



Well Name Nom du puits		Atkinson Helmet et al Trout L H-57		Drilling Authority No. Autorisation de forage n°		660	
Field/Area Gisement/Région		Trout Lake		Date Issued Date d'émission		Jan. 31, 1973	
Location Emplacement		Unit Unité		Section		Permit or Lease 212-67	
		H-57-60-30-121-15					
Latitude		60°26'21"		Longitude		121°24'46"	
U.W.L.R. N.R.U.E.P.		60.43916 -- 121.41278					
U.W.I. No. N.I.P. No.		300H576030121150					
File Microfilmed				Rig. Release Date Date de transfert de la tour de forage		27-3-73	
Tour Sheets, Microfilmed				Status Statut		D + A	
				Information Release Date Date de publication autorisée des informations		27-3-75	

CHANGE OF NAME:
CHANGEMENT DE NOM:Change of Location
Changement de emplacement

INDEX	DATE RECEIVED RECU LE	INDEX
Application for a Drilling Authority	09-02-73 K	Demande d'autorisation de forage
Well Completion Data	9-5-73 K	Renseignements sur le forage d'un puits
Well History Report	12-6-73 K	Données chronologiques sur le puits
Application to Amend a Drilling Authority		Demande de modification d'une autorisation de forage
Application to Change a Well Name		Demande de changement du nom d'un puits
Application to Abandon a Well or Suspend Drilling		Demande d'abandon d'un puits ou de suspension du forage
Application to Alter Condition of a Well		Demande d'autorisation de modifier l'état d'un puits
Well History Supplement		Supplément aux données chronologiques sur le puits
Well Completion Data		Renseignements sur le forage d'un puits
Work-Over Report No.		Rapport de reconditionnement n°
Application to Commingle Production before Measurement		Demande d'autorisation de mélanger la production avant jaugeage
Data for Back Pressure Test on Natural Gas Wells		Données de calcul de la capacité de production d'un puits de gaz naturel - Méthode graphique n° 7
Data for Back Pressure Test on Natural Gas Wells		Données de calcul de la capacité de production d'un puits de gaz naturel - Méthode de Vitter
M.P.R. - Oil - Calculations		Calcul du T.M.P. (Taux maximal de production) de pétrole
New Oil Well Report		Rapport sur un nouveau puits de pétrole
New Gas Well Report		Rapport sur un nouveau puits de gaz naturel
Well Inspection Report		Rapport d'inspection de l'emplacement d'un puits
Rig Inspection Report	8-3-73 K	Rapport d'inspection d'une tour de forage
Battery Inspection Report		Rapport d'inspection d'une batterie de puits
Equipment Report		Rapport d'inspection des compteurs
Well Card		Fiche de puits
New Service Well Report		Rapport sur un nouveau puits de service
Strat Service Logs		Rapport mensuel des injections d'eau
Logs - Large scale		Diagrammes: Grande échelle
Logs - Small scale		Diagrammes: Petite échelle



Date Issued.....

WELL COMPLETION DATA

document, recompletion
MAY - 9 1973
YELLOWKNIFE, N.W.T.
NORTHWEST TERRITORIES
HUMAN DEVELOPMENT

Location: Unit H Section 57 Grid 60 30 - 121 15
Latitude 60° 26' 21" N Longitude 121° 24' 46" W
From Established Reference Marker 300H576030121150
Universal Well Location Reference Lat. 60.43917° N., Long. 121.41278° W.

CASING RECORD

GEOLOGICAL TOPS

CORE RECORD

... ..

LAND 52-90 (2) (2-69)

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION
RIG INSPECTION REPORT

A. Name and number of Well: Atkinson H. 1st of 1st Tract 11-57
 Location: 60 30 N. 101 15 W. Drilling Authority No: 666
 Date of Inspection: March 15/73 Inspection No: 1
 Date of Previous Inspection: _____
 Contractor: Thompson Drilling Rig 7
 Rig No: 7 Date Spudded: 15 Feb 1973
 Operation in Progress: Thompson Depth: 5365 Projected Total Depth: 6762
 Last Casing in the Hole: Surf Casing String: _____ Size: 9 1/2 O.D. Depth set: 100 ft.
 Liner: _____
 Toolpusher: Ken Davis Signature: R. Davis
 Operator's Rep: Ken McKenzie Signature: Ken McKenzie
 Cons. Eng: Greg Wood Signature: Greg Wood

B. BLOWOUT PREVENTION EQUIPMENT

API Classification 900

Stock Arrangement & Specifications Conform to those submitted with D.A. ☒ Yes ☐ No

Present Arrangement of B.O.P. Stack: ☒ Satisfactory ☐ Unsatisfactory

Description and location of Pressure Source and B.O.P. Controls: on floor + remote

Describe B.O.P. & Air Intake Shut-off Tests Witnessed Hydril, pipe rams, shut
offs OK

C. MANIFOLD

Manifold Arrangement & Specifications Conform to those submitted with D.A. ☒ Yes ☐ No

Present Arrangement of B.O.P. Stack: ☒ Satisfactory ☐ Unsatisfactory

Working Pressure Rating of Manifold 3000 #

D. Satisfactory	Unsatisfactory	ITEMS	Category
☒	☐	1. Posting of Drilling Authority.	Drilling Authority & Report
☒	☐	2. Posting of warning signs (if in H ₂ S area) and no smoking signs.	
☒	☐	3. Recording of all required information in tour reports.	
☒	☐	4. B.O.P. equipment appears to be properly connected.	Blowout Prevention Equipment
☒	☐	5. B.O.P. equipment tested daily and tests recorded.	
☒	☐	6. Equipment was adequately pressure tested before drilling out casing shoe.	
☒	☐	7. B.O.P. equipment housed, ventilated & heated for winter operations.	
☒	☐	8. Bleed-off & kill lines adequate and properly tied down.	
☒	☐	9. B.O.P. controls and accumulator adequately and properly located.	
☒	☐	10. Crew properly trained and capable of operating B.O.P. equipment.	
☒	☐	11. Engine shut-off controls installed and functional.	Fire Hazards
☒	☐	12. Engine exhausts properly connected with required safety features.	
☒	☐	13. Smoking regulation being observed.	
☒	☐	14. Boilers, electric generators, accumulator & fuel supplies at required distance from well and from each other.	
☒	☐	15. Flare pit, flare line & pump adequate and at required distance from well.	
☒	☐	16. Fire fighting equipment adequate and maintained.	
☒	☐	17. Proper electrical wiring and fittings installed and maintained.	
☒	☐	18. Adequate first aid kits, stretchers and blankets available and maintained.	Personnel Safety
☒	☐	19. Radio in 24 hour operation.	
☒	☒	20. Required personnel have valid first aid certificates.	
☒	☒	21. Breathing apparatus - adequate, accessible and maintained.	
☒	☐	22. Other required personnel safety equipment.	
☒	☐	23. General house keeping and indication of good practice.	General
☒	☐	24. Equipment appears to conform with CEC & WCA standards.	
☒	☐	25. Required deviation surveys being run.	
☒	☐	26. Elimination of potential hazardous conditions.	
☒	☐	27. Adequacy of contingency plans, equipment and supplies.	

2. Remarks & Recommendations (Any comments or action required on items listed above and other items detailed in Inspection Guide should be listed here)

Item No.

21. No breathing apparatus on lease. Informed toolpush and operators cap to obtain breathing masks as soon as possible. No drill stem tests will be allowed until these are obtained.

Drilling Authority No. 660

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill:—

Name and number of well ATKINSON HELMET ET AL TROUT L H-57
 Location: Unit H Section 57 Grid 60-30 ~ 121-15
 Latitude 60° 26' 21" N Longitude 121° 24' 46" W
 Unique Well Identifier 300H576030121150
 Universal Well Location Reference Lat. 60.43917° N., Long. 121.41278° W.
 Elevation: Ground 2092' K.B. 2107' (Est.) feet above sea-level.
 Well is expected to produce from Slave Point formation at a depth
 of about 6252' feet. Expected total final depth 6962'
 Area assigned to well Exploratory
 (for Oil Conservation Engineer's use only)

Permit No. --- Lease No. 212-67 Acreage 12632
 Permittee, licensee, or lessee Canada Southern Petroleum Ltd.
 Exploratory Licence No. 1543
 Surface owned by Crown or Crown
 (If allocated submit name and address of owner and occupant.)
 Petroleum and natural-gas rights owned by Crown

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

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Backs of Cement
1. <u>9.5/8"</u>	<u>36#</u>	<u>K-55</u>	<u>New</u>	<u>1000</u>	<u>1000</u>
2. <u>30"</u>				<u>60</u>	<u>To surface</u>
3. <u>Additional strings of casing are to be approved by the District 5</u>					
4. <u>Conservation Engineer.</u>					
5.					

Expected water, gas, and oil horizons and type of control equipment.
Slave Point
Hydrill Double Gate BOP

Well will be drilled with Rotary Rig No. 7 by Thomson Drilling Canada Ltd.
 (Drilling Contractor or company)

Responsible agent of applicant:—

Contractor's Business Licence No.

At well Ken MacKenzie At registered office Atkinson Petroleum Ltd.

Address 900, 540 - 5th Aven. SW Address 900, 540 - 5th Avenue, S.W. Calgary Alt

It is understood that if changes become necessary, notice of the change of plan will be submitted.

Dated at Calgary, this 16th day of January, 19 73

Signed by Ad. MacKenzie Company ATKINSON PETROLEUMS LTD.

Title Drilling Prod. Superintendent Operator's Licence No. 334

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:—

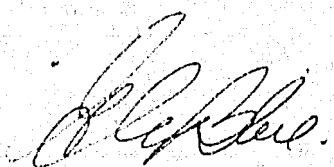
The Conditions of Approval that are attached will affect your operations. Please read and post the Conditions of Approval at the drilling site.

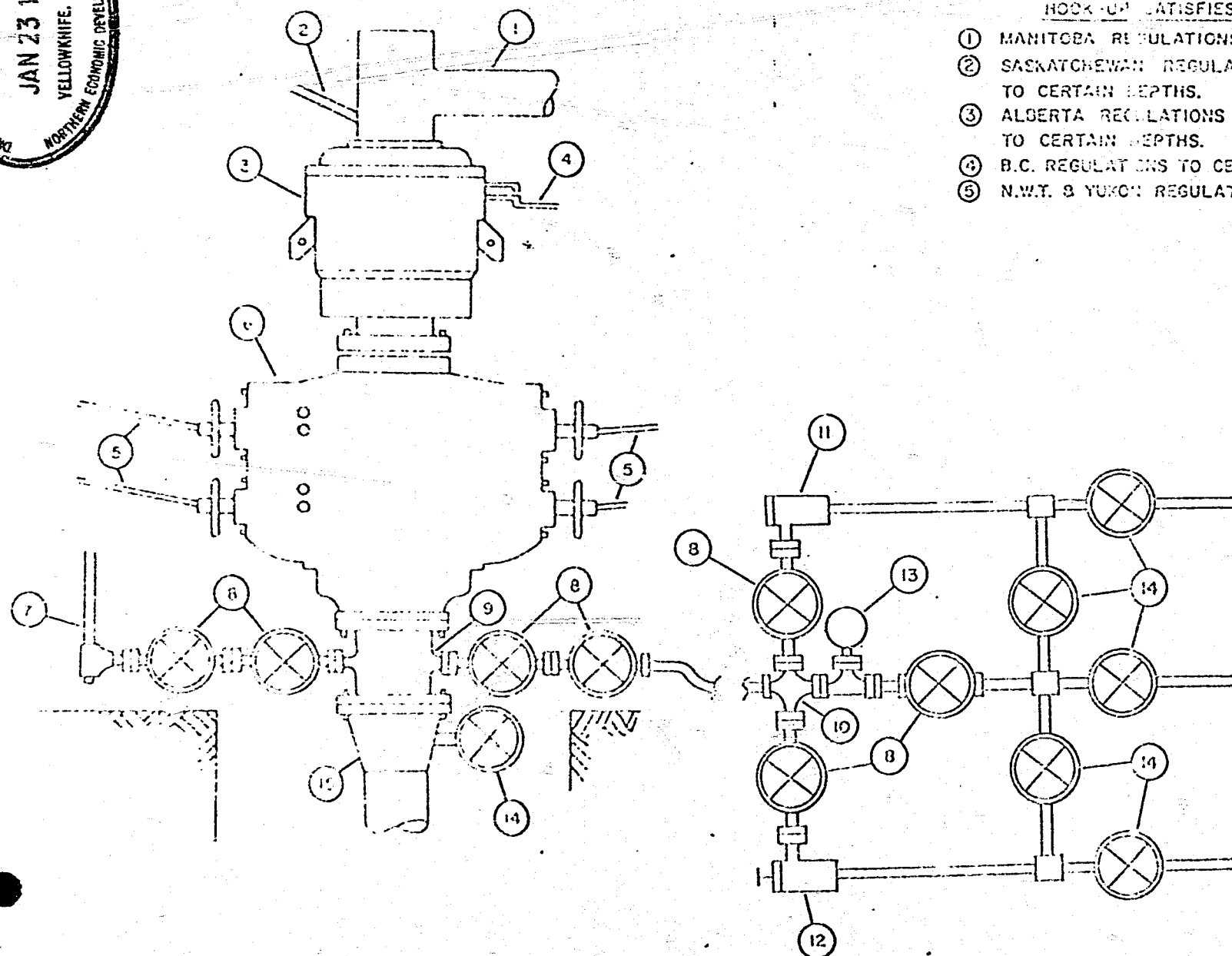
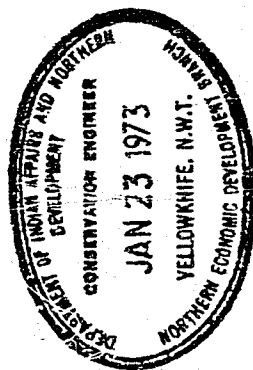
Dated Jan 31 19 73 [Signature]
 Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer,
 Department of Indian Affairs and Northern Development, Calgary, Alberta.

WELL Atkinson Helmet at al Trout L M-57

1. Copies of this Drilling Authority, Conditions of Approval and Daily Drilling Report Preparation Requirements card, shall be posted in a conspicuous manner in both the doghouse and drilling foreman's or engineer's office between mud and rig release dates.
2. The company will submit to this office, on Tuesday morning of each week, a day-by-day progress report covering on the well FOR THE PAST WEEK. (See daily drilling report preparation that is attached for pertinent details.)
3. All shows of oil and gas are to be reported to the District Conservation Engineer immediately.
4. When a fatal accident occurs the District Conservation Engineer is to be notified immediately and drilling activities must cease. Permission to resume operations will be granted by the District Conservation Engineer after a fatality.
5. All waste material on and around the wellsite area shall be disposed of in a manner that will prevent pollution to adjacent areas. Refuse shall be burned and the residue shall be buried with an adequate cover of earth.
6. Forward to this office two (2) field prints of all well logs, copies of Core Analysis and Fluid Analysis as soon as they are available.
7. Prior approval from a District Conservation Engineer is required for any changes to the approved Drilling Authority.
8. In addition to cleaning up the above well site you are asked to clean up Atkinson CSP Trout L M-57. Please notify this office when the clean-ups are complete.


G.E. Blue,
District Conservation Engineer,
Department of Indian Affairs and
Northern Development,
P.O. Box 1500,
Yellowknife, N.W.T.,
XOE LHO



HOOK-UP SATISFIES

- ① MANITOBA REGULATIONS
- ② SASKATCHEWAN REGULATIONS TO CERTAIN DEPTHS.
- ③ ALBERTA REGULATIONS TO CERTAIN DEPTHS.
- ④ B.C. REGULATIONS TO CERTAIN DEPTHS
- ⑤ N.W.T. & YUKON REGULATIONS.

API - 3M - 12" SRRA BOP Assumbly

1. Flow nipple 11" minimum vertical bore.
2. 2" low pressure mud fill-up line.
3. 12" hydril "GK" BOP 6000 psi test, 3000 psi W.P.
4. Hydraulic control lines, 1" min. I.D.
5. Mechanical controls on double gate BOP.
6. 12" - 3M - API double gate Shaeffer or Cameron (pipe rams and blind rams).
7. Hydraulic control lines for double gate BOP.
8. High pressure fill-up line.
9. Minimum 2" flanged 3M API check valve.
10. Minimum 2" flanged 3M API all-steel, full opening gate or plug valve.
11. Minimum 2" flanged 3M API positive choke.
12. Minimum 2" flanged 3M API adjustable choke.
13. 3000 psi mud gauge
14. Minimum 2" screwed 3M API all-steel gate or plug valves.
15. 3M - API screwed-type casing bowl complete with two screwed outlets.



ATKINSON PETROLEUMS LTD

WELL NAME: ATKINSON CSP TROUT LAKE H 57
LOCATION: H-57; Lat. 60° 30"; Long. 121° 15"
CO-ORDINATES: South 20,286'; West 24,529'

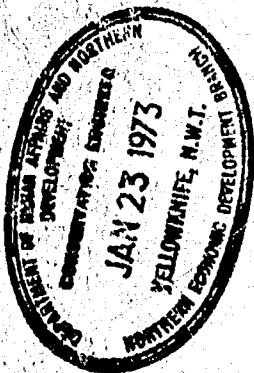
ELEVATIONS: Ground Level: 2092'
K.B. Elevation: 2107' (Est.)

