

BRIGGS TROUT RIVER

No. 6

Drilling Authority No.

Date Issued

WELL NAME Briggs Trout River No. 6

FIELD Wildcat

Area: Trout Lake

LOCATION: Unit

Section

Grid

Latitude 60°57'36" N.

Longitude

120°27'53" W.

From Established Reference Marker

Rig Release Date: 30-3-60

Status D & A

Information Release Date 30-3-62

CHANGE OF NAME:

DATE RECEIVED	INDEX
	Application for a Drilling Authority. Well Completion Data. Well History Report. Application to Amend a Drilling Authority. Application to change a Well Name. Application to Abandon a Well or Suspend Drilling. Application to Alter Condition of a Well. Well History Supplement. Well Completion Data. Work-over Report No. Application to Commingle Production before Measurement. Approval to Commingle Production before Measurement. Application to Amend Approval No. to Commingle Production before Measurement. Application for M.F.R.—Oil. New Oil Well Report. New Gas Well Report. Well Inspection Report. Rig inspection Report. Battery Inspection Report. Field Abandonment Programme and Approval. Well Card. Well Visit. Daily Drilling Reports.

120° 57' 36"
120° 17' 53"
FORM "B"

#66

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

For the period from March 16, 1960
to March 30, 1960

REPORT of ~~COMPLETION~~
~~REWORK-~~
~~SUSPENSION~~ of a Well
~~ABANDONMENT~~

Permit No. 903

Name of well Briggs Trout River No. 6 Lease No.
Registered owner D. Todd Briggs Drilling Company, Catharic MacLaren
Location 60° 57' 36" N. Lat. 120° 17' 53" W. Long.
Survey description, if available
Elevation: Ground 1047 Last previous depth 3600
Kelly bushing 1060 Present depth 0
Spudded March 16, 1960 Finished drilling Mar. 28 Rig Released
Mar. 30/60
Deviations from vertical 180 - 1/4, 603 - 1/2, 957 - 3/4, 1686 - 1, . . .
. . . . 2135 - 1 1/4, 1396 - 1 1/2, 3450 - 1 1/8

CASING RECORD

Date	Size O.D.	Weight lbs/ft	Grade	Set at feet	Sacks Cement	Top of Cement
1 Mar. 18	8 5/8"	24.0	J-55	279	130	Surface
2						
3						
4						

TUBING RECORD

Size	Wt. Lbs/foot	Grade	Amount	Landed Depth	Remarks
Wellhead		(Manufacturer)	(Size)	(Series)	

Pumping or flowing
Plug back
Other
.
.
.
.

CEMENT PLUGS SET

<u>Date</u>	<u>Plug set at</u>	<u>Sacks cement</u>	<u>Method</u>	<u>Top found at</u>
Mar. 29/60	330-340	100	Halliburton	
Mar. 30/60	229-329	70	"	209
Mar. 30/60	Surface	5 plus steel plate		

Washed well samples have been sent to Geological Survey of Canada, Calgary
will be

Cores will be stored at

Core analysis (was made) of the intervals
(to be made)

Oil analysis (was made) of the intervals.
(to be made)

Gas analysis (was made) of the intervals.
(to be made)

Water analysis (was made) of the intervals.
(to be made)

The above analyses (are)
(will be) submitted in accordance with Section 70(2) of
the Regulations.

ADDITIONAL DETAILS AND COMMENTS

.
.
.
.
.

Signed. S. J. B. Marshall Address . 1009 - 4th Ave. S.W. . .
For J.C. Sproule & Associates
Date . May 12, 1960

(To be submitted in triplicate in accordance with Sections
68, 69, 70 and 71, of the Territorial Oil and Gas Regulations
to the Oil Conservation Engineer at Calgary, Alberta.)

CANADA

NORTHERN ADMINISTRATION BRANCH

ABANDON

or

A Wall

4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 10

(Strike out operation which does not apply)

In accordance with Sections 48 & 49 of the Territorial Oil and Gas Regulations, notice is hereby given of our intention to

... abandon ... the well named Briggs Trout River No. 6 ... on Oil

Permit No. 903

and Gas

Registered in the name of D. Todd Briggs
Nonres Account

Depth . 3000 . feet.

Elevation above sea level:

Ground surface . . 1047 . . . ft.

Kelly bushing . . . 1060 . . . ft.

Location . . . 60° 57' 36" . . . N. Lat. . . 120° 17' 53" . . . W. Long.

14,784 . . . (~~XXXXXXXXXXXX~~) (Permit No. 903)
 . . . (S. of N. boundary) of (~~XXXXXXXXXX~~)
 8,554 . . . (W. of E. boundary) of (Permit No. 903)
 . . . (~~XXXXXXXXXXXX~~) (~~XXXXXXXXXX~~)

Survey description, if available

[illegible]

Oil fromfeet tofeet	Fromfeet tofeet withsacks cement
Oil fromfeet tofeet	Fromfeet tofeet withsacks cement

Gas from feet to feet From . . . feet to feet with
sacks of cement.

Gas from feet to feet From . . . feet to feet with
sacks of cement.

Water from feet to feet From feet to feet with
sacks cement.

Water from feet to feet From feet to feet with
sacks cement.

Surface and bottom plugs:

1. from ³⁶⁰⁰ feet to ³³⁰⁰ feet with ¹⁰⁰ sacks cement.
2. from ³²⁹ feet to ²²⁹ feet with ⁷⁰ sacks cement.
3. from feet to feet with sacks cement.

12:00 Noon
Date of last operation ^{March 30, 1960} Total depth ³⁶⁰⁰

Nature of liquid left in well ^{Mad} Level from surface ^{Surface}
on suspension or abandonment

~~Well logs~~
The following logs run ^{Induction - Electrical,}
have been
^{Gamma-Neutron, Sonic}

Produced from zone and
on abandonment of a well which has been on production.

Present condition of well in addition to above
.
.

On abandonment or suspension of drilling we shall comply with Sections 68, 69 and
70 of the Regulations.

Program of operation not included above
.
.
.

Responsible agents of permittee or lessee in charge of operation:
At well . . . ^{Art Whiting} Postal address ^{Ray River, N.W.T.}
^{1117 1st Nation Bank Bldg.}
At registered office ^{A.M. Lloyd} Postal address ^{Dallas 2, Texas.}

It is understood that if changes in this Notice of Intention become
necessary we will promptly notify you.

dated at ^{Calgary} this ⁴ day of ^{April} 1960

Signed by ^{D.J.B. Marshall}
D.J.B. Marshall,
J.C. Sproule & Associates

This program is approved subject to the following provisions

... *beginning of oral approval given by telephone* ...
... *25th March* ...
...
...

... *5th April 1960* ...

Date

... *B. H. Shoms* ...

Oil Conservation Engineer

(To be submitted in triplicate to the Oil Conservation
Engineer at Calgary, Alberta.)

FORM "A"

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION BRANCH

RESOURCES DIVISION

NOTICE OF INTENTION TO BEGIN DRILLING OPERATIONS

or

TO CARRY OUT A STRUCTURE TEST PROGRAM

In accordance with Section 58 of the Territorial Oil and Gas Regulations, notice is hereby given of our intention to begin drilling a well on Oil and Gas Permit No. 903 registered in the name of BRIGGS

D. TODD BRIGGS, Nominee Account

TYPE OF WELL:

Wildcat

~~Development~~

Expected total depth 3,400 feet, in the Watt Mountain formation of Devonian age.

The well will be located at 60°57'34" N. Lat. 120°17'32" W. Long.

3 miles (~~North of~~) (Permit No. 903)
(S. of N. boundary) of ~~Briggs~~
1 1/2 miles (W. of E. boundary) of (Permit No. 903)
(~~North of~~) (~~Briggs~~)

Survey description of Location, if known

Approximate surface elevation of 1,050 feet above sea level.

Name of well Briggs Trout River, No. 6

Type of drilling rig Rotary

Expected date of commencement MARCH 17, 1960.

We propose to use the following strings of casing, cementing them as indicated below:

Size O.D. Inches	Weight lbs/ft	Grade	Brand	New or Used	Estimated Depth	Sacks of Cement
1. <u>8 5/8"</u>	<u>24</u>	<u>J-55</u>	<u>Mannesmann</u>	<u>New</u>	<u>225</u>	<u>175</u>
2.						
3.						

Expected depth of water, gas and oil horizons and method of control:

Controlled by sand program and blowout prevention equipment.

3300'.

An electric log ^{will} be run ^{will} Other logs be run
~~will not~~ ~~will not~~

STRUCTURE TEST PROGRAM

Proposed number of holes Maximum well depth
enclosed within an area bounded by

. N. Latitudes

. W. Longitudes

An electric log ^{will} be run ^{will} Other logs be run
^{will not} ^{will not}

Name and address of drilling contractor
.
.
.

Responsible agents of permittee or lessee in charge of operation:

At well . ART WHITING Postal address . HAY RIVER, N.W.T. . .

At registered
office A.M. LLOYD Postal address 1117 First National Bank Bldg.
Dallas, 2, Texas, U.S.A.

It is understood that if changes in this Notice of Intention become
necessary we will promptly notify you.

Dated at CALGARY . this . 14th day of . MARCH 1960

Signed by *S. E. L. Harding*
S. E. L. HARDING, P. Eng.

This program is approved subject to the following provisions (if any)

15th March 1960
Date

B. H. Shorn
Oil Conservation Engineer.

(To be submitted in triplicate to the Oil Conservation Engineer at
least 15 days prior to the commencement of drilling)

GEOLOGICAL REPORT
BRIGGS TROUT RIVER NO. 6
NORTHWEST TERRITORIES

J. C. SPROULE & ASSOCIATES
GEOLOGICAL & EXPLORATION CONSULTANTS

1009 FOURTH AVENUE WEST
CALGARY - ALBERTA

TELEPHONE:
AMHERST 9 705

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LOGS	
Induction-electrical	In pocket
Gamma-Sonic	In pocket
Gamma-Neutron	In pocket
Visual Well Log	In pocket

SUMMARY OF PERTINENT WELL DATA

Well Name: Briggs Trout River No. 6
Location: 60° 57' 36" N. Lat.
120° 17' 53" W. Long.
Elevation: Ground 1047'
K. B. 1060'
Total Depth: 3,600'
Operator: A. M. Lloyd
Technical Supervision: J. C. Sproule & Associates
D. J. B. Marshall, Engineer
Drilling Contractor: Guthrie McLaren Drilling Ltd.
Spudded: March 16, 1960
Completed: March 30, 1960
Status: Abandoned

<u>Drilling Data:</u>	<u>Hole Size</u> Inches	<u>From</u> Feet	<u>To</u> Feet
	12 1/4	Surface	281
	7 7/8	281	3600

Deviation Surveys

30'	0°	603'	1/2°	2135'	1 1/4°
110'	0°	957'	3/4°	2396'	1 1/4°
180'	1/4°	1142'	1/2°	3075'	1 1/8°
280'	0°	1686'	1°	3450'	1 1/8°

Casing Summary: 8 joints, 265.74' x 8 5/8" x 24.0 lb. new casing, cemented with 130 sacks cement plus 2% CaCl₂ by Halliburton, set at 279' K.B. March 18, 1960.

Core Summary No cores cut.

Summary of Drill Stem Tests:

DST No. 1 3359'-3600'
V.O. 76 mins. Shut in 60 mins. Weak air blow, dead
in 3 mins. Recovered 8 feet mud.

Logs:

Schlumberger

Induction-electrical 279'-3595'
Gamma-Sonic 279'-3595'
Gamma-Neutron 30'-3599'

Abandonment Program:

Plug No. 1 3300'-3600' 100 sacks
Plug No. 2 329'-229' 70 sacks, felt top at 209'
Plug No. 3 5 sacks at surface with steel plate
welded on top.

GEOLOGICAL MARKERSWell Name: Eriggs Trout River No. 6Location: 60° 57' 36" N. Lat.
120° 17' 53" W. Long.

<u>Age</u>	<u>Formation or Group</u>	<u>Depth Feet</u>	<u>Elevation Feet</u>
CRETACEOUS		110	+950
UPPER DEVONIAN			
	Watmain	200	+860
	Trout River	740	+320
	Grumbler	915	+140
	Island River	1390	-330
	Simpson	1430	-370
MIDDLE DEVONIAN			
	Muskeg-Keg River	3315	-2259

DAILY CHRONOLOGICAL WELL REPORTWell Name: Briggs Trout River No. 6Location: 60° 57' 36" N. Lat.
120° 17' 53" W. Long.

Operation ending at 12 midnight.

<u>Date</u>	<u>Total Depth Feet</u>	<u>Progress Feet</u>	<u>Days</u>	<u>Remarks</u>
March 16	41	41	1	Rigged up. Set conductor pipe. Spudded at 11:00 p.m. Drilling 12 1/4" hole.
March 17	281	240	2	Drilled to 281'. Conditioning hole.
March 18	281	0	3	Tried to run surface casing. Would not go in so pulled casing and conditioned hole. Ran 8 joints 265.74' x 8 5/8" x 24.0 lb. J-55 surface casing set at 279' K.B. Cemented with 130 sacks plus 2% CaCl ₂ . Plug down at 4:00 p.m. W.O.C.
March 19	281	0	4	Mud pump burnt up. Pressure tested B.O.P.'s to 700 psi for 15 minutes. Drilling out cement.
March 20	631	350	5	Drilling 7 7/8" hole with Bit No. 1.
March 21	990	359	6	Drilled to 647' with Bit No. 1. Ran in Bit No. 2 and drilled to 910'. Pulled Bit No. 2. Drilling with Bit No. 3.
March 22	1321	331	7	Drilled to 1250' with Bit No. 3. Stuck in hole 5 hours when pulling out. Drilling with Bit No. 4.
March 23	1955	634	8	Drilled to 1806' with Bit No. 4. Drilling with Bit No. 5.
March 24	2396	441	9	Drilled to 2396' with Bit No. 5. Lost mud at about 2250'. Tripping for Bit No. 6.
March 25	3070	674	10	Drilled to 2396' with Bit No. 6. Pulled Bit No. 6. Drilling with Bit No. 7.
March 26	3410	340	11	Drilled to 3325' with Bit No. 7. Pulled Bit No. 7. Drilling with Bit No. 8.

<u>Date</u>	<u>Total Depth Feet</u>	<u>Progress Feet</u>	<u>Days</u>	<u>Remarks</u>
March 27	3518	108	12	Drilled to 3450' with Bit No. 8. Pulled Bit No. 8. Drilling with Bit No. 9.
March 28	3600	82	13	Drilled to 3530' with Bit No. 9. Drilled to 3600' with Bit No. 10. Pulled out to log. Logging.
March 29	3600	0	14	Ran Schlumberger Induction, Gamma-Sonic and Gamma-Neutron logs. Ran DST No. 1 3359'-3600'. Pulled tester out and ran in open-end to run abandonment Plug No. 1, 3300'-3600', 100 sacks. Plug down at 11:15 p.m. Laying down drill pipe.
March 30	3600	0	15	Ran abandonment Plug No. 2 329'-229', 70 sacks cement plus 25 CaCl ₂ . Plug down at 1:30 a.m. Felt top at 209' at 8:00 a.m. Rig released at 12:00 noon, March 30, 1960.

BIT RECORDWell Name:

Briggs Trout River No. 6

Location:60° 57' 36" N. Lat.
120° 17' 53" W. Long.

<u>No.</u>	<u>Size</u> <u>Inches</u>	<u>Make</u>	<u>Type</u>	<u>Serial</u> <u>No.</u>	<u>Depth</u>		<u>Feet</u>	<u>Hours</u>
					<u>From</u> <u>Feet</u>	<u>To</u> <u>Feet</u>		
1A	7 7/8	Reed	YT3	Rerun	0	41	41	1
2A	12 1/4	Hughes	OSC3	Rerun	41	240	199	6 3/4
3A	12 1/4	Hughes	OSC	Rerun	240	281	41	1
1	7 7/8	Reed	YT1	101066	281	647	366	21 1/2
2	7 7/8	Reed	YT	095866	647	981	334	17 1/2
3	7 7/8	Reed	YT	095838	981	1250	269	15 1/2
4	7 7/8	Reed	YT1	101064	1250	1955	705	22
5	7 7/8	Reed	YT1	101064	1955	2396	441	20 1/2
6	7 7/8	Reed	YT1	101060	2396	2928	532	15
7	7 7/8	Reed	YT1	101098	2928	3325	397	16
8	7 7/8	Reed	YT	095822	3325	3450	125	15 1/4
9	7 7/8	Reed	YS1	093815	3450	3530	80	16 3/4
10	7 7/8	Reed	YS1	194363	3530	3600	70	13

MUD RECORDWell Name:

Briggs Trout River No. 6

Location:60° 57' 36" N. Lat.
120° 17' 53" W. Long.

