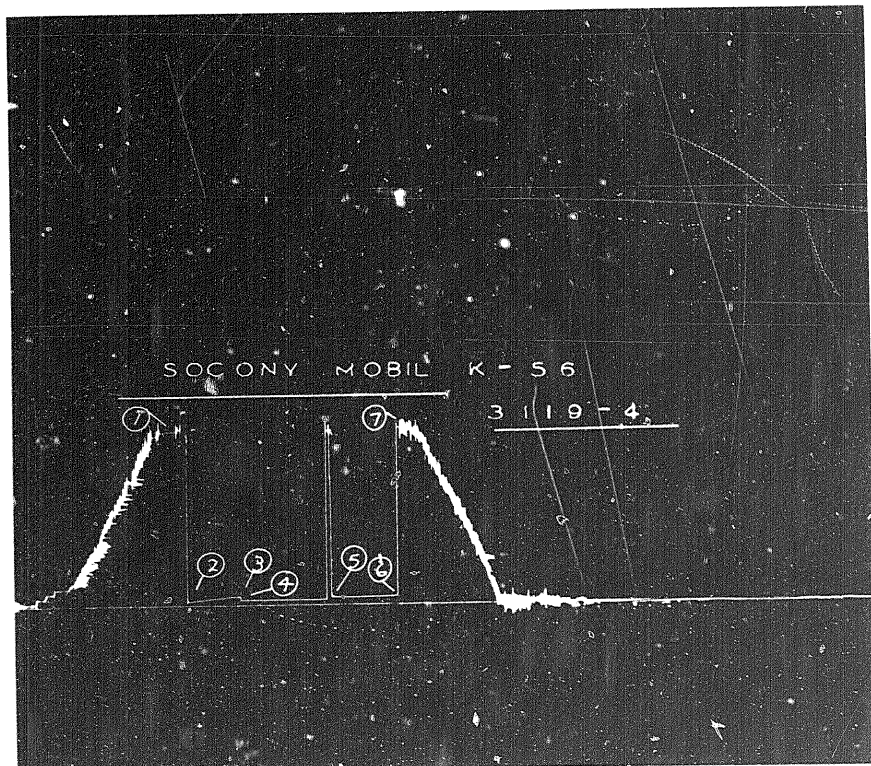
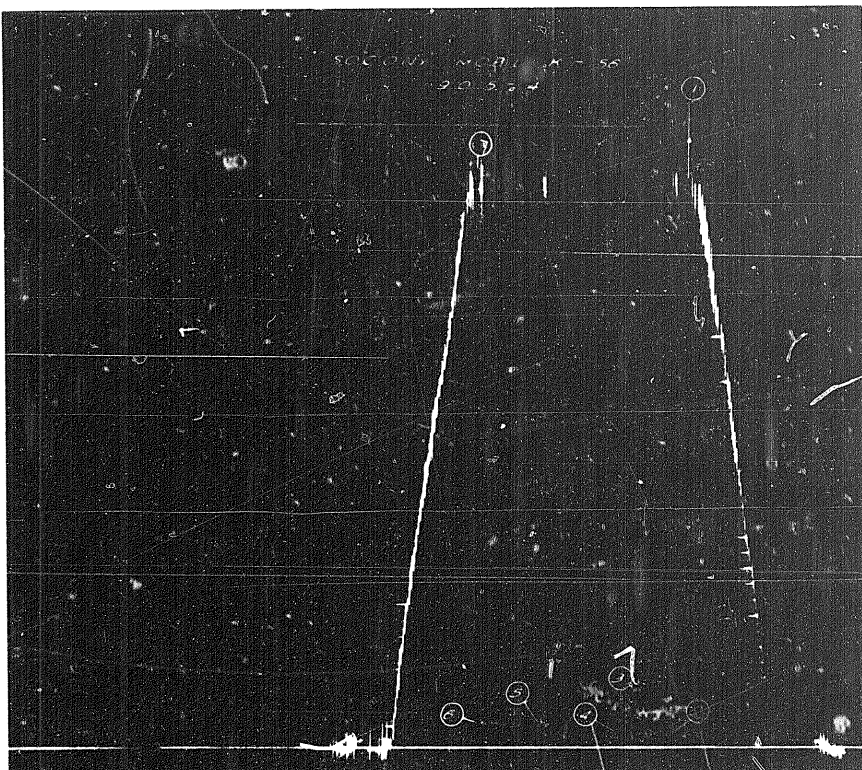
SOCONY MOBIL K-56

Socony Mobil Oil of Canada Limited
ONTARIO

Socony Mobil Western Minerals E
Porcupine R. YR K-56
WELL NAME AND NUMBER

4
TEST No.

April 24, 1963
DATE



LYNES UNITED SERVICES LTD.

104 - 61 Avenue S.E.
(Sub. P.O. 28)
 CALGARY, ALBERTA

Phone: AL 5-8011

COMPANY: Socony Mobil Oil of Canada FORMATION _____ TICKET No.: 1122

WELL LOCATION: Socony Mobil Western Minerals E AREA: Eagle Plain
Porcupine R YT K-56

TEST No.: Four DATE: April 24, 1963 INTERVAL: 3401 - 3449 TOTAL DEPTH: 3449

KB ELEVATION: _____ TYPE OF TEST: Bottom Hole

MAIN HOLE SIZE: 8 5/8 RAT HOLE SIZE: _____ CUSHION: _____ TEMPERATURE: _____

MUD WEIGHT: 9.9 VISCOSITY: 68 WATER LOSS: 4.2 DRILL PIPE SIZE: 5

PRE-FLOW PERIOD: _____ DRILL COLLARS: 435.15 FT.

INITIAL SHUT-IN PERIOD: 30 minutes DRILL COLLARS, I.D. _____ O.D. _____

FLOW PERIOD: 60 minutes BOTTOM HOLE CHOKE SIZE: _____

FINAL SHUT-IN PERIOD: 30 minutes PACKER RUBBER SIZE: _____

BLOW: Weak initial puff. Very weak air blow. Dead after 8 minute flow.

Reset packer after valve open 40 minutes; left valve open 10 minutes after reset.
Weak air blow, dead after 8 minutes.

RECOVERY: 15 Feet Drilling Mud.

PRESSURE READINGS:	INSIDE: <u>X</u>	OUTSIDE: _____	INSIDE: <u>X</u>	OUTSIDE: _____	INSIDE: _____	OUTSIDE: _____
	REC. No. <u>905</u>	REC. No. <u>3119</u>	CAPACITY: <u>2700</u>	CAPACITY: <u>7000</u>	DEPTH: <u>3439</u>	DEPTH: _____
INITIAL HYDRASTATIC	1. <u>1761</u>	1. <u>1764</u>	1. _____	1. _____	1. _____	1. _____
PRE-FLOW	2. <u>39</u>	2. <u>42</u>	2. _____	2. _____	2. _____	2. _____
INITIAL SHUT-IN	3. <u>92</u>	3. <u>94</u>	3. _____	3. _____	3. _____	3. _____
INITIAL FLOW	4. <u>43</u>	4. <u>47</u>	4. _____	4. _____	4. _____	4. _____
FINAL FLOW	5. <u>70</u>	5. <u>71</u>	5. _____	5. _____	5. _____	5. _____
FINAL SHUT-IN	6. <u>80</u>	6. <u>83</u>	6. _____	6. _____	6. _____	6. _____
FINAL HYDRASTATIC	7. <u>1754</u>	7. <u>1756</u>	7. _____	7. _____	7. _____	7. _____

*REMARKS: Test Successful.

