

WELL HISTORY REPORT

SCURRY ^{N V}~~NORTH VALLEY~~ EAST WATSON LAKE ^{YT}G-79

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January, 1968

NV
SCURRY ~~NORTH VALLEY~~ EAST WATSON LAKE YT G-79

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AMENDMENT

SECTION 1 - SUMMARY OF WELL DATA

(a) Well Name: Scurry NV East Watson Lake Y.T. G-79

(b) Permittee: Montreal Trust Company

(c) Operator: Scurry-Rainbow Oil Limited

(d) Location: Unit G, Section 79, Grid 60°10', 128°15'

(e) Co-Ordinates: 60° 8' 20": 128° 28' 50"

(f) Permit No. 5329

(g) Drilling Contractor: Commonwealth Drilling Company,
Rig #22
W. Young - Toolpush

(h) Drilling License No.: 283

(i) Classification: Wildcat

(j) Elevation: G.L. 2474
K.B. 2490

(k) Date Spudded: 11:00 a.m. December 8th, 1967

(l) Drilling Completed: January 26th, 1968

(m) Total Depth 3750 feet K.B.

(n) Well Status: Dry & Abandoned

(o) Rig Release: 6:00 a.m. January 28th, 1968

(p) Hole Size: 0 - 670 x 15"
670 - 3750 x 8-3/4"

(q) Casing: 10-3/4" 670 feet K.B.

(r) Universal Well Location Reference: Lat. 60.14069° N.
Long. 128.48200° W.

(s) Unique Well Identifier: 300G795010128150

DAILY CHRONOLOGICAL REPORT

~~SCURRY NORTH VALLEY~~ ^{N V} EAST WATSON LAKE, Y.T. G-79

<u>DATE</u>	<u>DEPTH</u>	<u>PROGRESS</u>	<u>REMARKS</u>
Dec. 8, 1967			Spudded 11:00 a.m. December 8, 1967.
Dec. 9, 1967	252	252	Drilling 7-7/8" pilot hole.
Dec.10, 1967	460	208	Drilling 7-7/8" hole.
Dec.11, 1967	597	137	Tripping
Dec.12, 1967	670	73	440' reaming to 15" hole, drilled 9-7/8" surface hole 0 - 670'.
Dec.13, 1967			615' reaming to 15".
Dec.14, 1967			670' reaming to 15" - running casing. Ran 22 joints J55 40.5# 10-3/4" casing. Cemented with 495 sax + 2% CaCl ₂ . Plug down at 6:15 a.m. December 14, 1967. No return to surface. W.O.C.
Dec.15, 1967			Cemented surface casing with 200 sax. W.O.C.
Dec.16, 1967	756	86	Tripping
Dec.17, 1967	944	188	Drilling 8-3/4" hole.
Dec.18, 1967	1084	60	Drilling 8-3/4" hole.
Dec.19, 1967	1214	130	Drilling 8-3/4" hole.
Dec.20, 1967	1259	45	Drilling 8-3/4" hole.
Dec.21, 1967	1402	143	Tripping
Dec.22, 1967	1502	100	Drilling 8-3/4" hole.
Dec.23, 1967	1618	116	Drilling 8-3/4" hole.
Dec.24, 1967	1686	68	Drilling 8-3/4" hole.
Dec.25, 1967	1789	103	Drilling 8-3/4" hole.
Dec.26, 1967	1853	64	Drilling 8-3/4" hole.
Dec.27, 1967	1928	75	Tripping
Dec.28, 1967			Tripping
Dec.29, 1967			
Dec.30, 1967			
Dec.31, 1967			
Jan. 1, 1968			Drilling 8-3/4" hole.
Jan. 2, 1968	2226		Drilling 8-3/4" hole.
Jan. 3, 1968	2326	60	Drilling 8-3/4" hole.
Jan. 4, 1968	2427	101	Drilling 8-3/4" hole.
Jan. 5, 1968	2478	51	Drilling 8-3/4" hole.
Jan. 6, 1968	2536	58	Drilling 8-3/4" hole.
Jan. 7, 1968	2607	71	Drilling 8-3/4" hole.
Jan. 8, 1968	2700	93	Drilling 8-3/4" hole.
Jan. 9, 1968	2787	87	Drilling 8-3/4" hole.
Jan.10, 1968	2877	90	Drilling 8-3/4" hole.
Jan.11, 1968	2951	74	Drilling 8-3/4" hole.
Jan.12, 1968	3036	85	Drilling 8-3/4" hole.
Jan.13, 1968	3094	58	Drilling 8-3/4" hole.
Jan.14, 1968	3136	42	Drilling 8-3/4" hole.
Jan.15, 1968	3196	60	Drilling 8-3/4" hole.
Jan.16, 1968	3233	37	Drilling 8-3/4" hole.

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<u>DATE</u>	<u>DEPTH</u>	<u>PROGRESS</u>	<u>REMARKS</u>
Jan. 17, 1968	3298	65	Drilling 8-3/4" hole.
Jan. 18, 1968	3352	54	Drilling 8-3/4" hole.
Jan. 19, 1968	3417	65	Drilling 8-3/4" hole.
Jan. 20, 1968	3500	83	Drilling 8-3/4" hole.
Jan. 21, 1968	3546	46	Drilling 8-3/4" hole.
Jan. 22, 1968	3587	41	Drilling 8-3/4" hole.
Jan. 23, 1968	3643	56	Drilling 8-3/4" hole.
Jan. 24, 1968	3705	62	Drilling 8-3/4" hole.
Jan. 25, 1968	3736	31	Drilling 8-3/4" hole.
Jan. 26, 1968	3750	14	Preparing to log.
Jan. 27, 1968			Logging and W.O.C. on plug
Jan. 28, 1968			Rig Release 6:00 a.m.

SECTION II

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SCURRY NORTH VALLEY EAST WATSON LAKE G-79

GEOLOGICAL SUMMARY

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K.B. 2490

Samples logged surface to 3741'

Cored intervals 3741 - 3750

Samples and Core Description - See following pages.

GEOLOGICAL DESCRIPTION

Surface - 10'	Surface gravel (Pebbles of quartz, quartzite, chert, siltstone, sandstone and argillite).
10 - 20	Surface gravel
20 - 30	Surface gravel
30 - 40	Sample, as above.
40 - 50	Sample, as above.
50 - 60	Sample, as above.
60 - 70	Sample, as above.
70 - 80	Surface gravel
80 - 90	Sample, as above.
90 - 100	Surface gravel
100 - 110	Sample, as above
110 - 120	Sample, as above
120 - 130	CHERT: 35%, clear white, transparent QUARTZ: 35%, white to milky white. SHALE: 20%, dark grey, blocky, carbonaceous, micaceous. CALCITE: 5%, white QUARTZITE: 5%, light brown, very fine grained.
130 - 140	Surface gravel
140 - 150	Sample, as above.
150 - 160	Sample, as above.
160 - 170	Sample, as above.
170 - 180	Surface gravel
180 - 190	Sample, as above.
190 - 200	Sample, as above.
200 - 210	SHALE: 60%, dark grey, sub-fissile to blocky, carbonaceous in part, pyritic, trace veinlets of quartz and calcite. QUARTZ: 15%, white to milky white. CHERT: 15%, clear white, transparent. SANDSTONE: 10%, pink, very fine-grained, partly quartzitic.

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210	-	220	QUARTZ:	50%, as above.
			CHERT:	30%, as above.
			SANDSTONE:	15%, as above.
			SHALE:	5%, as above.
220	-	230	QUARTZ:	70%, as above.
			CHERT:	15%, as above.
			SANDSTONE:	10%, as above, with pink quartzite.
			SHALE:	5%, as above.
230	-	240	QUARTZITE:	30%, white partly pink, coarse-grained.
			QUARTZ:	25%, as above.
			CHERT:	20%, as above.
			SHALE:	20%, as above.
240	-	250	Sample, as above.	
250	-	260	QUARTZ:	40%, as above.
			CHERT:	25%, as above.
			QUARTZITE:	20%, as above.
			SHALE:	15%, dark grey, purple in parts, sub-fissile to blocky.
260	-	270	SHALE:	50%, light to dark grey, purple, fissile to blocky.
			QUARTZITE:	25%, as above.
			QUARTZ:	15%, as above.
			CHERT:	10%, as above.
270	-	280	Sample, as above.	
280	-	290	SHALE:	60%, light to dark grey, purple, soft, sub-fissile to blocky.
			QUARTZ:	20%, milky white.
			SANDSTONE:	10%, white, coarse-grained, quartzitic.
			CHERT:	10%, clear white, transparent.
290	-	300	SHALE:	80%, light grey to purple, soft, fissile to sub-fissile, micaceous, few schistose pieces.
			SANDSTONE:	10%, as above.
			QUARTZ:	10%, as above.
300	-	310	SHALE:	95%, as above.
			QUARTZ:	5%, as above.
			SANDSTONE:	Trace
310	-	320	SHALE:	90%, as above.
			QUARTZ:	5%, as above.
			SANDSTONE:	5%, as above.
			CHERT:	Trace, as above.

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320 -	330	SHALE: 70%, as above. SANDSTONE: 15%, white and purple, medium to coarse-grained. QUARTZ: 15%, as above.
330 -	340	SHALE: 75%, as above, schistose SANDSTONE: 15%, as above. QUARTZ: 10%, as above.
340 -	350	SANDSTONE: 35%, as above. QUARTZ: 30%, as above. SHALE: 30%, as above. CHERT: 5%, as above.
350 -	360	No Sample.
360 -	370	Sample, as above.
370 -	380	SHALE: 50%, as above. SANDSTONE: 25%, as above. QUARTZ: 25%, as above. CHERT: Trace, as above.
380 -	390	SHALE: 85%, as above. SANDSTONE: 10%, as above. QUARTZ: 5%, as above.
390 -	400	SHALE: 95%, purple, partly light to dark grey, fissile to sub-fissile, blocky in part. QUARTZ:) SANDSTONE:) 5% CHERT:)
400 -	410	SHALE: 70%, light to dark grey, partly purple, fissile to blocky. SANDSTONE: 15%, white, medium to coarse-grained, quartzitic. QUARTZ: 10%, milky white. CHERT: 5%, clear white, transparent.
410 -	420	SANDSTONE: 60%, white, partly pink, fine to medium grained, quartzitic. QUARTZ: 20%, as above. SHALE: 15%, as above. CHERT: 5%, as above.
420 -	430	SANDSTONE: 40%, as above. SHALE: 40%, as above. QUARTZ: 20%, as above.