OBJECTIVE: Slave Point

PROGNOSIS:	FORMATION	DEPTH	SUB-SEA
	Ground Level Elevation		2092' (Est.)
	Kelly Bushing Elevation		2107' (Est.)
	Mississippian		
	Banff	1682'	+ 425'
	Exshaw	2682'	- 575'
	Devonian		
	Kotcho	2802'	- 695'
	Tetcho	3522'	-1415'
	Utahn	4602'	-2495'
	Ft. Simpson	4662'	-2555'
	Muskwa	6227'	-4120'
	Slave Point	6252'	-4145'
	Watt Mountain	6552'	-4445'
	Upper Keg River	6612'	-4505'
	Lower Keg River	6852'	-4745'
	Chinchaga	6912'	-4805'
	Core Point		
	TOTAL DEPTH	6962'	-4855'

**SURFACE HOLE
PROGRAM:**

- (a) Drill approximately 1400' of 13.3/4" hole. Should deviation occur then the remainder of surface hole will be pilot drilled with an 8.3/4" bit and reamed to 13.3/4". The wellsite geologist to advise that surface hole terminates in a competent formation. Take surveys at least every 100 feet and record results in tour reports (maximum deviation for surface hole is 1° from vertical).
- (b) Run approximately 1400' of 9.5/8", 36#, H-40, ST&C casing, equipped with guide shoe, float collar and four centralizers, threadlock to be used and bottom three joints tack welded. Cement with 1500 sacks construction cement plus 2% CaCl₂ (100% excess). Recement behind the casing if necessary.
- (c) Wait on cement 12 hours and weld on casing bowl. A 9.5/8" slip on 10" nominal series-900.



(d) Install BOP's in the following sequence:-

- (1) 10" series 900 double gate Shaeffer (or equal) hydraulic blow-out-preventer with pipe rams in top and blank rams in bottom
 - (2) 10" x 10" x 3" x 3" Spool. R.T.J.
 - (3) 10" series 900 hydrill (or equal) blow-out-preventor.
 - (4) One properly valved (1 - 3" series 900 R.T.J. plug valve and 1 - 3" series 900 R.T.J. full opening gate valve). 3" line to flare from the one opening on the spool. The other opening on the spool to be valved with a plug and full gate valve as above.
 - (5) One properly valved (2" series 900 R.T.J. flanged rectangular opening plug valve and a 2" series 900 R.T.J. flanged choke valve) 2.7/8" tubing line to flare pit from casing bowl.
 - (6) Precaution should be taken during rig up to make sure there is enough room between the BOP's and sub-structure for the installation of a rotating head, should the 7" intermediate casing be run.
- NOTE: All flare lines to be staked and tied down properly at sub-structure and flare pit at intervals of 45 feet.
- (7) Blind rams, pipe rams, kelly cock and hydrill are to be pressure tested to 1000 psi plus before drilling out., BOP's are to be tested to 1000 psi daily and recorded in the daily drilling report book.

MAIN HOLE:

- 1 Drill 8.3/4" hole from under casing shoe to either T.D. or if gas is encountered in the Slave Point intermediate casing may be run and hole reduced to 6 1/4" /
2. Take drift surveys every 500 feet and record in drilling report book. Maximum deviation 3°, maximum rate of change 1° in 100 feet.
3. Hole must be kept in condition to ensure successful testing when required by wellsite geologist

4. The Slave Point formation will be drilled with an 8.3/4" cut out bit and after penetrating approximately 15' - 20' of productive porosity and drill stem testing same, a 7" intermediate string may be run.
5. Run 5000' of 7", 23#, J-55, LTC intermediate string and the remainder 7", 23#, N80, LT&C or modified and cement with 140 sacks Pozmix 1:1 + 2% Gel + 2% CFR2. Casing to be equipped with guide shoe, float collar, seven centralizers and scratchers.

The running of the 7" intermediate is dependent on zone evaluation.

Wait on cement 24 hours.

LOWER HOLE:

1. Drill 6 1/2" hole to T.D.
2. Run 5" liner to T.D. Hang on second joint of 7" intermediate and cement with 120 sacks cement

TESTING:

The wellsite geologist will determine the need for testing and will pick the packer seat and the interval to test.

The testing tool must be retrieved at a slow rate to reduce swabbing action.

SAMPLES:

1. One set of washed samples at 10 foot intervals will be obtained for the from below surface casing to total depth.
2. Additional sample cuts will be obtained at the direction of the wellsite geologist.
3. A representative sample of all fluids recovered on drill stem tests will be taken and analysed.

DRILL PIPE MEASUREMENTS

Drill pipe should be tallied on the first trip after drilling out the surface casing and approximately 1500 foot intervals to total depth

If there is a discrepancy of more than two (2) feet the drill pipe should be re-tallied while running in the hole.

Also, the drill pipe should be measured before testing, logging and running casing.

MUD:

To be strictly adhered to as per Milchem mud program enclosed.

LOGGING:

1. B.H.C. Sonic-Gamma Ray with Caliper (integrated)
2" Surface Casing - T.D.
5" Top of Slave Point - T.D.
2. Dual Induction Laterolog
2" (logarithmic) Surface Casing - T.D.
5" (logarithmic) Top of Slave Point - T.D.
3. Formation Density Log with Gamma Ray and Caliper
2" Top of Slave Point - T.D.
5" Top of Slave Point - T.D.
4. Sidewall Neutron Porosity Log with Gamma Ray and Caliper
5" Top of Slave Point - T.D.

SERVICE COMPANIES:

		<u>Area</u>	<u>Telephone</u>
Cement:	Halliburton	Fort Nelson	604-774-6436
Cement Service:	Halliburton	Fort Nelson	604-774-6436
Drilling Mud:	Milchem	Fort Nelson	604-774-6611
D.S.T.:	Johnson Testers	Fort Nelson	604-774-6774
Logging:	Schlumberger	Fort Nelson	604-774-2354
Casing Tongs:	Supervisor	N.W.T.	
Supply Co.:	Supervisor	N.W.T.	
Trucking:	Supervisor	N.W.T.	
Earth Work:	Ray Jones	Fort Nelson	604-785-5611

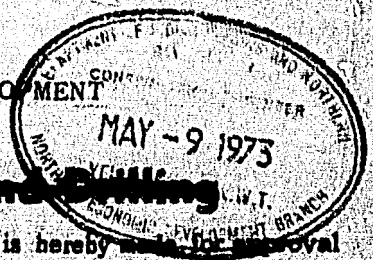
SUPERVISOR:

<u>Name</u>	<u>Telephone</u>
Atkinson Petroleum Ltd.	Calgary 265-0715
A. Skiber (Geology)	Calgary 243-1679 (Res.)
J. L. Atkinson	Calgary 281-3913 (Res.)
Gaye Doyle (Reports)	Calgary 263-5871 (Res.)
V. E. Gerlitz (Land)	Calgary 282-4835 (Res.)



File No.
Drilling Authority No. 660

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION



Application to Abandon a Well or Suspend Drilling

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to abandon, to suspend drilling:—

Name and number of well ATKINSON HELMET ET AL TROUT L H-57
Location: Unit H Section 57 Grid 60-30 - 121-15
Latitude 60° 26' 21" N Longitude 121° 24' 46" W
From Established Reference Marker K-70-5-186 shot point
Universal Well Location Reference Lat. 60.43917° N Long. 121.41278° W
Permit No. Lease No. 212-67

..... Canada Southern Ltd.
(Permitter, Licensee, Lessee)

Date of commencement of proposed program February 15, 1973

OIL, GAS, AND WATER ENCOUNTERED (Depths)

Oil at
Gas at
Water at
Total Depth 6908' Date of last operations March 27, 1973
Present condition of well Abandon

CASING RECORD

Casing Size O.D. inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. <u>9 5/8"</u>	<u>36</u>	<u>1037</u>	<u>1003</u>	<u>1000 sxs + 2% CaCl₂</u> (good cement returns)	<u>34'</u>
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Plug	Geological Formation	Number of Sacks of Cement	Remarks
	Position			
<u>1</u>	<u>6908 - 6708</u>	<u>Keg River</u>	<u>90</u>	<u>no feel</u>
<u>2</u>	<u>6485 - 6385</u>	<u>Slave Point</u>	<u>100</u>	<u>felt at 6365'</u>
<u>3</u>	<u>1053 - 953</u>	<u>Banff</u>	<u>100</u>	<u>felt at 950'</u>
.....				
.....				
.....				
.....				
.....				
.....				

The following logs have been run Dual Induction E-log, Borehole Compensated Sonic Log
Other operations proposed abandonment

Operations to be carried out by Atkinson Petroleum Ltd. Contractor Licence No. 380
Address 900, 540 - 5th Ave. S.W. Calgary Address

Responsible Agent in field Gordon Haggart
Dated at Calgary, this 4 Day of May 1973

Signed by [Signature] Company
Title Drilling - Prod. Sup. Operator's Exploratory Licence No. 334

Note:—The Oil Conservation Engineer's office must be notified before work is commenced.

(For OIL AND MINERAL DIVISION use only)

APPROVAL

This application has been examined and proposed programme approved, subject to the following conditions:

Confirming oral approval given March 26, 1973

Dated May 10, 19 73 [Signature]
Oil Conservation Engineer

Forms to be submitted in triplicate to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

WELL HISTORY REPORT

ATKINSON HELMET CSP TROUT LAKE

H - 57

803-11-04-009

803-11-04-009

WELL HISTORY SUMMARY

ATKINSON HELMET *ET AL* TROUT LAKE H-57

60 30'N, 121 15'W

Report Prepared by:

Donald W. Holmes P.Geol.
Geologic Consultant

March 29, 1973

D. W. Holmes



WELL HISTORY REPORT

ATKINSON ^{HELMET ET AL} TROUT LAKE H-57

SECTION I - Summary of Well Data

WELL NAME: Atkinson CSP Trout Lake H-57

PERMITTEE: Canada Southern Petroleum

OPERATOR: Atkinson Petroleum Ltd.
540-5 Ave. S.W.
Calgary, Alberta

LOCATION: H-57-60-30-121-15
Lat. 60.43917 ; Long. 121.41278
300H576030121150

CO-ORDINATES: 60 26'21" N; 121 24'46" W

LEASE NUMBER: 212-67

DRILLING CONTRACTOR: Thomson Drilling Canada Ltd. Rotary Rig#7

DRILLING AUTHORITY: #660
January 31, 1973

CLASSIFICATION: New Field Wildcat

ELEVATIONS: K.B. - 2110
Ground: - 2092

SPUDED: Feb.15, 1973

COMPLETED DRILLING: March 25, 1973

TOTAL DEPTH: 6908 (Driller)

WELL STATUS: Dry and abandoned.

RIG RELEASED:

March 27, 1973

HOLE SIZES:

13 3/4" hole 0 - 1003
8 3/4" hole 1003 - 6908

CASING:

Ran 9 5/8", 36#, H-40 St&C casing to
1003'.

Cemented with 1000 sacks construction
cement plus 2% CaCl_2 .

FORMATION EVALUATION

With the exception of the Keg River Formation, very little porosity was encountered at the H-57 location.

The Banff Formation comprises mostly calcareous shales with common argillaceous siltstone and occasional, marly limestone interbeds. Several thin shaly sandstone interbeds were observed with minor dark brown tarry oil stain. The porosity is extremely poor and erratic in this interval.

The Devonian Kotcho and Tetcho Formations contain micritic argillaceous, chalky limestones with little to no effective porosity. Calcareous shales and siltstone interbeds are common. Rare thin, argillaceous, very fine grained sandstone interbeds near the base of the Tetcho Formation also contain a trace of dark brown tarry (?) oil stain. The thin beds, low porosity and heavy nature of the oil in this interval indicate little likelihood of commercial oil.

The Slave Point and Sulphur Point Formations show little lithologic variations. Tight micrites with thin pelletal calcarenite interbeds predominate. Very rare coral fragments were observed in the Slave Point. Random poor pin point and interpelletal porosity occurs; this is partially filled with sparry calcite and, on occasion, pyrobitumen. The very dark micrites of the upper Slave Point are interpreted to be an open marine facies. The cream coloured barren micrites of the lower Sulphur Point (Muskeg equivalent) may represent a restricted environment.

A partial buildup of the Keg River Formation was encountered at H-57. Due to continuing lost circulation problems, only 28 feet of the Keg River was penetrated. Porous, coarse crystalline dolomites comprise the entire interval. The sonic log showed fair to good (7-9%) porosity. The water saturations vary between 40 to 50% which is indicative of a wet reservoir in this area. The presence of porous Keg River reef (?) at the H-57 location is encouraging and indicates the potential for a higher, possibly gas bearing buildup in this general area.

SECTION II - Geological Summary

FORMATION TOPS:

<u>FORMATION</u>	<u>SAMPLE DEPTH</u>	<u>LOG DEPTH</u>	<u>SUBSEA</u>
Mississippian			
Banff	-	1741	+369
Exshaw	-	2864	-754
Devonian			
Kotcho	2966	2968	-858
Tetcho	3658	3658	-1548
Utahn	4780	4775	-2665
Ft. Simpson	4842	4837	-2727
Muskwa	6430 ⁺	6426	-4316
Slave Point	6446	6438	-4328
Watt Mountain	-	6749	-4639
Sulphur Point	-	6756	-4646
Muskeg?	6784?	-	-
Keg River	6881	6880	-4770

T.D. Driller - 6908

Schlumberger - 6905

CORED INTERVALS: Nil

DRILLSTEM TESTS: Nil

SAMPLE DESCRIPTION

Samples collected from 2000' to T.D.

Quality is poor to fair.

- 2010 Shale, very light grey, very soft, calcareous, bentonitic, occasional ostracod and crinoid fragments, scattered very fine pyrite crystals.
- 2020 a.a., with thin calcareous siltstone and silty limestone interbeds.
- 2070 a.a., trace very fine grained sandstone with dark brown tarry oil stain, very poor porosity.
- 2090 Shale a.a., common silty limestone, calcareous siltstone, and very fine sandstone interbeds.
- 2150 Siltstone, light grey, very calcareous, silty limestone interbeds, argillaceous.
- 2170 a.a., common grey calcareous shale interbeds.
- 2180 Shale, grey, calcareous.
- 2200 Siltstone, grey, calcareous, very argillaceous.
- 2220 a.a., common grey shale interbeds.
- 2230 Shale, dark grey, fissile, fine carbonaceous debris.
- 2250 a.a. with calcareous argillaceous siltstone interbeds.
- 2290 Shale, very light grey, calcareous, soft, bentonitic.
- 2300 a.a., common argillaceous, calcareous siltstone and limestone.
- 2310 Siltstone, light grey, very calcareous, argillaceous, argillaceous, trace mica and glauconite, scattered grey calcareous shale interbeds.
- 2360 a.a. with a trace of very fine grained calcareous sandstone interbeds.
- 2410 Shale, light grey, silty, very calcareous, micaceous, thin calcareous argillaceous siltstone interbeds.
- 2500 a.a., common calcareous siltstone interbeds.

- 2530 Shale, a.a., scattered silty shale interbeds.
- 2580 a.a., thin calcareous, very argillaceous siltstone interbeds.
- 2630 Some grey non-calcareous shale interbeds, occasional silty limestone.
- 2750 Mostly shale, dark grey, fissile, common soft light grey, calcareous shale interbeds.
- 2790 Shale grey and light grey, slightly calcareous, micromic.
- 2830 Shale, grey, fissile, trace calcareous siltstone, scattered dark grey shale interbeds.
- 2860 Shale, grey, fissile, scattered dark grey interbeds.
- 2910 Shale a.a., trace light grey, micritic limestone interbeds.
- 2920 a.a., trace very light grey waxy shale.

TOP OF KOTCHO 2966

- 2970 Limestone, light grey, slightly argillaceous micrite, tite.
- 2980 Limestone, light grey to white, partly chalky, micritic, microx to very fine crystalline, trace skeletal debris, scattered large crinoid fragments, partly chalky, tight.
- 3070 Limestone, a.a., common interbeds of shale, very light grey, soft, calcareous.
- 3130 Shale, grey fissile, common interbeds of light grey calcareous shale and limestone a.a..
- 3140 Limestone, light grey, argillaceous, micritic, thin light grey calcareous shale interbeds.
- 3170 Shale, light grey-grey, partly calcareous, common micritic limestone interbeds.
- 3180 Shale, grey, very calcareous.
- 3190 a.a. with occasional micritic limestone interbeds.

- 3410 Shale, a.a., common grey to dark grey interbeds, non-calcareous, trace limestone.
- 3430 Shale, grey micromic, fissile, scattered calcareous shale interbeds, occasional brachiopod fragments.
- 3460 Shale, mostly light grey calcareous.
- 3490 Shale, grey to dark grey, scattered light grey calcareous shale interbeds, occasional brachiopod and crinoids.
- 3520 Shale, grey fissile, micromic, common interbeds of grey slightly calcareous shale.
- 3600 Shale light grey to grey, fissile, trace slightly calcareous light grey interbeds.