Socoony Mobil Oil of Canada Limited
COMPANY

Socoony Mobil Western Minerals E
Parcupline R Yr K-56
WELL NAME AND NUMBER

4
TEST No.

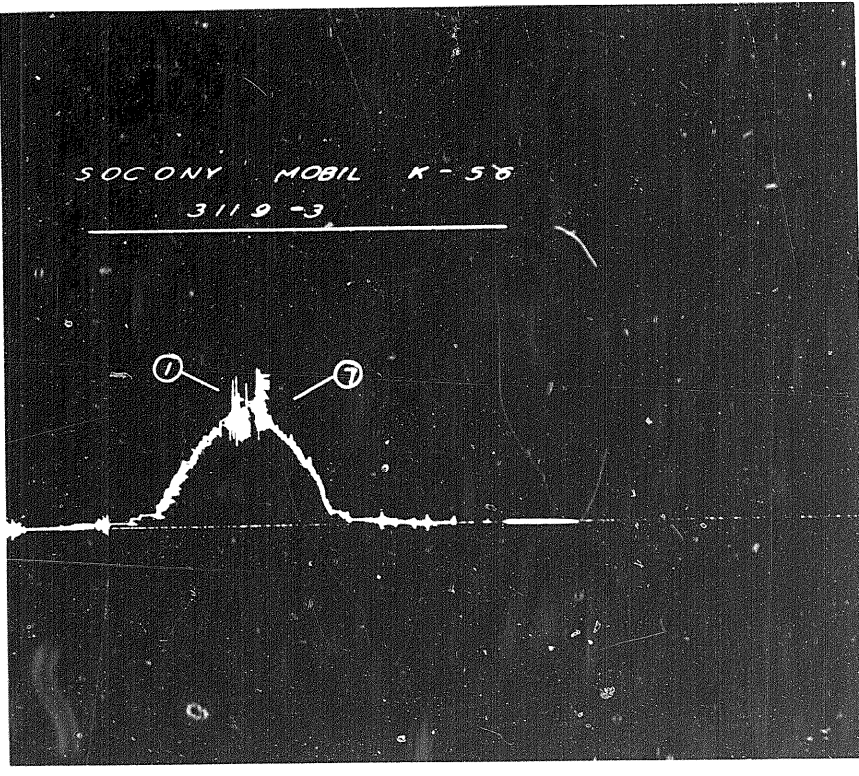
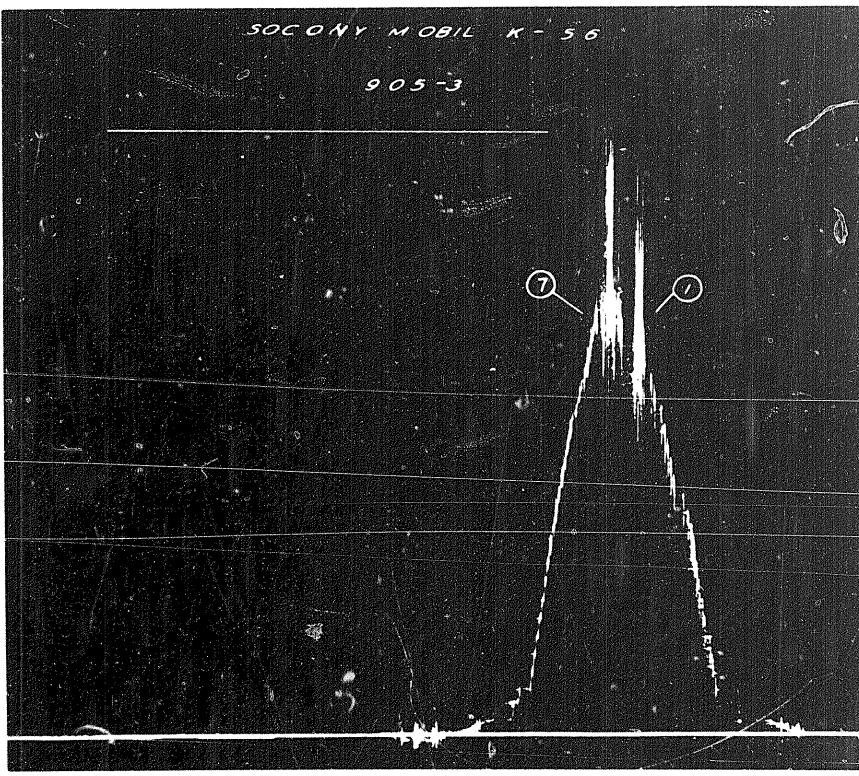
April 24, 1963
DATE

LYNES UNITED SERVICES LTD.

104 - 61st AVENUE S.E., SUB. P.O. 28, CALGARY, ALBERTA

SERVICE REPORT

SOCONY MOBIL WESTERN MARINE'S FUEL OIL
P. 1000
1950

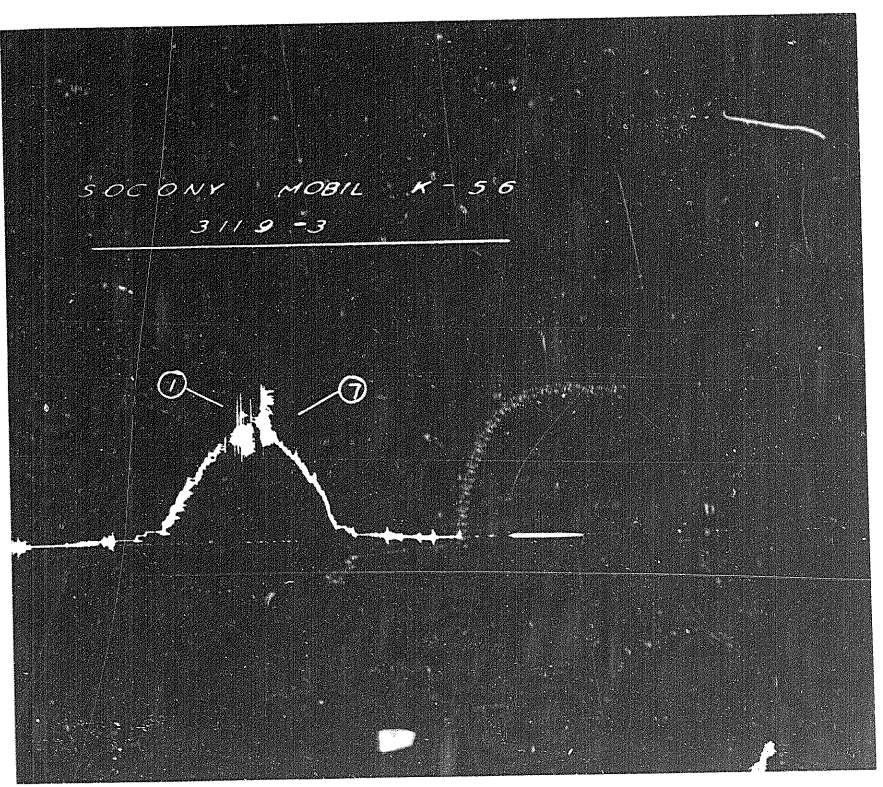
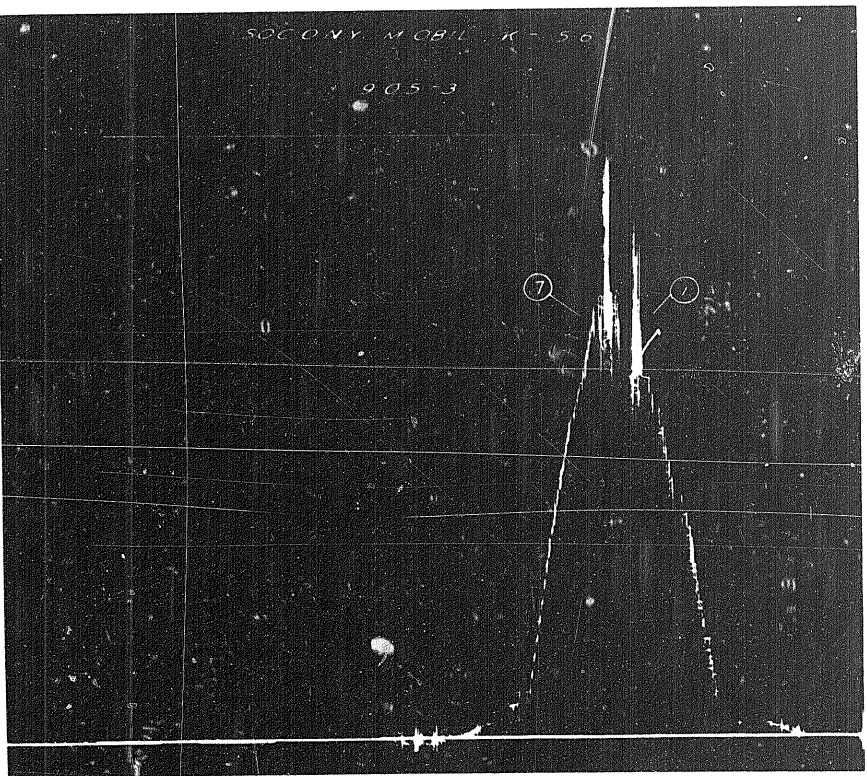


Socony Mobil Oil of Canada Limited
COMPANY

Socony Mobil Western Minerals E
Porcupine R YF K-56
WELL NAME AND NUMBER

3
TEST No.

April 17, 1963
DATE



LYNES UNITED SERVICES LTD.