<u>Date</u>	<u>Depth</u>		<u>Average Weight</u>	<u>Average Water Loss c.c.</u>	<u>Average Viscosity</u>	<u>p.H.</u>	<u>Additives Lbs.</u>
	<u>From Feet</u>	<u>To Feet</u>					
March 16	0	41	-	-	-	-	6100 Gel
March 17	41	281	9.3	-	85	-	5100 Gel
March 18	281	281	9.3	-	165	-	4000 Gel
March 19	281	281	-	-	-	-	400 Bicarbonate
March 20	281	631	9.1	4.6	50	12.5	1700 Gel 200 Caustic 200 Spersene 650 Starch
March 21	631	990	9.5	4.5	70	12.5	1100 Gel 100 Caustic 200 Starch 100 Spersene
March 22	990	1321	10.3	4.5	60	12.5	600 Gel 150 Starch 50 Spersene 50 Caustic
March 23	1321	1955	10.6	4.2	100	12.5	1000 Gel 350 Starch 200 Spersene 200 Caustic
March 24	1955	2396	10.9	4.7	125	12.0	3000 Gel 500 Starch 350 Caustic 450 Spersene
March 25	2396	3070	10.9	4.5	120	12.0	1500 Gel 275 Caustic 300 Spersene 300 Starch
March 26	3070	3410	11.1	5.0	115	12.0	1100 Gel 500 Starch 300 Spersene 300 Caustic

<u>Date</u>	<u>Depth</u>		<u>Average Weight</u>	<u>Average Water Loss c.c.</u>	<u>Average Viscosity</u>	<u>p.H.</u>	<u>Additives Lbs.</u>
	<u>From Feet</u>	<u>To Feet</u>					
March 27	3410	3518	11.3	4.6	150	12.0	1400 Gel 700 Starch 300 Spersene 275 Caustic
March 28	3518	3600	11.2	3.6	200	12.5	2200 Gel 300 Starch 225 Caustic 250 Spersene

SURFACE CASING TALLY

Well Name:

Briggs Trout River No. 6

Location:

60° 57' 36" N. Lat.
120° 17' 53" W. Long.

8 joints 8 5/8" x 24.0 lb. J-55 new Mannesman casing.

<u>No.</u>	<u>Feet</u>
1.	27.76
2.	28.47
3.	33.02
4.	31.80
5.	25.25
6.	38.70
7.	40.80
8.	38.02
	1.90 Float shoe
	<u>265.74</u>

Total depth of hole 281'

Size of hole 12 1/4"

Depth casing set 279' K.B.

Cemented with 130 sacks cement plus 2% CaCl₂
by Halliburton

TIME DRILLING RECORDWell Name:

Briggs Trout River No. 6

Location:60° 57' 36" N. Lat.
120° 17' 53" W. Long.

<u>Depth</u> <u>Feet</u>	<u>Time In Minutes</u>									
3310-3320	3,	3,	3,	3,	3,	2,	4,	3,	3,	4
3320-3330	5,	5,	6,	10,	4,	4,	4,	4,	4,	4
3330-3340	5,	5,	4,	4,	5,	4,	4,	4,	4,	4
3340-3350	4,	4,	3,	3,	4,	3,	4,	4,	4,	4
3350-3360	3,	5,	4,	5,	7,	6,	6,	5,	6,	6
3360-3370	6,	7,	8,	6,	7,	6,	6,	7,	6,	7
3370-3380	8,	6,	7,	6,	7,	6,	5,	8,	6,	8
3380-3390	8,	8,	8,	8,	8,	8,	7,	7,	7,	8
3390-3400	8,	9,	6,	10,	8,	9,	8,	8,	8,	9
3400-3410	7,	9,	9,	8,	8,	10,	10,	9,	10,	8
3410-3420	9,	10,	8,	9,	8,	10,	8,	9,	9,	9
3420-3430	9,	8,	7,	9,	8,	9,	8,	9,	9,	9
3430-3440	10,	9,	10,	9,	12,	9,	9,	10,	9,	10
3440-3450	11,	11,	10,	11,	11,	10,	10,	10,	10,	10
3450-3460	9,	9,	8,	8,	9,	10,	8,	6,	7,	7
3460-3470	9,	5,	10,	8,	10,	9,	10,	9,	9,	8
3470-3480	9,	9,	9,	10,	11,	10,	10,	10,	11,	11
3480-3490	10,	9,	9,	9,	10,	6,	9,	10,	9,	8
3490-3500	9,	10,	10,	13,	12,	12,	13,	14,	12,	13
3500-3510	15,	15,	15,	16,	13,	15,	14,	15,	16,	14
3510-3520	15,	15,	13,	15,	12,	17,	20,	20,	20,	21
3520-3530	20,	20,	19,	20,	20,	19,	21,	23,	25,	28
3530-3540	11,	11,	11,	11,	11,	11,	13,	12,	12,	9
3540-3550	12,	11,	11,	15,	10,	11,	11,	9,	12,	12
3550-3560	11,	11,	12,	10,	10,	10,	14,	8,	12,	11
3560-3570	10,	10,	10,	9,	9,	9,	9,	9,	10,	9
3570-3580	11,	10,	11,	8,	12,	11,	11,	12,	12,	11
3580-3590	10,	10,	11,	11,	11,	10,	10,	10,	10,	10
3590-3600	12,	14,	10,	11,	14,	12,	14,	14,	13,	14

SAMPLE DESCRIPTION

Well Name: Briggs Trout Flier No. 6

Location: 60° 57' 36" N. Lat.
120° 17' 53" W. Long.

<u>Depth</u> Feet	<u>Description</u>
Surface-110	Glacial Drift
<u>CRETACEOUS - 110'</u>	
110-150	Shale - dark grey, fissile, earthy.
150-160	Shale - as above, finely pyritic.
160-200	Interbedded shale - as above, and sandstone, light grey, fine-grained, very dirty and tight, glauconitic.
<u>WABAMIN GROUP - 200'</u>	
200-280	Shale - medium grey and brown, calcareous, fissile.
280-410	Shale - light grey, calcareous.
410-470	Limestone - cream to tan, dense to microcrystalline, pyritic, minor fossils, slightly silty.
470-490	Limestone - cream coloured, dense, calcite veins lined with pyrites.
490-530	Limestone - light grey to tan, dense, silty, fossiliferous in part.
530-570	Limestone - light grey and tan, dense, silty.
570-660	Limestone - buff, dense to microcrystalline, very slightly silty, fragmental in part.
660-740	Limestone - buff, dense to microgranular, silty to sandy, very fine-grained, minor limestone, buff with bl & pellets, dense.
<u>TROUT RIVER FORMATION - 740'</u>	
740-810	Limestone - buff and light grey, dense to microgranular, silty with minor light grey calcareous siltstone.

<u>Depth Feet</u>	<u>Description</u>
810-850	Limestone - buff, microgranular, sandy to silty.
850-920	Sandstone - light greenish grey and light grey, very fine-grained, glauconitic, calcareous; grading to siltstone, light grey, calcareous.
<u>GRUMBLER FORMATION - 915'</u>	
920-930	Limestone - buff, dense to microcrystalline, silty, minor interbedded sandstone, light greenish grey, very fine-grained, calcareous, some poor porosity.
930-1000	Limestone - cream coloured, dense to microcrystalline, s. ft., chalky in part.
1000-1030	Siltstone - grey and greenish grey, calcareous; and sandstone, grey and greenish grey, very fine-grained, calcareous, tight.
1030-1040	Limestone - light grey, microgranular, silty to sandy.
1040-1060	Limestone - buff and light grey, microgranular, very sandy to silty, trace of glauconite, fossiliferous.
1060-1130	Siltstone - light greenish grey, calcareous; traces of shale, green, calcareous; and limestone, light grey, silty.
1130-1160	Siltstone - greenish grey, argillaceous, fossiliferous; with minor shale, green, calcareous, silty; and limestone, buff, dense.
1160-1200	Shale - dull green, very slightly calcareous; with siltstone as above.
1200-1290	Shale - dark green, very slightly calcareous, traces of brown shale, non-calcareous.
1290-1310	Siltstone - light grey, calcareous.
1310-1370	Shale - medium grey to dark green, slightly calcareous.
1370-1390	Limestone - brownish grey, microgranular, silty, tight, fossiliferous.
<u>ISLAND RIVER LIMESTONE - 1,390'</u>	
1390-1430	Limestone - cream to buff coloured, microgranular, silty, mostly tight with traces of porosity, fossiliferous.

Depth Feet	Description
<u>SIMPSON FORMATION - 1,470'</u>	
1430-1470	Shale - medium grey, dark green and greyish brown, non-calcareous.
1470-1520	Interbedded siltstone - light grey, calcareous; and shale, as above; sandstone, light grey, very fine-grained, calcareous at 1,510'.
1520-1620	Shale - brown to medium grey, non-calcareous with minor siltstone partings greyish green.
1620-1650	Shale - brown, grey and green, non-calcareous; green calcareous siltstone at 1,640'.
1650-1830	Interbedded shale - greenish grey, dark grey, and greyish brown, non-calcareous; siltstone, greenish grey, calcareous; sandstone, greyish green, very fine-grained, calcareous; traces of buff dense limestone.
1830-2040	Shale - dark green, and greyish brown, non-calcareous; traces of siltstone, green, calcareous.
2040-2070	Siltstone - green to buff, calcareous; interbedded shale, as above. Trace of buff, dense limestone.
2070-2090	Shale - dark greyish green and brown, non-calcareous; minor limestone, buff, dense, argillaceous in part.
2090-2160	Shale - dark greyish green and brown, non-calcareous; traces of siltstone, green, calcareous; and limestone, buff, dense.
2160-2190	Siltstone - light grey, calcareous, grading to shale as above.
2190-2270	Shale - dark greyish green and brown, non-calcareous; traces of siltstone, as above.
2270-2320	Interbedded shale, greenish grey and limestone, buff, dense.
2320-2390	Shale - greenish grey, non-calcareous; minor siltstone, green, calcareous, pyritic.
2390-2490	Shale - greenish grey, very slightly calcareous, silty in part, splintered shape to castings.
2490-2740	Shale - medium grey, very slightly calcareous.
2740-3275	Shale - greenish grey, very slightly calcareous, silty in part, traces of brown shale.

<u>Depth Feet</u>	<u>Description</u>
3275-3315	Shale - dark brown to black, bituminous.
<u>MUSKEG-KEG RIVER FORMATION - 3,315'</u>	
3315-3450	Limestone - light to dark brown, dense to microcrystalline and microgranular, bituminous, tight, argillaceous in part, pyritic, traces of very poor intergranular porosity throughout, probably partings of black shale, bituminous and calcareous.
3450-3480	Limestone - buff to cream coloured, dense, chalky in part, minor limestone, dark brown, dense, fragmental, bituminous.
3480-3505	Limestone - medium to dark brown, dense to microcrystalline, bituminous, argillaceous in part, fragmental in part.
3505-3510	Limestone - medium to dark brown, dense and microgranular, bituminous, tight, argillaceous.
3510-3600	Limestone - medium to dark brown, dense to microcrystalline, bituminous, in part argillaceous, traces of limestone, buff, dense, chalky in part.

DRILL STEM TEST REPORT

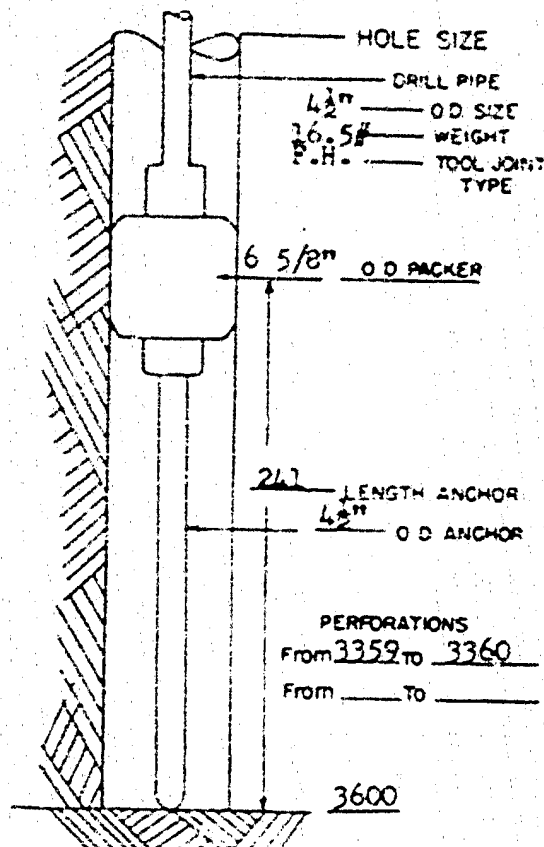
15.

Briggs Trout
Well Name River
Field Wildcat
Testing Company Lynes United Services Ltd.
Date Commenced March 29, 1960

Well No. 6

TEST No. 1
District N.W.T.
Province N.W.T.
Operator C. Hank
Date Completed March 29, 1960

Run No. 1



Formation Tested Middle Devonian
Section Tested From 3359 To 3600 ft.
Mud Properties: Wt. 11.0 Vis. 200 sec.
Filtrate 3.6 c.c. Filter Cake Gel
Water Cushion 0 ft.
Type of Packer Bob-tail
Choke Size, surface Bottom Hole 1/2"

Time	Remarks
1:00 p.m.	Tester started in hole
3:20 p.m.	Tester on bottom
3:23 p.m.	Tester opened
5:08 p.m.	Tester closed
6:06 p.m.	Tester pulled loose
8:00 p.m.	Tester out of hole
76 mins.	Total time tester open

Weight:
Set on Packer 20,000 lbs. Pull Packer Loose 90,000 lbs.
Weight drill pipe Before Test 45,000 After Test 45,000
Mud level in casing Full
Nature of Blow Weak, dead in 3 mins.
Maximum Surface Pressure 0
Maximum Trap Pressure 0

Gas Flow: - MCF/day: How Gauged By
Oil Flow: - bbls. in hrs. Est. 24-hr. Flow Rate How Gauged
Size flow line - Inch. I.D. Size Office inch.

Recovery in Drill Pipe:

	stands	feet	bbls.	Remarks
Free oil	-			
Mud	-	8		
Water	-			
Gravity of oil	-	° API @	° F.	
Oil sample obtained	-			Water sample obtained

Pressures:

Type of pressure bomb (s) used Kuster
Maximum Flowing Pressure 36 PSI
30,60 Minute Shut in Pressure 180, 154 PSI
Static Mud Pressure after unseating packer 1966 PSI
Mechanically, was Test satisfactory? Yes

REMARKS:

Weak air blow, dead in 3 minutes.

Engineer: D. J. B. MARSHALL
J. C. SPROULE & ASSOCIATES, CALGARY.

GEOLOGICAL AND ENGINEERING SUMMARY

Well Name: Briggs Trout River No. 6

Location: 60° 57' 36" N. Lat.
120° 17' 53" W. Long.

Briggs Trout River No. 6 was drilled 0.6 miles northeast of Briggs Trout River No. 2, and 2.3 miles southwest of Briggs Trout River No. 4, in the northeast corner of Oil and Gas Permit No. 903, registered in the name of D. Todd Briggs. The well was drilled in an attempt to delineate the northern edge of the white limestone present in the No. 2 well at a depth of 3,207 feet.

Stratigraphically the well was similar to the No. 4 well with a black bituminous shale overlying the dark limestone at the top of the Middle Devonian.

The well was drilled to a total depth of 3,600 feet and logs were run. On test from 3,359 to 3,600 feet for 76 minutes, eight feet of mud were recovered.

No particular drilling problems were encountered during the operation and the well was abandoned in 15 days.

D. B. Marshall
D. J. B. Marshall

S. R. L. Harding
S. R. L. Harding, P. Eng.

1009 Fourth Avenue S. W.,
Calgary, Alberta.
April 29, 1960.

GEOLOGICAL AND ENGINEERING SUMMARY

Well Name: Briggs Trout River No. 6

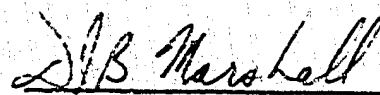
Location: 60° 57' 36" N. Lat.
120° 17' 53" W. Long.

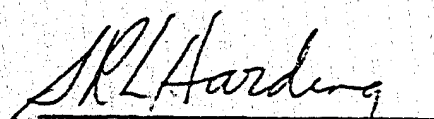
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1009 Fourth Avenue S. W.,
Calgary, Alberta.
April 29, 1960.

D. Todd Briggs - Nominee
COMPANY

Briggs Trout River No. 6
WELL NAME AND NUMBER

TEST NO.

March 29, 1960
DATE

LYNES UNITED SERVICES LTD.

1000 - 10th AVENUE S.W., CALGARY, ALBERTA

SERVICE REPORT

UNITED TESTERS LTD.

1000 - 10th Ave. West



Calgary, Alberta

Phone CHerry 4-2506

PRESSURE READINGS

TYPE OF TEST Formation

Inside:
REC. NO. 909 CAP. 4000 DEPTH 3366'
POINTS

INTERVAL TESTED 3359' to 3400'

INITIAL HYD. 2014 1

HOLE SIZE 7 7/8" MUD WT. 11.0

INITIAL SHUT-IN 189 2

FLUID CUSHION M1

INITIAL FLOW 36 3

FLOW PERIOD 60 minutes

FINAL FLOW 36 4

INITIAL SHUT-IN PER 30 minutes

FINAL SHUT-IN 154 5

FINAL SHUT-IN PER 60 minutes

FINAL HYD. 1966 6

BLOW Very weak air blow, dead

PRESSURE READINGS

in 3 minutes

Outside:
REC. NO. 904 CAP. 5000 DEPTH 3371'
POINTS

FLUID RECOVERY 8' drilling mud.

INITIAL HYD. 2020 1

TEMP. M.C.F.