TOP TETCHO 3658

- 3660 Limestone, cream to light brown, slightly chalky, microx, micrite, tite.
- 3680 Limestone, a.a., common crinoid fragments.
- 3720 Limestone, a.a., some grey shale interbeds.
- 3730 Limestone, tan, microx, micrite, dense.
- 3760 Limestone, common light grey shale interbeds.
- 3780 Mostly shale, light grey to grey, fissile, some slightly calcareous, (poor samples?)
- 3800 Limestone, tan, microx, micrite, dense, common shale interbeds (many shale cavings).
- 3870 Limestone a.a., common cream chalky limestone interbeds, scattered shale interbeds.
- 3950 Limestone, light tan, microx, micrite, trace brachiopod fragments, thin light grey slightly argillaceous.
- 4010 Shale, light grey, fissile, slightly calcareous.
- 4040 Shale, a.a. interbeds of limestone, light tan, microx, micrite, dense

- 4050 Limestone, light grey to tan, micrite, slightly argillaceous.
- 4060 a.a., trace calcareous siltstone interbeds.
- 4070 Shale, light grey, fissile, slightly calcareous, thin micritic limestone interbeds.
- 4080 Limestone, tan, microx, micrite, dense, trace crinoid and ostracod fragments.
- 4090 a.a., light grey shale interbeds, slightly calcareous.
- 4120 Shale with limestone interbeds a.a..
- 4170 Shale, light grey, slightly calcareous, trace micritic limestone interbeds.
- 4180 Shale, grey, fissile, slightly calcareous.
- 4190 a.a., common tan, chalky, micritic limestone interbeds.
- 4200 Shale, a.a..
- 4210 Shale, a.a., trace limestone.
- 4220 Shale, a.a., trace limestone and calcareous siltstone interbeds.
- 4240 Shale, a.a., thin fine grained sandstone interbeds, very argillaceous, glauconitic, calcareous tite.
- 4250 Shale, light grey, slightly calcareous thin micritic limestone interbeds.
- 4260 a.a. with siltylimestone and calcareous siltstone interbeds.
- 4270 a.a. common limestone interbeds.
- 4290 Shale, a.a. with light grey calcareous siltstone and silty limestone interbeds.
- 4300 a.a., no sandstone.
- 4340 Shale, grey, fissile, slightly calcareous, scattered light grey calcareous siltstone and silty shale interbeds.

- 4360 a.a., the siltstones grade to very finegrained, sandstone, glauconitic with a trace of dark brown oil stain, very poor porosity.
- 4390 Shale with siltstone and sandstone a.a., no stain, trace micritic limestone occasional ostracods.
- 4410 Shale, a.a., thin limestone and calcareous siltstone interbeds.
- 4440 Shale, light to medium, micaceous, fissile, scattered maroon shale interbeds, trace limestone and calcareous siltstone interbeds.
- 4470 Shale, grey, micromic, fissile, thin calcareous siltstone interbeds.
- 4510 Shale, light grey, soft, fissile.
- 4520 Shale, stringers of limestone, tan, chalky, micritic, occasional small fossil fragments.
- 4530 a.a., limestone is light grey to tan, slightly argillaceous, silty.
- 4540 shale, a.a..
- 4550 a.a.
- 4560 Shale, a.a., thin limestone and calcareous siltstone interbeds.
- 4570 No sample.
- 4580 Shale, grey, fissile, common limestone, grey to tan, silty, scattered skeletal fragments.
- 4590 Shale, some calcareous, trace limestone, silty.
- 4600 a.a.
- 4610 Shale and limestone, a.a., thin white calcareous siltstone interbeds.
- 4620 No sample.
- 4630 Shale a.a., with silty calcarenitic tan limestone interbeds.
- 4640 Shale, slightly calcareous, grey, trace calcerous siltstone.

- 4650 a.a.
- 4660 a.a., thin silty limestone and calcareous siltstone interbeds.
- 4670 Shale, a.a. with trace limestone, some maroon coloured shale interbeds.
- 4680 a.a., thin limestone and siltstone interbeds.
- 4690 a.a., common siltstone to fine sand stone interbeds, calcareous, tite.
- 4700 a.a.
- 4710 a.a., common brown to grey siltylimestone interbeds.,
- 4720 Shale with light grey limestone, scattered fossil fragments, brachiopods, crinoids.
- 4730 Shale with trace white calcareous siltstone.
- 4740 a.a., common silty limestone interbeds.
- 4750 a.a., rare ostracods.
- 4760 a.a., siltstone interbeds.
- 4770 a.a., common siltstone and fragmental silty limestone, grey to brown.

TOP UTAHN 4780

- 4780 Limestone, light brown, micrite, scattered skeletal fragments microcrystalline, pyritic.
- 4790 Limestone, a.a., trace pin point porosity.
- 4800 Limestone, brown, microcrystalline. to fine crystalline, tite.
- 4810 Limestone, tan to cream, microx, chalky, sparry, tite.
- 4820 Limestone, brown, microx, micrite.
- 4830 a.a., some tan chalky timestone, occasional crinoid and ostracod fragments.

TOP FORT SIMPSON 4842

- 4850 Shale, grey, fissile, micromic.
- 4900 Shale a.a., some dark grey interbeds.
- 4930 Shale, grey to dark grey, fissile, micromic.
- 5010 a.a. with scattered grey calcareous siltstone interbeds.
- 5030 Shale, grey, fissile, micromic.
- 5080 Shale, a.a., with thin hard calcareous siltstone and fine grained sandstone interbeds.
- 5130 Shale, grey, very fissile and splintery, some dark grey fissile shale interbeds.
- 5140 a.a., scattered thin hard calcareous siltstone interbeds.
- 5200 Shale, grey, fissile, micromic, occasional thin, hard, calcareous fine grained sandstone interbeds. The sandstones are light grey to green, angular, moderately well sorted, micaceous, argillaceous, tite.
- 5230 Shale, a.a., sandstone beds becoming more abundant.
- 5260 Shale, a.a., common sandstone, trace siltstone, occasional brown shale interbeds.
- 5270 Shale dark grey, very fissile, common sandstone interbeds a.a.
- 5280 Shale a.a., abundant sandstone.
- 5320 Shale a.a., sandstone becoming less abundant and finer grained, dark grey, argillaceous.
- 5350 Shale, grey, very fissile, scattered dark grey shale interbeds.
- 5360 a.a., scattered light grey siltstone, argillaceous, micaceous, slightly calcareous.
- 5390 a.a., common siltstone to very fine sandstone interbeds.
- 5400 Shale a.a., scattered grey argillaceous siltstone interbeds, slightly calcareous.
- 5480 Shale, a.a., scattered interbeds of sandstone, grey, very fine grained, argillaceous, very calcareous.

- 5490 Shale, light grey, soft, fissile, slightly calcareous, trace calcareous siltstone.
- 5500 Shale a.a., common dark grey interbeds.
- 5520 a.a., fine sandstone and siltstone interbeds.
- 5560 Shale, light grey, very slightly calcareous, fissile.
- 5600 Shale a.a., trace grey argillaceous siltstone.
- 5630 Shale, light grey, scattered very fissile grey to dark grey interbeds.
- 5670 a.a., trace grey, fine grained, argillaceous, calcareous sandstone interbeds.
- 5680 Shale, grey, very fissile, scattered dark grey interbeds.
- 5780 Shale a.a., trace grey, argillaceous, calcareous siltstone.
- 5790 Shale, grey, very fissile, occasionally calcareous, scattered dark grey interbeds.
- 5820 Shale a.a., trace calcareous siltstone (cavings?).
- 5880 Shale, grey, very fissile, micromic, occasional dark grey shale interbeds, occasional siltstone and very fine grained sandstone.
- 6400 Shale, a.a., Fort Simpson shales, caving badly. Very poor samples. Trace dark brown to black shale, brittle, bituminous, carbonaceous.
- 6410 Shales a.a.

TOP MUSKWA 6430⁺

- 6440 Mostly cavings. Some shale black fissile, very bituminous.

TOP SLAVE POINT 6446

- 6450 Limestone, tan to brown, micritic, chalky, scattered skeletal debris, crinoid and spicule fragments, scattered bituminous partings, some small secondary white calcite crystals, slightly argillaceous.

- 6470 Limestone, very dark brown, microcrystalline, micrite, dolomitic, argillaceous, scattered small white secondary calcite crystals, hard, dense, common bituminous partings, slightly silty in upper 30'.
- 6500 Limestone a.a., lithology very uniform, dense, hard drilling.
- 6560 Limestone, brown to dark brown, microcrystalline micrite, common small white secondary calcite crystals, scattered vaguely pelletal fragments, occasional coral? fragments, scattered bituminous partings, dense.
- 6610 Limestone, a.a., very rare fragment with small vugs lined with white calcite, euhedral quartz crystals and pyrobitumen.
- 6630 Limestone brown to dark brown, micritic, common fine pelletal calcarenites, bituminous partings, slightly dolomitic, trace silt and pyrite, common small secondary calcite crystals, trace pin point and intercrystalline porosity.
- 6640 Limestone, dark brown, microcrystalline micrite, scattered interbeds of brown pelletal calcarenite with sparry calcite matrix, common bituminous partings, rare pyrite, dense, hard, slightly argillaceous, occasional skeletal debris.
- 6670 Limestone, a.a., rare small vugs lined with clear euhedral calcite crystals.
- 6690 Limestone, brown to tan, cryptocrystalline, micrite, occasional pellets, occasional intercrystalline and pin point vugs, rough drilling, common dark brown micrite interbeds with bituminous partings.
- 6700 Limestone, brown to tan, cryptocrystalline micrite, dense, some pellets, very rare pin point vugs, trace fine crystalline dolomitic limestone with poor intercrystalline porosity, scattered dark brown micrite interbeds.
- 6710 Limestone, light tan microcrystalline micrite, occasional vague pellets, scattered white secondary calcite crystals, dense.
- 6740 Limestone, light brown, microcrystalline micrite, scattered pelletal interbeds, trace pyrite, scattered bituminous partings.

- 6750 Limestone a.a., scattered dark brown micrite interbeds.
- 6770 Limestone, brown fine pelletal calcarenite, scattered sparry calcite, poor interpelletal porosity partially filled with pyrobitumen and white calcite crystals, common tan to brown micrite interbeds.

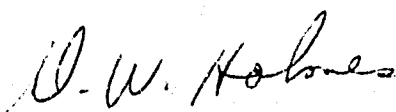
TOP MUSKEG (?) 6785

- 6790 Mostly limestone, a.a., scattered light tan to cream cryptocrystalline micrite, dense.
- 6800 Limestone, tan to cream microcrystalline micrite, trace small clear secondary crystals, dense, barren.
- 6830 a.a., trace pyrite, some brown micrite interbeds, trace fine vuggy porosity.
- 6880 Limestone a.a., scattered small secondary calcite crystals.

TOP KEG RIVER 6881 (Fast drilling break)

- 6890 Lost circulation. No samples.
- 6895 Drilling with partial lost circulation. All cavings of shale and limestone a.a.
- 6900 a.a.
- 6905 Mostly cavings. Very rare coarse crystalline dolomite fragments, euhedral rhombs, good intercrystalline porosity, trace brown microcrystalline calcareous dolomite.
- 6908 Mostly cavings. Occasional very coarse crystalline white dolomite fragments. One fragment is grey and white, medium crystalline, with fair porosity partly filled with pyrobitumen. Probably good porosity in this interval.

TOTAL DEPTH 6908



Donald W. Holmes P.Geol.
Geologic Consultant

SECTION III - Engineering Summary

DRILL STEM TESTS - nil

CASING RECORD

9 5/8" K-55 36# surface casing, set at 1003', cemented with 1000 sacks cement + 2% CaCl_2 , good cement returns.

BIT RECORD

<u>Bit No.</u>	<u>Size</u>	<u>Type</u>	<u>Footage</u>	<u>Hours on Bottom</u>
1A	13 3/4	T-3A	574	20
2A	13 3/4	T-3A	429	16 3/4
1	8 3/4	XIG	482	13 1/4
2	8 3/4	XIG	480	9 1/4
3	8 3/4	XIG	731	20 1/4
4	8 3/4	XIG	554	18 3/4
5	8 3/4	STIAG	440	17 1/4
6	8 3/4	STIAG	331	17 1/4
7	8 3/4	STIAG	288	17 1/4
8	8 3/4	XIG	329	13
9	8 3/4	XIG	297	16 1/2
10	8 3/4	STIAG	203	14 3/4
11	8 3/4	XIG	226	15 1/2
12	8 3/4	XIG	258	13 1/4
13	8 3/4	STIAG	351	14 1/4
14	8 3/4	XIG	162	10
15	8 3/4	XIG	211	11 1/4
16	8 3/4	SSIG	101	8
17	8 3/4	XDV	99	9 1/4
18	8 3/4	XDV	71	5 1/2
19	8 3/4	FHG	40	3 3/4
20	8 3/4	SSIG	231	19 1/4
21	8 3/4	SSIG	20	1 3/4

MUD REPORT

Type - Polymerized Bentonite

Amount	3,600 lbs. Mil-Bar
	10,000 lbs. Milgel
	98,150 lbs. super-col
	1,240 lbs. mil-fiber
	1,400 lbs. CMC
	1,100 lbs. uni-col
	1,000 lbs. bicarb of soda
	3,450 lbs. caustic soda
	400 lbs. lime
	1,300 lbs. soda ash
	2,040 lbs. kwik-seal
	3,000 lbs. IPI-WD

400 bags sawdust
5 gal. LD-7

DEVIATION RECORD

<u>Footage</u>	<u>Degree</u>
74	1/2
165	1
223	1/2
309	3/4
394	0
482	1/2
574	1/4
665	1
757	1
848	1
1003	2
1086	1 1/4
1147	1 1/2
1268	1 1/2
1356	1
1447	3/4
1576	1/2
1822	3/4
1975	1/2
2252	1/2
2706	1/2
3206	3/4
3700	3/4
4014	1/4
4302	1/4
4631	1
4938	3/4
5064	2
5128	2 1/2
5193	2
5365	1 1/2
5623	1
5974	5
6076	4
6136	3 3/4
6346	1 1/2
6447	1
6546	1
6618	1 1/2
6900	1

ABANDONMENT PLUGS

- Plug No. 1 6908' - 6708' Keg River Formation, used 90 sacks of cement, no feel.
- Plug No. 2 6485' - 6385' Slave Point Formation, used 100 sacks of cement plus 2% CaCl_2 . Felt at 6365'
- Plug No. 3 1053' - 953' Banff Formation, used 100 sacks of cement + 3% CaCl_2 . Felt at 950'.

LOST CIRCULATION ZONES

Circulation was lost from 6888' to 6892'. Pumped over from separate mixing tank 300 barrels of lost circulation material consisting of caustic, gel, sawdust, kwik-seal and fiber.

BLOWOUTS - nil

SECTION IV - logs

Schlumberger
Dual Induction - Laterolog

March 25, 1973 999' - 6899'

Schlumberger
Borehole Compensated Sonic Log

March 25, 1973 999' - 6903'