104 - 61 Avenue S.E.
(Sub. P.O. 78)
 CALGARY, ALBERTA

Phone: AL 5-8011

COMPANY: Socony Mobil Oil of Canada FORMATION: _____ TICKET No.: 1121

WELL LOCATION: Socony Mobil Western Minerals E AREA: Eagle Plain
Porcupine R YT K-56

TEST No.: Three DATE: April 17, 1963 INTERVAL: 2413 - 2476 TOTAL DEPTH: 2476

KB ELEVATION: _____ TYPE OF TEST: Bottom Hole

MAIN HOLE SIZE: 8 5/8 RAT HOLE SIZE: _____ CUSHION: _____ TEMPERATURE: _____

MUD WEIGHT: 9.5 VISCOSITY: 58 WATER LOSS: 4.5 DRILL PIPE SIZE: 4 1/2 XH

PRE-FLOW PERIOD: _____ DRILL COLLARS: 4 1/2 H 90

INITIAL SHUT-IN PERIOD: _____ DRILL COLLARS I.D. _____ O.D. _____

FLOW PERIOD: _____ BOTTOM HOLE CHOKE SIZE: _____

FINAL SHUT-IN PERIOD: _____ PACKER RUBBER SIZE _____

BLOW: Misrun. Could not get to bottom with packer 450' off.

RECOVERY: _____

PRESSURE READINGS:	INSIDE: <u>X</u> OUTSIDE: _____	INSIDE: <u>X</u> OUTSIDE: _____	INSIDE: _____ OUTSIDE: _____
	REC. No. <u>905</u>	REC. No. <u>3119</u>	REC. No. _____
	CAPACITY: <u>2700</u>	CAPACITY: <u>7100</u>	CAPACITY: _____
	DEPTH: _____	DEPTH: _____	DEPTH: _____
INITIAL HYDRASTATIC -	1. <u>1045</u>	1. <u>1050</u>	1. _____
PRE-FLOW -	2. _____	2. _____	2. _____
INITIAL SHUT-IN -	3. <u>6</u>	3. _____	3. _____
INITIAL FLOW -	4. _____	4. _____	4. _____
FINAL FLOW -	5. _____	5. _____	5. _____
FINAL SHUT-IN -	6. _____	6. _____	6. _____
FINAL HYDRASTATIC -	7. <u>1045</u>	7. <u>1050</u>	7. _____

*REMARKS: Misrun. Not Successful.

Socoony Mobil Oil of Canada Limited
COMPANY

Socoony Mobil Western Minerals E
Porcupine R Yt K-56
WELL NAME AND NUMBER

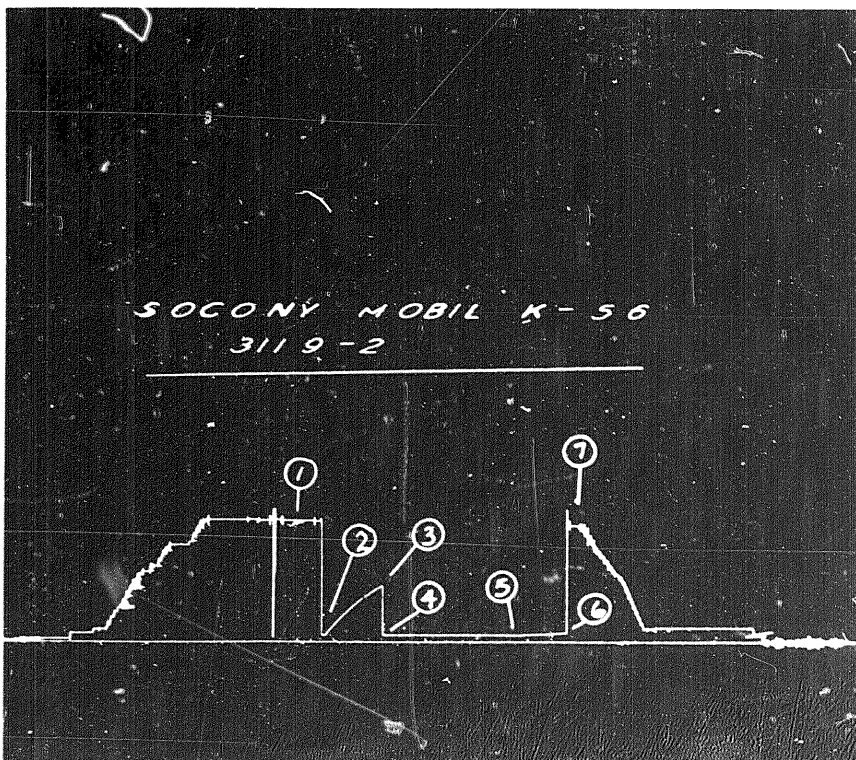
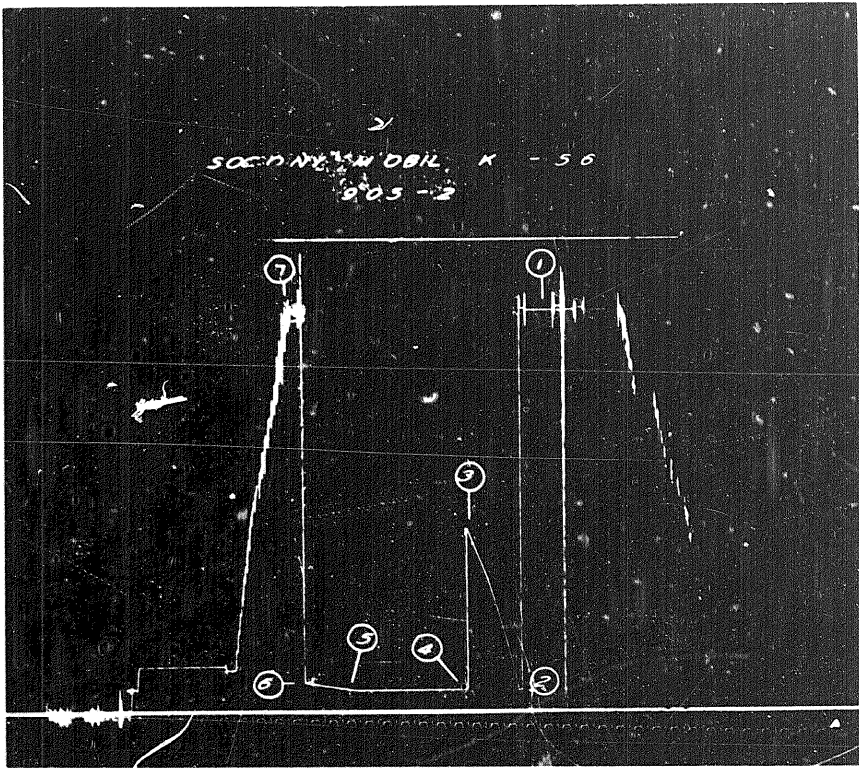
3
TEST No.