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430 - 440	QUARTZ: 50%, as above. SHALE: 25%, as above. SANDSTONE: 20%, as above. CHERT: 5%, as above.
440 - 450	QUARTZ: 45%, as above. SANDSTONE: 40%, as above. SHALE: 10%, as above. CHERT: 5%, as above.
450 - 460	QUARTZ: 40%, as above. SHALE: 30%, as above. SANDSTONE: 25%, as above. CHERT: 5%, as above.
460 - 470	Sample, as above.
470 - 480	QUARTZ: 65%, as above. SANDSTONE: 15%, as above. SHALE: 15%, as above. CHERT: 5%, as above.
480 - 490	QUARTZ: 50%, as above. SHALE: 30%, as above. SANDSTONE: 20%, as above.
490 - 500	Sample, as above.
500 - 510	QUARTZ: 40%, as above. SHALE: 40%, as above. SANDSTONE: 20%, as above.
510 - 520	QUARTZ: 50%, as above. SHALE: 25%, as above. SANDSTONE: 25%, as above.
520 - 530	QUARTZ: 50%, as above. SANDSTONE: 30%, as above. SHALE: 20%, as above.
530 - 540	Sample, as above.
540 - 550	QUARTZ: 70%, as above. SHALE: 15%, as above. SANDSTONE: 15%, as above.

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550 - 560	QUARTZ: 80%, as above, slightly dolomitic. SANDSTONE: 10%, as above. SHALE: 5%, as above. CHERT: 5%, as above, slightly dolomitic.
560 - 570	Sample, as above.
570 - 580	QUARTZ: 60%, as above. SANDSTONE: 20%, as above. SHALE: 15%, as above. CHERT: 5%, as above.
580 - 590	Sample, as above.
590 - 600	QUARTZ: 50%, as above. SHALE: 20%, as above. SANDSTONE: 20%, as above. CHERT: 10%, as above.
600 - 610	SHALE: 60%, medium to dark grey, sub-fissile to blocky. QUARTZ: 25%, as above. SANDSTONE: 10%, as above. CHERT: 5%, as above.
610 - 620	Sample, as above.
620 - 630	SHALE: 50%, as above. QUARTZ: 30%, as above. SANDSTONE: 15%, as above. CHERT: 5%, as above.
630 - 640	Sample, as above.
640 - 650	QUARTZ: 65%, as above. SHALE: 15%, as above. SANDSTONE: 15%, as above. CHERT: 5%, as above.
650 - 660	SHALE: 40%, dark grey, sub-fissile, pyritic. QUARTZ: 30%, milky white, dolomitic, slightly pyritic SANDSTONE: 15%, white, medium to coarse-grained, quartzitic. CHERT: 15%, white, clear white, slightly dolomitic.
660 - 670	SHALE: 50%, as above. QUARTZ: 25%, as above. SANDSTONE: 15%, as above. CHERT: 10%, as above.
	NOTE: Surface casing set at 670'.
670 - 740	No sample

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- 740 - 750 SHALE: 95%, medium to dark grey, fissile to sub-fissile, very soft, splinty in part, carbonaceous, pyritic.
 QUARTZ: 5%, white, milky white, slightly dolomitic.
 SILTSTONE: Trace, light grey.
- 750 - 760 SHALE: 95%, dark grey, fissile, very soft, splinty, brittle in part, highly carbonaceous.
 QUARTZ:)) 5% - milky white
 SANDSTONE:) - light grey, very fine-grained.
- 760 - 770 Sample, as above.
- 770 - 780 Sample, as above.
- 780 - 790 Sample, as above.
- 790 - 800 SHALE: 95%, dark grey, fissile, splinty, very soft, highly carbonaceous, micaceous in part, trace schistose.
 QUARTZ: 5%, white to milky white, rosy white in part, dolomitic in part, with some very fine-grained sandstone slightly dolomitic.
- 800 - 810 SHALE: 95%, grey to dark grey, fissile to sub-fissile, soft, partly splinty, dark grey shales are carbonaceous.
 QUARTZ: 5%, white to milky white, slightly dolomitic.
 SANDSTONE: Trace, light grey, very fine-grained, slightly dolomitic.
- 810 - 820 Sample, as above.
- 820 - 830 Sample, as above.
- 830 - 840 SHALE: 90%, medium to dark grey, fissile, very soft, carbonaceous, associated with quartz.
 QUARTZ: 5%, milky white, slightly dolomitic.
 SANDSTONE: 5%, dark grey, white in part, very fine-grained, quartzitic, argillaceous in part.
- 840 - 850 Sample, as above.
- 850 - 860 Sample, as above.
- 860 - 870 Sample, as above.
- 870 - 880 SHALE: 95%, as above.
 QUARTZ: 5%, as above.
 SANDSTONE: Trace, as above.

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880 - 890	SHALE:	90%, as above.
	QUARTZ:	10%, as above.
	SANDSTONE:	Trace
890 - 900	SHALE:	85%, medium to dark grey, fissile, splinty, very soft, highly carbonaceous, associated with Quartz.
	QUARTZ:	10%, white, milky white, slightly dolomitic.
	SANDSTONE:	5%, white to light grey, partly grey, very fine-grained, quartzitic and slightly dolomitic.
900 - 910	Sample, as above.	
910 - 920	SHALE:	95%, as above.
	QUARTZ:	5%, as above.
	SANDSTONE:	Trace, as above.
	CHERT:	Trace, clear white, transparent.
920 - 930	SHALE:	90%, as above.
	QUARTZ:	10%, as above.
930 - 940	SHALE:	80%, as above.
	QUARTZ:	15%, as above.
	SANDSTONE:	5%, as above.
940 - 950	SHALE:	85%, as above.
	QUARTZ:	10%, as above.
	SANDSTONE:	5%, as above.
950 - 960	SHALE:	80%, dark grey, fissile to sub-fissile, blocky in part, fissile is soft, white blocky is hard. (argillite, carbonaceous).
	QUARTZ:	20%, white to milky white, slightly dolomitic
	SANDSTONE:	Trace, as above.
960 - 970	SHALE:	75%, as above.
	QUARTZ:	20%, as above.
	SANDSTONE:	5%, as above.
	CHERT:	Trace
970 - 980	SHALE:	75%, as above.
	QUARTZ:	10%, as above.
	QUARTZITE:	10%, white to grey, medium grained, dolomitic, some quartzitic sandstone.
	CHERT:	5%, light grey, aphanitic.
980 - 990	SHALE:	70%, medium to dark grey, fissile to sub-fissile, partly blocky, carbonaceous, soft to medium hard.
	QUARTZ:	15%, white to pink white, slightly dolomitic.
	QUARTZITE:	10%, white to grey, fine to medium grained, with some quartzitic sandstone - dolomitic.
	CHERT:	5%, light grey, aphanitic.

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990 - 1000	Sample, as above.
1000 - 1010	SHALE: 65%, dark grey, sub-fissile to blocky, soft to medium hard, carbonaceous. QUARTZ: 30%, milky white, dolomitic. CHERT: 5%, white to clear white, slightly dolomitic. SANDSTONE: Trace
1010 - 1020	SHALE: 65%, as above. QUARTZ: 30%, as above. QUARTZITE: 5%, white to grey, medium grained, dolomitic. CHERT: Trace
1020 - 1030	SHALE: 65%, as above. QUARTZ: 30%, as above. SANDSTONE: 5%, white to grey white, fine to medium-grained, dolomitic, quartzitic, grades in part to quartzite.
1030 - 1040	SHALE: 75%, as above. QUARTZ: 15%, as above. SANDSTONE: 5%, as above. QUARTZITE: 5%, as above.
1040 - 1050	SHALE: 80%, dark grey, fissile to sub-fissile, partly blocky, carbonaceous, associated with some quartz. QUARTZ: 10%, milky white, slightly dolomitic. SANDSTONE: 10%, white to grey, fine to medium-grained, highly quartzitic, partly quartzite.
1050 - 1060	SAMPLE, AS ABOVE.
1060 - 1070	SHALE: 90%, as above. QUARTZ: 5%, as above. SANDSTONE: 5%, as above.
1070 - 1080	SHALE: 95%, dark grey to black, sub-fissile to blocky, medium hard (may be called argillite), carbonaceous. SANDSTONE: 5%, salt and pepper, light grey, medium to coarse grained, quartzitic, highly dolomitic (Matrix is dolomitic).
1080 - 1090	SHALE: 60%, as above. QUARTZ: 30%, white to clear white, partly milky white, in form of veinlets in Shale, Pyritic. QUARTZITE: 10%, white to grey, fine to medium-grained.

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1090	- 1100	Sample, as above.
1100	- 1110	SHALE: 65%, as above. QUARTZ: 25%, as above. (QUARTZITE:) SANDSTONE:) 10%, as above.
1110	- 1120	SHALE: 75%, as above. QUARTZ: 20%, as above. QUARTZITE: 5%, as above.
1120	- 1130	Sample, as above.
1130	- 1140	SHALE: 80%, dark grey, sub-fissile to blocky, medium hard to hard, soft in part, carbonaceous, pyritic, veinlets of quartz. QUARTZ: 15%, milky white, slightly dolomitic. QUARTZITE: 5%, white, light grey, fine-grained, grades to quartzitic. Sandstone in part. CHERT: Trace, white, dolomitic.
1140	- 1150	Sample, as above.
1150	- 1160	Sample, as above.
1160	- 1170	SHALE: 50%, as above. QUARTZ: 40%, milky white, light grey to grey, dolomitic, associated with shale in form of veins. QUARTZITE: 5%, as above. CHERT: 5%, as above.
1170	- 1180	SHALE: 70%, dark grey, sub-fissile to blocky, partly fissile, mostly hard (argillite) fissile shales are soft, quartz veins numerous, highly carbonaceous, pyritic. QUARTZ: 25%, as above. CHERT: 5%, as above. QUARTZITE: Trace
1180	- 1190	SHALE: 65%, as above. QUARTZ: 20%, as above. QUARTZITE: 15%, as above.
1190	- 1200	SHALE: 70%, as above. QUARTZ: 20%, as above. QUARTZITE: 10%, as above, grades in small part to quartzitic

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1200	- 1210	SHALE:	80%, as above.
		QUARTZ:	10%, as above.
		QUARTZITE:	10%, as above.
1210	- 1220	SHALE:	70%, as above.
		QUARTZ:	25%, as above.
		QUARTZITE:	5%, as above.
1220	- 1230	SHALE:	65%, as above.
		QUARTZ:	20%, as above.
		QUARTZITE:	15%, as above.
1230	- 1240	SHALE:	60%, dark grey, sub-fissile to blocky, medium hard, partly soft, brittle, carbonaceous, numerous veins of quartz, pyritic in part.
		QUARTZ:	30%, milky white to white grey to light grey, associated with shale, slightly dolomitic, pyritic.
		QUARTZITE:	10%, milky white, fine-grained with some quartzitic sandstone, slightly dolomitic.
1240	- 1250	Sample, as above.	
1250	- 1260	SHALE:	50%, as above.
		QUARTZ:	40%, as above.
		QUARTZITE:	10%, as above.
1260	- 1270	Sample, as above.	
1270	- 1280	Sample, as above.	
1280	- 1290	SHALE:	65%, as above.
		QUARTZ:	25%, as above.
		QUARTZITE:	5%, as above.
		CHERT:	5%, as above, clear white, aphanitic, slightly dolomitic.
1290	- 1300	SHALE:	75%, as above.
		QUARTZ:	10%, as above.
		QUARTZITE:	10%, as above.
		CHERT:	5%, as above.
1300	- 1310	Sample, as above.	