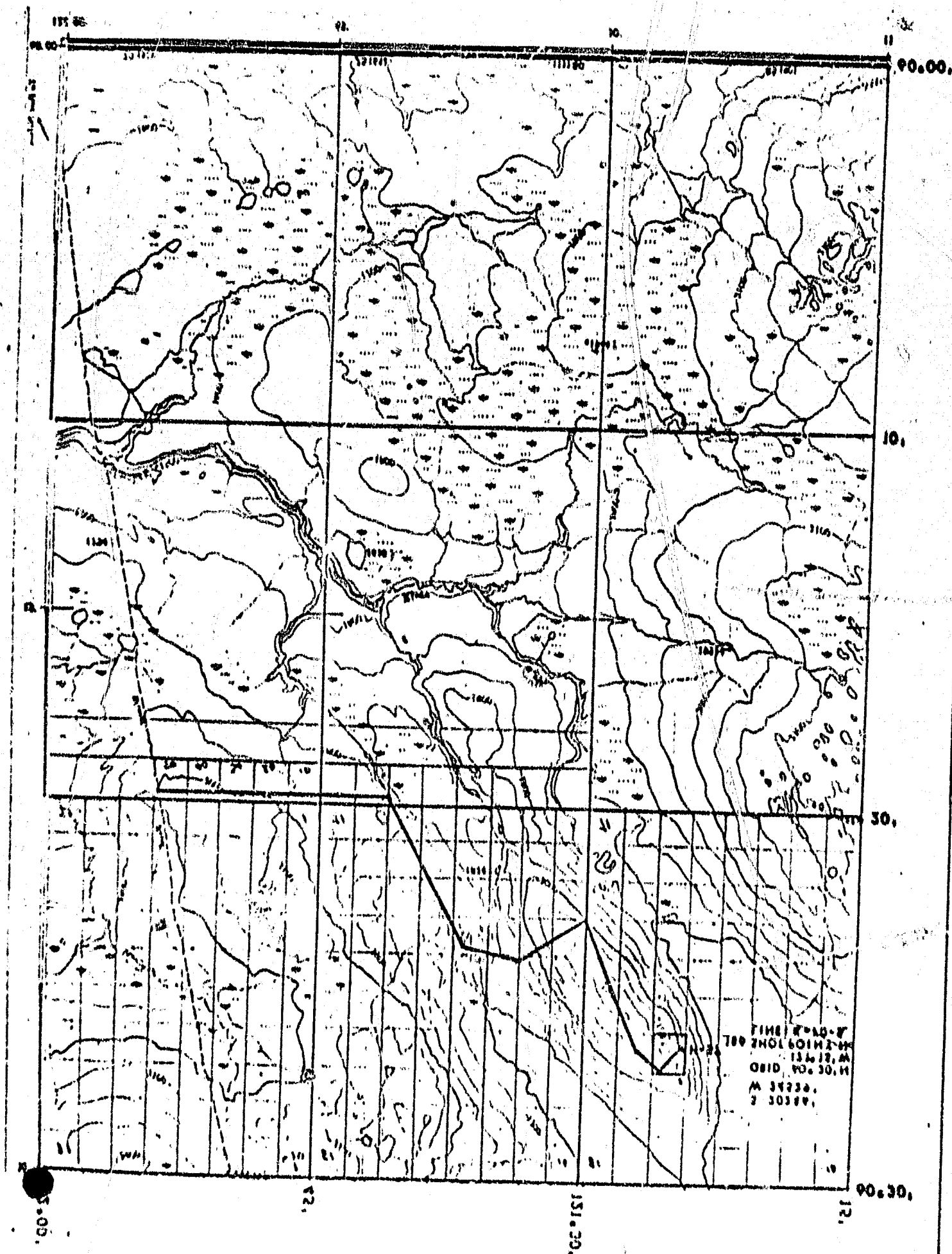


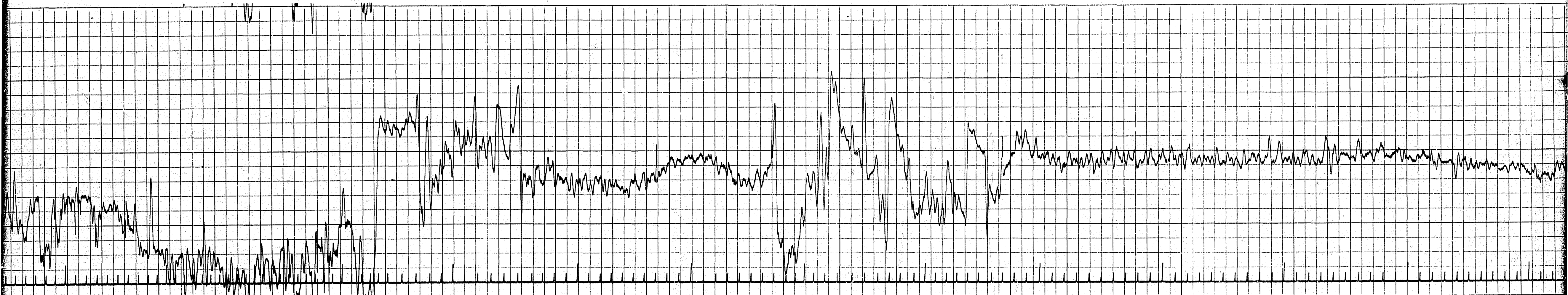
М 34230, 1010 М.Е. corner of 819
CO-ORD: 2 30389,
SHOT POINT NO 189 of TIME K-20-2
151.12, M. LONG
GRID: 90.30, M. LAT
H-23
ATKINSON - HETWEL 01.01. - 1801 GK

ACCESS ROUTE 10:
АВТОКОЛ 53.2 WIGE

SCALE 1:152/000
M.M.

АТКИНСОН БЕЛВОРЕНСКИЙ ГЛД





1500

1600

1700

1800

1900

2000

2100

2200

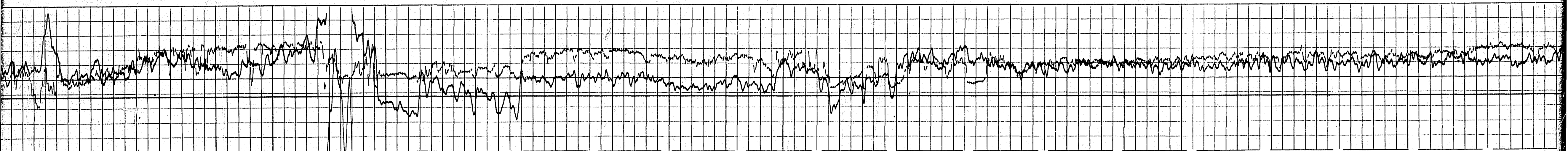
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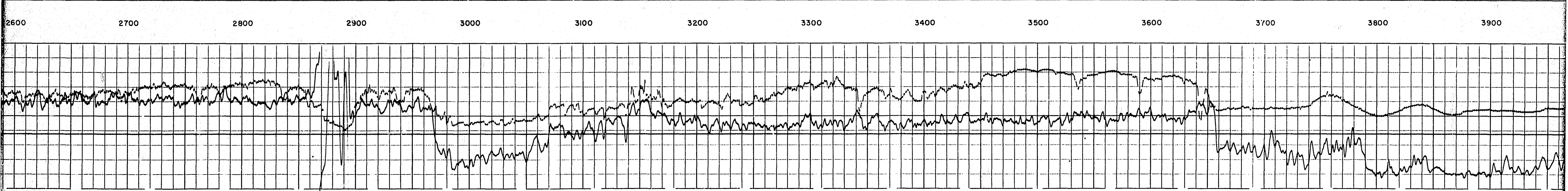
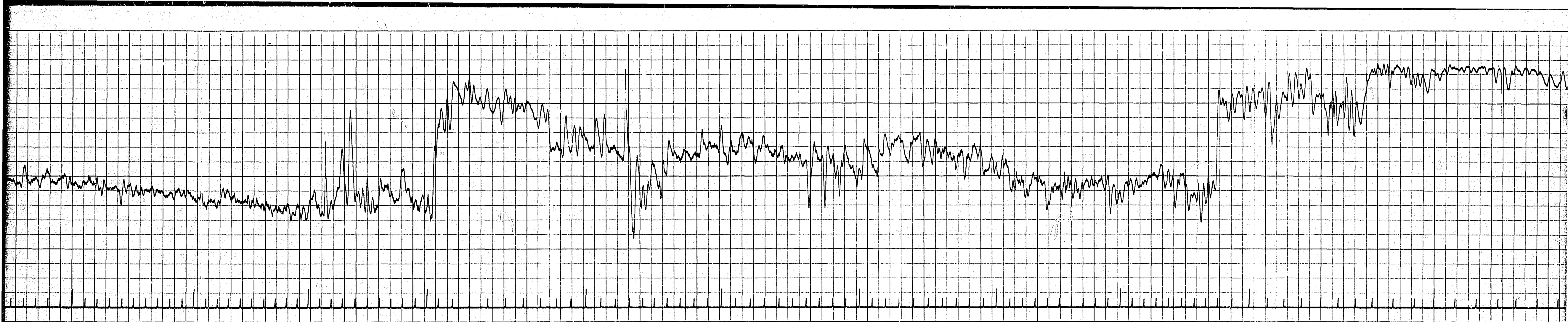
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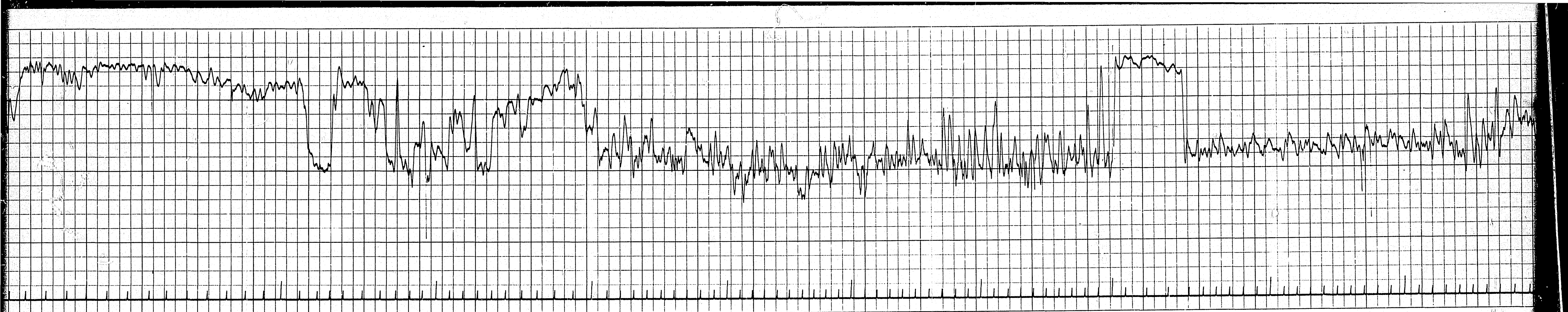
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2600

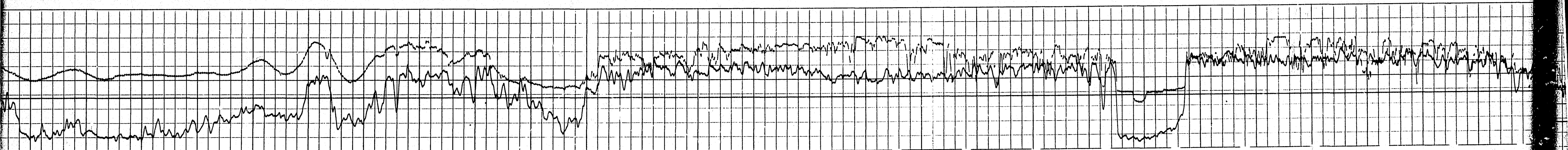
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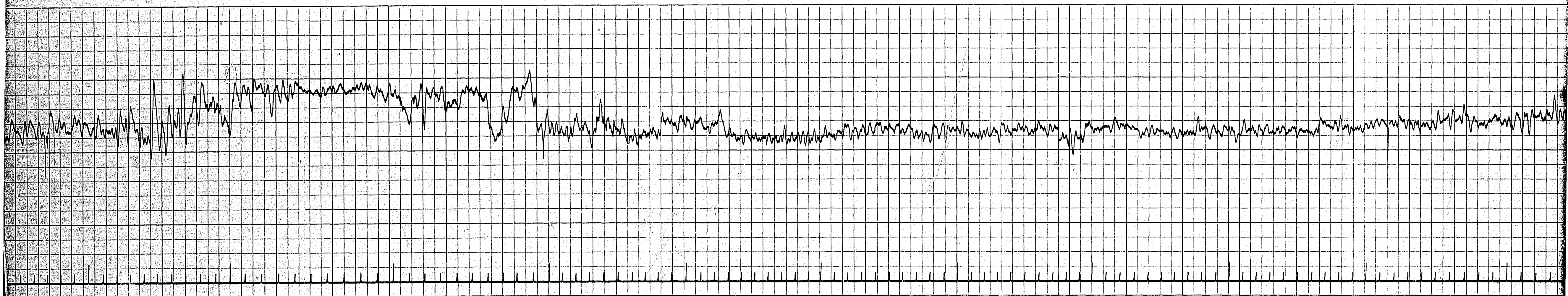






3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100





5000

5100

5200

5300

5400

5500

5600

5700

5800

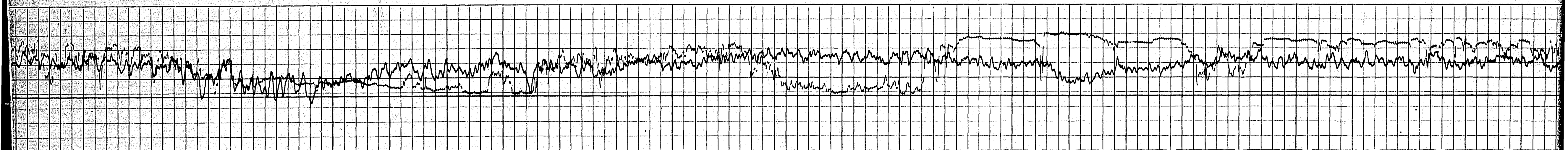
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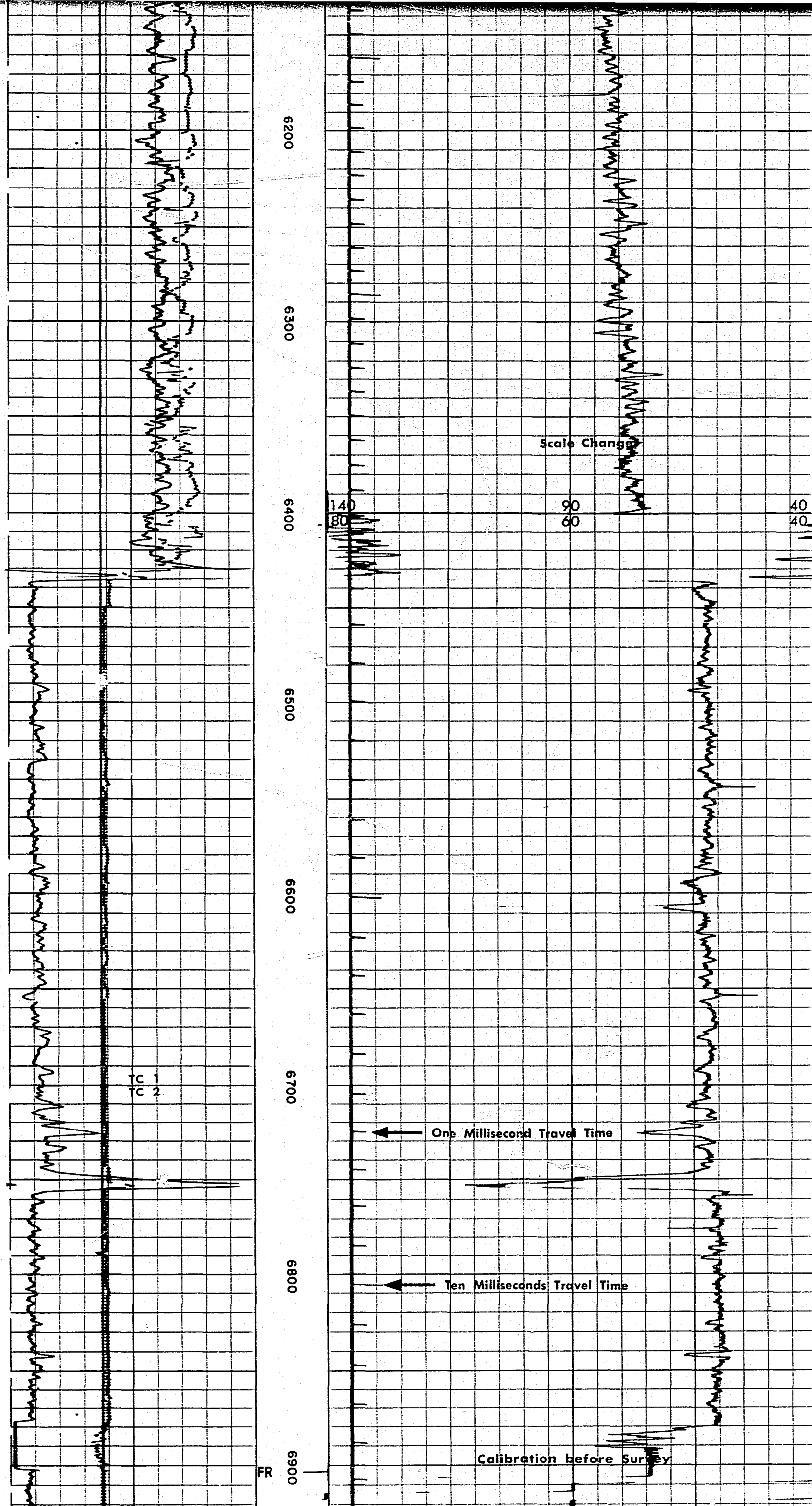
6000

6100

6200

6300





6 7 8 9 10 11 12 13 14

CALIPER
hole diameter in inches

Sens. _____ T.C. _____
Zero _____ div. to left

Speed in FPM

GAMMA RAY API UNITS	DEPTHS	SONIC INTERVAL TRANSIT TIME microseconds per foot
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DETAIL LOG
5" = 100'