April 17, 1963
DATE

LYNES UNITED SERVICES LTD.

104 - 61st AVENUE S.E. SUB. P.O. 28, CALGARY, ALBERTA

SERVICE REPORT



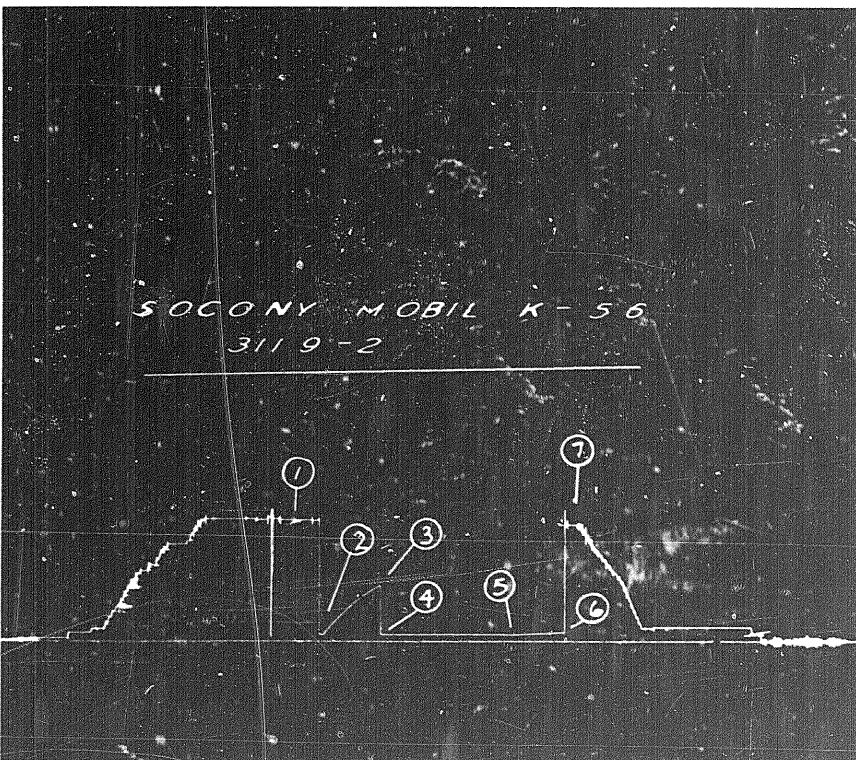
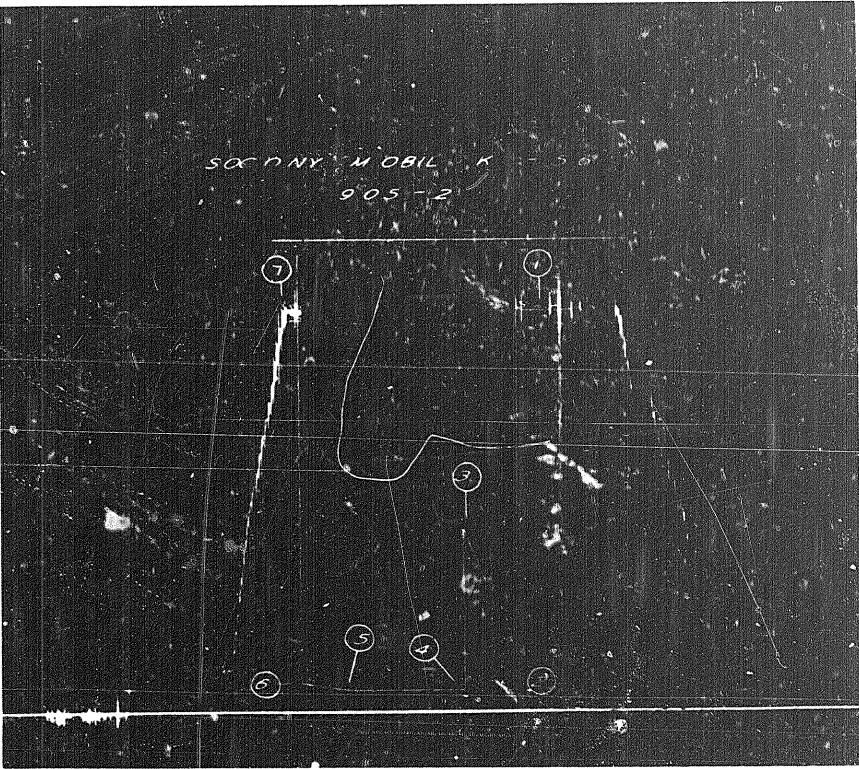
SOCONY MOBIL K-56
 Petroleum Products Division
 April 11, 1961

Socony Mobil Oil of Canada Limited
COMPANY

Socony Mobil Western Minerals E
Porcupine R YT K-56
WELL NAME AND NUMBER

TEST No. 2

April 61, 1963
DATE



LYNES UNITED SERVICES LTD.

104 - 51 Avenue S.E.
Sub. P.O. 781
CALGARY, ALBERTA

Phone: AL 5-8011

COMPANY: Socony Mobil Oil of Canada FORMATION: _____ TICKET No.: 1119

WELL LOCATION: Socony Mobil Western Minerals E AREA: Eagle Plain
Porcupine R YT K-56

TEST No.: Two DATE: April 16, 1963 INTERVAL: 2040 - 2136 TOTAL DEPTH: 2136

KB ELEVATION: _____ TYPE OF TEST: Bottom Hole

MAIN HOLE SIZE: 8 5/8 RAT HOLE SIZE: _____ CUSHION: _____ TEMPERATURE: _____

MUD WEIGHT: 9.9 VISCOSITY: 75 WATER LOSS: _____ DRILL PIPE SIZE: 4 1/2 XH

PRE-FLOW PERIOD: _____ DRILL COLLARS: 155.86 - 4 1/2 H90 FT.

INITIAL SHUT-IN PERIOD: 30 minutes DRILL COLLARS I.D. _____ O.D. _____

FLOW PERIOD: 60 minutes BOTTOM HOLE CHOKE SIZE: _____

FINAL SHUT-IN PERIOD: 30 minutes PACKER RUBBER SIZE: _____

BLOW: Weak initial puff. Weak air blow dying after 10 minutes.

RECOVERY: 15 Feet Drilling Mud.

PRESSURE READINGS:	INSIDE: <u>X</u> OUTSIDE: _____	INSIDE: <u>X</u> OUTSIDE: _____	INSIDE: <u>X</u> OUTSIDE: _____
	REC. No. <u>UTL #6</u>	REC. No. <u>905</u>	REC. No. <u>3119</u>
	CAPACITY <u>3000</u>	CAPACITY <u>2700</u>	CAPACITY <u>7100</u>
	DEPTH <u>2027</u>	DEPTH <u>2063</u>	DEPTH <u>2072</u>
INITIAL HYDRASTATIC -	1. _____	1. <u>1064</u>	1. <u>1068</u>
PRE-FLOW -	2. <u>Recorder</u>	2. <u>51</u>	2. <u>53</u>
INITIAL SHUT-IN -	3. <u>Jammed.</u>	3. <u>477</u>	3. <u>479</u>
INITIAL FLOW -	4. _____	4. <u>54</u>	4. <u>56</u>
FINAL FLOW -	5. _____	5. <u>56</u>	5. <u>59</u>
FINAL SHUT-IN -	6. _____	6. <u>75</u>	6. <u>77</u>
FINAL HYDRASTATIC -	7. _____	7. <u>1064</u>	7. <u>1068</u>

*REMARKS: Test Successful.

Socoony Mobil Oil of Canada Limited
COMPANY

Socoony Mobil Western Minerals E
Porcupine R YT K-56
WELL NAME AND NUMBER

TEST No. 2

April 61, 1963
DATE

LYNES UNITED SERVICES LTD.