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1310 - 1320	SHALE: 60%, as above. QUARTZ: 25%, as above. QUARTZITE: 10%, as above. CHERT: 5%, as above.
1320 - 1330	Sample, as above.
1330 - 1340	SHALE: 70%, dark grey, sub-fissile to blocky, hard, carbonaceous, numerous veins of quartz. QUARTZ: 20%, milky white, partly pink, associated with argillite, slightly dolomitic. QUARTZITE: 10%, white to grey, fine to medium grained with some quartzitic sandstone. CHERT: Trace clear white, aphanitic.
1340 - 1350	Sample, as above.
1350 - 1360	SHALE: 70%, as above. QUARTZ: 15%, as above. QUARTZITE: 10%, as above. CHERT: 5%, as above.
1360 - 1370	Sample, as above.
1370 - 1380	Sample, as above.
1380 - 1390	SHALE: 70%, dark grey, sub-fissile to blocky, hard, partly soft, carbonaceous, pyritic, micaceous in part, veinlets of quartz. QUARTZ: 20%, milky white, dolomitic, associated with argillite, pyritic in part. QUARTZITE: 10%, white to buff white, fine to medium-grained, slightly dolomitic, grades in part to quartzitic Sandstone. CHERT: Trace, light grey, aphanitic, slightly dolomitic.
1390 - 1400	Sample, as above.
1400 - 1410	SHALE: 70%, as above. QUARTZ: 20%, as above. QUARTZITE: 5%, as above. CHERT: 5%, as above.
1410 - 1420	SHALE: 55%, dark grey, sub-fissile to blocky, very thin bedded to massive, carbonaceous, medium hard, soft in part, associated with quartz and quartzite in form of veins, pyritic in part. QUARTZ: 25%, white to milky white, yellow white in part, dolomitic, pyritic in part. QUARTZITE: 15%, white, yellow brown to mottled, fine-grained, grades to quartzitic Sandstone.

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1410 - 1420	CHERT:	5%, buff white to grey white to light grey, aphanitic to cryptocrystalline, dolomitic.
1420 - 1430	Sample, as above.	
1430 - 1440	SHALE:	50%, as above.
	QUARTZ:	30%, as above.
	QUARTZITE:	15%, as above.
	CHERT:	5%, as above.
1440 - 1450	SHALE:	50%, dark grey to black, sub-fissile to blocky, very thin bedded to massive, carbonaceous, medium hard, associated with quartz, trace pyrite.
	SANDSTONE:	30%, white, salt and pepper, light grey to pink grey, fine-grained, dolomitic, quartzitic in part.
	QUARTZ:	15%, white to milky white, dolomitic.
	QUARTZITE:	5%, white to pink to grey, fine-grained.
	CHERT:	Trace, buff white to grey white, aphanitic to cryptocrystalline, slightly dolomitic.
1450 - 1460	SHALE:	45%, as above.
	SANDSTONE:	40%, white, salt and pepper, fine-grained, dolomitic, quartzitic.
	QUARTZ:	10%, as above.
	QUARTZITE:	5%, as above.
1460 - 1470	SHALE:	65%, as above.
	QUARTZ:	25%, as above.
	QUARTZITE:	10%, as above.
1470 - 1480	SHALE:	70%, as above.
	QUARTZITE:	15%, as above.
	SANDSTONE:	10%, as above.
	QUARTZ:	5%, as above.
1480 - 1490	SHALE:	85%, as above.
	QUARTZ:	10%, as above.
	QUARTZITE:	5%, as above.
1490 - 1500	SHALE:	70%, as above.
	SANDSTONE:	15%, as above.
	QUARTZ:	15%, as above.
1500 - 1510	SHALE:	75%, as above.
	QUARTZ:	20%, as above.
	QUARTZITE:	5%, as above.

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1510 - 1520	SHALE:	65%, as above.
	QUARTZ:	15%, as above.
	SANDSTONE:	15%, as above.
	QUARTZITE:	5%, as above.
1520 - 1530	SHALE:	85%, dark grey to black, sub-fissile to blocky, carbonaceous, medium hard to hard, micaceous in part, pyritic in part, veinlets of quartz.
	QUARTZ:	10%, milky white, dolomitic.
	SANDSTONE:	5%, white to light grey, very fine-grained, slightly dolomitic, quartzitic in part.
	CHERT:	Trace.
1530 - 1540	SHALE:	70%, as above.
	QUARTZ:	20%, as above.
	SANDSTONE:	10%, as above.
1540 - 1550	Sample, as above.	
1550 - 1560	SHALE:	60%, as above.
	QUARTZ:	25%, as above.
	SANDSTONE:	10%, as above.
	CHERT:	5%, as above.
1560 - 1570	SHALE:	75%, dark grey to black, light grey in part, fissile to sub-fissile, partly blocky, soft to medium hard, carbonaceous, occasional veinlets of quartz, micaceous in part.
	QUARTZ:	15%, white to milky white, slightly dolomitic.
	SANDSTONE:	5%, white to light grey, very fine-grained, quartzitic in part, dolomitic.
	CHERT:	5%, white, buff white to light grey, aphanitic, dolomitic in part.
1570 - 1580	SHALE:	70%, as above.
	QUARTZ:	15%, as above.
	SANDSTONE:	10%, as above.
	CHERT:	5%, as above.
1580 - 1590	Sample, as above.	
1590 - 1600	SHALE:	65%, as above, with trace pyrite.
	QUARTZ:	20%, as above.
	SANDSTONE:	10%, as above, with some quartzite.
	CHERT:	5%, as above.

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1600 - 1610	SHALE:	65%, as above.
	QUARTZ:	20%, as above.
	SANDSTONE:	15%, as above.
	CHERT:	Trace, as above.
1610 - 1620	SHALE:	60%, as above.
	SANDSTONE:	25%, as above.
	QUARTZ:	15%, as above.
	CHERT:	Trace, as above.
1620 - 1630	SHALE:	60%, as above.
	SANDSTONE:	25%, white to medium grey, fine-grained, quartzitic, grades to quartzite in part, dolomitic.
	QUARTZ:	15%, white to milky white, dolomitic, trace pyrite.
	CHERT:	Trace, as above.
1630 - 1640	SHALE:	60%, as above.
	SANDSTONE:	20%, as above.
	QUARTZ:	15%, as above.
	CHERT:	5%, as above.
1640 - 1650	SHALE:	70%, dark grey, fissile to sub-fissile to blocky, soft to medium hard, carbonaceous, veinlets of quartz, micaceous in part, pyritic.
	QUARTZ:	15%, white to milky white with brown stain, dolomitic.
	SANDSTONE:	10%, white, salt and pepper to mottled, fine to medium grained, very hard, quartzitic, dolomitic.
	CHERT:	5%, buff white to clear white, aphanitic.
1650 - 1660	SHALE:	70%, as above, with a few pieces of schist.
	QUARTZ:	15%, as above, with trace pyrite.
	SANDSTONE:	15%, as above, with trace micro vugs.
1660 - 1670	SHALE:	85%, as above.
	QUARTZ:	10%, as above.
	SANDSTONE:	5%, as above.
	CHERT:	Trace, as above.
1670 - 1680	SHALE:	65%, dark grey, light grey in part, fissile to sub-fissile to blocky, partly flaky, soft to medium hard, carbonaceous, micaceous in part, schistosity has developed in part, trace pyrite, a few veinlets of quartz.
	QUARTZ:	20%, milky white, slightly dolomitic.
	SANDSTONE:	15%, white to grey, fine-grained, quartzitic, dolomitic, grades to quartzite in part.

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1680	- 1690	SHALE:	50%, as above.
		SANDSTONE:	35%, white to dirty white, light grey in part, fine to medium grained, quartzitic, <u>poor intergranular porosity.</u>
		QUARTZ:	15%, as above, with pyrite.
		CHERT:	Trace, white, aphanitic, dolomitic.
1690	- 1700	SHALE:	45%, as above.
		SANDSTONE:	45%, white to grey white, grey in part, fine to medium grained, quartzitic in places, micaceous in part, <u>poor intergranular porosity.</u>
		QUARTZ:	10%, as above.
		CHERT:	Trace, as above.
1700	- 1710	SHALE:	60%, as above.
		SANDSTONE:	30%, white to grey white, grey in part, fine to medium grained, quartzitic in part, veinlets of quartz, dolomitic.
		QUARTZ:	10%, as above.
		CHERT:	Trace, as above.
1710	- 1720	SHALE:	80%, as above.
		SANDSTONE:	10%, as above.
		QUARTZ:	10%, as above.
1720	- 1730	SHALE:	70%, dark grey, partly grey, fissile to blocky, flaky in part, carbonaceous, slightly micaceous in part.
		SANDSTONE:	15%, salt and pepper to dark grey, fine to medium-grained, micaceous, quartzitic, grades to quartzite in part.
		QUARTZ:	15%, white to milky white, slightly dolomitic.
1730	- 1740	SHALE:	70%, as above.
		SANDSTONE:	20%, as above.
		QUARTZ:	10%, as above.
1740	- 1750		Sample, as above.
1750	- 1760	SHALE:	60%, as above.
		SANDSTONE:	25%, as above.
		QUARTZITE:	15%, as above.
1760	- 1770		Sample, as above.
1770	- 1780	SHALE:	55%, as above.
		SANDSTONE:	30%, as above.
		QUARTZITE:	15%, as above.