GAMMA RAY API UNITS	DEPTHS	SONIC INTERVAL TRANSIT TIME microseconds per foot
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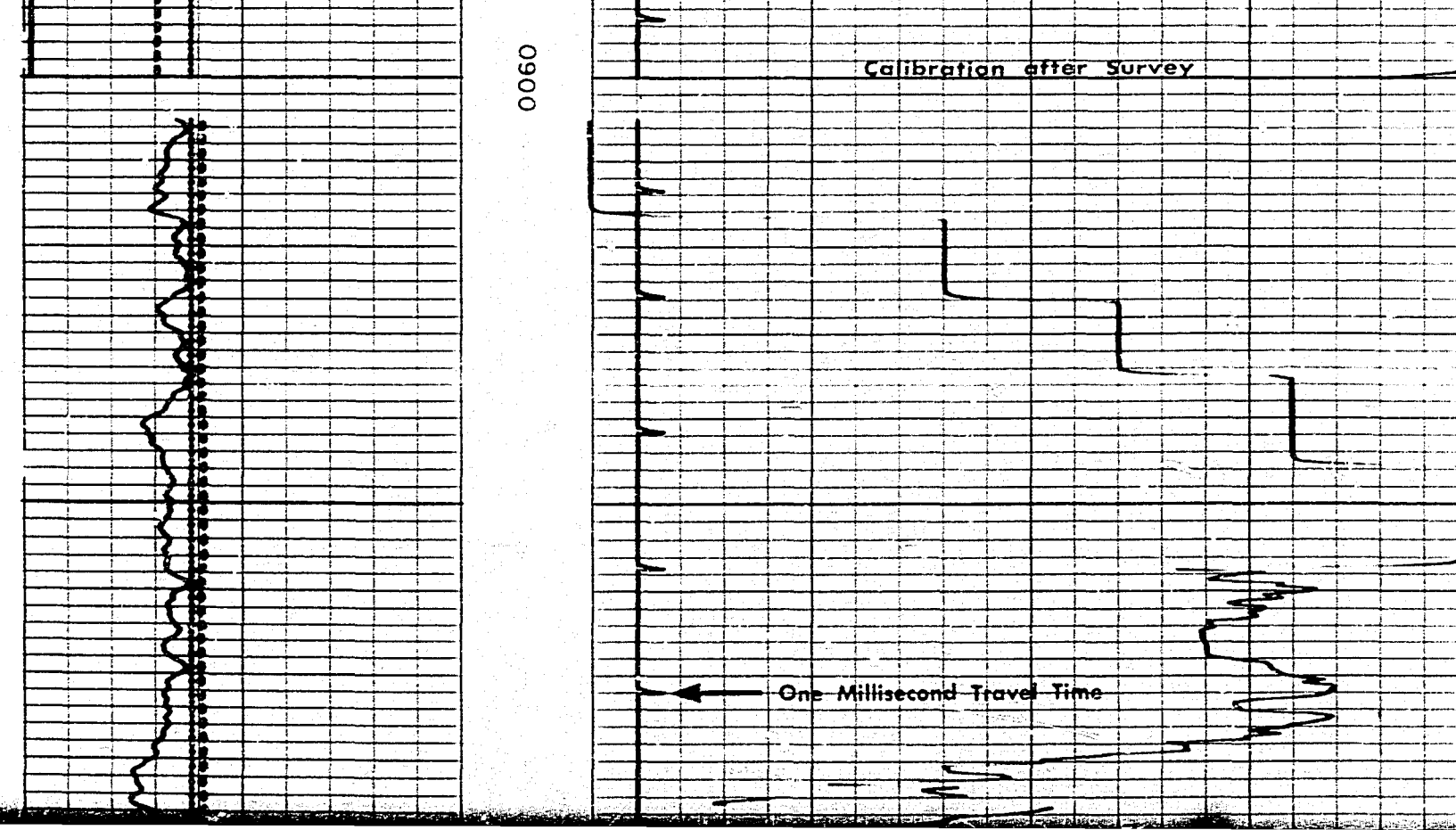
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CALIPER
hole diameter in inches

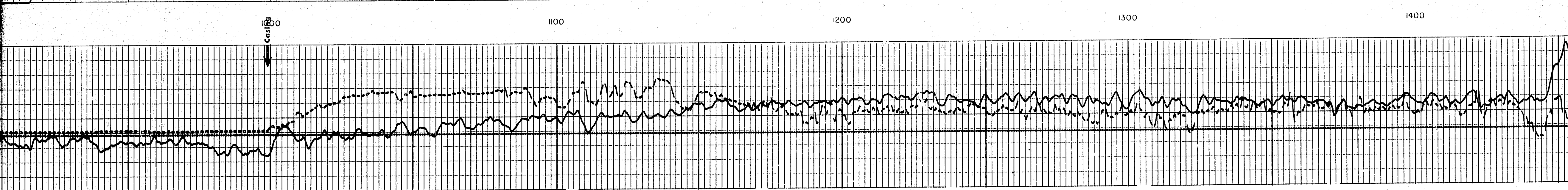
Sens. _____ T.C. _____
Zero _____ div. to left

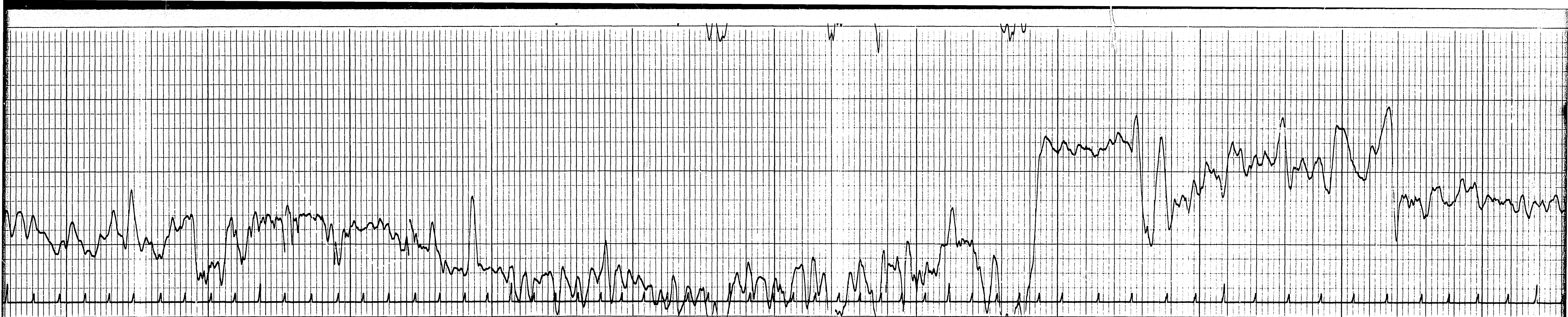
Speed in FPM

GAMMA RAY API UNITS	DEPTHS	SONIC INTERVAL TRANSIT TIME microseconds per foot
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6d





1400

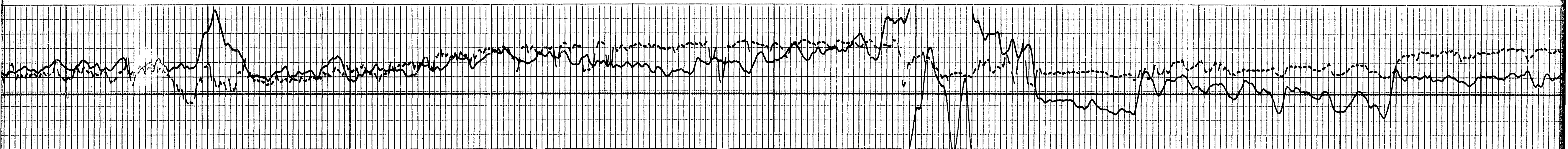
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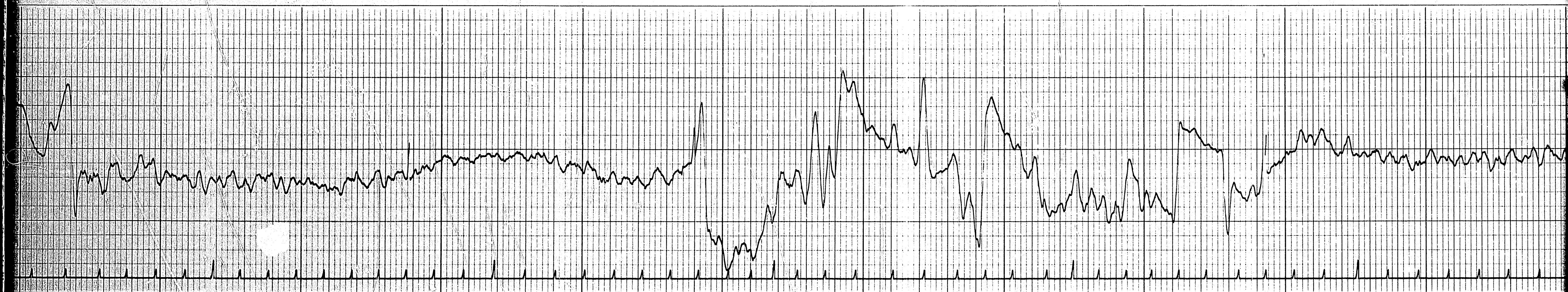
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1700

1800

1900





1900

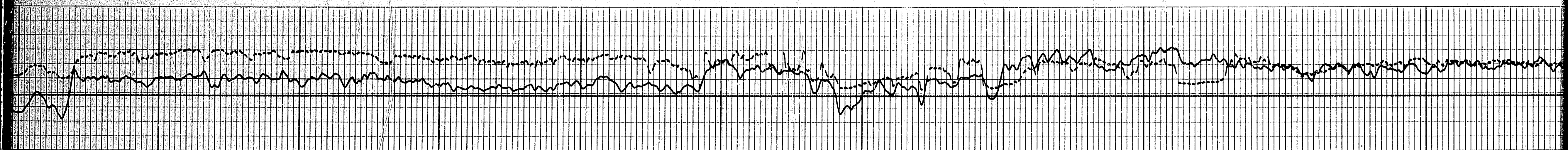
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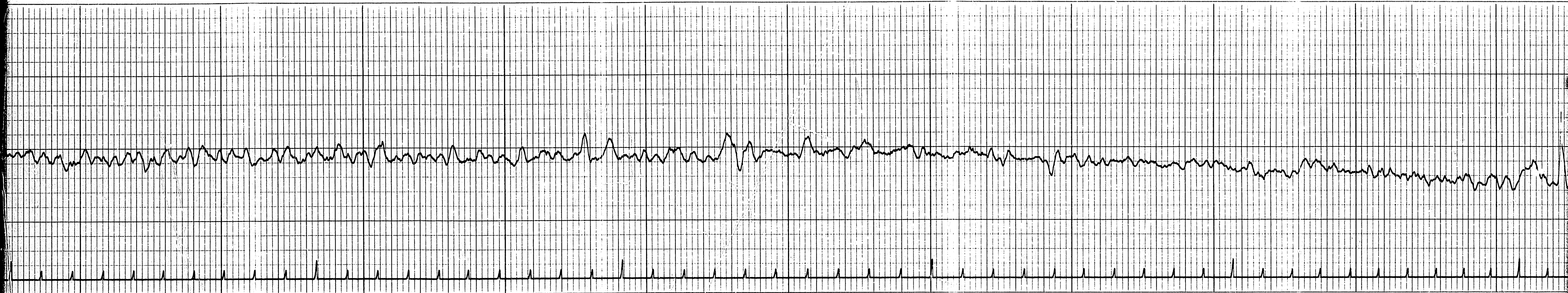
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2200

2300

2400





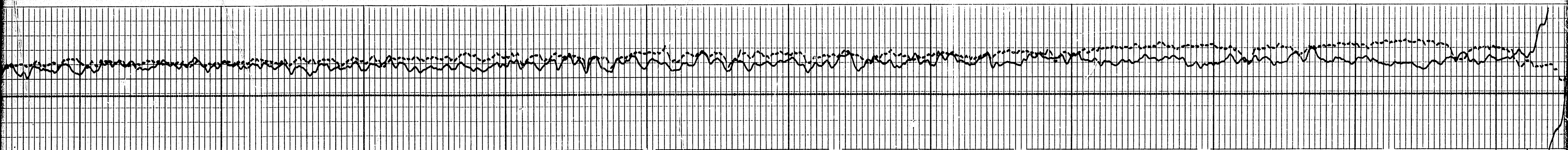
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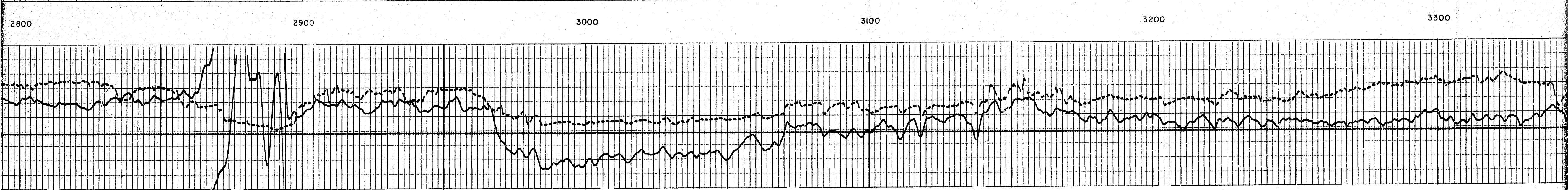
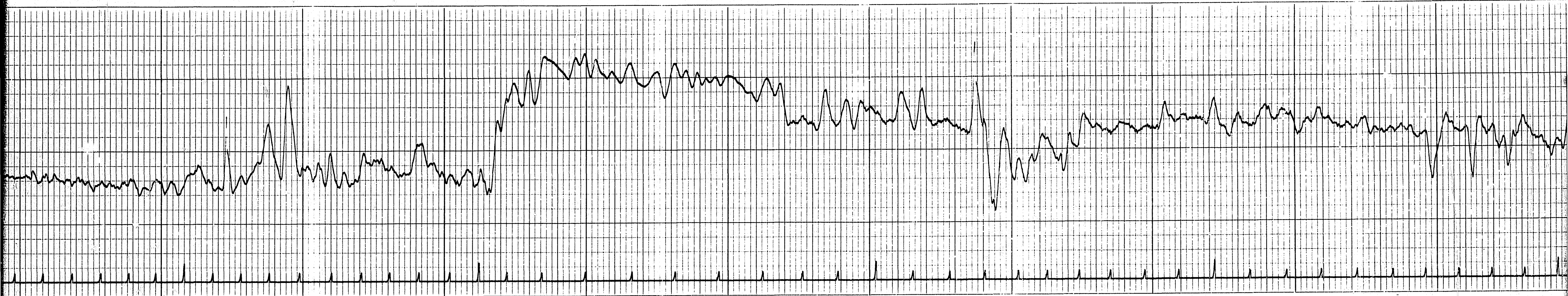
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2600

2700

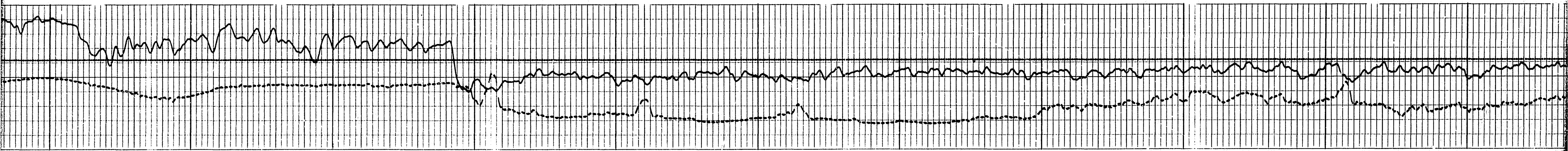
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2800 2900 3000 3100 3200 3300

121



3800

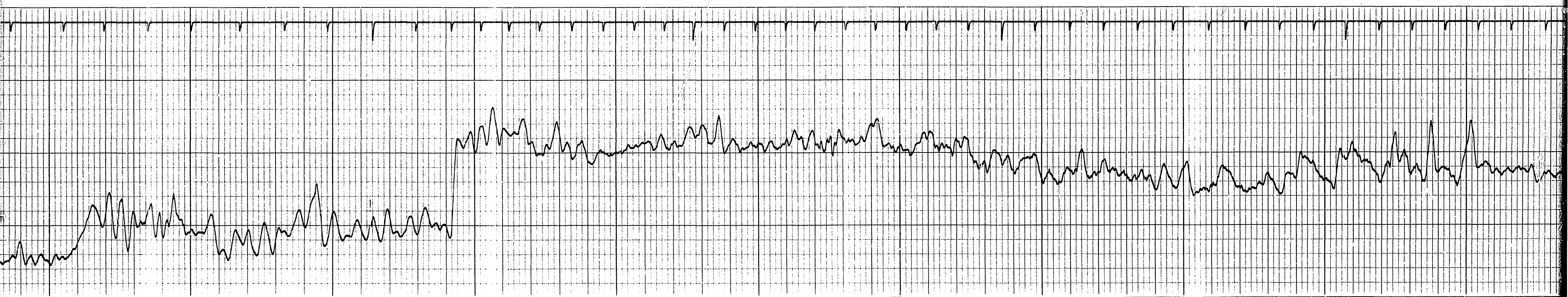
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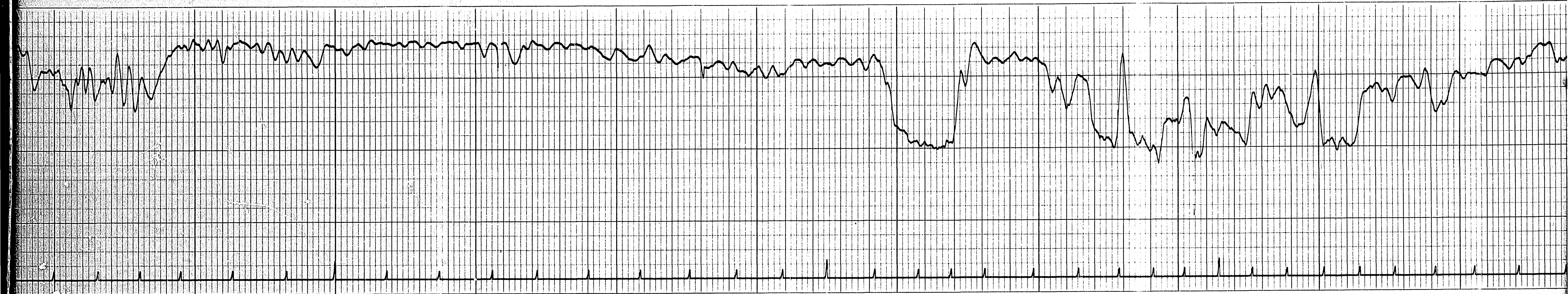
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3500