104 - 61st AVENUE S.E., SUB. P.O. 28, CALGARY, ALBERTA

SERVICE REPORT

Socony Mobil Oil of Canada Limited
100 King Street West
Toronto, Ontario

Socony Mobil Western Minerals E
P.O. Box 100
Perth, Ontario
K1H 1A1

THIS DOCUMENT IS THE PROPERTY OF
SOCOY MOBIL OIL OF CANADA LIMITED
APRIL 2, 1964

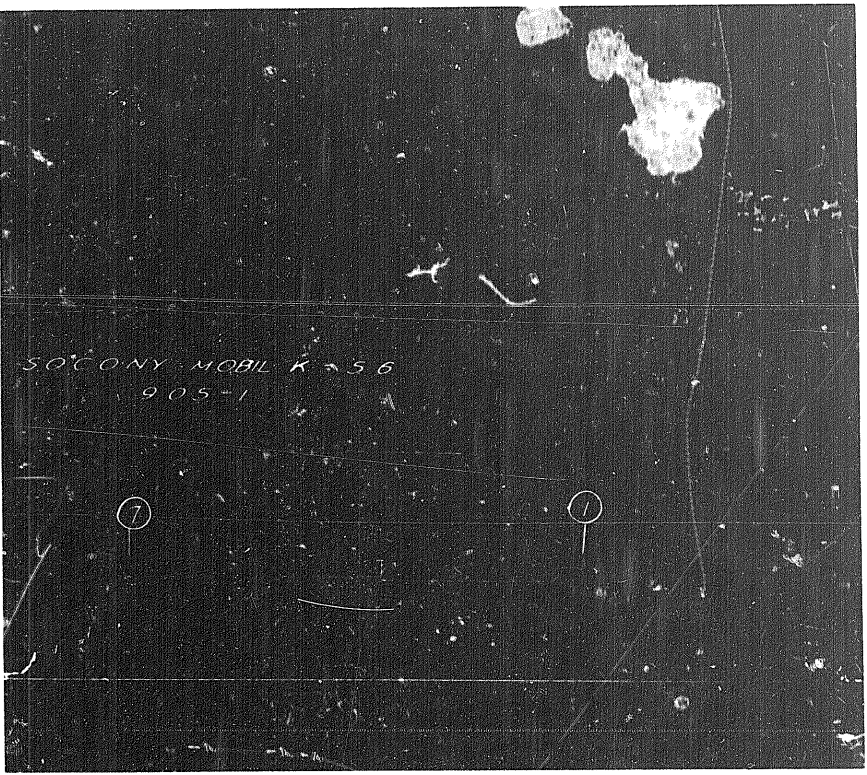


Socoony Mobil Oil of Canada Limited
COMPANY

Socoony Mobil Western Minerals E
Porcupine R YT K-56
WELL NAME AND NUMBER

1
TEST No.

April 4, 1963
DATE



LYNES UNITED SERVICES LTD.

104 - 61 Avenue S.E.

(SUD. P.O. 28)

CALGARY, ALBERTA

Phone: AL 5-8011

COMPANY: Socony Mobil Oil of Canada FORMATION: _____ TICKET No. 1118

WELL LOCATION: Socony Mobil Western Minerals E AREA: Eagle Plain

Porcupine R YT K-56- 957

TEST No. One DATE: April 4, 1963 INTERVAL: 927-939-957 TOTAL DEPTH: 939

KB ELEVATION: _____ TYPE OF TEST: Bottom Hole

MAIN HOLE SIZE: 8 5/8 RAT HOLE SIZE: _____ CUSHION: _____ TEMPERATURE: _____

MUD WEIGHT: 9.5 VISCOSITY: 54 WATER LOSS: _____ DRILL PIPE SIZE: 4 1/2 IF

PRE-FLOW PERIOD: _____ DRILL COLLARS: _____ FT.

INITIAL SHUT-IN PERIOD: 30 minutes DRILL COLLARS, I.D. _____ O.D. _____

FLOW PERIOD: 70 minutes BOTTOM HOLE CHOKE SIZE: _____

FINAL SHUT-IN PERIOD: 60 minutes PACKER RUBBER SIZE: _____

BLOW: Weak initial puff. Valve open - no blow. Reset tool. Weak blow for 3
minutes.

RECOVERY: 4 feet Drill Mud.

PRESSURE READINGS:	INSIDE: <u>X</u>	OUTSIDE: _____	INSIDE: _____	OUTSIDE: <u>X</u>	INSIDE: _____	OUTSIDE: _____
	REC. No. <u>UTL #6</u>	REC. No. <u>905</u>	REC. No. _____	REC. No. _____	REC. No. _____	REC. No. _____
	CAPACITY. <u>3000</u>	CAPACITY. <u>2700</u>	CAPACITY. _____	CAPACITY. _____	CAPACITY. _____	CAPACITY. _____
	DEPTH. <u>932</u>	DEPTH. <u>947</u>	DEPTH. _____	DEPTH. _____	DEPTH. _____	DEPTH. _____
INITIAL HYDRASTATIC -	1. _____	1. <u>321</u>	1. _____	1. _____	1. _____	1. _____
PRE-FLOW -	2. <u>Clock</u>	2. _____	2. _____	2. _____	2. _____	2. _____
INITIAL SHUT-IN -	3. <u>Stopped</u>	3. _____	3. _____	3. _____	3. _____	3. _____
INITIAL FLOW -	4. _____	4. _____	4. _____	4. _____	4. _____	4. _____
FINAL FLOW -	5. _____	5. _____	5. _____	5. _____	5. _____	5. _____
FINAL SHUT-IN -	6. _____	6. _____	6. _____	6. _____	6. _____	6. _____
FINAL HYDRASTATIC -	7. _____	7. <u>295</u>	7. _____	7. _____	7. _____	7. _____

*REMARKS: Misrun.

Socoony Mobil Oil of Canada Limited
COMPANY

Socoony Mobil Western Minerals E
Porcupine R Yt K-56
WELL NAME AND NUMBER

1
TEST No.

April 4, 1963
DATE

LYNES UNITED SERVICES LTD.

104 - 61st AVENUE S.E., SUB. P.O. 28, CALGARY, ALBERTA

SERVICE REPORT

WELL HISTORY REPORT

July 21, 1963 Plug #1 5995 - 5845 (Alder Formation) 106sx Const.
cement (tagged after 8 hrs. at 5858).
July 22, 1963 Plug #2 3460 - 3360 (Blacky Sand) 67 sx Const.
cement + 2% CaCl₂ (tagged after 8 hrs. at 3345).
July 22, 1963 Plug #3 1025 - 925 (Surface Casing) 65 sx Const.
cement + 2% CaCl₂ (tagged at 905' after 8 hrs.)
July 23, 1963 Plug #4 Surface: 5 sx Const. cement. welded 3/8 cap
over 10 3/4" casing.

(d) Nil

(e) Nil

J. W. Rogers

J. W. Rogers/sk
August 12, 1963.

WELL HISTORY REPORT

<u>Depth</u> <u>(FT)</u>	<u>Survey</u> <u>(Degrees)</u>	<u>Depth</u>	<u>Survey</u>	<u>Depth</u>	<u>Survey</u>
901	3/4	6319	1		
925	3/4	6390	1		
998	3/4	6590	1½		
1030	3/4	6728	2		
1061	1	6789	2		
1150	1	6860	2½		
1214	1	6890	2¾		
1295	1½	6966	2¾		
1430	1½	7133	2¾		
1521	1½	7295	2¾		

- (f) 5995 - 5845 Plug #1 - 106 sx Construction Cement
- 3460 - 3360 Plug #2 - 67 sx Construction Cement
- 1025 - 925 Plug #3 - 65 sx Construction Cement
- Surface Plug Plug #4 - 5 sx Construction Cement

(g) No Lost Circulation Zones

(h) Nil

SECTION IV:

<u>Type</u>	<u>Interval</u>	<u>Date</u>
MLC	8211 - 979	July 14/63
SGRC	8204 - 979	July 14/63
IES	8492 - 979	July 14/63
GRN	8488 - 50	July 16/63
Density	8494 - 3280	July 19/63
CDM	8500 - 500	July 15/63
Velocity Survey	8486 - 979	July 17/63

SECTION V:

No core, water, gas or oil analyses were determined.