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1780	- 1790	Sample, as above.
1790	- 1800	SHALE: 60%, as above. SANDSTONE: 25%, as above. QUARTZITE: 15%, as above.
1800	- 1810	SHALE: 55%, dark grey to black, medium grey in part, fissile to sub-fissile, flaky and blocky in part, carbonaceous, occasional veins of quartz, micaceous in places. SANDSTONE: 40%, white to white grey, very fine to fine-grained partly medium grained, quartzitic, slightly dolomitic. QUARTZ: 5%, white to milky white, slightly dolomitic.
1810	- 1820	SHALE: 65%, as above. SANDSTONE: 25%, white to light grey, grey in part, very fine to medium grained, quartzitic. QUARTZ: 10%, as above.
1820	- 1830	SHALE: 60%, as above. SANDSTONE: 25%, as above. QUARTZ: 10%, as above. QUARTZITE: 5%, as above.
1830	- 1840	SHALE: 45%, dark grey, light grey in part, sub-fissile to blocky, medium hard, carbonaceous. SANDSTONE: 45%, white to buff to light grey, very fine to fine-grained, trace medium grained, quartzitic, grades to quartzite in small part, dolomitic. QUARTZ: 10%, milky white, slightly dolomitic.
1840	- 1850	SANDSTONE: 50%, as above. SHALE: 40%, as above. QUARTZ: 10%, as above.
1850	- 1860	SHALE: 60%, as above. SANDSTONE: 30%, as above. QUARTZ: 10%, as above.
1860	- 1870	SHALE: 65%, as above. SANDSTONE: 25%, as above. QUARTZ: 10%, as above.
1870	- 1880	SHALE: 60%, as above. SANDSTONE: 30%, as above. QUARTZITE: 10%, as above.

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1880	-	1890	SHALE:	55%, dark grey to black, sub-fissile to blocky, partly fissile and flaky, carbonaceous, trace pyrite, micaceous in part, occasional veinlets of quartz.
			QUARTZITE:)
			QUARTZITIC) 15%, white to buff to light brown to mottled, partly
			SANDSTONE:) grey, very fine to fine-grained, grading to quartzite slightly dolomitic.
			QUARTZ:	15%, white to milky white, slightly dolomitic.
			CHERT:	Trace
1890	-	1900	SAMPLE AS ABOVE.	
1900	-	1910	SHALE:	65%, as above.
			SANDSTONE:	25%, white to buff, grey in part, very fine to fine grained, dolomitic, quartzitic, trace pyrite.
			QUARTZ:	10%, as above.
			CHERT:	Trace
1910	-	1920	SHALE:	70%, as above.
			SANDSTONE:)	
			QUARTZITE:)	20%, as above.
			QUARTZ:	10%, as above.
1920	-	1930	SHALE:	60%, as above.
			SANDSTONE:	15%, as above.
			QUARTZITE:	10%, as above.
			QUARTZ:	15%, as above.
1930	-	1940	SHALE:	45%, dark grey to black, sub-fissile to blocky, flaky in part, medium soft to medium hard, veinlets of quartz.
			SANDSTONE:	45%, white to light grey, very fine to medium grained quartzitic, dolomitic, grades from quartzitic sandstone to quartzite.
			QUARTZ:	10%, milky white, dolomitic.
			CHERT:	Trace, white, aphanitic, slightly dolomitic.
1940	-	1950	SHALE:	60%, as above, micaceous in part.
			SANDSTONE:)	
			QUARTZITE:)	30%, as above.
			QUARTZ:	10%, as above.
1950	-	1960	Sample, as above.	
1960	-	1970	SHALE:	60%, medium to dark grey to black, sub-fissile to blocky, fissile and flaky in part, carbonaceous, pyritic, medium soft to medium hard, quartz veins.
			SANDSTONE:)	
			QUARTZITE:)	30%, white to buff to light grey, fine to medium grained, hard, quartzitic with some white medium-grained quartzite, dolomitic, trace pyrite.
			QUARTZ:	10%, white to milky white, dolomitic.

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1970	-	1980	SHALE:	45%, as above.
			SANDSTONE:)	
			QUARTZITE:)	40%, as above.
			QUARTZ:	15%, as above.
1980	-	1990	SHALE:	55%, as above.
			SANDSTONE:)	
			QUARTZITE:)	35%, as above.
			QUARTZ:	10%, as above.
1990	-	2000	SANDSTONE:	45%, white to buff to buff brown, fine-grained, medium grained in part, quartzitic, dolomitic, micaceous in part, grades to quartzite.
			SHALE:	40%, dark grey to black, sub-fissile to blocky, carbonaceous, micaceous, trace pyrite, veinlets of quartz.
			QUARTZ:	10%, white to milky white, dolomitic.
			CHERT:	5%, clear white, translucent to transparent.
2000	-	2010	Sample,	as above.
2010	-	2020	Sample,	as above.
2020	-	2030	SHALE:	45%, as above.
			SANDSTONE:)	
			QUARTZITE:)	40%, as above.
			QUARTZ:	15%, as above.
2037	-	2040	SANDSTONE:)	
			QUARTZITE:)	60%, as above.
			QUARTZ:	40%, as above.
NOTE: The drilling time came from 15'/ft. to 5'2'/ft. at 2037' depth.				
2040	-	2050	Quartzite with Quartzitic Sandstone -	60%, as above.
			SHALE with Quartzitic Sandstone	20%, as above.
			QUARTZ:	15%, as above.
			CHERT:	5%, as above.
2050	-	2060	QUARTZITE:)	65%, light brown to grey, partly white and mottled, fine to medium grained, micaceous in places, dolomitic.
			QUARTZITIC LESTONE:)	
			SHALE:	25%, dark grey to black, medium grey in part, sub-fissile to blocky, flaky in part, carbonaceous, micaceous, trace pyrite, occasional veins of quartz.
			QUARTZ:	10%, white to milky white, dolomitic.

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2060	-	2070	SHALE:	65%, as above.
			QUARTZITE:)	
			SANDSTONE:)	25%, as above.
			QUARTZ:	10%, as above.
2070	-	2080	Sample,	as above.
2080	-	2090	Sample,	as above.
2090	-	2100	SHALE:	75%, medium grey to dark grey, partly mottled, sub-fissile to blocky.
			QUARTZITE:)	15%, light brown to mottled, very fine-grained with 50% quartzitic sandstone.
			QUARTZ:	5%, as above.
			CHERT:	5%, as above, clear white to colourless, transparent.
2100	-	2110	SHALE:	85%, medium to dark grey, sub-fissile to blocky, partly flaky, carbonaceous, micaceous in part, some veinlets of quartz, trace pyrite.
			SANDSTONE:	10%, grey to salt and pepper, very fine to fine-grained, quartzitic, grades in part to quartzite, dolomitic.
			QUARTZ:	5%, white to milky white.
2110	-	2120	SHALE:	80%, as above.
			SANDSTONE:)	
			QUARTZITE:)	15%, as above.
			QUARTZ:	5%, as above.
2120	-	2130	SHALE:	75%, as above.
			SANDSTONE:)	
			QUARTZITE:)	15%, as above.
			QUARTZ:	10%, as above.
2130	-	2140	SHALE:	65%, as above.
			SANDSTONE:)	
			QUARTZITE:)	25%, as above.
			QUARTZ:	10%, as above.
2140	-	2150	SHALE:	75%, as above.
			SANDSTONE:)	
			QUARTZITE:)	15%, as above.
			QUARTZ:	5%, as above.
			CHERT:	5%, as above, white to milky white, aphanitic to cryptocrystalline, dolomitic.

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2150	-	2160	SANDSTONE:) QUARTZITE:) SHALE: QUARTZ: CHERT:	50%, as above. 40%, as above. 5%, as above. 5%, as above.
2160	-	2170	SHALE: SANDSTONE:) QUARTZITE:) QUARTZ: CHERT:	65%, as above. 25%, as above. 5%, as above. 5%, as above.
2170	-	2180	SHALE: SANDSTONE:) QUARTZITE:) QUARTZ: CHERT:	60%, dark grey, partly medium grey, sub-fissile to blocky, partly fissile and flaky, medium soft to medium hard, carbonaceous, micaceous in part (Development of Schistocity), trace pyrite, veinlets of quartz. 30%, white to light grey, fine to medium grained, dolomitic, quartzitic, grades to quartzite in part. 5%, white to milky white, dolomitic, associated with shale. 5%, white, clear white, transparent, dolomitic.
2180	-	2190	SHALE: SANDSTONE:) QUARTZITE:) QUARTZ:	60%, as above. 30%, as above. 10%, as above.
2190	-	2200	SHALE: SANDSTONE:) QUARTZITE:) QUARTZ: CHERT:	50%, as above. 35%, as above. 10%, as above. 5%, as above.
2200	-	2210	SANDSTONE:) QUARTZITE:) SHALE: CHERT: QUARTZITE:	45%, as above. 40%, as above. 10%, as above. 5%, as above.
2210	-	2220	SANDSTONE:) QUARTZITE:) SHALE: QUARTZ: CHERT:	50%, white to light brown, fine to medium-grained, micaceous in part, quartzitic grading to quartzitic (50%). 30%, medium grey to dark grey, sub-fissile to blocky, medium hard, partly brittle. 10%, as above. 10%, clear white, transparent.