INITIAL SHUT-IN 185 2

SUR. CHOKE BOT. CHOKE 1/2"

INITIAL FLOW 40 3

TICKET NO. 788

FINAL FLOW 40 4

FINAL SHUT-IN 160 5

FINAL HYD. 1980 6

REMARKS

PRESSURES ON BUILD-UP

D. Todd Briggs - Nowinee

Briggs Trout River No. 6

D.S.T. No. 1

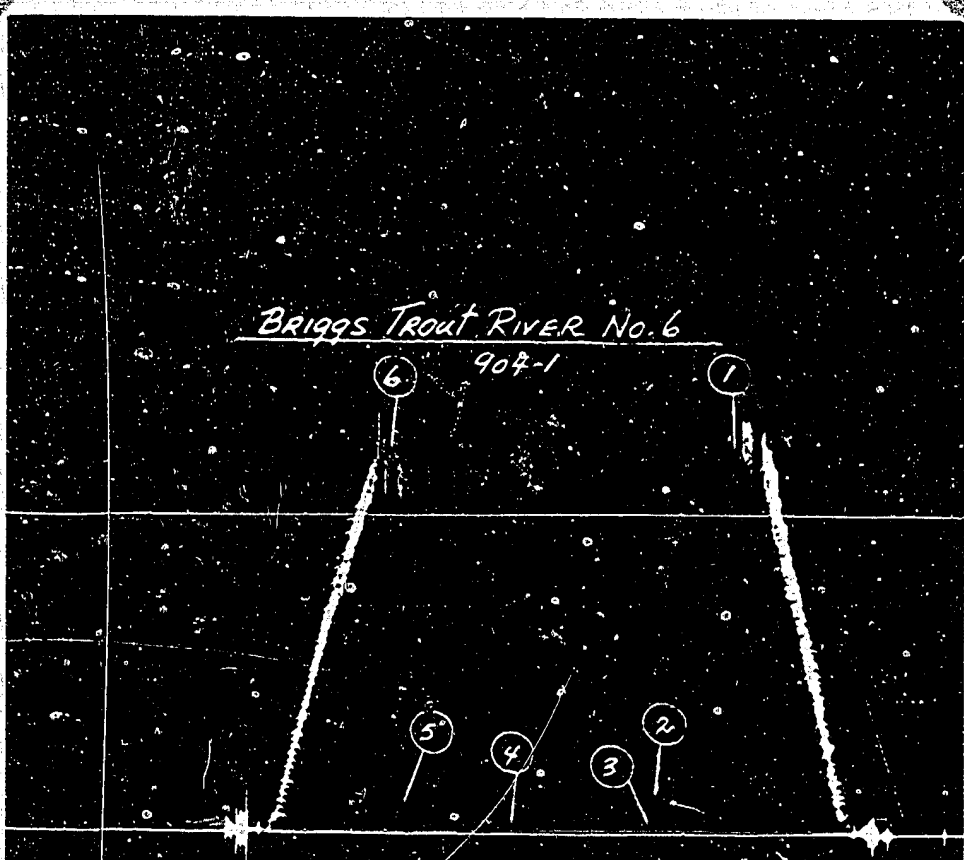
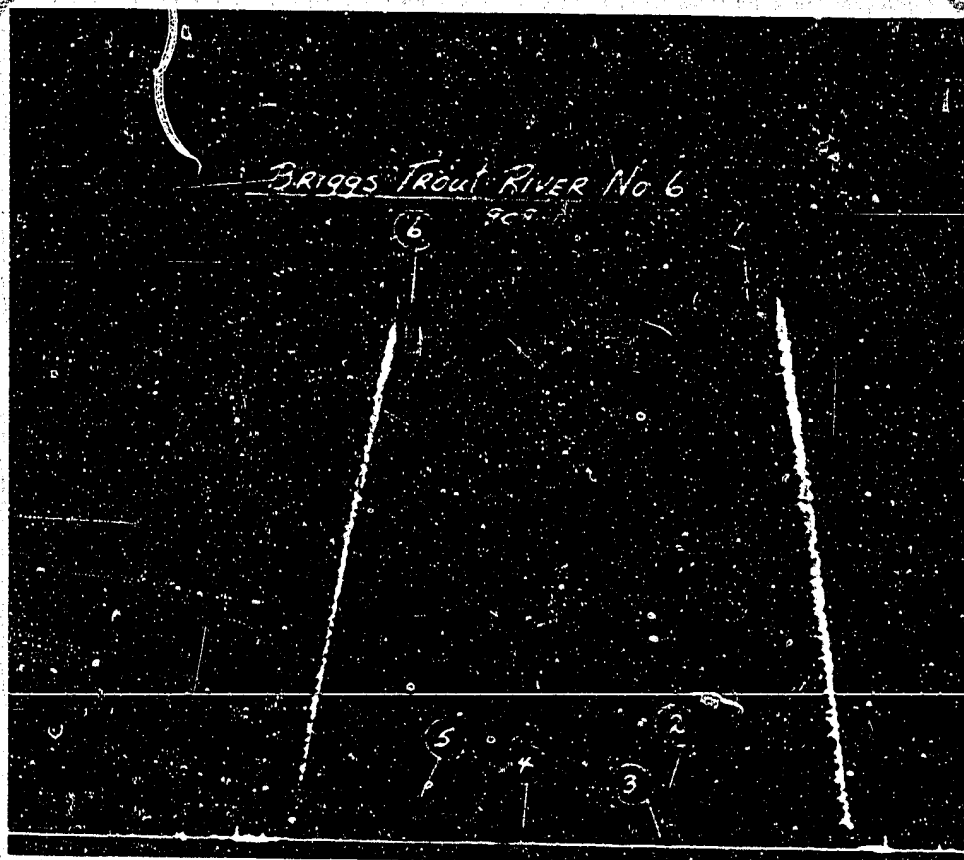
March 29, 1960

D. Todd Miller - Hoelting
COMPANY

Briggs Trout River No. 6
WELL NAME AND NUMBER

TEST NO.

March 29, 1960
DATE

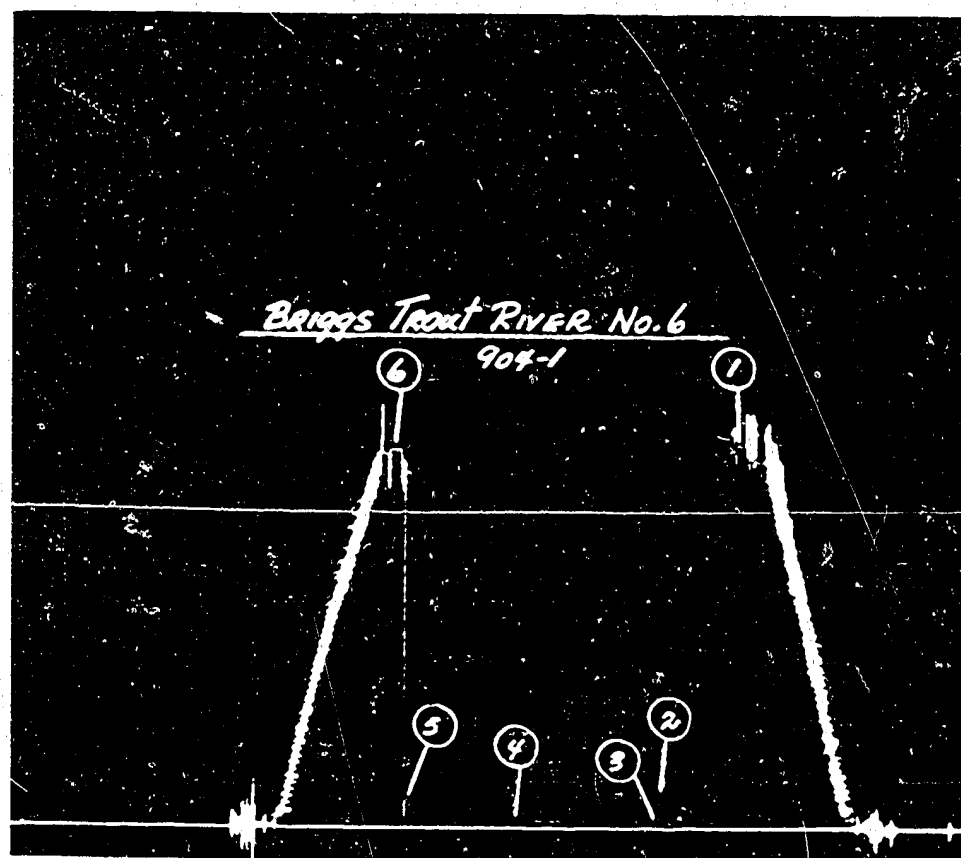
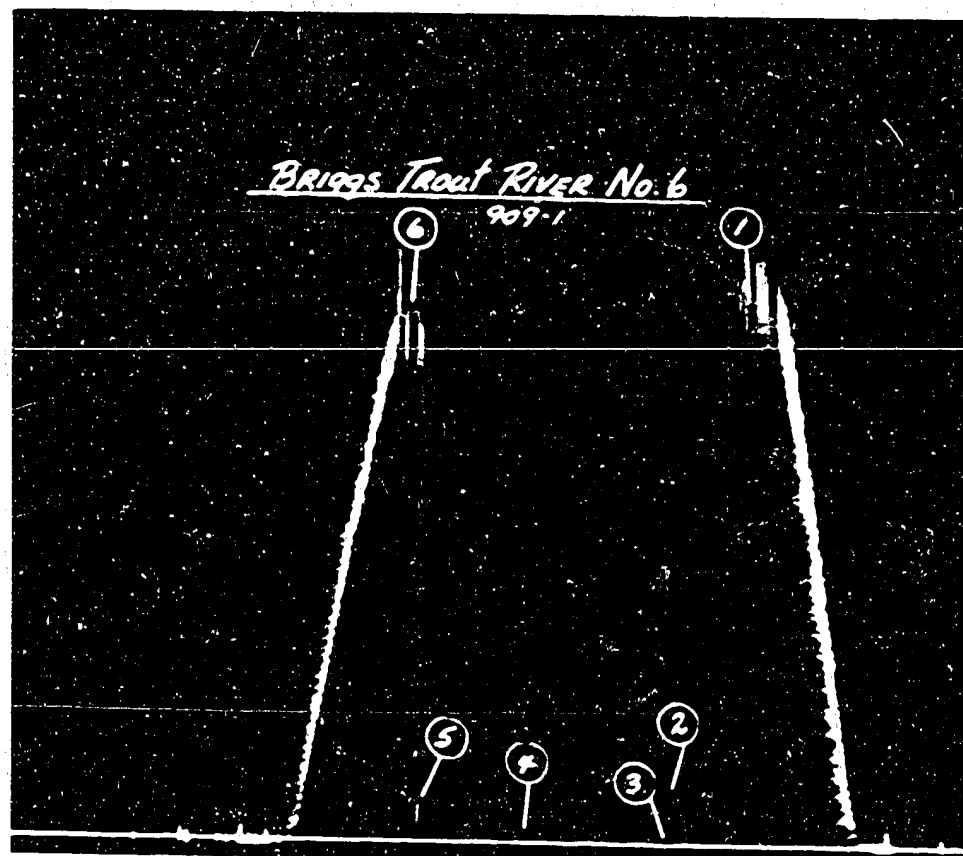


BRIGGS TROUT RIVER NO. 6
909-1

BRIGGS TROUT RIVER NO. 6
WELL NAME AND NUMBER

TEST NO. 1

March 29, 1960
DATE



REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS
PULL UP TO RUN PLUG #2	17.00	1.00	LAYING DOWN PIPE	8.00	8.15	
RUN PLUG #2	1.00	1.30	TEARING OUT B.O.P.	9.15	12.00	TEARING OUT RIG
W.D.C.	1.30	7.30				
RUN IN FEEL PLUG #2	7.30	8.00	TEARING OUT RIG	12.00	4.00	
PLUG #2 329-229						
CEMENT W/ 70 SAK INLAND						
CEMENT + 2% CALL						
DOWN @ 1.30 AM.			Rig Released 12 ⁰⁰ NOON			
FELT PLUG #2 @ 209						
@ P.A.M.						

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. BRIGGS TROUT RIVER #6

Tool Pusher

Date MARCH 29/60

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Drilled From _____ To _____ Hole Made _____

Drilled From _____ To _____ Hole Made _____

Drilled From DST #1 To INT. TESTED Hole Made 3600-3389

Bit No.		No. Stds.	Length	32 29.39	Bit No.		No. Stds.	Length		Bit No.		No. Stds.	Length	
Serial No.		No. D.C.'s	Length	253.10	Serial No.		No. D.C.'s	Length		Serial No.		No. D.C.'s	Length	
Bit Size			Length		Bit Size			Length		Bit Size			Length	
Bit Type			Length		Bit Type			Length		Bit Type			Length	
Dr. from		Kelly in =		17.51	Dr. from		Kelly in =			Dr. from		Kelly in =		
Dr. to		TOTAL =		3600.00	Dr. to		TOTAL =			Dr. to		TOTAL =		
Cored from		D.C.O.D. Top	Hrs. On Bottom		Cored from		D.C.O.D. Top	Hrs. On Bottom		Cored from		D.C.O.D. Top	Hrs. On Bottom	
Cored to		D.C.L.D. Top	Hrs. Off Bottom		Cored to		D.C.L.D. Top	Hrs. Off Bottom		Cored to		D.C.L.D. Top	Hrs. Off Bottom	
Reamed from		Pipe Size	Trip Time		Reamed from		Pipe Size	Trip Time		Reamed from		Pipe Size	Trip Time	
Reamed to		C.S.G. Set at	Serv. Time		Reamed to		C.S.G. Set at	Serv. Time		Reamed to		C.S.G. Set at	Serv. Time	
Total Bit Footage		C.S.G. Size	Rep. Time		Total Bit Footage		C.S.G. Size	Rep. Time		Total Bit Footage		C.S.G. Size	Rep. Time	
Bit Hrs.		Pipe in Hole	Jts.	Diesel Fuel Meter Reading	Bit Hrs.		Pipe in Hole	Jts.	REMARKS:	Bit Hrs.		Pipe in Hole	Jts.	REMARKS:
Table R.P.M.		Pipe on Racks	Jts.	Today	Table R.P.M.		Pipe on Racks	Jts.		Table R.P.M.		Pipe on Racks	Jts.	

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease	Jts.		Depth	Deviation	Total Pipe on Lease	Jts.	
Depth	Deviation			Consumption	Gals.	Depth	Deviation			Depth	Deviation			
Depth	Deviation					Depth	Deviation			Depth	Deviation			
Depth	Deviation					Depth	Deviation			Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size			No. 2 Pump Size			Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size			No. 2 Pump Size						
12							Liner Size			Liner Size			8							Liner Size			Liner Size						
1							Water-Loss	Filter Cake	PH	9							Water-Loss	Filter Cake	PH	5							Water-Loss	Filter Cake	PH
2										10										6									
3										11										7									
4										12										8									
5							Mud Added Sacks			1							Mud Added Sacks			9							Mud Added Sacks		
6							Chemicals Added Lbs.			2							Chemicals Added Lbs.			10							Chemicals Added Lbs.		
7										3										11									

CREW				MATERIALS CHARGED TO OPERATOR				CREW				MATERIALS CHARGED TO OPERATOR				CREW				MATERIALS CHARGED TO OPERATOR			
Driller	<u>N. CLARK</u>	Core Bit	Serial	Driller	<u>H. B. AMFORD</u>	Core Bit	Serial	Driller	<u>E. LACASSE</u>	Core Bit	Serial	Driller	<u>E. LACASSE</u>	Core Bit	Serial	Driller	<u>E. LACASSE</u>	Core Bit	Serial	Driller	<u>E. LACASSE</u>	Core Bit	Serial
Derrickman	<u>H. HUBBARD</u>	Reaming Bit	Serial	Derrickman	<u>A. L. MOURNER</u>	Reaming Bit	Serial	Derrickman	<u>J. SAGEBS</u>	Reaming Bit	Serial	Derrickman	<u>J. SAGEBS</u>	Reaming Bit	Serial	Derrickman	<u>J. SAGEBS</u>	Reaming Bit	Serial	Derrickman	<u>J. SAGEBS</u>	Reaming Bit	Serial
Cat Headman	<u>D. CORDASH</u>	Core Cutters SF. HF.	Core Catchers SF. HF.	Cat Headman	<u>C. R. WILKINSON</u>	Core Cutters SF. HF.	Core Catchers SF. HF.	Cat Headman	<u>N. BERSTADTSEER</u>	Core Cutters SF. HF.	Core Catchers SF. HF.	Cat Headman	<u>N. BERSTADTSEER</u>	Core Cutters SF. HF.	Core Catchers SF. HF.	Cat Headman	<u>N. BERSTADTSEER</u>	Core Cutters SF. HF.	Core Catchers SF. HF.	Cat Headman	<u>N. BERSTADTSEER</u>	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	<u>D. TINDALL</u>	Swab Cups	Swab Rubbers	Rotary Helper	<u>M. LAURENCE</u>	Swab Cups	Swab Rubbers	Rotary Helper	<u>L. THOMAS</u>	Swab Cups	Swab Rubbers	Rotary Helper	<u>L. THOMAS</u>	Swab Cups	Swab Rubbers	Rotary Helper	<u>L. THOMAS</u>	Swab Cups	Swab Rubbers	Rotary Helper	<u>L. THOMAS</u>	Swab Cups	Swab Rubbers
Fireman	<u>C. STEHR</u>			Fireman	<u>D. MACHESY</u>			Fireman	<u>W. KUBITUS</u>			Fireman	<u>W. KUBITUS</u>			Fireman	<u>W. KUBITUS</u>			Fireman	<u>W. KUBITUS</u>		
Leaseman				Leaseman	<u>J. GERBERAND</u>			Leaseman				Leaseman				Leaseman				Leaseman			

REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO
LOGGING	12.00	8.00	LOGGING	8.00	11.15	SEAL- R.C.					
PIPE TAPING 1.37 O.F			MAKE UP TEST TOOL	11.15	12.00	TESTING					
			RUN IN TO TEST	12.00	3.15	SHOT IN					
			TESTING	3.15	11.00	HAIST PACKER					
						BREAK & lay down tool					
						RUN IN					
						CIRE					
						Run Plug #1 & Pump same					
						Pull up to #2 Laying down DP					
						Plug					
						Plug #1 3600-3300- GEMENT w/ 100 SAX					
						Enland CEMENT Disp. w/ 46 B&S mud					

Artel...
Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. TROUT RIVER #6 BRIGGS

Date MARCH 28/60

Lsd. Sec. Twp. Rge. W.