SECTION VI:

- (a) Nil
- (b) Nil
- (c) The following abandonment plugs were run:

MOBIL OIL OF CANADA, LTD.

BIT RECORD

Well SOLWAY MOBIL WESTERN MINERALS E. R. R. WIND R YTK 56
 Date Spudded MARCH 26TH 1963
 Area _____ Date Completed JULY 23RD 1963

WIPER DATE	BIT No.	BIT SIZE	TYPE	SERIAL No.	JET SIZE	DEPTH		FOOT AGE	TIME HRS.	ACCUMU	ACCUMU	CONDITION	REMARKS
						FROM	TO			LATED DRILLING TIME	LATED REAMING TIME		
HUGHES	82	8 7/8	CWC	10702		7576	7575	20	8 3/4				
REED	83	8 7/8	YHWG	415374		7575	7588	13	6 3/4				
REED	84	8 7/8	RG1XJ	41232		7588	7694	106	38 1/4				
REED	85	8 7/8	RRG1J	69187		7694	7758	64	26 1/4				
REED	86	8 7/8	RG7XJ	35275		7758	7786	28	18				
REED	87	8 7/8	YHWG	D17047		7786	7796	10	4 1/2				
HUGHES	88	8 7/8	RG1J	82101		7796	7868	72	30				
HUGHES	89	8 7/8	RRG1J	63548		7868	7880	12	11 3/4				
REED	90	8 7/8	YHWG	121306		7880	7901	21	11 3/4				
HUGHES	91	8 7/8	RG1J	82098		7901	7960	59	31 1/4				
KOEBEL	92	6 7/8	4-SMR	2634		7960	7965	5	5 1/2				
HUGHES	93	8 7/8	RG1J	82100		7965	8011	46	28				
REED	94	8 7/8	YCG	N13413		8011	8032	21	17 3/4				
REED	95	8 7/8	HWG	D15137		8032	8085	53	22 1/4				
REED	96	8 7/8	YHWG	E13276		8085	8109	24	11 3/4				
REED	97	8 7/8	YCG	N13415		8109	8153	44	32 1/2				
REED	98	8 7/8	YHWG	E13272		8153	8251	98	24				
REED	99	8 7/8	HWG	E33050		8251	8353	102	31				
REED	100	8 7/8	HWG	121054		8353	8417	64	22 1/2				
HUGHES	101	8 7/8	W7R	74631		8417	8432	15	8 1/4				
REED	102	8 7/8	HWG	D17073		8432	8457	25	12				
HUGHES	103	8 7/8	RG1J	82288		8457	8500	43	19 3/4				
HUGHES	104	8 7/8	W1	U85521		8500					CLEANING OUT		
HUGHES	105	8 7/8	W7R	5113		8500					CLEANING OUT		

MOBIL OIL OF CANADA, LTD.

BIT RECORD

Well McCoy/Mobil Western Minerals E Redupine R YTK-56
 Date Spudded MARCH 26th 1963
 Date Completed JULY 23rd 1963
 Area _____

WELL DATE	BIT No.	BIT SIZE	TYPE	SERIAL No.	JET SIZE	DEPTH		FOOT AGE	TIME HRS.	ACCUMULATED	ACCUMULATED	CONDITION	REMARKS
						FROM	TO			DRILLING TIME	REAMING TIME		
HUGHES	55	8 3/8	RG1J	62785		5980	6067	78	25				
HUGHES	56	8 3/8	RG7X-J	35267		6067	6140	73	25				
REED	57	8 3/8	YHWG	121378		6140	6154	14	2 1/2				
HUGHES	58	8 3/8	RG1J	62787		6154	6206	52	2 1/4				
HUGHES	59	8 3/8	RG1J	62783		6206	6265	59	2 3/4				
HUGHES	60	8 3/8	RG1J	58372		6265	6310	54	23				
HUGHES	61	8 3/8	RG1J	69187		6310	6390	71	24 1/2				
HUGHES	62	8 3/8	RG7X-J	35266		6390	6397	7	6				
HUGHES	63	8 3/8	WTR	5106		6397	6473	76	19 1/4				
SECURITY	64	8 3/8	MAL	656884		6473	6544	64	8				
HUGHES	65	8 3/8	OWN	18115		6544	6590	46	9				
REED	66	8 3/8	YHWG	33049		6590	6603	13	4 1/2				
REED	67	8 3/8	YCG	301836		6603	6728	125	51 1/2				
HUGHES	68	8 3/8	RG1J	43621		6728	6789	61	32				
REED	69	8 3/8	YHWG	17046		6789	6807	18	6 1/2				
HUGHES	70	8 3/8	WTR	38403		6807	6860	53	22 1/2				
HUGHES	71	8 3/8	OWN	19811		6860	6890	30	13				
HUGHES	72	8 3/8	RG1J	43620		6890	6966	76	25				
HUGHES	73	8 3/8	RG1XJ	41231		6966	7133	167	55 3/4				
HUGHES	74	8 3/8	WTR	74633		7133	7144	11	7 3/4				
HUGHES	75	8 3/8	RG1J	38367		7144	7225	81	32 3/4				
HUGHES	76	8 3/8	RG1J	69184		7225	7237	12	1				Would Not Ream - Run # 77
SECURITY	77	8 3/8	H7	702014		7237	7295	58	24				
HUGHES	78	8 3/8	RG1J	69184		7295	7429	134	44 1/2				
HUGHES	79	8 3/8	RG1XJ	41229		7429	7505	76	30 1/4				
HUGHES	80	8 3/8	RRG1J	69190		7505	7526	21	19				
HUGHES	81	8 3/8	RG1XJ	41232		7526							

MOBIL OIL OF CANADA, LTD.

BIT RECORD

Well SOCONY MOBIL WESTERN MINERALS E PERUPINE R VTK-56 Date Spudded MARCH 26TH 1963Area _____ Date Completed JULY 23RD 1963

MAKE DATE	BIT No.	BIT SIZE	TYPE	SERIAL No.	JET SIZE	DEPTH		FOOT AGE	TIME HRS	ACCU- MULATED DRILLING TIME	ACCU- MULATED REAMING TIME	CONDITION	REMARKS
						FROM	TO						
HUGHES	28	8 7/8	W7	17059		3173	3229	56	7 1/4				
REED	29	8 7/8	YM	011528		3229	3296	67	6 3/4				
HUGHES	30	8 7/8	W7	67174		3296	3357	61	11				
HUGHES	31	8 7/8	W7	42598		3357	3433	76	11 3/4				
REED	32	8 7/8	YM	N 96113		3433	3449	16	2 1/4				
REED	33	8 7/8	YHWG	415370		3449	3520	71	13 1/4				
REED	34	8 7/8	YHWG	415373		3520	3572	52	11 1/2				
REED	35	8 7/8	YHWG	415371		3572	3630	58	10 3/4				
REED	36	8 7/8	YHWG	121307		3630	3646	16	3 1/4				
REED	37	8 7/8	YHWG	1217077		3646	3687	41	8 3/4				
HUGHES	38	8 7/8	W7R	57199		3687	3758	71	8 3/4				
REED	39	8 7/8	YHWG	E33049		3758	3815	57	5 1/2				
SECURITY	40	8 7/8	MAN	462887		3815	3896	81	12				
SECURITY	41	8 7/8	MAN	466915		3896	4034	138	16				
HUGHES	42	8 7/8	OWV	6227		4034	4360	326	16 1/2				
HUGHES	43	8 7/8	OWV	50550		4360	4718	358	20 1/4				
SECURITY	44	8 7/8	MAN	371170		4718	4805	87	13 1/2				
HUGHES	45	8 7/8	OWC	25963		4805	4928	123	21 1/4				
HUGHES	46	8 7/8	OWV	50113		4928	5106	178	21 3/4				
SECURITY	47	8 7/8	MAL	466823		5106	5224	118	16 1/2				
HUGHES	48	8 7/8	OWC	19788		5224	5324	100	16 1/4				
HUGHES	49	8 7/8	OWV	44468		5324	5332	208	24 1/4				
SECURITY	50	8 7/8	SL	107156		5332	5373	141	11				
HUGHES	51	8 7/8	OWV	50547		5373	5540	167	17 1/2				
HUGHES	52	8 7/8	OWV	26374		5540	5598	58	6				
HUGHES	53	8 7/8	RGLJ	62777		5598	5978	80	25 1/4				
HUGHES	54	8 7/8	W7	17051		5978	5989	11	3 3/4				

DISTRIBUTION: WHITE - TO CALGARY OFFICE: YELLOW - TO FIELD OFFICE BLUE - FOR FILE

4(a)

3-36

MOBIL OIL OF CANADA, LTD.