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2220	-	2230	SANDSTONE:) QUARTZITE:)	60%, as above, with pyrite.
			SHALE:	20%, as above.
			QUARTZ:	10%, as above.
			CHERT:	10%, as above.
2230	-	2240	SANDSTONE:) QUARTZITE:)	75%, as above.
			SHALE:	20%, as above.
			QUARTZ:	5%, as above.
2240	-	2250	SHALE:	60%, as above.
			SANDSTONE:) QUARTZITE:)	35%, as above.
			QUARTZ:	5%, as above.
			CHERT:	Trace, as above.
2250	-	2260	SHALE:	70%, as above.
			SANDSTONE:) QUARTZITE:)	25%, as above.
			QUARTZ:	5%, as above.
2260	-	2270	SHALE:	50%, medium to dark grey, blocky, micaceous, schistose.
			SANDSTONE:) QUARTZITE:)	45%, white to mottled, fine to medium-grained
			QUARTZ:	5%, white to milky white.
2260	-	2270	SHALE:	50%, medium to dark grey, blocky, micaceous, schistose.
			SANDSTONE:) QUARTZITE:)	45%, white to mottled, fine to medium grained.
			QUARTZ:	5%, white to milky white.
2270	-	2280	SANDSTONE:) QUARTZITE:)	60%, white to light grey, fine to medium grained, sandstone quartzitic, grading to quartzite, slightly dolomitic.
			SHALE:	30%, medium to dark grey, sub-fissile to blocky, micaceous in part, quartz veins.
			QUARTZ:	10%, white to milky white, dolomitic.
			CHERT:	Trace, clear white, transparent.
2280	-	2290	SHALE:	45%, as above.
			SANDSTONE:) QUARTZITE:)	45%, as above.
			QUARTZ:	10%, as above.
2290	-	2300	SANDSTONE:) QUARTZITE:)	50%, as above.
			SHALE:	45%, as above.
			QUARTZ:	5%, as above.

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2300	-	2310	SANDSTONE:) QUARTZITE:)	55%, white to light grey, fine to medium-grained, dolomitic, quartzitic, grading to quartzite.
			SHALE:	35%, medium to dark grey, sub-fissile to blocky, micaceous in part, schistose development in part, quartz veins.
			QUARTZ:	5%, white to milky white, dolomitic in part.
			CHERT:	5%, clear white, transparent.
2310	-	2320	SHALE:	50%, as above.
			SANDSTONE:)	
			QUARTZITE:)	45%, as above.
			QUARTZ:	5%, as above.
			CHERT:	Trace
2320	-	2330	SANDSTONE:)	50%, as above.
			QUARTZITE:)	
			CHERT:	10%, as above.
			QUARTZ:	5%, as above.
2330	-	2340	Sample, as above.	
2340	-	2350	QUARTZITIC) SANDSTONE:)& QUARTZITE:)	70%, white to light grey, fine to medium grained dolomitic.
			SHALE:	10%, medium to dark grey, sub-fissile to blocky, quartz veinlets.
			QUARTZ:	10%, as above.
			CHERT:	10%, as above.
2350	-	2360	SANDSTONE:) QUARTZITE:)	50%, as above.
			SHALE:	40%, as above.
			QUARTZ:	5%, as above.
			CHERT:	5%, as above.
2360	-	2370	SANDSTONE:) QUARTZITE:)	65%, as above.
			SHALE:	25%, as above.
			QUARTZ:	5%, as above.
			CHERT:	5%, as above.
2370	-	2380	SANDSTONE:). QUARTZITE:)	60%, white to light grey, fine to medium grained, dolomitic.
			SHALE:	30%, medium to dark grey, sub-fissile to blocky, brittle.
			CHERT:	5%, clear white, transparent.
			QUARTZ:	5%, milky white, dolomitic.

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- 2380 - 2390 SANDSTONE:)
QUARTZITE:) 50%, as above.
SHALE: 40%, as above.
QUARTZ: 5%, as above.
CHERT: 5%, as above.
- 2390 - 2400 Sample, as above.
- 2400 - 2410 SANDSTONE:)
QUARTZITE:) 65%, as above.
SHALE: 25%, as above.
QUARTZ: 5%, as above.
CHERT: 5%, as above.
- 2410 - 2420 SANDSTONE:)
QUARTZITE:) 55%, as above.
SHALE: 35%, as above.
QUARTZ: 5%, as above.
CHERT: 5%, as above.
- 2420 - 2430 SANDSTONE:)
QUARTZITE:) 60%, light brown to pink brown, medium to coarse grained, partly fine grained, quartzitic, grading to quartzite (60%), slightly dolomitic.
SHALE: 35%, dark grey, partly light grey, sub-fissile to blocky, medium hard, slaty in part, quartz veins in part.
QUARTZ: 5%, milky white, slightly dolomitic.
- 2430 - 2440 SHALE: 55%, as above, pyritic, trace calcite.
SANDSTONE:)
QUARTZITE:) 35%, as above, with trace pyrite.
QUARTZ: 10%, as above.
- 2440 - 2450 SHALE: 70%, medium to dark grey, sub-fissile to blocky, flaky and fissile in part, medium soft to hard, carbonaceous.
SANDSTONE:)
QUARTZITE:) 25%, white brown to buff brown, fine to medium grained, sandstone is quartzitic, grading to quartzite, slightly dolomitic.
QUARTZ: 5%, milky white, slightly dolomitic.

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2450	-	2460	SHALE:	45%, as above.
			SANDSTONE:)	
			QUARTZITE:)	45%, as above, micaceous in part.
			QUARTZ:	10%, as above.
2460	-	2470	QUARTZITE:	50%, white, very fine-grained, dolomitic.
			QUARTZ:	30%, white, partly milky white, dolomitic.
			SHALE:	15%, medium to dark grey, blocky
			CHERT:	5%, clear white, translucent, dolomitic.
2470	-	2480	QUARTZITE:	80%, as above.
			QUARTZ:	10%, as above.
			SHALE:	10%, as above.
2480	-	2490	Sample, as above.	
2490	-	2500	Sample, as above.	
2500	-	2510	QUARTZITE:)	
			SANDSTONE:)	80%, as above.
			QUARTZ:	10%, as above.
			SHALE:	10%, as above.
			CHERT:	Trace, as above.
2510	-	2520	QUARTZITE:)	
			SANDSTONE:)	85%, grey white to light grey, salt and pepper, fine to medium grained, partly micaceous, slightly dolomitic, sandstone is quartzitic, grading to quartzite. Trace pyrite.
			QUARTZ:	10%, white to milky white, dolomitic.
			SHALE:	5%, medium to dark grey, blocky, micaceous in part.
2520	-	2530	QUARTZITE:)	
			SANDSTONE:)	70%, as above.
			SHALE:	15%, as above.
			QUARTZ:	15%, as above.
2530	-	2540	QUARTZITE:)	
			SANDSTONE:)	60%, as above.
			SHALE:	30%, as above.
			QUARTZ:	10%, as above.
2540	-	2550	QUARTZITE:)	
			SANDSTONE:)	70%, as above.
			SHALE:	15%, as above.
			QUARTZ:	15%, as above.
2550	-	2560	QUARTZITE:)	
			SANDSTONE:)	85%, as above.
			SHALE:	10%, as above.
			QUARTZ:	5%, as above.

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2560	-	2570	QUARTZITE:) SANDSTONE:)	65%, as above. 25%, as above. 10%, as above.
2570	-	2580	QUARTZITE:) SANDSTONE:) SHALE: QUARTZ: CHERT:	80%, as above. 10%, as above. 10%, as above. Trace - white, aphanitic, dolomitic.
2580	-	2590	QUARTZITE:) SANDSTONE:) SHALE: QUARTZ: CHERT:	60%, as above. 25%, as above. 10%, as above. 5%, white, transparent, partly aphanitic, slightly dolomitic.
2590	-	2600	QUARTZITE:) SANDSTONE:) SHALE: QUARTZ:	75%, as above. 15%, as above. 10%, as above.
2600	-	2610	QUARTZITE:) SANDSTONE:) SHALE: QUARTZ: DOLOMITE:	70%, white to grey, salt and pepper, fine to medium grained, micaceous, pyritic, slightly dolomitic. 20%, medium to dark grey, sub-fissile to blocky, quartz veins, pyritic. 10%, white to milky white, dolomitic. Trace, buff to yellow white, aphanitic to cryptocrystalline, siliceous in part.
2610	-	2620	QUARTZITE:) SANDSTONE:) SHALE: QUARTZ: CHERT:	80%, as above. 10%, as above. 10%, as above. Trace - white, aphanitic, dolomitic.
2620	-	2630	QUARTZITE:) SANDSTONE:) SHALE: QUARTZ:	65%, as above. 20%, as above. 15%, as above.
2630	-	2640	QUARTZITIC SANDSTONE & QUARTZITE: QUARTZ: SHALE: DOLOMITE:	70%, white to medium grey, fine to medium grained, partly coarse grained, micaceous in part, trace pyrite, dolomitic. 20%, white to milky white, dolomitic. 10%, as above. Trace white, cryptocrystalline, highly siliceous - may be 'Dolomitic Chert'.

2640	-	2650	SANDSTONE:) QUARTZITE:) SHALE: QUARTZ:	80%, as above. 10%, as above. 10%, as above.
2650	-	2660	SANDSTONE:) QUARTZITE:) SHALE: QUARTZ:	75%, as above. 15%, as above. 10%, as above.
2660	-	2670	SANDSTONE:) QUARTZITE:) SHALE: QUARTZ:	90%, as above. 5%, as above. 5%, as above.
2670	-	2680	SANDSTONE:) QUARTZITE:) SHALE: QUARTZ:	60%, medium to dark grey, partly white, fine to medium grained, partly coarse grained, micaceous and pyritic in part, dolomitic. 30%, as above. 10%, white to milky white, dolomitic.
2680	-	2690	SHALE: SANDSTONE:) QUARTZITE:) QUARTZ:	55%, medium to dark grey, blocky, micaceous, pyritic, quartz veins. 35%, as above. 10%, as above.
2690	-	2700	SHALE: QUARTZITE:) SANDSTONE:) QUARTZ:	70%, as above. 20%, as above. 10%, as above.
2700	-	2710	SHALE: QUARTZITE:) SANDSTONE:) QUARTZ:	70%, as above. 25%, as above. 5%, as above.
2710	-	2720	QUARTZITE:) SANDSTONE:) SHALE: QUARTZ: CHERT:	70%, white to light grey to dark, grey, fine grained, partly medium grained, micaceous in part, trace pyrite, slightly dolomitic. 25%, medium to dark grey, sub-fissile to blocky, partly flaky, micaceous in part, pyritic. 5%, milky white, dolomitic. Trace, white aphanitic, dolomitic.
2720	-	2730	QUARTZITE:) SANDSTONE:) SHALE: QUARTZ:	75%, as above. 15%, as above. 10%, as above.
2730	-	2740	Sample, as above.	