Tool Pusher

Drilled From 3518 To 3532 Hole Made 14

Drilled From 3559 To 3576 Hole Made 44

Drilled From 3576 To 3600 Hole Made 24

Bit No.	9	10	No. Stds.	57	Length	3268.43
Serial No.	093815	194363	No. D.C.'s		Length	253.10
Bit Size	7 7/8	7 7/8			Length	
Bit Type	VS1	VS1			Length	
Dr. from	3450	3530	Kelly in =	10.47		
Dr. to	3530	3532	TOTAL =	3532.00		
Cored from			D.C.O.D. Top	6 1/4	Hrs. On Bottom	4 3/4
Cored to			D.C.I.D. Top	278	Hrs. Off Bottom	3 1/4
Reamed from			Pipe Size	4 1/2	Trip Time	
Reamed to			C.S.G. Set at	279	Serv. Time	
Total Bit Footage	80	2	C.S.G. Size	8 3/8	Rep. Time	
Bit Hrs.	16 3/4	3/4	Pipe in Hole	Jts.	Diesel Fuel Meter Reading	
Table R.P.M.	80	80	Pipe on Racks	Jts.	Today	300 GFL

Bit No.	10	No. Stds.	54-5	Length	3298.99
Serial No.	194363	No. D.C.'s	9	Length	253.10
Bit Size	7 7/8			Length	
Bit Type	VS1			Length	
Dr. from	3530	Kelly in =	3591		
Dr. to	3576	TOTAL =	3576.00		
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/4
Cored to		D.C.I.D. Top	178	Hrs. Off Bottom	14
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	279	Serv. Time	
Total Bit Footage	46	C.S.G. Size	8 3/8	Rep. Time	
Bit Hrs.	8 1/2	Pipe in Hole	109	Jts.	REMARKS:
Table R.P.M.	80	Pipe on Racks	34	Jts.	B.O.P 3 D/K.

Bit No.	10	No. Stds.	55	Length	3224.39
Serial No.	194363	No. D.C.'s	9	Length	253.10
Bit Size	7 7/8			Length	
Bit Type	VS1			Length	
Dr. from	3570	Kelly in =	17.51		
Dr. to	3600	TOTAL =	3600.00		
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	4 1/2
Cored to		D.C.I.D. Top	274	Hrs. Off Bottom	3 1/2
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	279	Serv. Time	
Total Bit Footage	70	C.S.G. Size	8 3/8	Rep. Time	
Bit Hrs.	13	Pipe in Hole		Jts.	REMARKS:
Table R.P.M.	80	Pipe on Racks		Jts.	

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday
Depth	Deviation	Consumption	Gals.	
Depth	Deviation			
Depth	Deviation			

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday
Depth	Deviation	Consumption	Gals.	
Depth	Deviation			
Depth	Deviation			

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday
Depth	Deviation	Consumption	Gals.	
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12	11.3	165	65	700	1/2	✓	7X12	7X12
1	11.3	161	65	700	1/2	✓	Water-Loss	Filter Cake
2	11.3	152	65	700	1/2	✓	4.6	4.32
3	11.3	135	65	700	1/2	✓		12.5
4	11.3	137	65	700	1/2	✓		
5							Mud Added Sacks	
6							Chemicals Added Lbs.	
7	11.3	137	65	700	1/2	✓		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
8	11.2	156	57	600	1/2	✓	7 1/4 X 12	5 X 10
9	11.2	142	57	600	1/2	✓	Water-Loss	Filter Cake
10	11.2	131	57	600	1/2	✓	4.2	2/32
11	11.2	163	57	600	1/2	✓	4.1	2/32
12	11.1	152	57	600	1/2	✓	4.4	2/32
1	11.1	143	57	600	1/2	✓	Mud Added Sacks	
2	11.1	138	57	600	1/2	✓	Chemicals Added Lbs.	
3	11.1	137	57	600	1/2	✓		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
4	11.2	164	65	600	1/2	✓	7 1/4 X 12	5 X 10
5	11.2	156	65	600	1/2	✓	Water-Loss	Filter Cake
6	11.2	141	65	600	1/2	✓	4.6	2/32
7	11.2	146	65	600	1/2	✓	3.6	2/32
8	11.2	105	65	600	1/2	✓	4.0	2/32
9	11.2	149	65	600	1/2	✓	Mud Added Sacks	
10	11.2	202	65	600	1/2	✓	Chemicals Added Lbs.	
11	11.2							

CREW	MATERIALS CHARGED TO OPERATOR
Driller D. CLARK	Core Bit
Derrickman H. HUNTER	Reaming Bit
Headman P. HUNTER	Core Cutters SF. HF.
Rotary Helper D. TINDALL	Swab Cups
Fireman C. STEHR	Swab Rubbers
Leaseman	

CREW	MATERIALS CHARGED TO OPERATOR
Driller H. BARNARD	Core Bit
Derrickman P. HUNTER	Reaming Bit
Headman C. HUNTER	Core Cutters SF. HF.
Rotary Helper D. LAFFENZ	Swab Cups
Fireman D. MACKAY	Swab Rubbers
Leaseman J. BERBERAND	

CREW	MATERIALS CHARGED TO OPERATOR
Driller F. LACASSE	Core Bit
Derrickman T. SPILERS	Reaming Bit
Headman N. BERGSTRASSER	Core Cutters SF. HF.
Rotary Helper L. THOMAS	Swab Cups
Fireman W. KUBILUS	Swab Rubbers
Leaseman	

REMARKS	FROM	TO
SERV R.C	12:00	12:15
DRILLING	12:15	4:15
TRIP FOR BIT	4:15	6:45
CLEAN OUT TO BOTTOM	6:45	7:15
DRILLING	7:15	8:00

REMARKS	FROM	TO
SERVICE R.C	8:00	8:15
DRILLING 7 7/8 HOLE	8:15	4:00

REMARKS	FROM	TO
SEAL R.C	4	4:15
DRILLING	4:15	8:45
CARE PAID TO LOC.	8:45	10:00
PULL OUT CHAIN TONGE 18 STDS	10:00	
STRAP PIPE		12:00

Art W. H.
 Company Representative
 Tool Pusher

GUTHRIE MCLAREN DRILLING LTD.

Well No. Briggs Trout River # 6
 Lsd. Sec. Twp. Rge. W.

Date March 22/60

Drilled From 3416 To 3450 Hole Made 40
 Drilled From 3450 To 3482 Hole Made 32
 Drilled From 3482 To 3518 Hole Made 36

Bit No. 8	No. Stds. 52 1/2	Length 2178.97	Bit No. 9	No. Stds. 53	Length 3208.57	Bit No. 9	No. Stds. 53-5	Length 3238.07
Serial No. 093815	No. D.C.'s 9	Length 253.10	Serial No. 093815	No. D.C.'s 9	Length 253.10	Serial No. 093815	No. D.C.'s 9	Length 253.10
Bit Size 7 7/8		Length	Bit Size 7 7/8		Length	Bit Size 7 7/8		Length
Bit Type YF		Length	Bit Type YF		Length	Bit Type YF		Length
Dr. from 3425	Kelly in 17.93		Dr. from 3450	Kelly in 20.51		Dr. from 3450	Kelly in 25.83	
Dr. to 3450	TOTAL 3450.00		Dr. to 3482	TOTAL 3482.00		Dr. to 3518	TOTAL 3518.00	
Cored from	D.C.O.D. Top 1 1/4 Hrs. On Bottom 6 1/4		Cored from	D.C.O.D. Top 1 1/4 Hrs. On Bottom 5		Cored from	D.C.O.D. Top 6 1/4 Hrs. On Bottom 7 3/4	
Cored to	D.C.I.D. Top 7 7/8 Hrs. Off Bottom 1 3/4		Cored to	D.C.I.D. Top 2 3/4 Hrs. Off Bottom 3		Cored to	D.C.I.D. Top 2 3/4 Hrs. Off Bottom 1 1/4	
Reamed from	Pipe Size 4 1/2 Trip Time		Reamed from	Pipe Size 4 1/2 Trip Time		Reamed from	Pipe Size 4 1/2 Trip Time	
Reamed to	C.S.G. Set at 279 Serv. Time		Reamed to	C.S.G. Set at 279 Serv. Time		Reamed to	C.S.G. Set at 279 Serv. Time	
Total Bit Footage 125	C.S.G. Size 8 3/8 Rep. Time		Total Bit Footage 32	C.S.G. Size 8 3/8 Rep. Time		Total Bit Footage 65	C.S.G. Size 8 3/8 Rep. Time	
Bit Hrs. 15 1/4	Pipe in Hole 105 Jts. Diesel Fuel Meter Reading		Bit Hrs. 5	Pipe in Hole Jts. REMARKS: CHECKED OK		Bit Hrs. 12 3/4	Pipe in Hole Jts. REMARKS: FUEL 6"	
Table R.P.M. 140 20.000	Pipe on Racks 30 Jts. Today 1 FT		Table R.P.M. 80	Pipe on Racks Jts. OPEN HOLE OK		Table R.P.M. 80	Pipe on Racks Jts. FUEL 6"	

Depth 3450 Deviation 1 1/8	Total Pipe on Lease 135 Jts. Yesterday	Depth Deviation	Consumption Gals.	Depth Deviation	Total Pipe on Lease Jts. OPEN HOLE OK	Depth Deviation	Total Pipe on Lease Jts.
Depth Deviation		Depth Deviation		Depth Deviation		Depth Deviation	
Depth Deviation		Depth Deviation		Depth Deviation		Depth Deviation	

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size			
12	11.3	135	57	700	1/2	✓	7 1/4 x 12	5 x 10	8							7 1/4 x 12	5 x 10	4	11.3	127	57	700	1/2	✓	7 1/4 x 12	5 x 10			
Liner Size 6 1/2							Liner Size 5"			Liner Size 6.0							Liner Size 5"			Liner Size 6.0							Liner Size 5"		
1	11.3	138	57	700	1/2	✓	Water-Loss	Filter Cake	PH	9						Water-Loss	Filter Cake	PH	5	11.3	124	57	700	1/2	✓	Water-Loss	Filter Cake	PH	
2	11.3	138	57	700	1/2	✓	H-6	7/32	12.0	10	11.3	138	57	700	1/2	5.0	2/32	12.0	6	11.3	118	57	700	1/2	✓	5.2	7/32	12.0	
3	11.2	144	57	700	1/2	✓	H-8	7/32	12.5	11	11.3	135	57	700	1/2				7	11.3	129	57	700	1/2	✓	H-6	7/32	12.5	
4	11.2	152	57	700	1/2	✓				12	11.3	137	57	700	1/2				8	11.3	146	57	700	1/2	✓				
5	11.2	152	57	700	1/2	✓	Mud Added Sacks 4 1/2	2500		1	11.3	130	75	400	1/2	Mud Added Sacks			9	11.3	167	65	650	1/2	✓	Mud Added Sacks	GEL	900	
6	11.2	158	57	700	1/2	✓	Chemicals Added Lbs. 7 1/2	300		2	11.3	138	75	400	1/2	Chemicals Added Lbs.			10	11.2	147	65	650	1/2	✓	Chemicals Added Lbs.	MV-LD-JEL	400	
7	11.3	160	57	700	1/2	✓	Supernova 2100			3	11.3	136	75	400	1/2				11	11.3	156	65	650	1/2	✓		SPERSE	200	
MATERIALS CHARGED TO OPERATOR							CREW			MATERIALS CHARGED TO OPERATOR							CREW			MATERIALS CHARGED TO OPERATOR									
Supernova 2100																				Caustic 175									

CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR
Driller N. LARSEN	Core Bit Serial	Driller H. BARNFORD	Core Bit Serial	Driller F. LARSEN	Core Bit Serial
Derrickman D. H. BARNFORD	Reaming Bit Serial	Derrickman A. M. BARNFORD	Reaming Bit Serial	Derrickman N. BARNFORD	Reaming Bit Serial
Core Headman D. LARSEN	Core Cutters SF. HF.	Core Headman D. LARSEN	Core Cutters SF. HF.	Core Headman D. LARSEN	Core Cutters SF. HF.
Rotary Helper T. LARSEN	Swab Cups	Rotary Helper M. LARSEN	Swab Cups	Rotary Helper T. LARSEN	Swab Cups
Rotary Hel er		Rotary Helper		Rotary Helper	
Fireman C. LARSEN		Fireman D. LARSEN		Fireman C. LARSEN	
Leaseman		Leaseman T. LARSEN		Leaseman	

REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO
SER. RIG	12:00	12:15	SERVICE RIG	8:00	8:15	SERVO RIG	4:15	4:15
DRILLING	12:15	6:30	RUN IN W/ NEW BIT	8:15	9:15	DRILLING	4:15	12:00
CIRCULATING PRIOR TO TRIP	6:30	6:45	REPACK PUMP RODS	9:15	10:00			
SURVEY	6:45	7:00	DRILLING 7 7/8 HOLE	10:00	11:15			
PULLING FOR BIT	7:00	8:00	WORK ON PUMP	11:15	11:45			
			DRILLING 7 7/8 HOLE	11:45	3:15			
			WORK ON PUMP	3:15	3:45			
			DRILLING	3:45	4:00			

Well No. Briggs, Trout River, #6
Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Drilled From 3070 To 3245 Hole Made 175

Drilled From 3245 To 3340 Hole Made 75

Drilled From 3340 To 3410 Hole Made 70

Bit No.	No. Stds.	Length	Bit No.	No. Stds.	Length	Bit No.	No. Stds.	Length	Bit No.	No. Stds.	Length
7	49	2968.84	7	49	2968.84	8	49	3059.44	8	49	312007
Serial No.	No. D.C.'s	Length	Serial No.	No. D.C.'s	Length	Serial No.	No. D.C.'s	Length	Serial No.	No. D.C.'s	Length
101098	9	253.10	101098	9	253.10	095822	9	253.10	095822	9	253.10
Bit Size		Length	Bit Size		Length	Bit Size		Length	Bit Size		Length
7 3/4			7 3/4			7 3/4			7 3/4		
Bit Type		Length	Bit Type		Length	Bit Type		Length	Bit Type		Length
VTI			VTI			VT			VT		
Dr. from	Kelly in =	23.06	Dr. from	Kelly in =	27.46	Dr. from	Kelly in =	36.85	Dr. from	Kelly in =	36.85
2928			2928			3325			3325		
Dr. to	TOTAL =	3245.00	Dr. to	TOTAL =	3240.00	Dr. to	TOTAL =	3410.00	Dr. to	TOTAL =	3410.00
3245			3245			3410			3410		
Cored from	D.C.O.D. Top	Hrs. On Bottom	Cored from	D.C.O.D. Top	Hrs. On Bottom	Cored from	D.C.O.D. Top	Hrs. On Bottom	Cored from	D.C.O.D. Top	Hrs. On Bottom
	6 1/4	7 3/4		6 1/4	7 3/4		6 1/4	7 3/4		6 1/4	7 3/4
Cored to	D.C.I.D. Top	Hrs. Off Bottom	Cored to	D.C.I.D. Top	Hrs. Off Bottom	Cored to	D.C.I.D. Top	Hrs. Off Bottom	Cored to	D.C.I.D. Top	Hrs. Off Bottom
	2 3/4	1/4		2 3/4	1/4		2 3/4	1/4		2 3/4	1/4
Reamed from	Pipe Size	Trip Time	Reamed from	Pipe Size	Trip Time	Reamed from	Pipe Size	Trip Time	Reamed from	Pipe Size	Trip Time
	4 1/2			4 1/2			4 1/2			4 1/2	
Reamed to	C.S.G. Set at	Serv. Time	Reamed to	C.S.G. Set at	Serv. Time	Reamed to	C.S.G. Set at	Serv. Time	Reamed to	C.S.G. Set at	Serv. Time
	279	1/4		279	1/4		279	1/4		279	1/4
Total Bit Footage	C.S.G. Size	Rep. Time	Total Bit Footage	C.S.G. Size	Rep. Time	Total Bit Footage	C.S.G. Size	Rep. Time	Total Bit Footage	C.S.G. Size	Rep. Time
317	4 3/4		317	4 3/4		85	8 3/8		85	8 3/8	
Bit Hrs.	Pipe in Hole	Jts.	Bit Hrs.	Pipe in Hole	Jts.	Bit Hrs.	Pipe in Hole	Jts.	Bit Hrs.	Pipe in Hole	Jts.
12 1/2	95		16	101		9	105		9	105	
Table R.P.M.	Pipe on Racks	Jts.	Table R.P.M.	Pipe on Racks	Jts.	Table R.P.M.	Pipe on Racks	Jts.	Table R.P.M.	Pipe on Racks	Jts.
140	23		140	34		140			140		