3400

3300





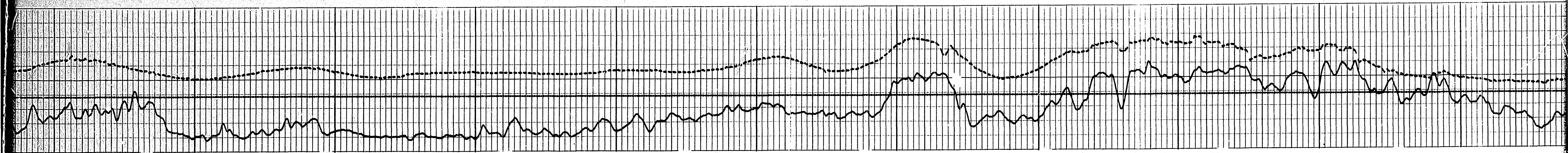
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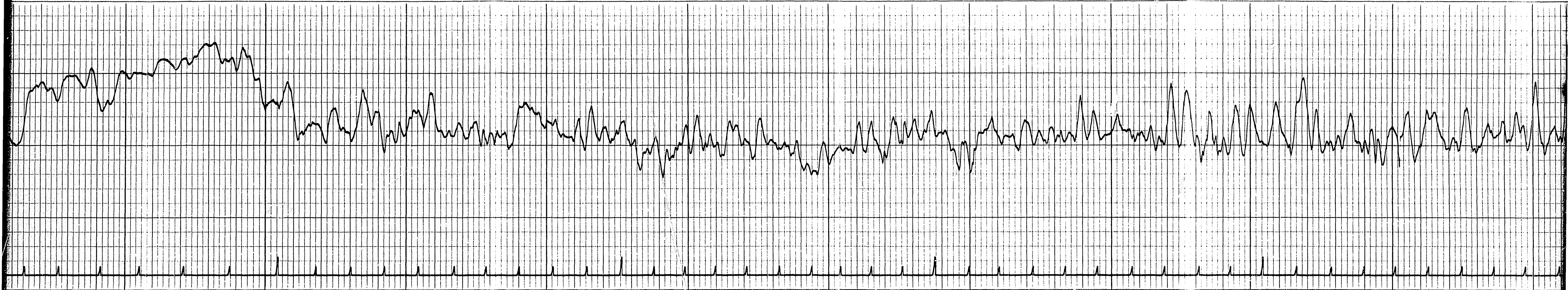
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4000

4100

4200





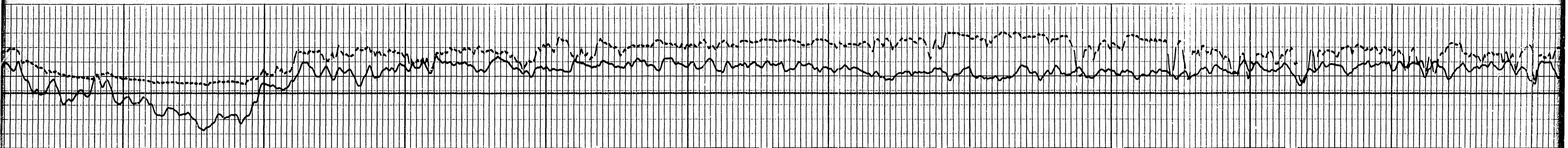
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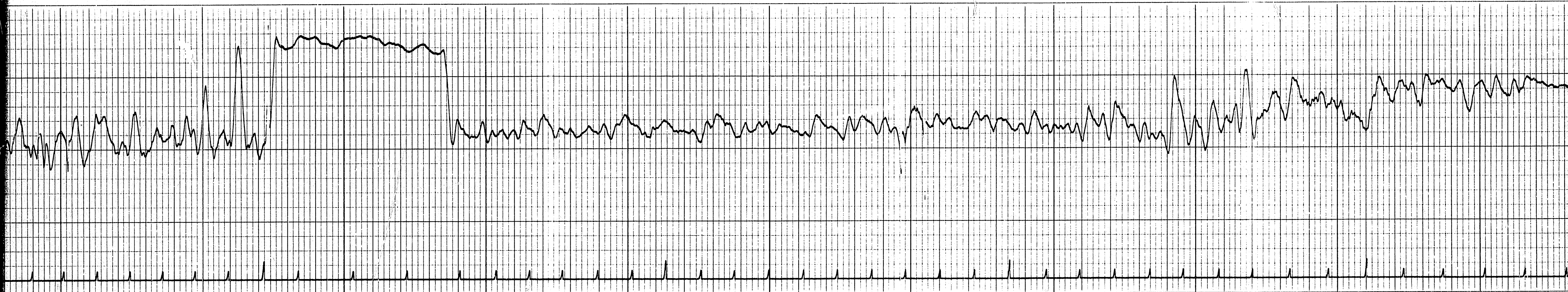
4400

4500

4600

4700





4700

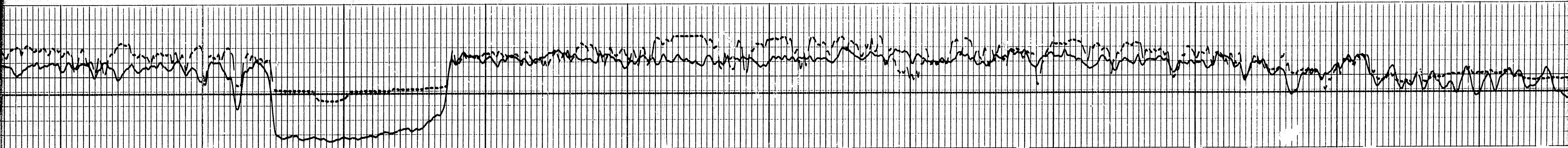
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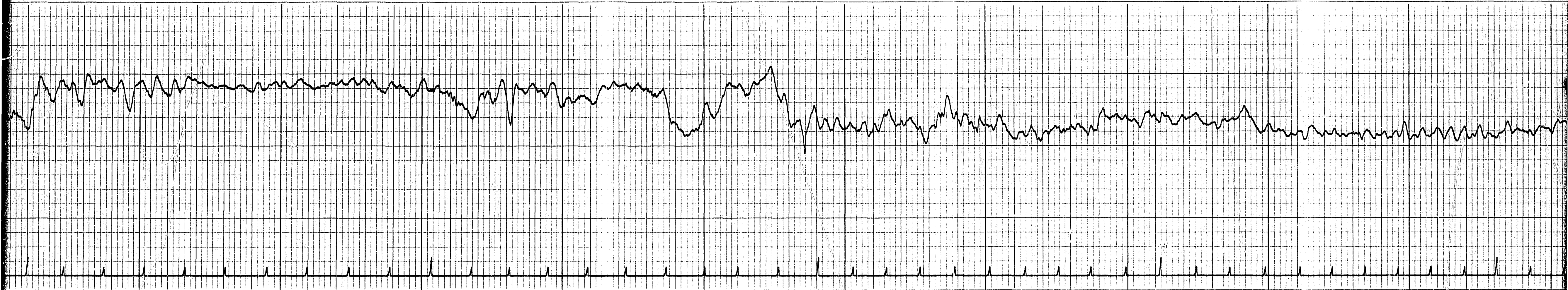
4900

5000

5100

5200





5200

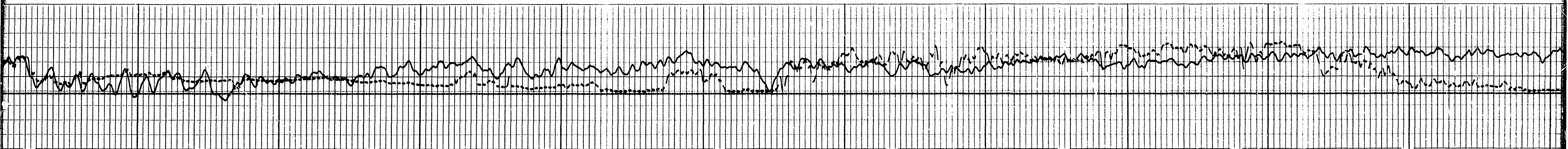
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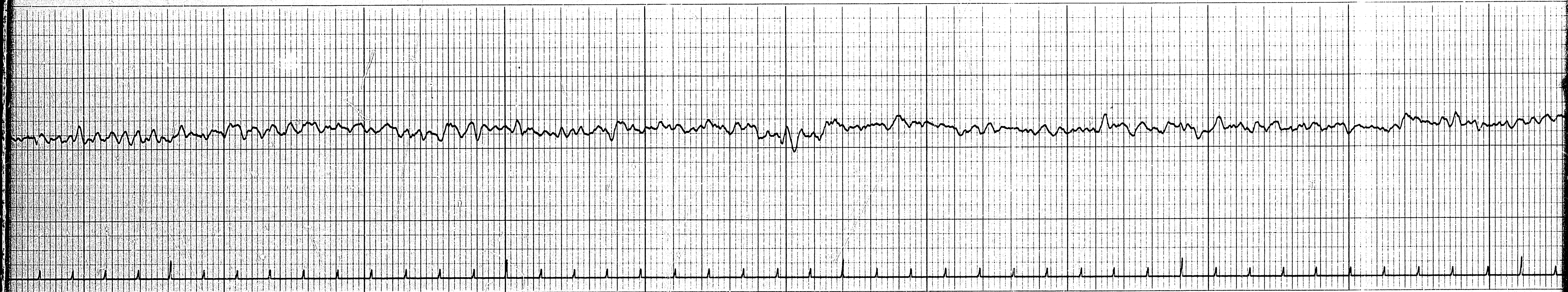
5400

5500

5600

5700





5700

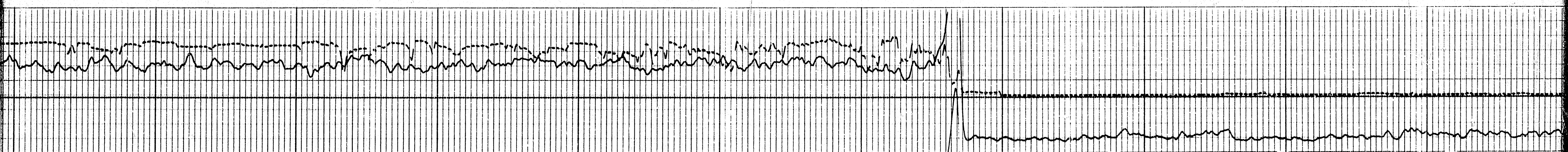
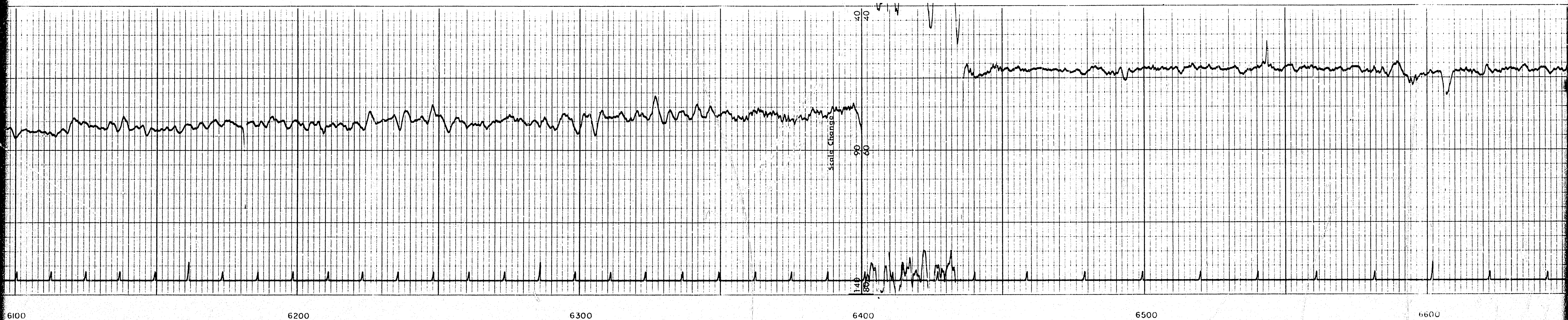
5800