BIT RECORD

Well SECUNY MOBIL WESTERN MINERALS E RECEIVING R YR K-26
 Date Spudded MARCH 26TH 1963
 Area _____ Date Completed JULY 23RD 1963

MAKE DWAPE	BIT No.	BIT SIZE	TYPE	SERIAL No.	JET SIZE	DEPTH		FOOT AGE	TIME HRS.	ACCU- MULATED DRILLING TIME	ACCU- MULATED REAMING TIME	CONDITION	REMARKS
						FROM	TO						
HUGHES	1	8 $\frac{3}{8}$	OS	23757		0	231	231	20 $\frac{1}{4}$				
HUGHES	2	8 $\frac{3}{8}$	W7	45305		231	492	261	27 $\frac{1}{4}$				
CP	3	15	PILOT	175		0	218	218	7 $\frac{1}{4}$				
CP	4	24	PILOT	-		0	75	75	4 $\frac{1}{2}$				
SECURITY	5	8 $\frac{3}{8}$	S3	421800		492	775	283	20 $\frac{1}{2}$				
SECURITY	6	8 $\frac{3}{8}$	S3	425285		775	941	166	13 $\frac{1}{2}$				
REED	7	8 $\frac{3}{8}$	Y11A-P	012887		941	1080	139	14 $\frac{3}{4}$				
CP	8	15	PILOT	275		0	218	218	5 $\frac{1}{4}$				
CP	9	15	PILOT	252		218	570	322	14 $\frac{3}{4}$				
CP	10	15	PILOT	195		570	605	65	3				
CP	11	12 $\frac{1}{4}$	PILOT	303		570	776	236	9 $\frac{1}{4}$				
CP	12	12 $\frac{1}{4}$	PILOT	1291		776	970	194	12 $\frac{1}{4}$				
CP	13	15	PILOT	252		558	838	280	7 $\frac{1}{2}$				
CP	14	15	PILOT	195		838	962	124	5 $\frac{1}{4}$				
CP	15	15	PILOT	295		962	977	15	1 $\frac{3}{4}$				
REED	16	8 $\frac{3}{8}$	Y11A	E33073		1080	1330	250	10 $\frac{1}{4}$				
REED	17	8 $\frac{3}{8}$	Y11A	E33074		1330	1537	207	10				
REED	18	8 $\frac{3}{8}$	Y11A	E33075		1537	1728	191	7 $\frac{3}{4}$				
SECURITY	19	8 $\frac{3}{8}$	S4	589244		1728	1906	178	7 $\frac{1}{2}$				
SECURITY	20	8 $\frac{3}{8}$	S6	18047		1906	2087	181	11 $\frac{1}{2}$				
HUGHES	21	8 $\frac{3}{8}$	OS	23769		2087	2277	190	8 $\frac{1}{4}$				
SECURITY	22	8 $\frac{3}{8}$	M4N	465286		2277	2476	199	8 $\frac{3}{4}$				
HUGHES	23	8 $\frac{3}{8}$	UNV	50116		2416	2730	294	15 $\frac{1}{2}$				
HUGHES	24	8 $\frac{3}{8}$	UNV	50119		2730	2885	155	9 $\frac{1}{2}$				
SECURITY	25	8 $\frac{3}{8}$	M4N	371273		2885	2971	86	7 $\frac{1}{4}$				
HUGHES	26	8 $\frac{3}{8}$	W7	69470		2971	3038	67	7				
HUGHES	27	8 $\frac{3}{8}$	W7	69478		3038	3173	135	10				

DISTRIBUTION: WHITE - TO CALGARY OFFICE; YELLOW - TO FIELD OFFICE; BLUE - FOR FILE

WELL HISTORY REPORT

(b) Conductor Casing: 4 Jts 18" lap welded casing set at 73.10' KB with 106 sz construction cement (14 p.p.t.) + 4% CaCl₂.

Surface Casings: 30 Jts 10 3/4" J-55 40.98' hgt 2 casing set at 777.16' KB with 750 sz construction cement (15.2 ppg) + 2% CaCl₂.

(c) See Attached sheet.

(d) The hole was drilled entirely with a water base mud, the following additives being used to maintain the requisite properties:

<u>Chemical</u>	<u>Amount (Lbs)</u>
Gel.	124,150
Barite	23,900
Bi-Carb	375
Caustic	4,900
Cellax	1,775
Dextrid	2,425
QBroxin	15,850
Tannex	400
Ben-M	6

(e) Depth (FT)	Survey (degrees)	Depth	Survey	Depth	Survey
90'	1/8	1677	1 1/2	7629	2 1/2
124'	3/4	1853	1 1/2	7546	2 1/2
187'	1/2	2015	1 3/4	7594	2 1/2
217'	3/4	2209	1 1/2	7756	2 1/8
247'	1/2	2454	1 1/2	7965	2 1/8
280'	1/2	2710	1 3/4	8011	2
311'	1/2	2929	1 3/4	8109	2 1/2
343'	1/2	3098	1	8153	2 1/2
374'	1/2	3229	2	8353	3 1/2
405'	3/4	3357	2 1/2		
436'	1/2	3433	2 1/2		
467'	3/4	3520	2 1/2		
498'	3/4	3645	2 1/2		
525'	1/8	3687	2 1/2		
556'	1/2	3758	2		
588'	1/2	3890	2		
618'	1/2	4030	2		
650'	1/2	4710	2 1/2		
683'	1/2	4905	2 3/4		
713'	1/2	4925	3		
742'	1/2	5106	2 3/4		
775'	3/4	5220	2		
807'	1/2	5532	1 1/2		
838'	3/4	5840	1		
870'	3/4	5975	1		

SECTION III

(a) Drill Stem Tests:

<u>No.</u>	<u>Date</u>	<u>Formation</u>	<u>Interval</u>	<u>V.O.</u>	<u>ISI.</u>	<u>FSI.</u>	<u>ISIBHP</u>	<u>FSIBHP</u>	<u>IFBHP</u>	<u>FFBHP</u>	<u>IHP</u>	<u>FHP</u>	<u>Remarks</u>
1	April 5/63	Cody Creek	939 - 957	75	30	60	0	0	0	0	324 450	293 Q	Recovered 4' of mud. Recoring bombs malfunctioned but tool opened correctly giving successful test.
2	April 15/63	Cody Creek	2040 - 2136	60	30	30	477	77 73	56 53	59 53	1068 1065	1068	Recovered 15' of mud.
3	April 17/63	Cody Creek	2413 - 2476	-	-	-	-	-	-	-	-	-	Misrun
4	April 24/63	Blacky Sand	3401 - 3449	60	30	30	94 93	88 80	47 40	71 40	1764 1765	1756 1765	Recovered 15' of mud.
5	May 22/63	Alder	6450 - 6473	90	30	120	2558 2778	2342 2359	94 142	46 54	3393 3421	3352 3431	GTS immediately decreased to rate TSTM. No fluid recovery.

NOTE: See Appendix for DST Charts.