Depth 3075	Deviation 1/8°	Total Pipe on Lease 121 Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease 135 Jts.	Depth	Deviation	Total Pipe on Lease	Jts.
Depth	Deviation		Consumption	Gals.	Depth	Deviation	Depth	Deviation		
Depth	Deviation				Depth	Deviation	Depth	Deviation		
Depth	Deviation				Depth	Deviation	Depth	Deviation	Full 22"	

Service																													
Time	Wt.	Vls.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vls.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vls.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size			
12	109	127	57	700	1/2	✓	Liner Size 7 1/4 x 12	Liner Size 5 x 10	8	109	130	57	700	2/3	✓	Liner Size 7 1/4 x 14	Liner Size 5 x 10	4	113	96	57	700	1/2	✓	Liner Size 6 1/2	Liner Size 5			
1	109	131	57	700	1/2	✓	Water-Loss	Filter Cake	PH	9	109	134	57	700	2/3	✓	Water-Loss	Filter Cake	PH	5	113	108	57	700	1/2	✓	Water-Loss	Filter Cake	PH
2	109	132	57	700	1/2	✓	5	2 1/32	12.5	10	109	136	57	700	2/3	✓	4.5	3/32	12	6	112	115	57	700	1/2	✓	5.0	2 1/32	11.5
3	109	126	57	700	1/2	✓	4.8	2 1/32	12.5	11	109	133	57	700	2/3	✓				7	111	126	57	700	1/2	✓	4.5	2 1/32	12.0
4	109	119	57	700	1/2	✓	4.8	2 1/32	12.5	12									8	111	133	57	700	1/2	✓				
5	109	116	57	700	1/2	✓	Mud Added Sacks	MY L-0-JEK 300#	1							Mud Added Sacks		9	111	123	57	700	1/2	✓	Mud Added Sacks	MARGOREL 600#			
6	109	122	57	700	2/3	✓	Chemicals Added Lbs.	SPERSENE 100#	2							Chemicals Added Lbs.	Spersene 750	10	111	118	57	700	1/2	✓	Chemicals Added Lbs.	MY L-0-JEK 200#			
7	111	123	57	700	2/3	✓	Caustic 100#		3	111	97	87	700	2/3	✓	Caustic 50		11	111	115	57	700	1/2	✓	Caustic 150#	SPERSENE 100#			
MATERIALS CHARGED TO OPERATOR																													

CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR	
Driller	K. LACASSE	Core Bit	Serial	Driller	D. CLARK	Core Bit	Serial	Driller		Core Bit	Serial
Headman	J. SPEARS	Reaming Bit	Serial	Derrickman	H. HUCULAK	Reaming Bit	Serial	Derrickman		Reaming Bit	Serial
Headman	N. BERESREISER	Core Cutters SF. HF.	Core Catchers SF. HF.	Cat. Headman	D. GORDASH	Core Cutters SF. HF.	Core Catchers SF. HF.	Cat. Headman		Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	I. THOMAS	Swab Cups	Swab Rubbers	Rotary Helper	D. TINDALL	Swab Cups	Swab Rubbers	Rotary Helper		Swab Cups	Swab Rubbers
Rotary Helper				Rotary Helper				Rotary Helper			
Fireman	W. Kuhlhus			Fireman	C. STEHR			Fireman			
Leaseman				Leaseman	I. FERBRANDT			Leaseman			

[illegible]

Tool Pusher

Well No. Bearp Trout Run # 6
Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Date March 25/66

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Drilled From 1396 To 2675 Hole Made 280

Drilled From 2676 To 2916 Hole Made 240

Drilled From 2916 To ~~1370~~ 3070 Hole Made 154

Bit No.	6	No. Stds.	39-5	Length	2391.89	Bit No.	6	No. Stds.	43-5	Length	2635.82	Bit No.	6	7	No. Stds.	46	Length	2786.50
Serial No.	101080	No. D.C.'s	9	Length	253.10	Serial No.	101080	No. D.C.'s	9	Length	253.10	Serial No.	101080	101098	No. D.C.'s	9	Length	253.10
Bit Size	7 3/4			Length		Bit Size	7 3/4			Length		Bit Size	7 3/4	7 3/4			Length	
Bit Type	VTI			Length		Bit Type	VTI			Length		Bit Type	VTI	VTI			Length	
Dr. from	12391	Kelly in =			32.01	Dr. from	2396	Kelly in =			27.08	Dr. from	12396	2928	Kelly in =			3040
Dr. to	2676	TOTAL =			2676.00	Dr. to	2916	TOTAL =			2916.00	Dr. to	2928		TOTAL =			30700.0
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7	Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4	Cored from			D.C.O.D. Top	6 1/4	Hrs. On Bottom	5
Cored to		D.C.I.D. Top	2 1/4	Hrs. Off Bottom	1	Cored to		D.C.I.D. Top	2 1/4	Hrs. Off Bottom	1 1/4	Cored to			D.C.I.D. Top	2 1/4	Hrs. Off Bottom	3
Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from			Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	279	Serv. Time		Reamed to		C.S.G. Set at	279	Serv. Time	1/4	Reamed to			C.S.G. Set at	279	Serv. Time	
Total Bit Footage	280	C.S.G. Size	8 7/8	Rep. Time		Total Bit Footage	520	C.S.G. Size	8 5/8	Rep. Time		Total Bit Footage	532	142	C.S.G. Size	8 7/8	Rep. Time	
Bit Hrs.	7	Pipe in Hole	99	Jts.	Diesel Fuel Meter Reading	Bit Hrs.	14 3/4	Pipe in Hole	87	Jts.	REMARKS:	Bit Hrs.	15	4 3/4	Pipe in Hole	92	Jts.	REMARKS:
Table R.P.M.	160	Pipe on Racks	56	Jts.	Today FAL 3' 2"	Table R.P.M.	160	Pipe on Racks	48	Jts.	CHECKED ROP	Table R.P.M.	160	160	Pipe on Racks	27	Jts.	

Depth	Deviation	Total Pipe on Lease 139 Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease 135 Jts. P KELLY ROCK	Depth	Deviation	Total Pipe on Lease 119 Jts.
Depth	Deviation		Consumption Gals.	Depth	Deviation		Depth	Deviation	
Depth	Deviation			Depth	Deviation		Depth	Deviation	
Depth	Deviation			Depth	Deviation		Depth	Deviation	FUEL 9-10

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size			
							7 1/4 x 12									7 1/4 x 12									7 1/4 x 12	5 1/2 x 10			
12	107.71	57	600	1/4	✓		Liner Size 6 1/4	Liner Size	8	11	75	57	700	1/2	✓	Liner Size 6 1/2	Liner Size	4	10.9	107	57	700	1/2	✓	Liner Size 4 1/2	Liner Size 5			
1	107.73	57	600	1/4	✓		Water-Loss	Filter Cake	PH	9	11	83	57	700	1/2	✓	Water-Loss	Filter Cake	PH	5						Water-Loss	Filter Cake	PH	
2	107.70	57	600	1/4	✓		4.8	2/32	12.5	10	11	91	57	700	1/2	✓	4.7	2/32	12.0	6						4.9	2/32	11.5	
3	107.76	57	600	1/4	✓		4.6	2/32	12.5	11	11	103	57	700	1/2	✓	5.2	2/32	12.5	7	10.9	121	57	700	1/2	✓	4.5	2/32	12.0
4	107.78	57	600	1/4	✓					12	11	105	57	700	1/2	✓	5.0	2/32	12.5	8	10.9	126	57	700	1/2	✓	4.6	2/32	12.0
5	107.81	57	600	1/4	✓		Mud Added Sacks	100 Lb. TEL 150#		1	11	110	57	700	1/2	✓	Mud Added Sacks	774 Lb. TEL 150#		9	10.9	119	57	700	1/2	✓	Mud Added Sacks	774 Lb. TEL 150#	
6	107.83	57	600	1/4	✓		Chemicals Added Lbs.	250#		2	11	90	57	700	1/2	✓	Chemicals Added Lbs.	774 Lb. TEL 150#		10	10.4	123	57	700	1/2	✓	Chemicals Added Lbs.	774 Lb. TEL 150#	
7	107.76	57	600	1/4	✓			SPERSENE 50#		3	10.9	101	57	700	1/2	✓		SPERSENE 50#		11	10.9	124	57	700	1/2	✓		SPERSENE 50#	

CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR		
Driller	F. LAPASSE		Core Bit		Serial	Driller	O. CLARK		Core Bit		Serial	Driller	H. CAMFORD		Core Bit		Serial
Derrickman	T. SAFFERS		Reaming Bit		Serial	Derrickman	H. MULLINX		Reaming Bit		Serial	Derrickman	W. BARNER		Reaming Bit		Serial
Core Headman	M. BEACHREUSER		Core Cutters SF. HF.		Core Catchers SF. HF.	Core Headman	P. GORDASH		Core Cutters SF. HF.		Core Catchers SF. HF.	Core Headman	C. HUCKLEB.		Core Cutters SF. HF.		Core Catchers SF. HF.
Rotary Helper	J. THOMAS		Swab Cups		Swab Rubbers	Rotary Helper	D. FINDALL		Swab Cups		Swab Rubbers	Rotary Helper	M. LAERENZ		Swab Cups		Swab Rubbers
Rotary Helper						Rotary Helper						Rotary Helper					
Fireman	W. K. HILLOS					Fireman	C. STEHR					Fireman	D. PACKES				
Leaseman						Leaseman	J. FERBRANDT					Leaseman					

[illegible]

GUTHRIE McLAREN DRILLING LTD.

Well No. Tarrant River # 6
Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____Drilled From 1955 To 2167 Hole Made 212Drilled From 2167 To 2300 Hole Made 133Drilled From 2300 To 2396 Hole Made 96

Bit No.	5	No. Stds.	31	Length	1876.81
Serial No.	101064	No. D.C.'s	9	Length	253.10
Bit Size	7 7/8			Length	
Bit Type	VTI			Length	
Dr. from	1955	Kelly in =		37.09	
Dr. to	2167	TOTAL =		2167.00	
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	279	Serv. Time	
Total Bit Footage	212	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	7	Pipe in Hole	621	Jts.	
Table R.P.M.	160	Pipe on Racks	73	Jts.	

Depth	2135	Deviation	1 1/4"	Total Pipe on Lease	135 Jts.
Depth		Deviation		Consumption	Gals.
Depth		Deviation			
Depth		Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12	108	126	57	500	1/3	✓	7 1/4 X 12	7 1/4 X 12
1	108	127	57	500	1/3	✓	Liner Size 6 1/2	Liner Size
2	108	126	57	500	1/3	✓	Water-Loss	Filter Cake
3	108	128	57	500	1/3	✓	4-2	7/32
4	108	125	57	600	1/3	✓	4-6	7/32
5	108	124	57	600	1/3	✓	Mud Added Sacks	
6	108	126	57	600	1/3	✓	Chemicals Added Lbs.	SPERSENE 50 #
7	108	94	57	600	1/3			CAUSTIC 50 #

CREW	MATERIALS CHARGED TO OPERATOR
Driller <u>F. LAPASSE</u>	Core Bit
Derrickman <u>J. SAEERS</u>	Reaming Bit
Cat Headman <u>N. BEAUSWISER</u>	Core Cutters SF. HF.
Rotary Helper <u>L. THOMAS</u>	Swab Cups
Fireman <u>W. KUBATINS</u>	Swab Rubbers
Leaseman	

REMARKS	FROM	TO
SEAU- R.R.	12	1215
Run in PEAN TIGHT	1215	
SPOT.		12.45
DRILLING	12.45	6.30
SURVEY	6.30	6.45
DRILLING	6.45	8.00

Bit No.	5	No. Stds.	33 1/2	Length	2027.23
Serial No.	101064	No. D.C.'s	9	Length	253.10
Bit Size	7 7/8			Length	
Bit Type	VTI			Length	
Dr. from	1955	Kelly in =		19.67	
Dr. to	2300	TOTAL =		2300.00	
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1/4
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	279	Serv. Time	1/4
Total Bit Footage	345	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	14 3/4	Pipe in Hole	67	Jts.	
Table R.P.M.	150	Pipe on Racks	68	Jts.	

Depth		Deviation		Total Pipe on Lease	135 Jts.
Depth		Deviation			
Depth		Deviation			
Depth		Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
8	113	83	57	575	1/2	✓	7 1/4 X 12	7 1/4 X 12
9	113	79	57	575	1/2	✓	Liner Size 6 1/2	Liner Size
10	113	81	57	575	1/2	✓	Water-Loss	Filter Cake
11	112	96	57	575	1/2	✓	4-2	7/32
12	112	86	57	575	1/2	✓	5-4	7/32
1	108	70	57	575	1/2	✓	Mud Added Sacks	
2	108	92	57	575	1/4	✓	Chemicals Added Lbs.	SPERSENE 50 #
3	109	103	57	575	1/4	✓		CAUSTIC 50 #

CREW	MATERIALS CHARGED TO OPERATOR
Driller <u>O. CLARK</u>	Core Bit
Derrickman <u>H. HUCILAK</u>	Reaming Bit
Cat Headman <u>D. GORDASH</u>	Core Cutters SF. HF.
Rotary Helper <u>D. TINDRIL</u>	Swab Cups
Fireman <u>L. STEHR</u>	Swab Rubbers
Leaseman <u>L. GERBRANDT</u>	

REMARKS	FROM	TO
SEAU RIGS CHECK BOPSE KELLY	8 ⁰⁰	
LOCK (O.R.)	8 ¹⁵	
DRAG.	8 ¹⁵	

Bit No.	5	No. Stds.	35	Length	2118.60
Serial No.	101064	No. D.C.'s	9	Length	253.10
Bit Size	7 7/8			Length	
Bit Type	VTI			Length	
Dr. from	1955	Kelly in =		2430	
Dr. to	2396	TOTAL =		2396.00	
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	5 3/4
Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	2 1/4
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	279	Serv. Time	
Total Bit Footage	441	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	20 1/2	Pipe in Hole	70	Jts.	
Table R.P.M.	150	Pipe on Racks	65	Jts.	

Depth	2396	Deviation	14.9%	Total Pipe on Lease	135 Jts.
Depth		Deviation			
Depth		Deviation			
Depth		Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
4	109	140	57	600	1/4	✓	7 1/4 X 12	7 1/4 X 12
5	109	135	57	600	1/4	✓	Liner Size 6 1/2	Liner Size
6	108	130	57	600	1/4	✓	Water-Loss	Filter Cake
7	108	128	57	600	1/4	✓	4.7	7/32
8	108	125	57	600	1/4	✓	4.4	7/32
9	108	134	57	600	1/3	✓	4.1	7/32
10	108	130	57	600	1/3	✓	Mud Added Sacks	
11							Chemicals Added Lbs.	MACOGEL 500 #

CREW	MATERIALS CHARGED TO OPERATOR
Driller <u>H. BAMPFORD</u>	Core Bit
Derrickman <u>B. LUMBERNER</u>	Reaming Bit
Cat Headman <u>B. HUEBNER</u>	Core Cutters SF. HF.
Rotary Helper <u>M. LAPRENTZ</u>	Swab Cups
Fireman <u>D. MACKAY</u>	Swab Rubbers
Leaseman	

REMARKS	FROM	TO
SERVICE RIG	400	415
DRILLING 7 7/8 HOLE	415	1000
PULL OUT FOR NEW B.C.	1000	1115
SLIPP LINE	1115	1200

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. Bugger Trout River # 6

Tool Pusher

Date March 23/60

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

illed From 1321 To 1596 Hole Made 275

Drilled From 1596 To 1806 Hole Made 210

Drilled From 1806 To 1955 Hole Made 149

Bit No.	4	No. Stds.	21-5	Length	203.44	Bit No.	4	No. Stds.	25-5	Length	1545.47	Bit No.	4	No. Stds.	27-8	Length	1666.53
Serial No.	101084	No. D.C.'s	9	Length	253.10	Serial No.	101084	No. D.C.'s	9	Length	253.10	Serial No.	101084	No. D.C.'s	9	Length	253.10
Bit Size	7 3/4			Length		Bit Size	7 7/8			Length		Bit Size	7 7/8			Length	
Bit Type	YTI			Length		Bit Type	YTI			Length		Bit Type	YTI			Length	
Dr. from	1250	Kelly in ==			3906	Dr. from	1250	Kelly in ==			7.43	Dr. from	1250	Kelly in ==			3537
Dr. to	1596	TOTAL ==			1596.00	Dr. to	1806	TOTAL ==			1806.00	Dr. to	1955	TOTAL ==			1955.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4	Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 1/2	Cored from		D.C.O.D. Top	6 3/4	Hrs. On Bottom	6 1/4
Cored to		D.C.I.D. Top	2 1/4	Hrs. Off Bottom	1 1/4	Cored to		D.C.I.D. Top	2 7/8	Hrs. Off Bottom	1 1/2	Cored to		D.C.I.D. Top	2 3/4	Hrs. Off Bottom	1 3/4
Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time		Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	279	Serv. Time		Reamed to		C.S.G. Set at	279	Serv. Time		Reamed to		C.S.G. Set at	279	Serv. Time	
Total Bit Footage	346	C.S.G. Size	4 5/8	Rep. Time		Total Bit Footage	556	C.S.G. Size	4 5/8	Rep. Time		Total Bit Footage	705	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	4 1/4	Pipe in Hole	43	Jts.	Diesel Fuel Meter Reading	Bit Hrs.	15 3/4	Pipe in Hole	51	Jts.	REMARKS:	Bit Hrs.	22	Pipe in Hole	80	Jts.	REMARKS:
Table R.P.M.	160	Pipe on Racks	92	Jts.	Today 5'	Table R.P.M.	160	Pipe on Racks	84	Jts.	CHECKED ROP	Table R.P.M.	160	Pipe on Racks	55	Jts.	