5900

6000

6100







6600

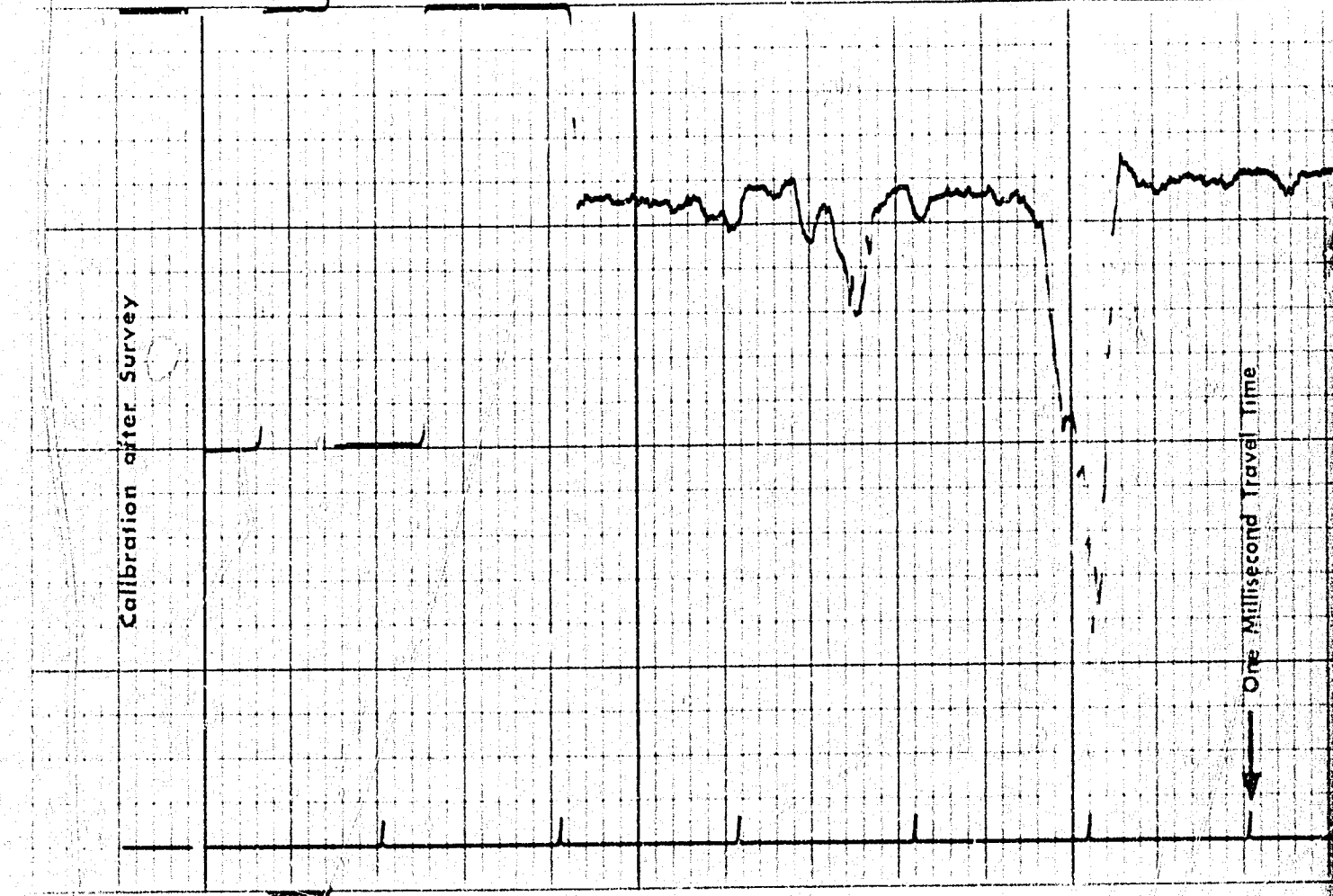
6700

6800

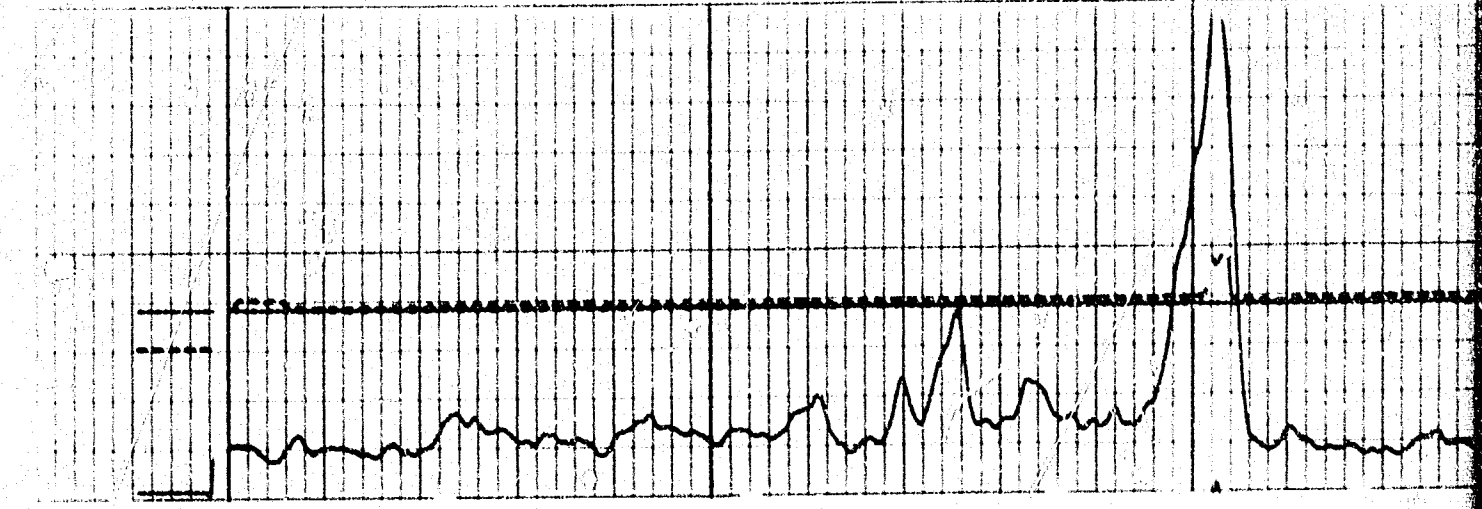
6900



REPEAT SECTION



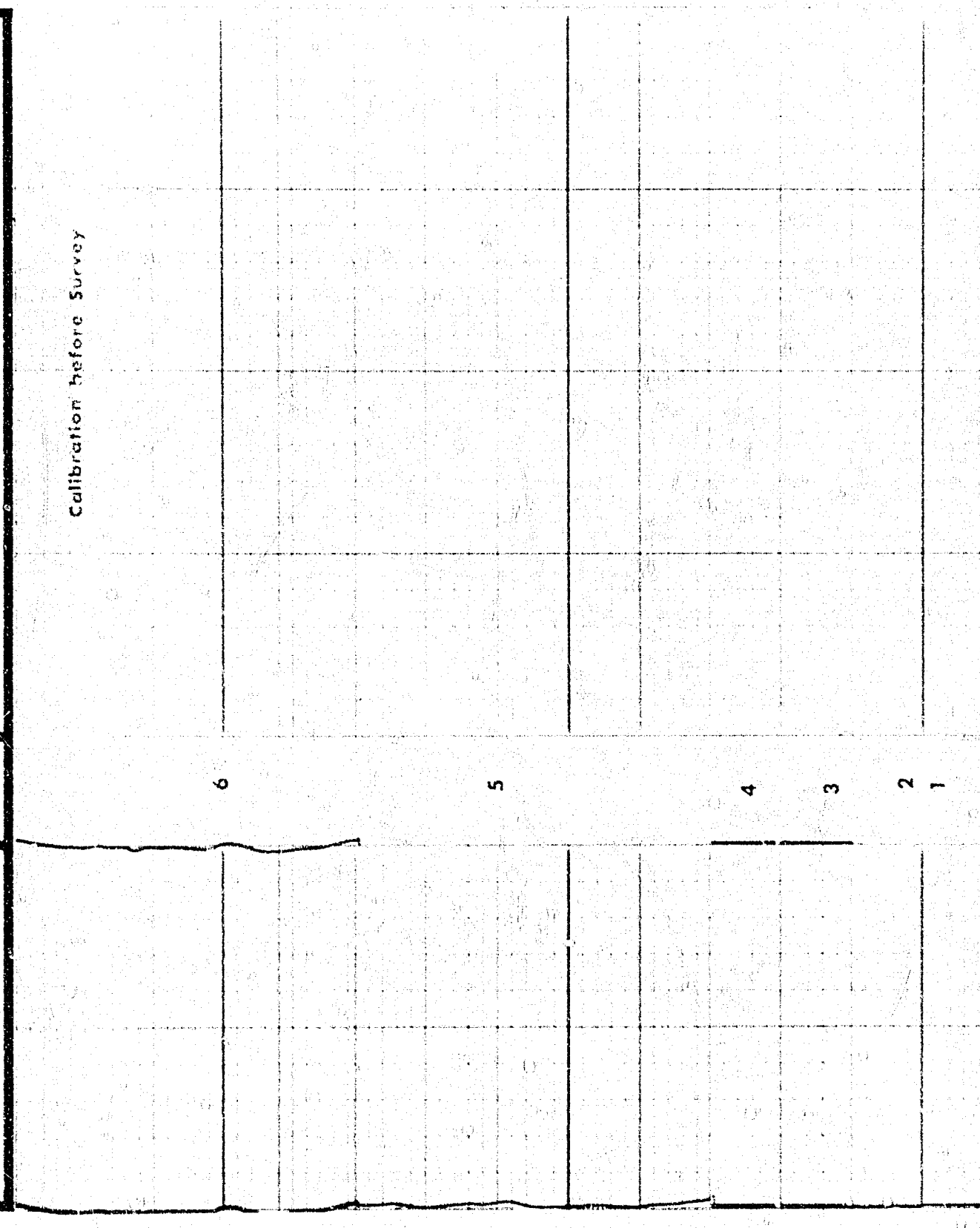
6700





CALIPER hole diameter in inches 6 7 8 9 10 11 12 13 14 Sens. 100 T.C. 1 Zero 50 div. to left 100 Speed in FPM	20 40 60 80 100
--	-----------------------------

GAMMA RAY API UNITS	SONIC INTERVAL TRANSIT TIME microseconds per foot
------------------------	---



COMPANY	WILSON & SONS LTD.
WELL	ATKINSON HILLER COP. TIGHT LIME H-40
FIELD	WILSON
PROVINCE	ALBERTA TERRITORIES

Schlumberger

Schlumberger

DUAL INDUCTION-LATEROLOG

SCHLUMBERGER OF CANADA Calgary, Alberta

COMPANY ATKINSON PETROLEUMS LTD.

WELL ATKINSON HELMET CSP TROUT LAKE

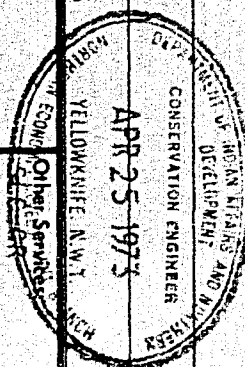
FIELD WILDCAT

PROVINCE NORTHWEST TERRITORIES

LOCATION 60° 26' 21" N LAT
121° 24' 46" W LONG

Permanent Datum 11.1 Elev. 2092.0
Log Measured From 17.9 ft. Above Perm. Datum

ELEV. KB. 2109.9
GL. 2092.0
CBF



Date 25 MAR 73

Run No. ONE

Full Reading 6899

Last Reading 999

Feet Measured 5900

Depth Reached 6905

Bottom Driller 6908

Csg. SOC 999

Csg. Driller 1003

Mud Nature GEL

Dens. Visc. 8.8 160

Mud pH 9.5

Water Loss 9.4

Res. 2.04 @ 69 of

Rinf. 1.72 @ 69 of

Rinf. @ BHT 0.77 @ 156 of

Rinf. @ 0.77 @ of

Source of Sample FILL LINE

Bit Size 8 3/4"

Op. Rig Time 2.5 HRS

Truck No. 7668 DC

Recorded By BURNS

Witness HOLMES & MACKENZIE

REMARKS

Drilling Stopped 2030 24th : Circulation Stopped 2130 / 25th : Tool on Bottom 0130 / 26th : 11247 B.H.T. 156 of

Stand Off = 1.5 Inches
Cartridge No. R 129
Panel No. CB 244
Sonde No. DB 43
MMP No. B 348
SBR 4
B 39

LOG NOT TAPED
SPURIOUS NOISE SPIKES ON INDUCTION AND LATEROLOG CURVES
ORIGINATE IN THE PANEL. THEY ARE INDEPENDENT OF THE
FORMATION READING.

Check one, filling in blanks where applicable:

☐ Surface determined sonde errors used for ILM and ILD.

☐ ILM and ILD sonde errors corrected for inch borehole signal at Rm =

☒ ILM and ILD zeros set in hole at depth of feet.

S.E. Setting Surface ☐
Downhole ☒ Depth 6600 Ft.

SPONTANEOUS-POTENTIAL
millivolts

DEPTHS

RESISTIVITY
ohms m/m

LATEROLOG-8

1 10 100 1000

MEDIUM INDUCTION LOG

1 10 100 1000

DEEP INDUCTION LOG

1 10 100 1000

Calibration after Survey

1080

1100

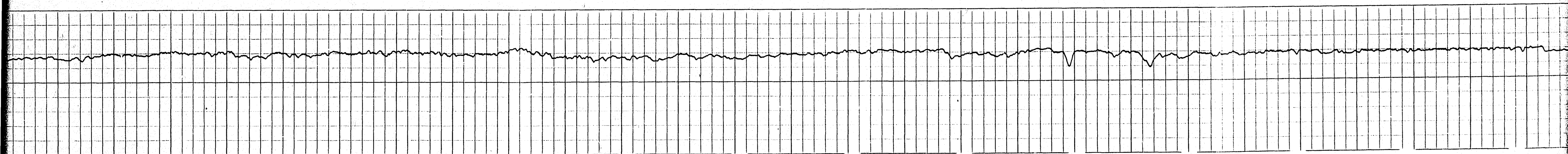
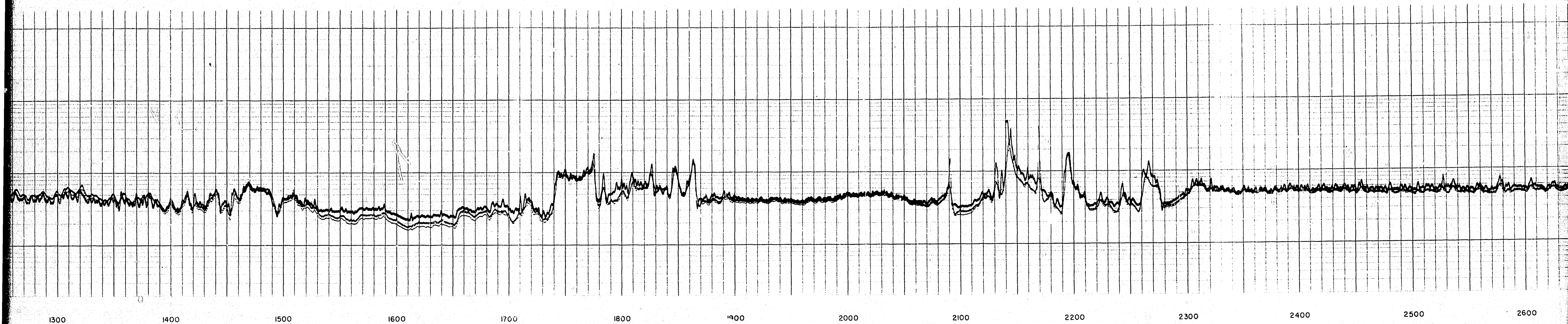
1200

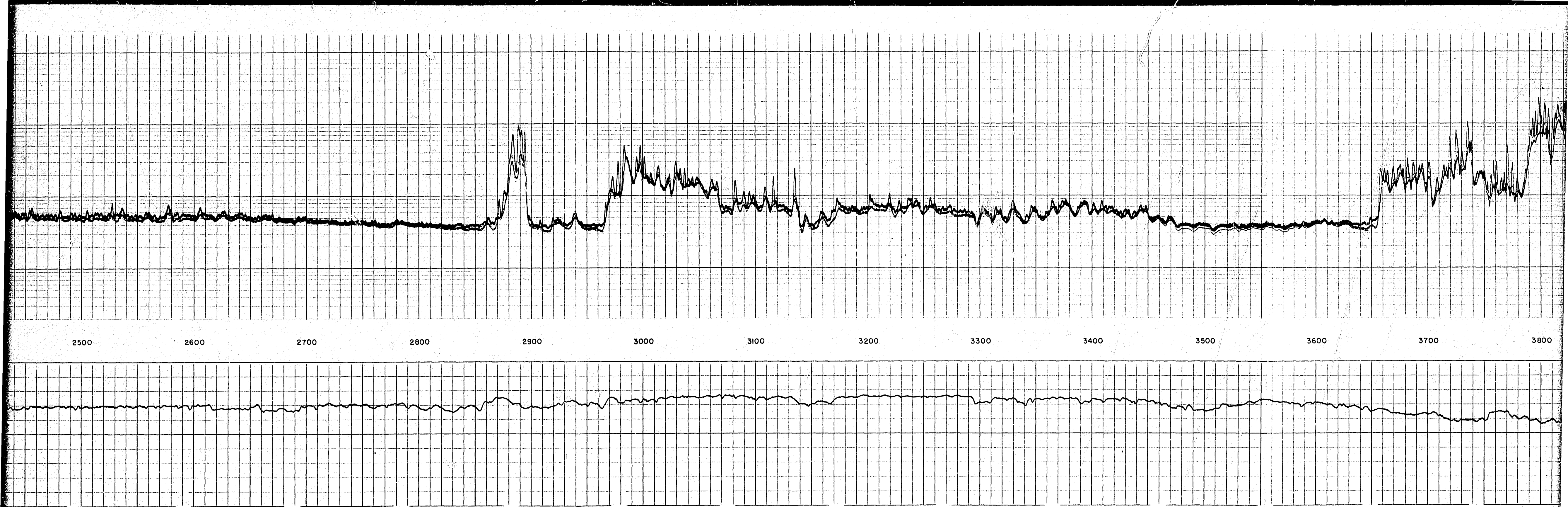
1300

1400

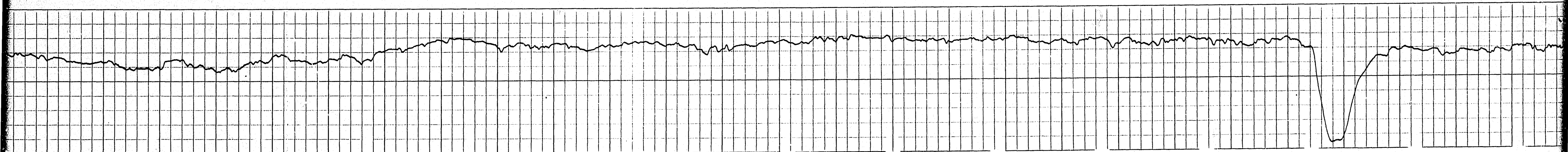
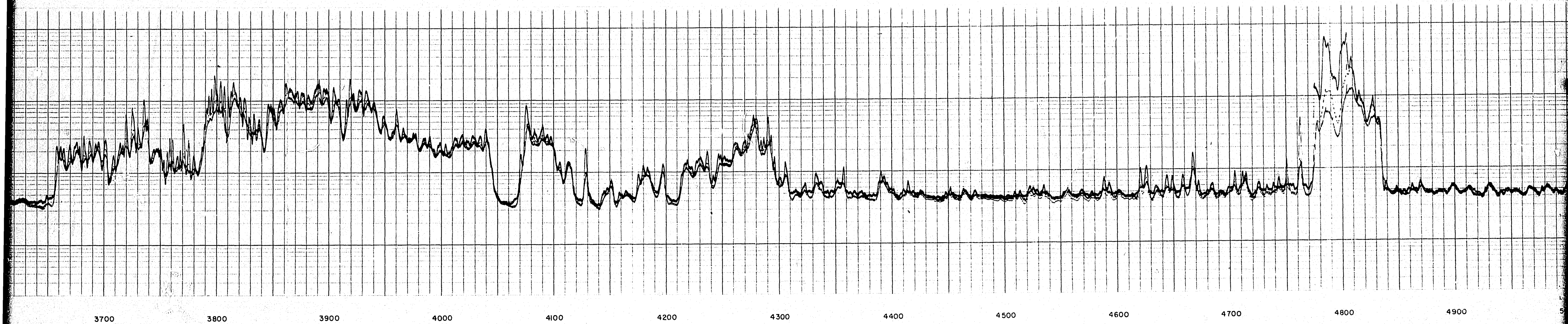
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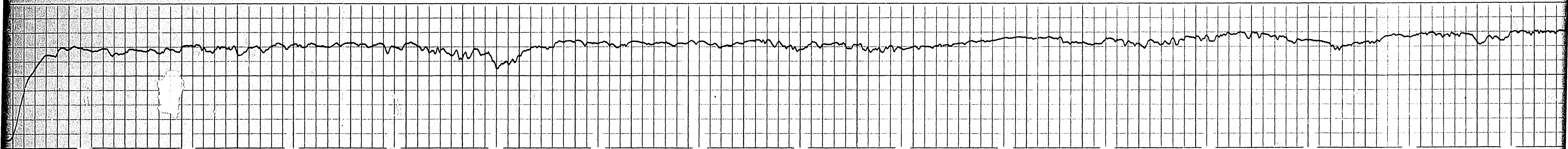
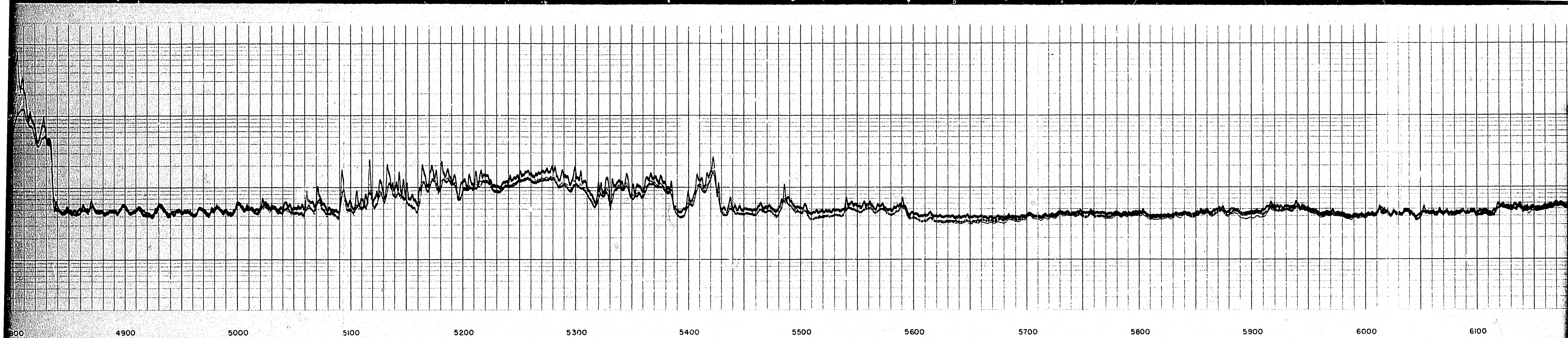
Speed in FPM