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2740	-	2750	QUARTZITE:) SANDSTONE:)	70%, as above.
			SHALE:	20%, as above.
			QUARTZ:	10%, as above.
			CHERT:	Trace, as above.
2750	-	2760	QUARTZITE:) SANDSTONE:)	55%, as above.
			SHALE:	35%, as above.
			QUARTZ:	10%, as above.
			CHERT:	Trace, as above.
2760	-	2770	QUARTZITE:) SANDSTONE:)	50%, as above.
			SHALE:	45%, as above.
			QUARTZ:	5%, as above.
2770	-	2780	QUARTZITE:) SANDSTONE:)	45%, as above.
			SHALE:	45%, as above.
			QUARTZ:	10%, as above.
2780	-	2790	QUARTZITE:) SANDSTONE:)	70%, white to light grey, fine to coarse-grained, small pebbles of quartz cemented in dolomitic matrix. Trace mica and pyrite.
			SHALE:	15%, medium to dark grey, massive to blocky, trace mica, associated with quartz.
			QUARTZ:	15%, white to clear white, slightly dolomitic.
2790	-	2800	QUARTZITE:) SANDSTONE:	55%, as above.
			QUARTZ:	35%, as above.
			SHALE:	10%, as above.
2800	-	2810	SANDSTONE:) QUARTZITE:)	60%, white to light grey, fine to medium grained, partly coarse grained, sandstone is quartzitic grading to quartzite, slightly dolomitic, micaceous in part, trace pyrite.
			QUARTZ:	25%, white to milky white, slightly dolomitic.
			SHALE:	15%, medium to dark grey, sub-fissile to blocky, medium hard, micaceous in part.

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2810	-	2820	SANDSTONE:) QUARTZITE:)	50%, as above.
			SHALE:	30%, light grey to dark grey, sub-fissile to blocky.
			QUARTZ:	15%, as above.
			CHERT:	5%, clear white, transparent.
2820	-	2830	SHALE:	60%, light grey, yellow grey to dark grey, partly mottled, sub-fissile, partly blocky, medium hard, trace pyrite.
			QUARTZ:	25%, white to milky white, dolomitic.
			SANDSTONE:)	
			QUARTZITE:)	10%, white to white grey, very fine to fine-grained, dolomitic.
			CHERT:	5%, white, aphanitic, dolomitic in part.
2830	-	2840	SHALE:	80%, mottled, to greenish grey to dark grey, sub-fissile to blocky, medium hard, trace pyrite.
			QUARTZITE:	10%, white to grey, fine-grained, slightly dolomitic.
			QUARTZ:	10%, white to milky white, dolomitic in part.
2840	-	2850	Sample as above.	
2850	-	2860	SHALE:	65%, light grey to dark grey, partly mottled.
			SANDSTONE:)	
			QUARTZITE:)	15%, as above.
			QUARTZ:	15%, as above.
			CHERT:	5%, clear white, transparent.
2860	-	2870	SHALE:	55%, as above.
			SANDSTONE:)	
			QUARTZITE:)	35%, as above.
			QUARTZ:	10%. as above.
			CHERT:	Trace, as above.
2870	-	2880	QUARTZITE:)	
			SANDSTONE:)	70%, white to dark grey, fine to medium grained, micaceous in part, dolomitic.
			QUARTZ:	15%, white to milky white, dolomitic.
			SHALE:	10%, dark grey to black, massive, partly sub-fissile, associated with broken quartz pieces.
			CHERT:	5%, clear white, transparent.

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2880	-	2890	QUARTZITE:) SANDSTONE: 50%, as above. QUARTZ: 25%, as above. CHERT: 15%, as above. SHALE: 10%, as above.
2890	-	2900	Sample as above.
2900	-	2910	QUARTZITE:) SANDSTONE: 80%, white to dark grey, white mottled with dark grey, fine to coarse grained micaceous in part, slightly dolomitic, QUARTZ: 10%, white to milky white, dolomitic. SHALE: 10%, dark grey, massive and blocky.
2910	-	2920	QUARTZITE:) SANDSTONE: 55%, as above SHALE: 35%, mottled, green grey to dark grey, sub-fissile to blocky, micaceous in part. QUARTZ: 15%, as above. CHERT: Trace
2920	-	2930	QUARTZITE:) SANDSTONE: 75%, white to light grey, medium to coarse grained, micaceous in part, dolomitic, trace pyrite. SHALE: 15%, mottled to dark grey, blocky, quartz veins. QUARTZ: 15%, as above.
2930	-	2940	QUARTZITE:) SANDSTONE: 80%, as above. SHALE: 10%, as above. QUARTZ: 10%, as above.
2940	-	2950	QUARTZITE:) SANDSTONE: 70%, as above. SHALE: 20%, as above. QUARTZ: 10%, as above.
2950	-	2960	SHALE: 55%, medium grey, dark grey in part, blocky and very hard. SANDSTONE: White to light grey, fine to medium grained, quartzitic sandstone QUARTZITE: grading to quartzite, slightly dolomitic QUARTZ: 5%, white to milky white, dolomitic.

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2960 - 2970	SHALE:	65%, as above.
	QUARTZITE:)	
	SANDSTONE:)	25%, as above.
	QUARTZ:	10%, as above.
2970 - 2980	SHALE:	60%, as above.
	QUARTZITE:)	
	SANDSTONE:)	30%, as above.
	QUARTZ:	10%, as above.
2980 - 2990	QUARTZITE:)	
	SANDSTONE:)	70%, as above.
	SHALE:	20%, as above.
	QUARTZ:	10%, as above.
2990 - 3000	QUARTZITE:)	
	SANDSTONE:)	60%, as above.
	SHALE:	20%, as above.
	QUARTZ:	20%, as above.
3000 - 3010	QUARTZITE:)	70%, light grey to dark grey, partly white,
	SANDSTONE:)	salt and pepper, fine to medium grained,
		partly argillaceous, sandstone is quartzitic
		grading to quartzite, slightly dolomitic,
		trace pyrite.
	QUARTZITE:	25%, white to milky white, slightly
		dolomitic.
	SHALE:	5%, dark grey, blocky, hard.
3010 - 3020	QUARTZITE:)	
	SANDSTONE:)	70%, as above.
	SHALE:	10%, as above.
	QUARTZITE:	20%, as above.
	CHERT:	Trace, white, aphanitic, dolomitic.
3020 - 3030	QUARTZITE:)	
	SANDSTONE:	45%, as above.
	QUARTZ:	30%, as above.
	SHALE:	25%, dark grey, blocky, partly flaky,
		some quartz veins.
3030 - 3040	QUARTZITE:)	
	SANDSTONE:)	55%, as above.
	SHALE:	20%, as above.
	QUARTZ:	20%, as above.
	CHERT:	5%, white to buff, aphanitic, dolomitic.

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3040	-	3050	QUARTZITE:) SANDSTONE:)	65%, as above. QUARTZ: 20%, as above. SHALE: 15%, as above. CHERT: Trace
3050	-	3060	QUARTZITE:) SANDSTONE:)	60%, as above. QUARTZ: 20%, as above. SHALE: 20%, as above.
3060	-	3070	QUARTZITE:) SANDSTONE:)	45%, as above. QUARTZ: 30%, as above. SHALE: 20%, as above. CHERT: 5%, as above.
3070	-	3080	QUARTZ: QUARTZITE: SHALE: CHERT:	50%, as above. 30%, as above. 15%, as above. 5%, as above.
3080	-	3090	Sample, as above.	
3090	-	3100	QUARTZITE:) SANDSTONE:)	50%, as above. QUARTZ: 40%, as above. SHALE: 5%, as above. CHERT: 5%, as above.
3100	-	3110	QUARTZITE:) SANDSTONE:)	60%, white to medium grey, salt and pepper, fine to coarse grained, dolomitic, sandstone is quartzitic, grading to quartzite. QUARTZ: 30%, white to milky white, dolomitic. SHALE: 10%, medium to dark grey, blocky, partly flaky. CHERT: Trace., white, aphanitic, dolomitic.
3110	-	3120	QUARTZITE:) SANDSTONE:)	50%, white to medium grey, fine to coarse grained, micaceous in part, quartzitic sandstone is grading to quartzite, dolomitic, trace pyrite. QUARTZ: 40%, white to milky white, dolomitic in part SHALE: 5%, medium to dark grey, blocky, partly sub-fissile, trace quartz veins. CHERT: 5%, clear white to white, dolomitic.

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3120	-	3130	QUARTZITE:)	
			SANDSTONE:)	65%, as above.
			QUARTZ:	20%, as above.
			SHALE:	10%, as above.
			CHERT:	5%, as above.
3130	-	3140	QUARTZITE:)	
			SANDSTONE:)	75%, as above.
			SHALE:	15%, as above.
			QUARTZ:	10%, as above.
3140	-	3150	QUARTZITE:)	
			SANDSTONE:)	70%, as above.
			SHALE:	20%, as above.
			QUARTZ:	10%, as above.
3150	-	3160	QUARTZITE:)	
			SANDSTONE:)	55%, as above.
			SHALE:	30%, as above.
			QUARTZ:	10%, as above.
			CHERT:	5%, as above.
3160	-	3170	QUARTZITE:)	
			SANDSTONE:)	45%, as above with crystals of pyrite.
			SHALE:	45%, as above.
			QUARTZ:	7%, as above.
			CHERT:	3%, as above.
3170	-	3180	SHALE:	55%, medium to dark grey, sub-fissile to blocky, carbonaceous in part, micaceous in part.
			QUARTZITE:)	30%, medium grey, partly white, fine to medium grained, micaceous in part, slightly dolomitic quartzitic sandstone grading to quartzite, trace pyrite.
			SANDSTONE:)	
			QUARTZITE:	10%, white to milky white, dolomitic in part.
			CHERT:	5%, white, dolomitic.
3180	-	3190	QUARTZITE:	50%, as above.
			SHALE:	40%, as above.
			QUARTZ:	5%, as above.
			CHERT:	5%, as above.
3190	-	3200	Sample, as above.	