Depth	Deviation	Total Pipe on Lease 135 Jts.	Yesterday	Depth 1686	Deviation 10	Total Pipe on Lease 135 Jts.	2 KELLY-POCK	Depth	Deviation	Total Pipe on Lease 135 Jts.	
Depth	Deviation		Consumption	Depth	Deviation			Depth	Deviation		
Depth	Deviation			Depth	Deviation			Depth	Deviation		
Depth	Deviation			Depth	Deviation			Depth	Deviation	FUEL 4-7	

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size		
12	103	98	68	425	1/4	✓	7/4" x 12"	6 1/2"	8	106	107	68	450	1/3	✓	7/4" x 12"	6 1/2"	4	107	66	57	450	1/3	✓	7 1/4" x 12"	5" x 10"		
							Liner Size	Liner Size								Liner Size	Liner Size								Liner Size	Liner Size		
1	103	110	68	475	1/4	✓	Water-Loss	Filter Cake	9	106	104	68	450	1/3	✓	Water-Loss	Filter Cake	5	107	94	57	450	1/3	✓	Water-Loss	Filter Cake		
2	103	122	68	425	1/4	✓	4.8	12.1	10	106	100	68	450	1/4	✓	4.2	2/32	12.5	6	107	92	57	450	1/3	✓	4.1	2/32	12.5
3	104	134	68	425	1/4	✓	3.2	12.5	11	106	96	68	450	1/3	✓	4.5	2/32	12.5	7	107	67	57	450	1/3	✓	4.3	2/32	12.5
4	104	136	68	425	1/4	✓			12	106	98	68	450	1/3	✓	4.2	2/32	12.5	8	107	73	57	450	1/3	✓			
5	104	220	68	475	1/4	✓	Mud Added Sacks	6 EK 1000#	1	106	95	68	450	1/3	✓	Mud Added Sacks		9	107	70	57	450	1/3	✓	Mud Added Sacks			
6	104	210	68	475	1/4	✓	Chemicals Added Lbs.	MYLO-TEK 210#	2	106	93	68	450	1/3	✓	Chemicals Added Lbs.	MYLO-TEK 210#	10							Chemicals Added Lbs.	GAUSTIC 50#		
7	104	206	68	475	1/4	✓		SPERSENE 100#	3	107	80	68	450	1/3	✓		GAUSTIC 50#	11							SPERSENE 50#			

CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR	
Driller		Core Bit	Serial	Driller		Core Bit	Serial	Driller		Core Bit	Serial
Derrickman		Reaming Bit	Serial	Derrickman		Reaming Bit	Serial	Derrickman		Reaming Bit	Serial
Headman		Core Cutters SF. HF.	Core Catchers SF. HF.	Cat Headman		Core Cutters SF. HF.	Core Catchers SF. HF.	Cat Headman		Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper		Swab Cups	Swab Rubbers	Rotary Helper		Swab Cups	Swab Rubbers	Rotary Helper		Swab Cups	Swab Rubbers
Fireman				Fireman				Fireman			
Leaseman				Leaseman				Leaseman			
Driller	F. LAURSEN	Core Bit		Driller	D. CLARK	Core Bit		Driller	H. DAMFORD	Core Bit	
Derrickman	T. SPEED	Reaming Bit		Derrickman	H. HULLUM	Reaming Bit		Derrickman	A. L. M. BERNER	Reaming Bit	
Headman	N. BERT STREINER	Core Cutters SF. HF.		Cat Headman	D. GORDHAM	Core Cutters SF. HF.		Cat Headman	P. HILDEBRAND	Core Cutters SF. HF.	
Rotary Helper	L. THOMAS	Swab Cups		Rotary Helper	D. TINDALL	Swab Cups		Rotary Helper	M. LAURENCE	Swab Cups	
Rotary Helper				Rotary Helper				Rotary Helper			
Fireman	C. K. BILLYS			Fireman	C. STEHR			Fireman	D. MACKAY		
Leaseman				Leaseman	T. GERRHARDT			Leaseman			

[illegible]

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. B-1000

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Tool Pusher

Drilled From 990 To 1133 Hole Made 143

Drilled From 1133 To 1248 Hole Made 115

Drilled From 1248 To 1321 Hole Made 75

Bit No.	3	No. Stds.	14	Length	847.89
Serial No.	0758-8	No. D.C.'s	9	Length	253.10
Bit Size	7 1/8			Length	
Bit Type	VT			Length	
Dr. from	751	Kelly in =			32.01
Dr. to	1133	TOTAL =			1133.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	1 3/4
Cored to		D.C.I.D. Top	2 1/4	Hrs. Off Bottom	1/4
Reamed from		Pipe Size	4 1/2	Tripp Time	
Reamed to		C.S.G. Set at	779	Serv. Time	
Total Bit Footage	152	C.S.G. Size	8 7/8	Rep. Time	
Bit Hrs.	8 1/2	Pipe in Hole	2.8	Jts.	Diesel Fuel Meter Reading
Table R.P.M.	160	Pipe on Racks	187	Jts.	Today Fuel 6-4

Bit No.	3	No. Stds.	16	Length	969.03
Serial No.	D 95838	No. D.C.'s	9	Length	253.10
Bit Size	7/8			Length	
Bit Type	17			Length	
Dr. from	981	Kelly in			25.87
Dr. to	1248	TOTAL			1248.00
Cored from		D.C.O.D. Top	644	Hrs. On Bottom	7
Cored to		D.C.I.D. Top	2718	Hrs. Off Bottom	1
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	279	Serv. Time	
Total Bit Footage	267	C.S.G. Size	8 5/8	Rep. Time	
Bit Hrs.	15 1/2	Pipe in Hole	32	Jts.	REMARKS:
Table R.P.M.	11.0	Pipe on Racks	103	Jts.	CHECK B.O.P's

Bit No.	3	4	No. Stds.	17-5	Length	1039 9/8
Serial No.	095838	101084	No. D.C.'s	9	Length	25310
Bit Size	7 3/8	7 3/8			Length	
Bit Type	VT	VT1			Length	
Dr. from	1981	1250	Kelly in =			7 9/8
Dr. to	1250	1321	TOTAL =			1321 00
Cored from			D.C.O.D. Top	6 1/2	Hrs. On Bottom	1 1/2
Cored to			D.C.I.D. Top	2 3/8	Hrs. Off Bottom	6 1/2
Reamed from			Pipe Size	4 1/2	Trip Time	
Reamed to			C.S.G. Set at	279	Serv. Time	
Total Bit Footage	269	71	C.S.G. Size	8 3/8	Rep. Time	
Bit Hrs.	15 1/2	1 1/2	Pipe in Hole	Jts.	REMARKS:	
Table R.P.M.	160	160	Pipe on Racks	Jts.		

Depth	Deviation	Total Pipe on Lease / 35 Jts.	Yesterday
Depth	Deviation		Consumption
Depth	Deviation		
Depth	Deviation		

Depth	1142	Deviation	1/2°	Total Pipe on Lease	135 Jts.	KELLY COCK
Depth		Deviation				
Depth		Deviation				
Depth		Deviation				

R.P.M.	120	100	Pipe on Racks	Jts.
Depth	Deviation	Total Pipe on Lease	135	Jts.
Depth	Deviation			
Depth	Deviation			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12	9.8	71	85	200	1/3		5 X 10	
1	9.8	69	85	200	1/3		Liner Size 5	Liner Size
2	9.8	66	85	200	1/3		Water-Loss 5.2	Filter Cake 2 3/4
3	9.8	64	85	200	1/3			PH 12.5
4	9.8	62	85	200	1/3			
5	9.8	61	85	200	1/3		Mud Added Sacks	
6	9.8	61	85	200	1/3		Chemicals Added Lbs.	
7	9.8	60	85	200	1/3			

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
8	609 57	57	85	250	1/3		5x10 Liner Size 5	
9	10.3 57	57	85	250	1/3		Water Loss	Filter Cake PH
10	16.3 58	58	85	250	1/3		4.9	3/32 12.5
11	10.3 56	56	85	250	1/3		5.2	3/32 12.5
12	10.3 55	55	85	250	1/3		2.6	3/32 12.5
1	10.3 53	53	68	475	1/3		Mud Added Sacks 4.2 6.00	
2	10.3 70	70	68	475	1/3	✓	Chemicals Added Lbs. 7M.G.L. 9.5 12.0	
3	10.3 113	68	475	1/3	✓		Spermine 2.0	

Depth		Deviation						
Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
4	10.3	99	68	3.75	1/3		7 1/4 x 12	
5							Liner Size 6 1/2	Liner Size
6							Water-Loss 4.4	Filter Cake 2 1/32
7								PH 12.0
8								
9							Mud Added Sacks	
10							Chemicals Added Lbs.	
11								

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	F. J. ASKE	Core Bit	Serial
Trickman	T. S. FLEM	Resining Bit	Serial
Headman	N. DEARSTREED	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	L. THOMPAS	Swab Cups	Swab Rubbers
Rotary Helper			
Fireman	W. Kobilus		
Leaseman			
REMARKS			

CREW		MATERIALS CHARGED TO OPERATOR	
Driller	D. CLARK	Core Bits	Serial
Derrickman	A. HUCKLEMAN	Reaming Bit	Serial
Cat Headman	P. GORDON	Core Cutters SF-HF	Core Catchers SF-HF
Rotary Helper	V. TINDALL	Swab Cups	Swab Rubbers
Rotary Helper		WORK ON CAS DETECTOR	
Fireman	C. STEHR	R.C.U.P. 2-150	
Leaseman	T. GERBRANDT	14 HRS	PUMP

16397 68473 24 ✓			
CREW		MATERIALS CHARGED TO OPERATOR	
Driller	H. AM FORD	Core Bit	Serial
Derrickman	A. G. M. B. & P. R. P.	Reaming Bit	Serial
Cat Headman	C. H. C. L. L. L.	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	M. LAERENG	Swab Caps	Swab Rubbers
Rotary Helper			
Fireman	D. MACKAY		
Leaseman			

[illegible]

Art Heston
Company Representative

B. Robinson
Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Well No. *Buena Vista River #6*

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Date *March 2/60*

Drilled From *631* To *735* Hole Made *104*

Drilled From *735* To *910* Hole Made *175*

Drilled From *910* To *990* Hole Made *80*

Bit No.	<i>1</i>	<i>2</i>	No. Stds.	<i>7-5</i>	Length	<i>457.82</i>
Serial No.	<i>101066</i>	<i>095866</i>	No. D.C.'s	<i>9</i>	Length	<i>253.10</i>
Bit Size	<i>7/8</i>	<i>7/8</i>			Length	
Bit Type	<i>YT</i>	<i>YT</i>			Length	
Dr. from	<i>281</i>	<i>647</i>	Kelly in =		<i>29.08</i>	
Dr. to	<i>647</i>	<i>735</i>	TOTAL =		<i>735.00</i>	
Cored from			D.C.O.D. Top	<i>6 1/4</i>	Hrs. On Bottom	<i>1</i>
Cored to			D.C.I.D. Top	<i>2 1/4</i>	Hrs. Off Bottom	<i>2</i>
Reamed from			Pipe Size	<i>4 1/2</i>	Trip Time	
Reamed to			C.S.G. Set at	<i>279</i>	Serv. Time	
Total Bit Footage	<i>366</i>	<i>434</i>	C.S.G. Size	<i>8 3/4</i>	Rep. Time	
Bit Hrs.	<i>21 1/2</i>	<i>4 3/4</i>	Pipe in Hole	<i>15</i>	Jts.	
Table R.P.M.	<i>160</i>	<i>160</i>	Pipe on Racks	<i>120</i>	Jts.	

Depth	Deviation	Total Pipe on Lease	<i>135</i>	Jts.	Yesterday	
Depth	Deviation	<i>CHECK 130 P.</i>			Consumption	Gals.
Depth	Deviation	<i>OPEN HOLE OK</i>				
Depth	Deviation					

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12	<i>94</i>	<i>54</i>	<i>85</i>	<i>130</i>	<i>1/4</i>		<i>5x10</i>	
1	<i>94</i>	<i>53</i>	<i>85</i>	<i>150</i>	<i>1/4</i>		<i>5</i>	
2							Water-Loss	Filter Cake
3							<i>5</i>	<i>4/32</i>
4	<i>94</i>	<i>51</i>	<i>85</i>	<i>150</i>	<i>1/4</i>		<i>4.4</i>	<i>7/32</i>
5	<i>94</i>	<i>49</i>	<i>85</i>	<i>150</i>	<i>1/4</i>		Mud Added Sacks	<i>6 EL 500 CF</i>
6	<i>94</i>	<i>72</i>	<i>85</i>	<i>150</i>	<i>1/4</i>		Chemicals Added Lbs.	<i>M. L. 1000</i>
7	<i>94</i>	<i>59</i>	<i>85</i>	<i>150</i>	<i>1/4</i>			<i>SPERSENE 500</i>

CREW	MATERIALS CHARGED TO OPERATOR
Driller <i>F. L. RASSE</i>	Core Bit
Derrickman <i>L. S. REES</i>	Reaming Bit
Headman <i>N. BEAL TREFLER</i>	Core Cutters SF. HF.
Rotary Helper <i>THE WASS</i>	Swab Cups
Rotary Helper	Swab Rubbers
Fireman <i>C. K. HILTON</i>	
Leaseman	

REMARKS	FROM	TO
<i>SERV RIG</i>	<i>12</i>	<i>1215</i>
<i>DRILLING</i>	<i>1215</i>	<i>130</i>
<i>TRIP FOR BIT</i>	<i>130</i>	<i>245</i>
<i>REAMING</i>	<i>245</i>	<i>315</i>
<i>DRILLING TIGHT HOLE TO BOT</i>	<i>315</i>	<i>800</i>

Bit No.	<i>2</i>	No. Stds.	<i>10-5</i>	Length	<i>634.83</i>
Serial No.	<i>095866</i>	No. D.C.'s	<i>9</i>	Length	<i>253.10</i>
Bit Size	<i>7/8</i>			Length	
Bit Type	<i>YT</i>			Length	
Dr. from	<i>647</i>	Kelly in =		<i>22.07</i>	
Dr. to	<i>910</i>	TOTAL =		<i>910.00</i>	
Cored from		D.C.O.D. Top	<i>6 1/4</i>	Hrs. On Bottom	<i>2 1/4</i>
Cored to		D.C.I.D. Top	<i>2 1/4</i>	Hrs. Off Bottom	<i>3 1/4</i>
Reamed from		Pipe Size	<i>4 1/2</i>	Trip Time	
Reamed to		C.S.G. Set at	<i>279</i>	Serv. Time	
Total Bit Footage	<i>263</i>	C.S.G. Size	<i>8 5/8</i>	Rep. Time	
Bit Hrs.	<i>12</i>	Pipe in Hole	<i>21</i>	Jts.	
Table R.P.M.	<i>160</i>	Pipe on Racks	<i>114</i>	Jts.	

Depth	Deviation	Total Pipe on Lease	<i>135</i>	Jts.	Yesterday	
Depth	Deviation				Consumption	Gals.
Depth	Deviation					
Depth	Deviation					

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
8	<i>93</i>	<i>60</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		<i>5x10</i>	
9	<i>93</i>	<i>65</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		<i>5</i>	
10	<i>93</i>	<i>64</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		Water-Loss	Filter Cake
11	<i>93</i>	<i>60</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		<i>4.9</i>	<i>7/32</i>
12	<i>93</i>	<i>63</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		<i>5.0</i>	<i>7/32</i>
1	<i>93</i>	<i>59</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		Mud Added Sacks	<i>4 1/2 600</i>
2	<i>93</i>	<i>70</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		Chemicals Added Lbs.	<i>M. L. 1000</i>
3	<i>93</i>	<i>102</i>	<i>85</i>	<i>200</i>	<i>1/3</i>			<i>SPERSENE 500</i>

CREW	MATERIALS CHARGED TO OPERATOR
Driller <i>C. CLARK</i>	Core Bit
Derrickman <i>H. HUPPARD</i>	Reaming Bit
Cat Headman <i>P. GORDASH</i>	Core Cutters SF. HF.
Rotary Helper <i>D. TINDALL</i>	Swab Cups
Rotary Helper	Swab Rubbers
Fireman <i>C. STEHR</i>	
Leaseman <i>T. C. BERNHARDT</i>	

REMARKS	FROM	TO
<i>DRILLING</i>	<i>800</i>	<i>830</i>
<i>SERV RIG CHANGE PLANT</i>	<i>830</i>	
<i>PACKING IN PUMP</i>		<i>915</i>
<i>DRILLING</i>	<i>915</i>	<i>400</i>

Bit No.	<i>2</i>	<i>3</i>	No. Stds.	<i>12</i>	Length	<i>724.70</i>
Serial No.	<i>095866</i>	<i>095838</i>	No. D.C.'s	<i>9</i>	Length	<i>253.10</i>
Bit Size	<i>7/8</i>	<i>7/8</i>			Length	
Bit Type	<i>YT</i>	<i>YT</i>			Length	
Dr. from	<i>647</i>	<i>981</i>	Kelly in =		<i>1720</i>	
Dr. to	<i>981</i>	<i>990</i>	TOTAL =		<i>990.00</i>	
Cored from		D.C.O.D. Top	<i>6 1/4</i>	Hrs. On Bottom	<i>6 1/4</i>	
Cored to		D.C.I.D. Top	<i>2 1/4</i>	Hrs. Off Bottom	<i>1 3/4</i>	
Reamed from		Pipe Size	<i>4 1/2</i>	Trip Time		
Reamed to		C.S.G. Set at	<i>279</i>	Serv. Time		
Total Bit Footage	<i>354</i>	C.S.G. Size	<i>8 3/4</i>	Rep. Time		
Bit Hrs.	<i>17 1/2</i>	Pipe in Hole	<i>24</i>	Jts.		
Table R.P.M.	<i>160</i>	Pipe on Racks	<i>111</i>	Jts.		