4890	6.3	69	9.88	4866.70	9.22	3.54	340.33	-3.88
5000	6.2	64	11.88	4976.05	10.68	5.21	351.01	1.32
5100	5.7	59	9.93	5075.56	8.51	5.12	359.52	6.44
5200	5.3	52	9.24	5175.13	7.28	5.69	366.80	12.13
5300	4.9	54	8.54	5274.77	6.91	5.02	373.71	17.15
5400	5.0	51	8.72	5374.39	6.77	5.48	380.49	22.63
5500	5.1	52	8.89	5473.90	7.00	5.47	387.49	28.10
5600	5.3	49	9.24	5573.56	6.97	6.06	394.46	34.16
5700	5.2	49	9.06	5673.15	6.84	5.95	401.30	40.11
5800	5.2	58	9.06	5772.74	7.69	4.80	408.99	44.91
5900	4.8	64	8.37	5872.30	7.52	3.67	416.51	48.58
6000	4.7	68	8.19	5972.05	7.60	3.07	424.11	51.65
6100	4.6	63	8.02	6071.73	7.15	3.64	431.25	55.20
6200	4.8	74	8.37	6171.38	8.04	2.31	439.30	57.60
6300	4.7	69	8.19	6271.04	7.65	2.94	446.95	60.54
6400	4.4	74	7.67	6370.75	7.37	2.11	454.32	62.65
6500	3.7	69	6.45	6470.54	6.02	2.31	460.35	64.06
6600	3.4	65	5.93	6570.36	5.37	2.51	465.72	67.47
6700	3.2	75	5.58	6670.21	5.39	1.44	471.11	68.91
6800	3.1	64	5.41	6770.06	4.86	2.37	475.97	71.28
6900	2.6	89	4.54	6869.96	4.54	.08	480.51	71.36
7000	2.7	89	4.71	6969.85	4.71	.08	485.22	71.45
7100	2.6	84	4.54	7069.75	4.51	.47	489.73	71.92
7200	2.5	76	4.36	7169.65	4.23	1.06	493.06	72.08
7300	2.9	69	5.06	7269.52	4.72	1.81	498.69	74.79
7400	3.3	74	5.76	7369.36	5.53	1.50	504.22	76.37
7500	2.5	104	4.36	7469.26	4.23	-1.06	508.15	75.32
7600	3.0	114	5.23	7569.12	4.78	-2.13	513.23	73.19
7700	3.8	129	6.63	7668.90	5.15	-4.17	518.38	69.02
7800	4.6	119	8.02	7768.52	7.01	-3.80	525.40	65.13
7900	6.0	106	10.45	7868.03	10.05	-2.88	535.44	62.25
8000	7.6	89	13.23	7967.16	13.22	.23	548.67	62.48
8100	8.5	106	14.78	8066.06	14.21	-4.07	562.88	58.41
8200	8.8	104	15.30	8164.88	14.84	-3.70	577.72	54.71
8300	8.7	89	15.13	8263.73	15.12	.26	592.84	54.97
8350	9.1	99	7.91	8313.10	7.81	-1.24	600.66	53.73
8400	10.9	99	9.45	8362.20	9.34	-1.48	609.99	52.25
8500	12.0	94	20.79	8460.01	20.74	-1.45	630.73	50.80
8550	13.4	80	11.59	8508.65	11.41	2.01	642.15	52.82
8600	14.6	84	12.60	8557.04	12.53	1.32	654.68	54.13
8650	15.7	76	13.53	8605.17	13.13	3.27	667.81	57.41
8720	17.5	75	21.05	8671.93	20.33	5.45	688.14	62.85

DRIFT DISTANCE= 691.00 FEET
AZM RE DRIFT = 84 DEGREES

SCALE= 90. FEET/IN.
YMAX= 688.00 XMIN= -5.00
YMAX= 76.00 YMIN= -66.00

GEODIGIT

NEXCO BTL COMPANY

NEXCOHUSKY ET AL PORCUPINE YT 631

ARCH 29/72

WELL FILE

SPARE COPY

DEPTH	TRUE		HORIZ FOOTAGE	TRUE		DEPART URE	LATITUDE		COORDINATES	
	ANGLE	BEARING		VERT DEPTH	E=+, W=-		N=+, S=-	E=+, W=-	N=+, S=-	
990	CSG	SHBE								
990	.0	0	.00	990.00	.00	.00	.00	.00	.00	.00
1100	1.3	230	2.50	1090.97	-1.91	-1.60	-1.91	-1.60		
1200	1.6	214	2.79	1190.93	-1.56	-2.31	-3.47	-3.92		
1300	1.9	199	3.32	1290.88	-1.08	-3.13	-4.55	-7.05		
1400	2.4	189	4.19	1390.70	-.66	-4.14	-5.21	-11.19		
1500	3.0	178	5.23	1490.65	.18	-5.23	-5.02	-16.42		
1600	3.7	169	6.45	1590.44	1.23	-6.33	-3.79	-22.75		
1700	4.4	158	7.67	1690.15	2.87	-7.11	-.92	-29.87		
1800	5.1	149	8.89	1798.75	4.58	-7.62	3.66	-37.40		
1900	5.2	149	9.06	1898.34	4.67	-7.77	8.33	-45.26		
2000	5.0	139	8.72	1997.96	5.72	-6.58	14.04	-51.83		
2100	4.7	128	8.19	2097.63	6.46	-5.04	20.50	-56.88		
2200	4.3	115	7.50	2197.34	6.80	-3.17	27.30	-60.05		
2300	4.2	104	7.32	2297.08	7.11	-1.77	34.40	-61.82		
2400	4.3	99	7.50	2396.70	7.41	-1.17	41.81	-62.00		
2500	5.0	97	8.72	2496.41	8.65	-1.06	50.46	-64.05		
2600	5.8	90	10.11	2595.90	9.98	-1.58	60.44	-65.64		
2700	5.5	95	9.58	2695.44	9.55	-.84	69.99	-66.47		
2800	5.3	80	9.24	2795.01	9.24	.16	79.22	-66.31		
2900	5.4	90	9.41	2894.57	9.41	-.00	88.63	-66.31		
3000	6.4	90	11.15	2993.95	11.15	-.00	99.78	-66.31		
3100	8.2	88	14.26	3092.92	14.25	.50	114.04	-65.81		
3200	9.5	83	16.50	3191.55	16.38	2.01	130.42	-63.80		
3300	9.3	65	16.16	3290.22	14.65	6.83	145.06	-56.97		
3400	8.8	67	15.30	3389.06	14.08	5.98	159.15	-50.00		
3500	8.8	74	15.30	3487.88	14.71	4.22	173.85	-46.78		
3600	8.3	78	14.44	3586.84	14.12	3.00	187.67	-43.78		
3700	8.1	83	14.09	3685.84	13.90	1.72	201.06	-42.06		
3800	7.9	94	13.74	3784.80	13.71	-.96	215.67	-43.02		
3900	7.7	96	13.40	3883.90	13.33	-1.40	228.99	-44.42		
4000	7.6	90	13.23	3983.11	13.23	-.00	242.22	-44.42		
4100	7.6	75	13.23	4082.23	12.77	3.42	254.99	-40.99		
4200	7.6	66	13.23	4181.35	12.08	5.38	267.68	-35.61		
4300	7.4	69	12.88	4280.52	12.02	4.62	279.10	-31.00		
4400	7.0	66	12.19	4379.77	11.13	4.95	290.23	-26.04		
4500	6.7	65	11.67	4479.00	10.57	4.93	300.81	-21.11		
4600	6.3	65	10.97	4578.40	9.95	4.64	310.75	-16.47		
4700	6.3	64	10.97	4677.88	9.86	4.81	320.62	-11.66		
4800	6.5	68	11.32	4777.24	10.50	4.24	331.11	-7.42		

GEODIGIT

Socoony Mobil Oil of Canada Limited
COMPANY

Socoony Mobil Western Minerals E
Porcupine R YF K-56
WELL NAME AND NUMBER

5
TEST No.

May 22, 1963
DATE