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3200	-	3210	QUARTZITE:) SANDSTONE:)	55%, buff to brown grey, partly brown, very fine to medium grained, pyritic in part, quartzitic sandstone, grading to quartzite (drilling time increased to 30 - 40'/ft., dolomitic, micaceous.
			SHALE:	35%, grey to medium grey, blocky and massive, very hard, pyritic in part, micaceous in part.
			QUARTZ:	10%, white to milky white, dolomitic.
			CHERT:	Trace, as above.
3210	-	3220	SHALE:	35%, as above.
			QUARTZITE:	35%, as above.
			QUARTZ:	30%, as above.
3220	-	3230	QUARTZITE:	55%, as above.
			SHALE:	25%, as above.
			QUARTZ:	20%, as above.
3230	-	3240	QUARTZITE:	65%, white to grey, fine to medium grained, slightly dolomitic, pyritic, micaceous in part, trace garnet, with some quartzitic sandstone.
			SHALE:	20%, medium to dark grey, blocky, partly sub-fissile, micaceous.
			QUARTZ:	15%, white to milky white.
			CHERT:	Trace, white aphanitic, dolomitic.
3240	-	3250	QUARTZITE:	60%, as above.
			SHALE:	20%, as above.
			QUARTZ:	20%, as above.
3250	-	3260	QUARTZITE:	65%, as above.
			SHALE:	25%, as above.
			QUARTZ:	10%, as above.
3260	-	3270	SHALE:	60%, grey to medium grey, partly mottled, sub-fissile to blocky, trace pyrite.
			QUARTZITE:	30%, white to medium grey, very fine to medium grained, dolomitic in part, pyritic in small part.
			QUARTZ:	10%, white to milky white.
			CHERT:	Trace white, dolomitic.

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3270	-	3280	SHALE:	85%, chocolate brown, partly grey, sub-fissile to blocky, medium hard, flaky in part.
			QUARTZITE:	15%, as above
			QUARTZ:	Trace
3280	-	3290	SHALE:	80%, as above with no trace of Pyrite.
			QUARTZITE:	15%, white to medium grey, very fine to medium grey.
			QUARTZ:	5%, as above.
3290	-	3300	SHALE:	70%, as above.
			QUARTZITE:	25%, as above.
			QUARTZ:	5%, as above.
3300	-	3310	SHALE:	90%, chocolate brown, sub-fissile to fissile medium hard, silty in part, very thin bedded
			QUARTZITE:	10%, white to buff to light brown, grey in part, very fine to fine-grained, slightly dolomitic.
			QUARTZ:	Trace, dolomitic.
3310	-	3320	No sample	
3320	-	3330	SHALE:	80%, as above.
			QUARTZITE:	15%, as above.
			QUARTZ:	5%, as above.
			CHERT:	Trace Milky white, dolomitic.
3330	-	3340	SHALE:	60%, chocolate brown to grey to dark grey, sub-fissile to blocky, medium hard, trace pyrite.
			QUARTZITE:	40%, white to grey, fine to medium grained, trace pyrite, dolomitic.
			QUARTZ:	Trace
3340	-	3350	QUARTZITE:	60%, as above.
			SHALE:	30%, as above.
			QUARTZ:	10%, as above.
			CHERT:	Trace
3350	-	3360	Sample, as above.	
3360	-	3370	QUARTZITE:	75%, white to light grey to medium grey, salt and pepper, fine to medium grained, partly coarse grained, slightly dolomitic, some quartzitic sandstone (colourless quartz pieces embedded).
			SHALE:	20%, medium to dark grey, partly chocolate brown, sub-fissile to blocky, medium hard.
			QUARTZ:	5%, white, dolomitic.

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3370 - 3380	Sample, as above.	
3380 - 3390	Sample, as above.	
3390 - 3400	QUARTZITE:	80%, as above.
	SHALE:	10%, as above.
	QUARTZ:	10%, as above.
3400 - 3410	QUARTZITE:	75%, white to grey, medium to coarse-grained, slightly dolomitic, small pieces of colourless quartz are embedded (cemented), some highly quartzitic sandstone.
	QUARTZ:	15%, clear white to milky white, slightly dolomitic.
	SHALE:	10%, dark grey, few chocolate brown, blocky and massive.
3410 - 3420	QUARTZITE:	75%, as above.
	SHALE:	20%, grey to dark grey, partly chocolate brown, sub-fissile to blocky.
	QUARTZ:	5%, as above.
	CHERT:	Trace, white, aphanitic, dolomitic.
3420 - 3430	QUARTZITE:	55%, as above.
	SHALE:	40%, as above.
	QUARTZ:	5%, as above.
3430 - 3440	SHALE:	70%, as above.
	QUARTZITE:	25%, as above.
	QUARTZ:	5%, as above.
3440 - 3450	SHALE:	50%, as above.
	QUARTZITE:	45%, as above.
	QUARTZ:	5%, as above.
	CHERT:	Trace.
3450 - 3460	SHALE:	45%, as above.
	QUARTZITE:	45%, as above.
	QUARTZ:	10%, as above.
3460 - 3470	SHALE:	65%, as above.
	QUARTZITE:	30%, as above.
	QUARTZ:	5%, as above.
3470 - 3480	Sample, as above.	

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3480 - 3490	QUARTZITE:	50%, as above.
	QUARTZ:	30%, as above.
	SHALE:	15%, as above.
	CHERT:	5%, as above.
3490 - 3500	QUARTZITE:	55%, white to light brown to grey, fine to medium grained, partly coarse grained, dolomitic, grades in small part to quartzitic sandstone.
	QUARTZ:	30%, clear white to white, dolomitic in part.
	SHALE:	10%, light grey to dark grey, blocky.
	CHERT:	5%, white, aphanitic, dolomitic in part.
3500 - 3510	QUARTZITE:) SANDSTONE:)	65%, grey to medium grey, very fine to medium grained, (some small pieces of colourless quartz are embedded) very slightly dolomitic, sandstone is quartzitic, pyritic.
	SHALE:	35%, grey to dark grey, chocolate brown in part, sub-fissile to blocky, hard enough to be called argillite.
	QUARTZ:	Trace, white, dolomitic, associated with quartzite.
3510 - 3520	QUARTZITE:) SANDSTONE:)	60%, as above.
	SHALE:	35%, as above.
	QUARTZ:	5%, as above.
3520 - 3530	QUARTZITE:	55%, as above.
	SHALE:	40%, as above.
	QUARTZ:	5%, as above.
3530 - 3540	QUARTZITE:	65%, as above.
	SHALE:	30%, as above.
	QUARTZ:	5%, as above.
3540 - 3550	QUARTZITE:	70%, as above.
	SHALE:	20%, as above.
	QUARTZ:	10%, as above.
3550 - 3560	QUARTZITE:) SANDSTONE:)	60%, medium to dark grey, fine to medium grained, quartzitic sandstone (pieces of quartz embedded) grading to quartzitic (intense metamorphism the entire sedimentary characteristic has been changed.)
	SHALE:	30%, medium to dark grey, sub-fissile to blocky very hard.
	QUARTZ:	10%, white, dolomitic.

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Scurry North Valley East Watson Lake G-79

3560 - 3570	SHALE:	Grey to dark grey, sub-fissile to blocky, partly fissile, fissile and sub-fissile shales are fragile and blocky ones are hard, partly carbonaceous.
	QUARTZITE:	40%, grey to medium grey, partly white, very fine to fine-grained (colourless quartz grains and pieces are embedded), slightly dolomitic, about 50% quartzitic sandstone.
	QUARTZ:	5%, clear white to milky white, slightly dolomitic.
3570 - 3580	QUARTZITE:	65%, white to grey, as above.
	SHALE:	25%, as above.
	QUARTZ:	5%, as above.
	CHERT:	5%, white, aphanitic to cryptocrystalline, highly dolomitic, grading in part to cherty dolomite.
3580 - 3590	QUARTZ:	50%, light brown to light grey, partly mottled, fine to medium grained, slightly dolomitic.
	SHALE:	45%, as above.
	QUARTZ:	5%, as above.
3590 - 3600	QUARTZITE:	65%, as above.
	SHALE:	35%, as above.
	QUARTZ:	Trace, as above.
3600 - 3610	QUARTZITE:	55%, as above.
	SHALE:	40%, as above to chocolate brown shale in part.
	QUARTZ:	5%, as above.
3610 - 3620	QUARTZITE:	75%, grey, partly light brown, salt and pepper, medium to coarse grained, slightly dolomitic.
	SHALE:	25%, dark grey, blocky, hard.
	QUARTZ:	Trace.
3620 - 3630	QUARTZITE:	55%, white to grey, fine to medium grained, partly coarse-grained, slightly dolomitic, pyritic in part.
	SHALE:	20%, medium to dark grey, sub-fissile to blocky.
	QUARTZ:	20%, white to milky white, slightly dolomitic.
	CHERT:	5%, white, aphanitic to cryptocrystalline, dolomitic.
3630 - 3640	QUARTZITE:	60%, as above.
	SHALE:	20%, as above.
	QUARTZ:	15%, as above.
	CHERT:	5%, as above.

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- 3640 - 3650 QUARTZITE: 45%, as above with trace of garnet, scattered green ferro magnesium minerals.
 QUARTZ: 40%, as above.
 SHALE: 10%, as above.
 CHERT: 5%, as above.
- 3650 - 3660 QUARTZITE: 40%, as above, pyritic, trace garnet.
 QUARTZ: 20%, as above.
 SHALE: 40%, light green grey to dark grey, flaky to blocky, pyritic, trace schist.
- 3660 - 3670 SHALE: 60%, light green, thin bedded, sub-fissile.
 QUARTZITE: 20%, white to light grey, fine to medium grained, some tourmeline, slightly dolomitic
 QUARTZ: 10%, white to milky white, dolomitic.
 SCHIST: 10%, light green grey, quartz-mica (muscovite) with some gneiss.
- 3670 - 3680 SHALE: 70%, light green and chocolate brown, sub-fissile.
 QUARTZITE:) 25%, white to pink brown, very fine to medium grained,
 SCHIST:) with some light coloured quartz-mica schist and some light green gneiss
 QUARTZ: 5%, as above.
- 3680 - 3690 SHALE: 65%, chocolate brown, partly light greenish grey, sub-fissile, micaceous.
 QUARTZITE: 25%, pink to partly white, fine-grained, mica-schist.
 QUARTZ: 10%, as above.
- 3690 - 3700 SHALE: 60%, light green, partly chocolate brown, dark grey in part, sub-fissile, with some mica-schists and trace of gneiss, some pyrite, garnet, biotite and tourmeline
 QUARTZITE: 25%, white to light brown, very fine-grained, with quartz-mica (muscovite) schists and gneiss.
 QUARTZ: 15%, as above.
- 3700 - 3710 QUARTZITE: 50%, white to light brown to pink brown, fine to coarse grained, contains a few pyrite crystals, some quartz-mica schists. In part quartz is sheared, trace tourmeline and garnet.
 SHALE: 40%, chocolate brown, partly light green and dark grey, sub-fissile to blocky, with some schists and few gneiss pieces, pyritic.
 QUARTZ: 10%, white to milky white, dolomitic.