Depth	Deviation	Total Pipe on Lease	<i>135</i>	Jts.	Yesterday	
Depth	Deviation				Consumption	Gals.
Depth	Deviation					
Depth	Deviation					

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
4	<i>95</i>	<i>86</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		<i>5x10</i>	
5	<i>95</i>	<i>75</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		<i>5</i>	
6	<i>95</i>	<i>77</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		Water-Loss	Filter Cake
7	<i>95</i>	<i>74</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		<i>4.1</i>	<i>2 1/32</i>
8	<i>95</i>	<i>72</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		<i>4.3</i>	<i>2 1/32</i>
9	<i>95</i>	<i>74</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		<i>4.5</i>	<i>2 1/32</i>
10	<i>95</i>	<i>73</i>	<i>85</i>	<i>200</i>	<i>1/3</i>		Mud Added Sacks	<i>2 1/32</i>
11							Chemicals Added Lbs.	<i>12.0</i>

CREW	MATERIALS CHARGED TO OPERATOR
Driller <i>H. BARNFORD</i>	Core Bit
Derrickman <i>A. LUMBERNAR</i>	Reaming Bit
Cat Headman <i>D. H. GORDASH</i>	Core Cutters SF. HF.
Rotary Helper <i>M. LAFFREN</i>	Swab Cups
Rotary Helper	Swab Rubbers
Fireman <i>D. MACKAY</i>	
Leaseman	

REMARKS	FROM	TO
<i>SERV RIG</i>	<i>400</i>	<i>415</i>
<i>DRILLING 7 1/2 HOLE</i>	<i>415</i>	<i>700</i>
<i>RUN SURVEY</i>	<i>700</i>	<i>715</i>
<i>DRILLING 7 1/2 HOLE</i>	<i>715</i>	<i>1000</i>
<i>TRIP FOR BIT</i>	<i>1000</i>	<i>1115</i>
<i>DRILLING 7 1/2 HOLE</i>	<i>1115</i>	<i>1200</i>

Company Representative
Tool Pusher

GUTHRIE MCLAREN DRILLING LTD.

Well No. Bougie Trout River #6
Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Drilled From 281 To 430 Hole Made 159

Drilled From 430 To 518 Hole Made 88

Drilled From 518 To 631 Hole Made 113

Bit No.	1	No. Stds.	4-1	Length	27275
Serial No.	101066	No. D.C.'s	5	Length	141.54
Bit Size	774			Length	
Bit Type	VTI			Length	
Dr. from	281	Kelly in			15.71
Dr. to	430	TOTAL			2130.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	5
Cored to		D.C.L.D. Top	274	Hrs. Off Bottom	3
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	229	Serv. Time	
Total Bit Footage	159	C.S.G. Size	8 3/4	Rep. Time	
Bit Hrs.	5	Pipe in Hole	9	Jts.	
Table R.P.M.	140	Pipe on Racks	126	Jts.	

Depth	Deviation	Total Pipe on Lease	1775 Jts.	Yesterday	
Depth	Deviation	Consumption	Gals.		
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit. Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12	87	62	85	150	1/4	V	5x10	5x10
1	87	62	85	150	1/4	V	5x10	5x10
2	87	62	85	150	1/4	V	5x10	5x10
3	87	62	85	150	1/4	V	5x10	5x10
4	87	62	85	150	1/4	V	5x10	5x10
5	87	62	85	150	1/4	V	5x10	5x10
6	87	62	85	150	1/4	V	5x10	5x10
7	87	62	85	150	1/4	V	5x10	5x10

CREW	MATERIALS CHARGED TO OPERATOR
Driller: <u>F. LACASSE</u>	Core Bit: _____
Derrickman: <u>J. SAEFFS</u>	Reaming Bit: _____
Cat Headman: <u>N. BERNARD</u>	Core Cutters SF. HF. _____
Rotary Helper: <u>J. THOMAS</u>	Core Catchers SF. HF. _____
Fireman: <u>W. ROBILION</u>	Swab Cups _____
Leaseman: _____	Swab Rubbers _____

REMARKS	FROM	TO
SEALED P.C.	12	12.15
WASH PA P.S.S.	12.15	12.25
Mix Mud & CHEM.	12.25	3:00
DRILLING	3	8

Bit No.	1	No. Stds.	6	Length	361.57
Serial No.	101066	No. D.C.'s	5	Length	141.54
Bit Size	774			Length	
Bit Type	VTI			Length	
Dr. from	281	Kelly in			14.84
Dr. to	518	TOTAL			518.00
Cored from		D.C.O.D. Top	6 1/2	Hrs. On Bottom	7 3/4
Cored to		D.C.L.D. Top	278	Hrs. Off Bottom	14
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	229	Serv. Time	
Total Bit Footage	237	C.S.G. Size	8 3/4	Rep. Time	
Bit Hrs.	12 3/4	Pipe in Hole	12	Jts.	
Table R.P.M.	160	Pipe on Racks	123	Jts.	

Depth	Deviation	Total Pipe on Lease	135 Jts.	Yesterday	
Depth	Deviation	Consumption	Gals.		
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit. Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
8	92	48	85	150	1/4	V	5x10	5x10
9	92	49	85	150	1/4	V	5x10	5x10
10	92	50	85	150	1/4	V	5x10	5x10
11	92	49	85	150	1/4	V	5x10	5x10
12	92	47	85	150	1/4	V	5x10	5x10
1	92	46	85	150	1/4	V	5x10	5x10
2	92	45	85	150	1/4	V	5x10	5x10
3	91	52	85	175	1/4	V	5x10	5x10

CREW	MATERIALS CHARGED TO OPERATOR
Driller: <u>D. CLARK</u>	Core Bit: _____
Derrickman: <u>H. HUCULAI</u>	Reaming Bit: _____
Cat Headman: <u>P. GORDASH</u>	Core Cutters SF. HF. _____
Rotary Helper: <u>D. TINDALL</u>	Core Catchers SF. HF. _____
Fireman: <u>C. STEAR</u>	Swab Cups _____
Leaseman: <u>J. CERNBRANDT</u>	Swab Rubbers _____

REMARKS	FROM	TO
SERVIC CHECK BOPS	8:00	8:15
DRILLING	8:15	4:00

Bit No.	1	No. Stds.	7-5	Length	459.82
Serial No.	101066	No. D.C.'s	5	Length	141.54
Bit Size	774			Length	
Bit Type	VTI			Length	
Dr. from	281	Kelly in			36.64
Dr. to	631	TOTAL			631.00
Cored from		D.C.O.D. Top	6 1/4	Hrs. On Bottom	7 3/4
Cored to		D.C.L.D. Top	278	Hrs. Off Bottom	5
Reamed from		Pipe Size	4 1/2	Trip Time	
Reamed to		C.S.G. Set at	229	Serv. Time	
Total Bit Footage	552	C.S.G. Size	8 3/4	Rep. Time	
Bit Hrs.	26 1/4	Pipe in Hole	10	Jts.	
Table R.P.M.	160	Pipe on Racks	120	Jts.	

Depth	Deviation	Total Pipe on Lease	135 Jts.	Yesterday	
Depth	Deviation	Consumption	Gals.		
Depth	Deviation				
Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit. Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
4	91	95	85	175	1/4	V	5x10	5x10
5	91	73	85	175	1/4	V	5x10	5x10
6	91	70	85	175	1/4	V	5x10	5x10
7	91	68	85	175	1/4	V	5x10	5x10
8	91	56	85	175	1/4	V	5x10	5x10
9	91	54	85	175	1/4	V	5x10	5x10
10	91	52	85	175	1/4	V	5x10	5x10
11	91	53	85	175	1/4	V	5x10	5x10

CREW	MATERIALS CHARGED TO OPERATOR
Driller: <u>H. BAMPFORD</u>	Core Bit: _____
Derrickman: <u>A. H. HUGGINS</u>	Reaming Bit: _____
Cat Headman: <u>C. HUGGINS</u>	Core Cutters SF. HF. _____
Rotary Helper: <u>M. KAPRENS</u>	Core Catchers SF. HF. _____
Fireman: <u>D. MACKENZIE</u>	Swab Cups _____
Leaseman: _____	Swab Rubbers _____

REMARKS	FROM	TO
SERVIC P.C.	8:00	8:15
DRILLING	8:15	4:00

Well No. BB 993 Trout River #1

Date 7 March 1987

Lsd. _____ Sec. _____ Tw. _____ Rge. _____ W. _____

Hole Made						Drilled From To						Ice Made					
Elt No.		No. Stds.	Length	Bit No.		No. Stds.	Length	Bit No.		No. Stds.	Length	Bit No.		No. Stds.	Length	Bit No.	
Serial No.		No. D.C.'s	Length	Serial No.		No. D.C.'s	Length	Serial No.		No. D.C.'s	Length	Serial No.		No. D.C.'s	Length	Serial No.	
Bit Size			Length	Bit Size			Length	Bit Size			Length	Bit Size			Length	Bit Size	
Bit Type			Length	Bit Type			Length	Bit Type			Length	Bit Type			Length	Bit Type	
Dr. from		Kelly in ==		Dr. from		Kelly in ==		Dr. from		Kelly in ==		Dr. from		Kelly in ==		Dr. from	
Dr. to		TOTAL ==		Dr. to		TOTAL ==		Dr. to		TOTAL ==		Dr. to		TOTAL ==		Dr. to	
Cored from		D.C.O.D. Top D.C.I.D. Top	Hrs. On Bottom Hrs. Off Bottom	Cored from		D.C.O.D. Top D.C.I.D. Top	Hrs. On Bottom Hrs. Off Bottom	Cored from		D.C.O.D. Top D.C.I.D. Top	Hrs. On Bottom Hrs. Off Bottom	Cored from		D.C.O.D. Top D.C.I.D. Top	Hrs. On Bottom Hrs. Off Bottom	Cored from	
Cored to		Pipe Size	Trip Time	Cored to		Pipe Size	Trip Time	Cored to		Pipe Size	Trip Time	Cored to		Pipe Size	Trip Time	Cored to	
Reamed from		C.S.G. Set at	Serv. Time	Reamed from		C.S.G. Set at	Serv. Time	Reamed from		C.S.G. Set at	Serv. Time	Reamed from		C.S.G. Set at	Serv. Time	Reamed from	
Reamed to		C.S.G. Size	Rep. Time	Reamed to		C.S.G. Size	Rep. Time	Reamed to		C.S.G. Size	Rep. Time	Reamed to		C.S.G. Size	Rep. Time	Reamed to	
Total Bit Footage		Pipe in Hole	Jts.	Total Bit Footage		Pipe in Hole	Jts.	Total Bit Footage		Pipe in Hole	Jts.	Total Bit Footage		Pipe in Hole	Jts.	Total Bit Footage	
Bit Hrs.		Diesel Fuel Meter Reading		Bit Hrs.		Diesel Fuel Meter Reading		Bit Hrs.		Diesel Fuel Meter Reading		Bit Hrs.		Diesel Fuel Meter Reading		Bit Hrs.	
Table R.P.M.		Pipe on Back		Table R.P.M.		Pipe on Back		Table R.P.M.		Pipe on Back		Table R.P.M.		Pipe on Back		Table R.P.M.	

[illegible]

Time	Wt.	Vis.	Pump Stroke	Pres- sure	Pit Gauge	Water Added	Deviation						Depth														
							No. 1 Pump Size	No. 2 Pump Size	No. 1 Pump Size	No. 2 Pump Size	No. 1 Pump Size	No. 2 Pump Size	No. 1 Pump Size	No. 2 Pump Size	No. 1 Pump Size	No. 2 Pump Size	No. 1 Pump Size	No. 2 Pump Size									
12							Liner Size	Liner Size					Liner Size	Liner Size													
1							Water-Loss	Filter Cake	PH	8						Liner Size	Liner Size										
2										9						Water-Loss	Filter Cake	PH	4								
3										10									5								
4										11									6								
5										12									7								
6							Mud Added Sacks			1						Mud Added Sacks			8								
7							Chemicals Added Lbs.			2						Chemicals Added Lbs.			9								
										3									10								
CREW							MATERIALS CHARGED TO OPERATOR																				
H. B. G. & S. Co.																					Bicarb Soda #400						

CREW			MATERIALS CHARGED TO OPERATOR		
Driller	Core Bit	Serial	Driller	Core Bit	Serial
Derrickman	Reaming Bit	Serial	Derrickman	Reaming Bit	Serial
Cat Headman	Core Cutters SF. HF.	Core Catchers SF. HF.	Cat Headman	Core Cutters SF. HF.	Core Catchers SF. HF.
Rotary Helper	Swab Cups	Swab Rubbers	Rotary Helper	Swab Cups	Swab Rubbers
Fireman			Fireman		
Leaseman			Leaseman		

REMARKS	FROM	TO	Leaseman	CONDUCTOR OR FIREMAN	FROM	TO	REMARKS	FROM	TO
W.O.C.	1200	400	T. CERNANET	13 HRS RIG UP LUBRICATOR ON					
NIPPLE UP BOPS	400	500		REPAIR ACEJM PUMP	8	12			
							RIG UP PUMP NIPPLE UP	400	
							BOPS		400
							RUN IN PRESSURE UP	900	945
							DRILL OUT CEMENT PLUG	945	
							SHOE		1200
							TOP CEMENT @ 253		
							PLUG @ 277		
							PRESSURED UP CASING TO		
							700 PSI FOR 15 MIN		
							HELD OK.		

Archie W. H. H. H.
Company Representative
B. Holston
Tool Pusher

GUTHRIE MCLAREN DRILLING LTD.

Date March 18th / 60

Well No. BRIGGS TROUT RIVER # 16

Lsd. Sec. Twp. Rge. W.

Drilled From To Hole Made

Bit No.	27	No. Stds.	2	Length	122.58	Bit No.		No. Stds.		Length		Bit No.		No. Stds.		Length	
Serial No.	RT	No. D.C.'s	5	Length	141.54	Serial No.		No. D.C.'s		Length		Serial No.		No. D.C.'s		Length	
Bit Size	12 1/4		BS	Length	7.60	Bit Size				Length		Bit Size				Length	
Bit Type	OSC			Length		Bit Type				Length		Bit Type				Length	
Dr. from	240	Kelly in			1428	Dr. from		Kelly in				Dr. from		Kelly in			
Dr. to	281	TOTAL			98100	Dr. to		TOTAL				Dr. to		TOTAL			
Cored from		D.C.O.D. Top		Hrs. On Bottom		Cored from		D.C.O.D. Top		Hrs. On Bottom		Cored from		D.C.O.D. Top		Hrs. On Bottom	
Cored to		D.C.I.D. Top		Hrs. Off Bottom		Cored to		D.C.I.D. Top		Hrs. Off Bottom		Cored to		D.C.I.D. Top		Hrs. Off Bottom	
Reamed from		Pipe Size		Trip Time		Reamed from		Pipe Size		Trip Time		Reamed from		Pipe Size		Trip Time	
Reamed to		C.S.G. Set at		Serv. Time		Reamed to		C.S.G. Set at		Serv. Time		Reamed to		C.S.G. Set at		Serv. Time	
Total Bit Footage		C.S.G. Size		Rep. Time		Total Bit Footage		C.S.G. Size		Rep. Time		Total Bit Footage		C.S.G. Size		Rep. Time	
Bit Hrs.		Pipe in Hole	Jts.	Diesel Fuel Meter Reading		Bit Hrs.		Pipe in Hole	Jts.	REMARKS:		Bit Hrs.		Pipe in Hole	Jts.	REMARKS:	
Table R.P.M.		Pipe on Racks	Jts.	Today	2 1/4 4	Table R.P.M.		Pipe on Racks	Jts.	FEEL 65		Table R.P.M.		Pipe on Racks	Jts.		