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- 3710 - 3720 QUARTZITE: 45%, as above, with quartz-mica schists.
 SHALE: 45%, as above with schist and few geuiss.
 QUARTZ: 10%, as above.
- 3720 - 3730 QUARTZITE: 45%, as above.
 SHALE: 45%, as above.
 SCHIST: 10%, chocolate brown, mica (muscovite), quartzitic,
 scattered chips of geuiss.
- 3730 - 3740 QUARTZITE: 50%, white to light green to light brown, fine to
 medium grained, quartz-mica schists, quartzitic is
 micaceous.
 SHALE: 35%, green grey to medium grey to chocolate brown,
 sub-fissile to blocky, some geuiss.
 SCHIST: 10%, light green to grey green, white and brown
 mica Schist.
 QUARTZ: 5%, milky white, dolomitic.

Calgary, Alberta
February 5, 1968

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Scurry ~~North Valley~~ East Watson Lake G-79

CORE DESCRIPTION

Core Interval 3741 - 3750 - rec. 9'.

3741 - 3748'3" (7'3")

SHALE: Light grey to dark grey with greenish tinge, thin veins of quartz, thin to medium bedded, Dip - 60 - 70° (light green grey 6" thick bedded shales are interbedded with dark grey).

3748'3" - 3759' (1'9")

SHALE: Medium grey interbedded with chocolate brown, fissile shale. (1/2 - 3/4 of an inch partings of chocolate brown shale).

SECTION 111

ENGINEERING SUMMARY

^{N V}
SCURRY NORTH VALLEY EAST WATSON LAKE G-79 ^{YT}

February, 1968

AMENDMENT

SECTION 111 - ENGINEERING SUMMARY

Scurry NV East Watson Lake YT G-79

(a) CASING RECORD

Ran 22 joints 40.5# 10-3/4" casing. Landed @ 670". Cemented w/690 sax construction cement + 2% CaCl₂. Plug Down @ 6:15 a.m., December 14, 1967.

(b) ABANDONMENT PLUGS

Plug #1 720 - 620 w/75 saxs cement + 3% CaCl₂. Plug Down @ 4:30 p.m. Felt @ 627".

Casing cut off 3' below ground level. Welded on steel plate with identification marker. Dumped 5 saxs of cement on top.

LOGS

<u>Type of Logs Run</u>	<u>Date Run</u>	<u>Intervals</u>
Schlumberger Induction Electrical Log	January 26/68	3744 - 668
Schlumberger Formation Density Log	January 27/68	3744 - 668
Schlumberger Borehole Compensated Log	January 27/68	3744 - 668

ANALYSES

No analyses were run.

SECTION 111 - ENGINEERING SUMMARY

Scurry NV East Watson Lake YT G-79

(a) CASING RECORD

~~Run 22 joints 40.5# 10 3/4" casing. Landed @ 670'. Cemented w/495
sax construction cement + 2% CaCl₂. Plug Down @ 6:15 a.m., December 14, 1967.~~

(b) ABANDONMENT PLUGS

~~Plug #1 720 620 W/75 saxs cement + 3% CaCl₂. Plug Down @ 4:30 p.m.
Felt @ 627'.~~

(c) BIT RECORD

<u>BIT NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>FOOTAGE</u>	<u>DEPTH</u>	<u>HOURS</u>
1	9-7/8	Hughes	OSC3	42	252	4-3/4
2	9-7/8	Hughes	OSC-3	111	363	6-3/4
3	9-7/8	Reed	YTLA	67	460	5-1/2
4	9-7/8	Hughes	OSCIG	51	545	6
5	9-7/8	Hughes	OSCG	52	597	6-3/4
6	9-7/8	Security	H7G	73	670	6-3/4
1	15	Security	H7G	50	490	2-1/2
2	15	Reed		96	586	6
9	15	Reed	Cobra	5	670	1
10	8-3/4	Reed	YHWG	47	944	3-3/4
11	8-3/4	Security	M4L	7	975	2
12	8-3/4	Hughes	XX55R	44	1159	6-1/2
13	8-3/4	Hughes	XX55R	37	1402	6-1/4
14	8-3/4	Reid	SCSG	20	1665	2-3/4
15	8-3/4	Hughes	XX55R	33	1822	5-1/2
16	8-3/4	Reid	SC5G	20	1928	6-1/4
17	8-3/4	Security	H8-J	7	1989	2-1/2

Section 111 - Engineering Summary (cont'd)

Scurry NV East Watson Lake YT G-79

<u>BIT NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>FOOTAGE</u>	<u>DEPTH</u>	<u>HOURS</u>
18	8-3/4	Hughes	RG7X	12	2001	5
19	8-3/4	Hughes	RG7X	24	2049	6-1/4
20	8-3/4	Hughes	X55R	16	2190	6-3/4
21	8-3/4	Reed	THWG	10	2210	5-1/4
22	8-3/4	Hughes	W7J	15	2225	6-1/2
23	8-3/4	Hughes	RG7X	12	2301	5-1/2
24	8-3/4	Hughes	X55R	16	2443	5-1/2
25	8-3/4	Reed	SCSG	34	2661	7
26	8-3/4	Hughes	X55R	20	2877	4-3/4
27	8-3/4	Security	H-8	8	3072	3
28	8-3/4	Hughes	X55R	12	3122	5
29	8-3/4	Hughes	RG1	11	3207	3-3/4
30	8-3/4	Hughes	RG7	16	3342	5-3/4
31	8-3/4	Hughes	X55R	6	3506	3-1/2
32	8-3/4	Hughes	X55R	21	3643	4-3/4
33	8-3/4	Hughes	X55R	5	3741	4-3/4
34	6-1/4	Truco	Diamond	3	3750	1-1/4

Section 111 - Engineering Summary (Cont'd)

Scurry NV East Watson Lake YT G-79

MUD USED

Date	Gel	Caustic	Bicarb	C.M.C.	Ben Ex	Soda Ash
Dec 8	6000	50				
9	1200	50				
10	3300					
11	7700	50				
12	4500	50				
13	3300	50				
14						
15						
16	7200		100			
17						
18	5400	100		50	8	
19	1000				2	
20	3300				7	
21	2500				6	
22	2500			50	9	
23	1500				6	
24	2300			50	8	
25	2000				8	
26	4500			100	10	
27	3800			50	10	
28	2000			50	6	
29	1600			50	4	
30	2000			50	6	
31	2800				10	
Jan 1				25		
2	2800				10	
3	1600			25	2	
4	1000			50	4	
5	2400			50	4	
6	1600				2	
7	1400			50	2	
8	1800	50			2	
9	500				2	
10	1700			50	2	
11	2100				4	150
12	1500				2	150
13	1500			50	4	
14	1000				2	50
15	1000				2	20
16						100
17	1300				6	100
18	1200				2	100
19	600					

Section 111 - Engineering Summary (Cont'd)

Scurry NV East Watson Lake YF G-79

	Date	Gel	Caustic	Bicarb	C.M.C.	Ben Ex	Soda Ash
Jan	20	1800				2	100
	21	600					
	22	1700					50
	23	1200					
	24	900					150
	25	300					
		101900	400	100	750	154	970

Section 111 - Engineering Summary (Cont'd)

Scurry NV East Watson Lake YT G-79

Deviation Record

December 9	Surveys: 75' - 1/2 Deg. 162' - 1/4 Deg. 237' - 3/4 Deg.
December 10	Surveys: 330' - 1/2 Deg. 395' - 1 Deg.
December 11	Surveys: 480' - 1 Deg. 578' - 1-1/4 Deg.
December 12	Survey: 670' - 1-1/4 Deg.
December 16	Survey: 756' - 1-3/4 Deg.
December 17	Surveys: 756' - 1-3/4 Deg. 800' - 1-1/2 Deg. 866' - 3 Deg. 897' - 2-1/2 Deg.
December 18	Survey: 1034' - 1-3/4 Deg.
December 19	Surveys: 1128' - 3 Degs. 1214 - 2-1/4 Deg.
December 20	Survey: 1192' - 2-1/4 Deg.
December 21	Surveys: 1287' - 2 Deg. 1380' - 3-1/4 Deg. 1402' - 3-1/4 Deg.
December 22	Surveys: 1444' - 2-3/4 Deg.
December 24	Survey: 1628' - 2 Deg.
December 25	Surveys: 1691' - 2-1/4 Deg. 1715' - 2-1/4 Deg.
December 26	Survey: 1814' - 3 Deg.
December 27	Survey: 1928 - 3 Deg.
January 2	Surveys: 2225' - 2-3/4 Deg. 2253' - 1-3/4 Deg.
January 3	Surveys: 2284' - 2-1/4 Deg. 2315' - 2-1/8 Deg.
January 4	Surveys: 2344' - 1-3/4 Deg. 2376' - 1-3/4 Deg. 2407' - 1 Deg.

Section 111 - Engineering Summary (Cont'd)

Scurry NV East Watson Lake YT G-79

January 5	Surveys: 2437' - 2 Deg. 2464' - 7/8 Deg.
January 6	Surveys: 2485 - 1-1/2 Deg. 2511 - 1 Deg. 2542 - 2-1/4 Deg.
January 9	Surveys: 2730' - 1-1/2 Deg.
January 10	Surveys: 2793' - 2-1/4 Deg. 2855' - 2-3/4 Deg. 2869' - 2 Deg.
January 11	Survey: 2919' - 2 Deg.
January 12	Surveys: 2981' - 3 Deg. 2010' - 2-3/4 Deg.
January 13	Survey: 3042' - 2-1/2 Deg.
January 14	Surveys: 3104' - 2 Deg. 3136' - 2 Deg.
January 15	Surveys: 3167' - 1-3/4 Deg.
January 16	Survey: 3208' - 2-1/2 Deg.
January 17	Surveys: 3264' - 2-1/4 Deg. 3298' - 2-1/8 Deg.
January 18	Survey: 3342' - 2-1/2 Deg.
January 19	Surveys: 3384' - 3-1/2 Deg. 3415' - 2-1/4 Deg.
January 20	Survey: 3476' - 3 Deg.
January 22	Survey: 3568' - 4 Deg.
January 23	Survey: 3599' - 3-3/4 Deg. 3630' - 3 Deg.
January 24	Survey: 3692' - 3 Deg.
January 25	Survey: 3730' - 4 Deg.
January 26	Survey: 3741 - 4-1/4 Deg.