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	Consumption	Gals.	Depth	Deviation	Total Pipe on Lease	Jts.		Depth	Deviation	Total Pipe on Lease	Jts.		
Depth	Deviation						Depth	Deviation				Depth	Deviation				
Depth	Deviation						Depth	Deviation				Depth	Deviation				
Depth	Deviation						Depth	Deviation				Depth	Deviation				

Time	Wt.	Vis.	Pump Stroke	Pump Pres-sure	Pit Gauge	Water Added	No. 1 Pump Size			No. 2 Pump Size			Time	Wt.	Vis.	Pump Stroke	Pump Pres-sure	Pit Gauge	Water Added	No. 1 Pump Size			No. 2 Pump Size		
12							Liner Size			Liner Size			8						✓	Liner Size 6 3/4			Liner Size		
1							Water-Loss	Filter Cake	PH	9				✓		Water-Loss	Filter Cake	PH	5						
2										10	9.3	145	68	220 1/4	✓				6						
3										11	9.3	164	68	220 1/4	✓				7						
4	9.3	60								12	9.3	166	68	230 1/4	✓				8						
5	9.3	75					Mud Added Sacks	Mud Added Sacks 12 Magrath 11600#			1					Mud Added Sacks	GEL 2400 #			9					Mud Added Sacks
6	9.3	160					Chemicals Added Lbs.				2					Chemicals Added Lbs.				10					Chemicals Added Lbs.
7	9.3	145									3									11					

CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR
Driller: E. JAMFORD	Core Bit: Serial: 11	Driller: E. LAYASSE	Core Bit: Serial: 11	Driller: D. CLARK	Core Bit: Serial: 11
Derrickman: A. L. MURDER	Reaming Bit: Serial: 11	Derrickman: J. SPEARS	Reaming Bit: Serial: 11	Derrickman: H. HUCULAK	Reaming Bit: Serial: 11
Cat Headman: C. HUCKLE	Core Cutters SF. HF. DAY	Cat Headman: N. KERSSTREISEN	Core Cutters SF. HF. DAY	Cat Headman: P. GORDASH	Core Cutters SF. HF. DAY
Rotary Helper: M. LAFFRENY	Swab Cups: 1	Rotary Helper: L. THOMAS	Swab Cups: 1	Rotary Helper: D. TINDALL	Swab Cups: 1
Fireman: D. MACKAY	Swab Rubbers: 1	Rotary Helper: S. TAYLOR	Swab Rubbers: 1	Rotary Helper: C. STEHR	Swab Rubbers: 1
Leaseman: 1		Fireman: W. KILGUS		Fireman: 1	
		Leaseman: J. CERRANO		Leaseman: 1	

REMARKS	FROM	TO	REMARKS	FROM	TO	REMARKS	FROM	TO
SERVICE RIG	1200	1215	SEA - RIG	8	8:15			
PULL OUT TO RUN CASING	1215	1230	CON & MIX. MUD WORK	8:15				
ATTEMPTED TO RUN CASING	1230	200	PIPE IN ROCKS	9:30				
PULL CASING	200	230	TRIPP TO CONO HOLE & REAM	9:30				
RUN IN W/ BIT REAM HOLE	230	430	TIGHT SPOT	11:30				
PIPE HOLE WORK PIPE	430	700	REAM 2.5 FEET TO BOTTOM	11:30	12:15			
CON MUD	700	700	CIRC TRIPPING TO CLEAN RIS	1:30				
STUCK IN HOLE	700	800	HOLE	1:30				
			Run 8 1/8 CASING	1:30	2:30			
			CIRC WORK CASING	2:30	3:30			
			Run CEMENT	3:30	4:00			
			PAID 5 JTS 26.74 8 1/4 24" ISS NEW CASING					
			LANDED 279.20 KB. CEMENTED W/ 130 SACKS					
			INLAND CON CEMENT P/2 1/2 GAL					

DISP W/ 17 BBLS WATER PLUG IN PLACE
400 PM MAR 18/60 BY ROWCO - GOOD & TRIPS

Artis...
Company Representative

GUTHRIE MCLAREN DRILLING LTD.

Well No. BA 995 TROOT RIVER #6

Tool Pusher

Date March 17 / 60

Lsd. Sec. Twp. Rge. W.

Drilled From 41 To 95 Hole Made 54 Drilled From 95 To 122 Hole Made 27 Drilled From 122 To 281 Hole Made 159

Bit No.	2A	1A	No. Stds.	Length	Bit No.	2A	No. Stds.	Length	Bit No.	2A	3A	No. Stds.	Length
Serial No.	RT	RA	No. D.C.'s	9457	Serial No.	RT	No. D.C.'s	4	Serial No.	RT	RT	No. D.C.'s	6
Bit Size	12 1/4	8 3/8	1 F S 46	137	Bit Size	12 1/4			Bit Size	12 1/4	12 1/4		
Bit Type	AT	SEC			Bit Type	OSC-3			Bit Type	OSC-3	OSC		
Dr. from	41	85	Kelly in	906	Dr. from	95	Kelly in	1047	Dr. from	95	240	Kelly in	2038
Dr. to	95	95	TOTAL	9500	Dr. to	122	TOTAL	12200	Dr. to	240	281	TOTAL	28100
Cored from			D.C.O.D. Top	Hrs. On Bottom	Cored from		D.C.O.D. Top	Hrs. On Bottom	Cored from			D.C.O.D. Top	Hrs. On Bottom
Cored to			D.C.I.D. Top	Hrs. Off Bottom	Cored to		D.C.I.D. Top	Hrs. Off Bottom	Cored to			D.C.I.D. Top	Hrs. Off Bottom
Reamed from	0		Pipe Size	Trip Time	Reamed from	41	Pipe Size	Trip Time	Reamed from	41		Pipe Size	Trip Time
Reamed to	41		C.S.G. Set at	Serv. Time	Reamed to	95	C.S.G. Set at	Serv. Time	Reamed to	95		C.S.G. Set at	Serv. Time
Total Bit Footage			C.S.G. Size	Rep. Time	Total Bit Footage	81	C.S.G. Size	Rep. Time	Total Bit Footage	177	41	C.S.G. Size	Rep. Time
Bit Hrs.			Pipe in Hole	Jts.	Bit Hrs.	3	Pipe in Hole	Jts.	Bit Hrs.	1314	1	Pipe in Hole	Jts.
Table R.P.M.	150	160	Pipe on Racks	Jts.	Table R.P.M.	100	Pipe on Racks	Jts.	Table R.P.M.	180	180	Pipe on Racks	Jts.

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease	Jts.	Depth	Deviation	Total Pipe on Lease	Jts.
Depth	Deviation			Consumption	Depth	Deviation			Depth	Deviation		
Depth	Deviation				Depth	Deviation			Depth	Deviation		
Depth	Deviation				Depth	Deviation			Depth	Deviation		

Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size	Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size	No. 2 Pump Size
12	9.0	6.0					Liner Size	Liner Size	8	9.3	152	68	200	1/4		Liner Size	Liner Size
1	9.0	6.3					Water-Loss	Filter Cake	9	9.3	150	68	200	1/4		Water-Loss	Filter Cake
2	9.0	9.0							10	9.3	154	68	200	1/4			
3	9.0	150							11	9.3	153	68	200	1/4			
4	9.3	190							12	9.3	132	68	200	1/4			
5	9.3	220					Mud Added Sacks	MA 2500	1							Mud Added Sacks	GL 1100
6	9.3	230					Chemicals Added Lbs.		2							Chemicals Added Lbs.	
7	9.3	221							3								

CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR	CREW	MATERIALS CHARGED TO OPERATOR
Driller: H. BARNARD	Core Bit: Serial	Driller: E. LAKESE	Core Bit: Serial	Driller: D. CLARK	Core Bit: Serial
Derrickman: A. LYMBURNER	Reaming Bit: Serial	Derrickman: V. SPOFFS	Reaming Bit: Serial	Derrickman: H. HUPPALAR	Reaming Bit: Serial
Cat Headman: C. HUPPALAR	Core Cutters SF. HF.	Cat Headman: A. BEASTAISE	Core Cutters SF. HF.	Cat Headman: D. TINDALL	Core Cutters SF. HF.
Rotary Helper: M. LAERENLY	Swab Cups	Rotary Helper: L. THOMAS	Swab Cups	Rotary Helper: D. TINDALL	Swab Cups
Fireman: D. MACKAY	Swab Rubbers	Rotary Helper: P. CORRAH	Swab Rubbers	Rotary Helper: E. STEHR	Swab Rubbers
Leaseman:		Fireman: A. KUBIUS		Fireman: C. STEHR	
		Leaseman: T. CAMPBELL		Leaseman:	

REMARKS	FROM	TO	REMARKS	FROM	TO
SERVICE RIG	1200	1215	SERVICE RIG	4:00	4:15
DRILLING 12 1/4 HOLE	1215	230	DR. HUNG	4:15	4:45
CIRC. MIX MUD	230	415	TRIP TO REAM	4:45	6:15
DRILLING 12 1/4 HOLE	415	545	CHECKING HOLE DEVIATION	6:15	6:30
PULL OUT RUN 8 3/8 BIT	545	600	CHECK FAULTING TO WORK	6:30	8:45
DRILL 8 3/8 PILOT HOLE	600	800	PROPERLY	8:45	9:15
			CHANGED CHECK. at R.C. 3.	9:15	10:15
				10:15	11:00
				11:00	12:00

Company Representative

GUTHRIE McLAREN DRILLING LTD.

Well No. B.P. 995 TPOWT RIVER #6

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Tool Pusher

Date March 16th 60

Drilled From _____ To _____ Hole Made

Drilled From _____ To _____ Hole Made _____

Drilled From 0 To 41 Hole Made 41

Bit No.	No. Stds.	Length	Bit No.	No. Stds.	Length	Bit No.	No. Stds.	Length
Serial No.	No. D.C.'s	Length	Serial No.	No. D.C.'s	Length	Serial No.	No. D.C.'s	Length
Bit Size		Length	Bit Size		Length	Bit Size		Length
Bit Type		Length	Bit Type		Length	Bit Type		Length
Dr. from	Kelly in		Dr. from	Kelly in		Dr. from	Kelly in	
Dr. to	TOTAL		Dr. to	TOTAL		Dr. to	TOTAL	
Cored from	D.C.O.D. Top	Hrs. On Bottom	Cored from	D.C.O.D. Top	Hrs. On Bottom	Cored from	D.C.O.D. Top	Hrs. On Bottom
Cored to	D.C.I.D. Top	Hrs. Off Bottom	Cored to	D.C.I.D. Top	Hrs. Off Bottom	Cored to	D.C.I.D. Top	Hrs. Off Bottom
Reamed from	Pipe Size	Trip Time	Reamed from	Pipe Size	Trip Time	Reamed from	Pipe Size	Trip Time
Reamed to	C.S.G. Set at	Serv. Time	Reamed to	C.S.G. Set at	Serv. Time	Reamed to	C.S.G. Set at	Serv. Time
Total Bit Footage	C.S.G. Size	Rep. Time	Total Bit Footage	C.S.G. Size	Rep. Time	Total Bit Footage	C.S.G. Size	Rep. Time
Bit Hrs.	Pipe in Hole	Jts.	Bit Hrs.	Pipe in Hole	Jts.	Bit Hrs.	Pipe in Hole	Jts.
Table R.P.M.	Pipe on Racks	Jts.	Table R.P.M.	Pipe on Racks	Jts.	Table R.P.M.	Pipe on Racks	Jts.
		Diesel Fuel Meter Reading			REMARKS:			REMARKS:
		Today 3-6						

Depth	Deviation	Total Pipe on Lease	Jts.	Yesterday	Depth	Deviation	Total Pipe on Lease	Jts.	R.P.M.	Pipe on Rack	Jts.	
Depth	Deviation			Consumption	Gals.	Depth	Deviation		Depth	Deviation	Total Pipe on Lease	Jts.
Depth	Deviation					Depth	Deviation		Depth	Deviation		
Depth	Deviation					Depth	Deviation		Depth	Deviation		

[illegible]

CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR			CREW			MATERIALS CHARGED TO OPERATOR		
Driller	H. AMFORD		Core Bit		Serial	Driller	F. LACASSE		Core Bit		Serial	Driller	D. CLARK		Core Bit		Serial
Derrickman	A. M. MURPHY		Reaming Bit		Serial	Derrickman	S. PETER		Reaming Bit		Serial	Derrickman	H. HUCKER		Reaming Bit		Serial
Cat Headman	C. HOGUE		Core Cutters SF. HF.		Core Catchers SF. HF.	Cat Headman	N. BERGSTADT		Core Cutters SF. HF.		Core Catchers SF. HF.	Cat Headman	H. TINDALL		Core Cutters SF. HF.		Core Catchers SF. HF.
Rotary Helper	M. LAFRANCY		Swab Cups		Swab Rubbers	Rotary Helper	J. THOMAS		Swab Cups		Swab Rubbers	Rotary Helper	F. SIBBESON		Swab Cups		Swab Rubbers
Fireman	D. MACKAY					Fireman	W. KUBILIUS					Fireman					
Leaseman	RMO					Leaseman						Leaseman					

[illegible]

Company Representative

Tool Pusher

GUTHRIE McLAREN DRILLING LTD.

Date March 15th 60

Well No. Briggs Trout River # 6

Lsd. _____ Sec. _____ Twp. _____ Rge. _____ W. _____

Drilled From _____ To _____ Hole Made _____ Drilled From _____ To _____ Hole Made _____ Drilled From _____ To _____ Hole Made _____

Bit No.		No. Stds.	Length	Bit No.		No. Stds.	Length	Bit No.		No. Stds.	Length	
Serial No.		No. D.C.'s	Length	Serial No.		No. D.C.'s	Length	Serial No.		No. D.C.'s	Length	
Bit Size			Length	Bit Size			Length	Bit Size			Length	
Bit Type			Length	Bit Type			Length	Bit Type			Length	
Dr. from		Kelly in ==		Dr. from		Kelly in ==		Dr. from		Kelly in ==		
Dr. to		TOTAL ==		Dr. to		TOTAL ==		Dr. to		TOTAL ==		
Cored from		D.C.O.D. Top	Hrs. On Bottom	Cored from		D.C.O.D. Top	Hrs. On Bottom	Cored from		D.C.O.D. Top	Hrs. On Bottom	
Cored to		D.C.I.D. Top	Hrs. Off Bottom	Cored to		D.C.I.D. Top	Hrs. Off Bottom	Cored to		D.C.I.D. Top	Hrs. Off Bottom	
Reamed from		Pipe Size	Trip Time	Reamed from		Pipe Size	Trip Time	Reamed from		Pipe Size	Trip Time	
Reamed to		C.S.G. Set at	Serv. Time	Reamed to		C.S.G. Set at	Serv. Time	Reamed to		C.S.G. Set at	Serv. Time	
Total Bit Footage		C.S.G. Size	Rep. Time	Total Bit Footage		C.S.G. Size	Rep. Time	Total Bit Footage		C.S.G. Size	Rep. Time	
Bit Hrs.		Pipe in Hole	Jts.	Diesel Fuel Meter Reading	Bit Hrs.	Pipe in Hole	Jts.	REMARKS:	Bit Hrs.	Pipe in Hole	Jts.	REMARKS:
Table R.P.M.		Pipe on Racks	Jts.	Today	Table R.P.M.	Pipe on Racks	Jts.		Table R.P.M.	Pipe on Racks	Jts.	

Depth							Deviation		Total Pipe on Lease			Jts.		Yesterday		Depth							Deviation		Total Pipe on Lease			Jts.								
Depth							Deviation							Consumption		Gals.		Depth							Deviation											
Depth							Deviation											Depth							Deviation											
Depth							Deviation											Depth							Deviation											
Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size		No. 2 Pump Size		Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size		No. 2 Pump Size		Time	Wt.	Vis.	Pump Stroke	Pump Pressure	Pit Gauge	Water Added	No. 1 Pump Size		No. 2 Pump Size					
12							Liner Size		Liner Size		8							Liner Size		Liner Size		4							Liner Size		Liner Size					
1							Water-Loss		Filter Cake		PH		9						Water-Loss		Filter Cake		PH		5						Water-Loss		Filter Cake		PH	
2													10												6											
3													11												7											
4													12												8											
5							Mud Added Sacks						1						Mud Added Sacks						9						Mud Added Sacks					
6							Chemicals Added Lbs.						2						Chemicals Added Lbs.						10						Chemicals Added Lbs.					
7													3												11											

CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR		CREW		MATERIALS CHARGED TO OPERATOR	
Driller	Core Bit	Serial		Driller	Core Bit	Serial		Driller	Core Bit	Serial	
Derrickman	Reaming Bit	Serial		Derrickman	Reaming Bit	Serial		Derrickman	Reaming Bit	Serial	
Headman	Core Cutters SF. HF.	Core Catchers SF. HF.		Headman	Core Cutters SF. HF.	Core Catchers SF. HF.		Headman	Core Cutters SF. HF.	Core Catchers SF. HF.	
Rotary Helper	Swab Cups	Swab Rubbers		Rotary Helper	Swab Cups	Swab Rubbers		Rotary Helper	Swab Cups	Swab Rubbers	
Rotary Helper				Rotary Helper				Rotary Helper			
Fireman				Fireman				Fireman			
Leaseman				Leaseman				Leaseman			
Driller	4. BARNFORD 16 HRS			Driller	E. LACASSE 16			Driller	D. CLARK 16 HRS		
Derrickman	A. J. MCLENNAN 16 HRS			Derrickman	J. SPERS 12			Derrickman	H. HOCULAK 16 HRS		
Headman	C. HUBBARD 16 HRS			Headman	N. BEASTAISE 16 HRS			Headman			
Rotary Helper	M. LAFRANCE 16 HRS			Rotary Helper	L. THOMAS 12			Rotary Helper	D. FINDALL 16 HRS		
Rotary Helper				Rotary Helper				Rotary Helper	F. SIBBESTON 16 HRS		
Fireman	D. MACKEY 10 HRS			Fireman	L. DUPERDON 10 HRS			Fireman	H. BURGIE 16 HRS		
Leaseman				Leaseman				Leaseman			

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