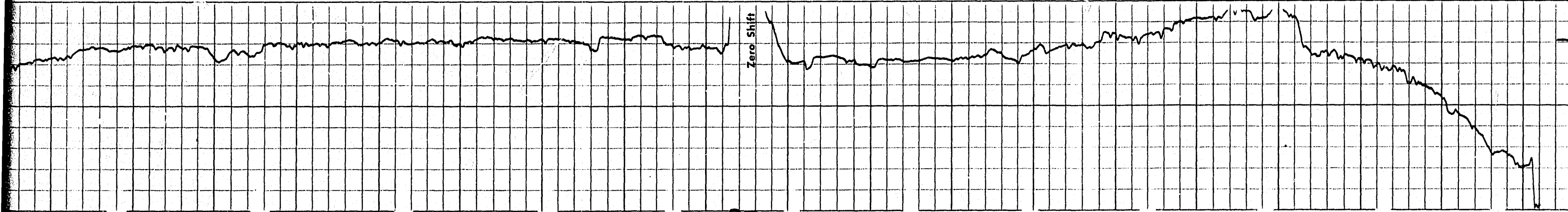
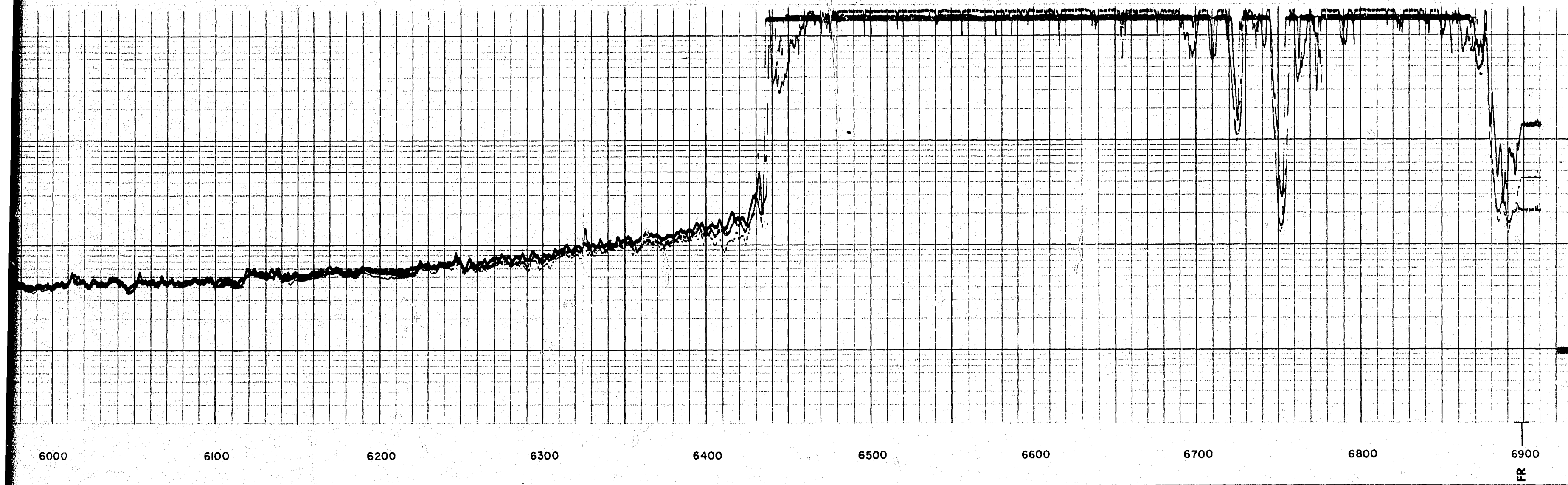




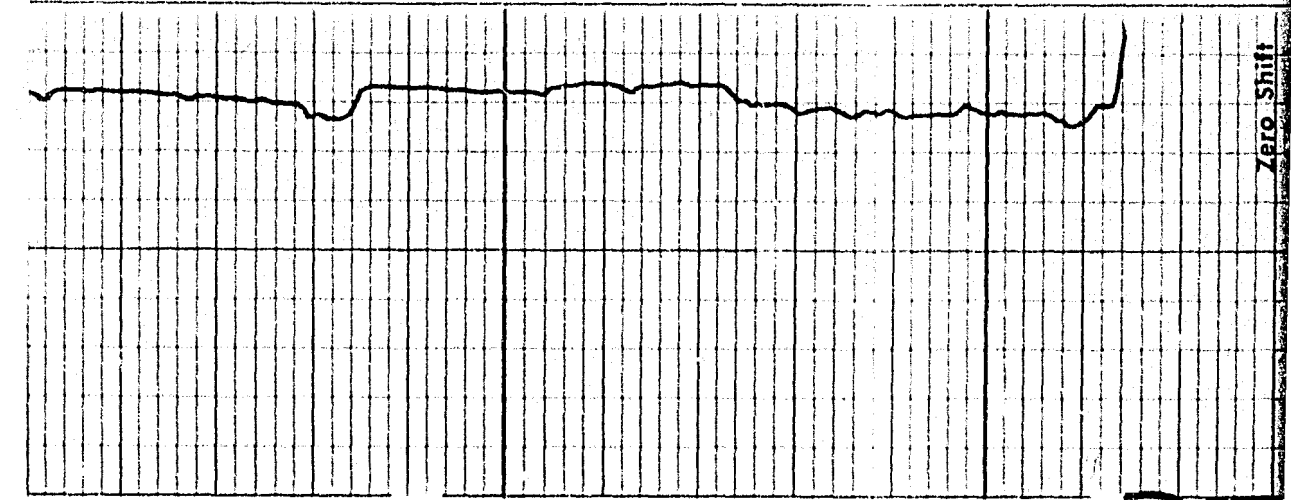
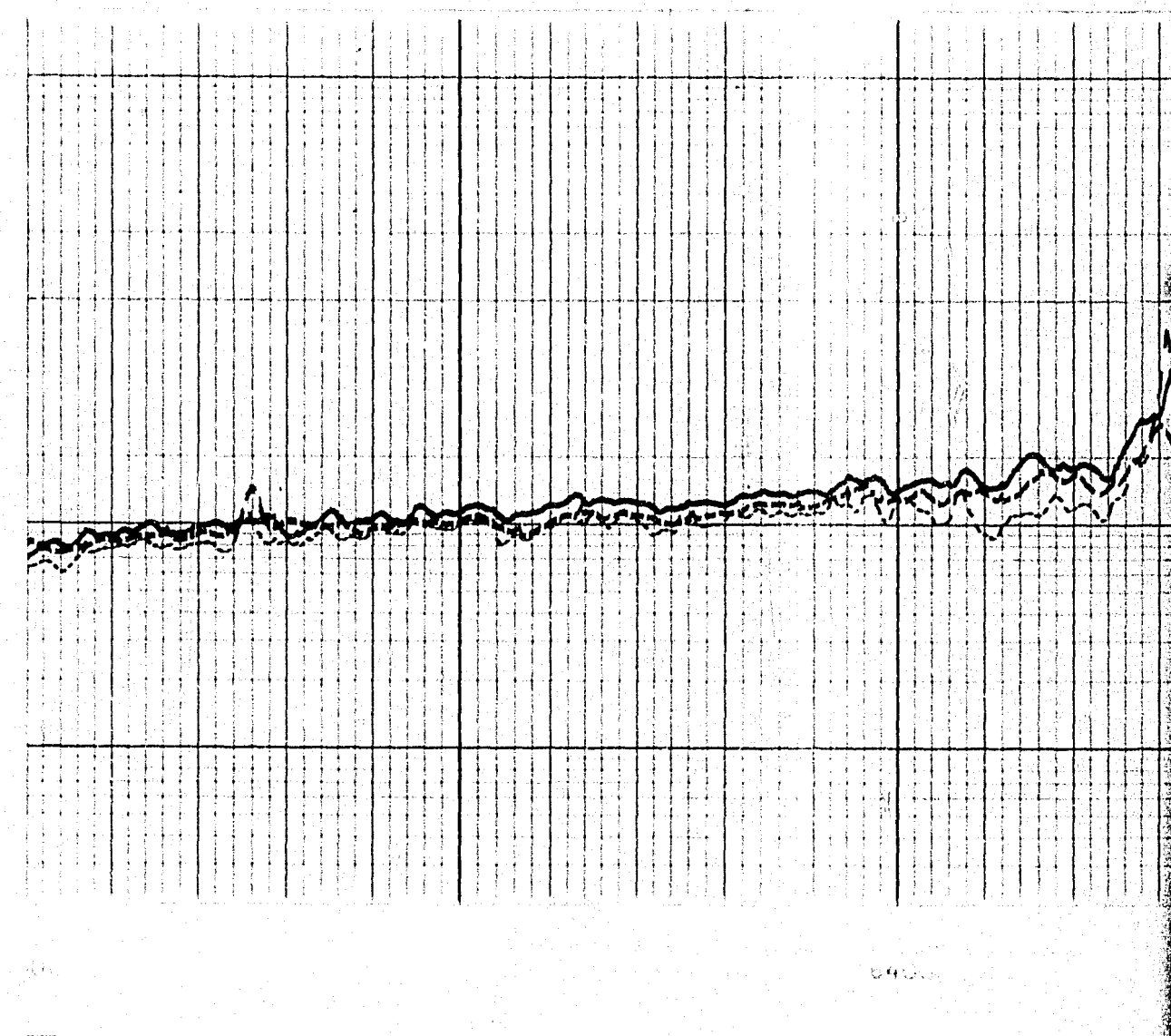
2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800

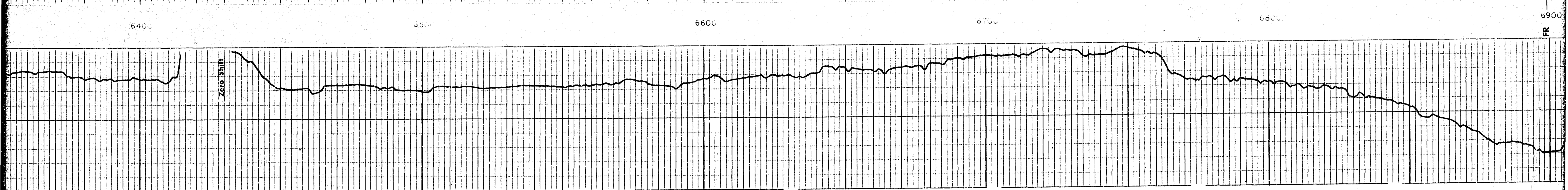
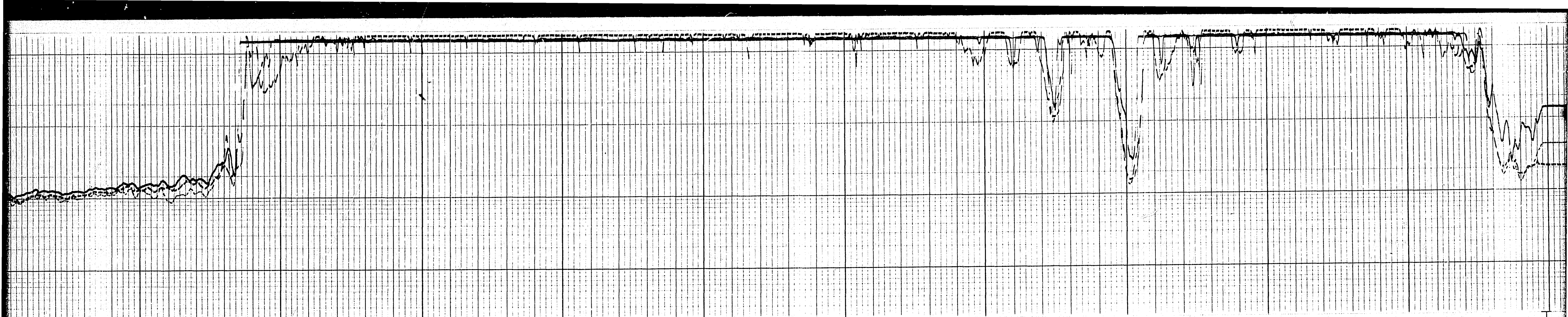






DETAIL LOG
5" = 100'

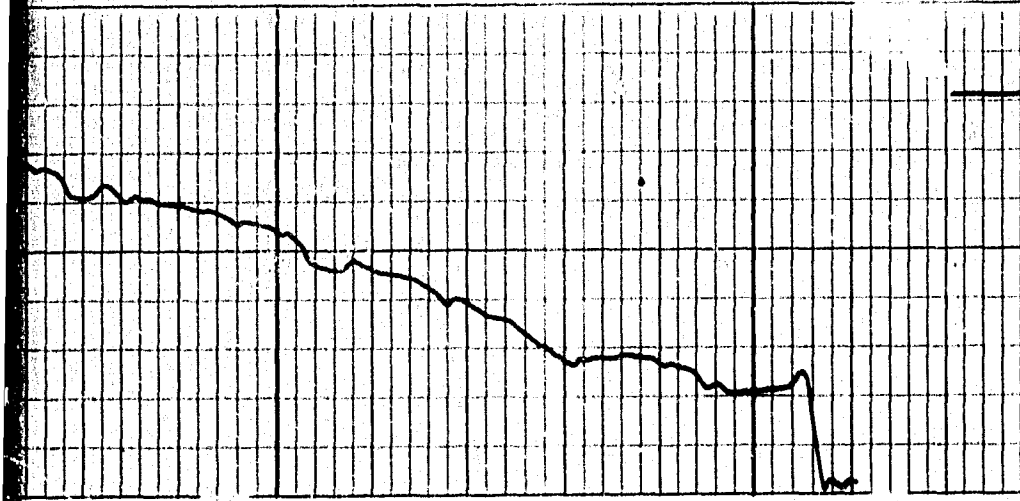




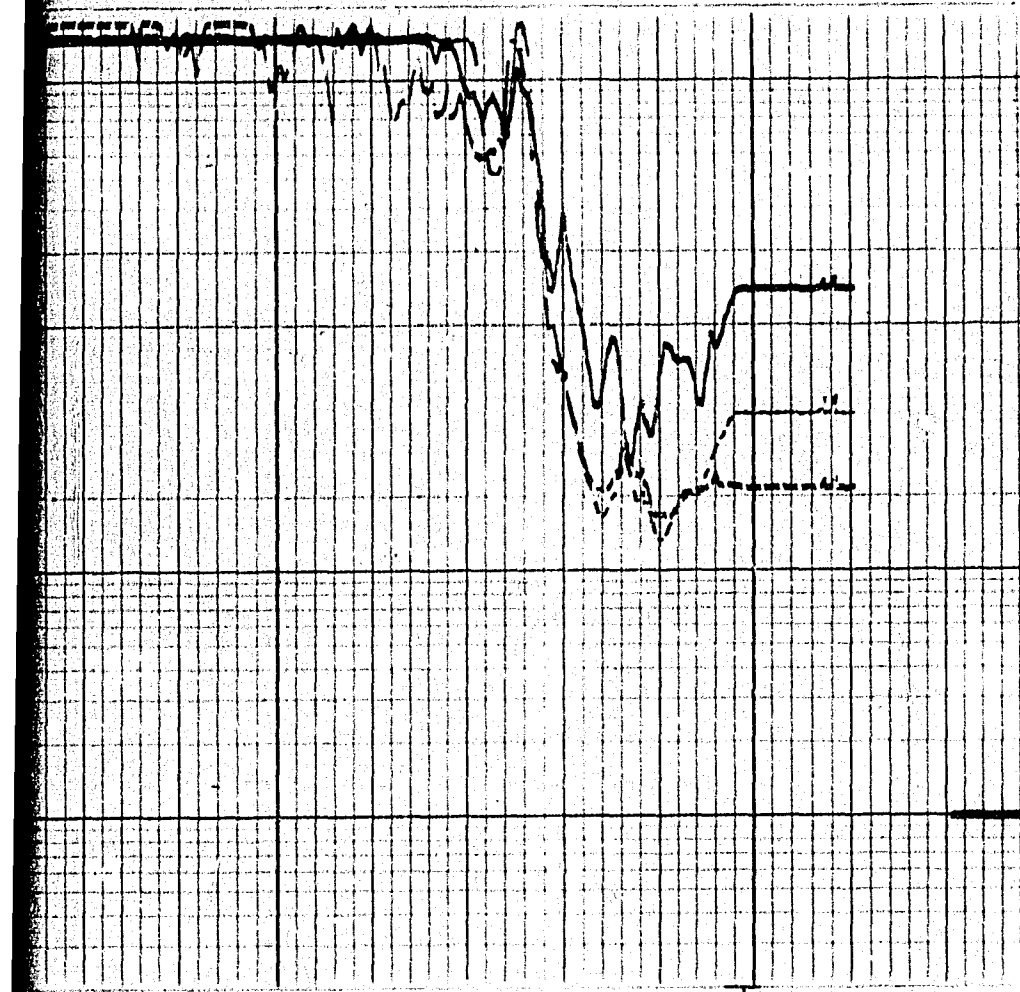
Zero Shift

6900
FR

70

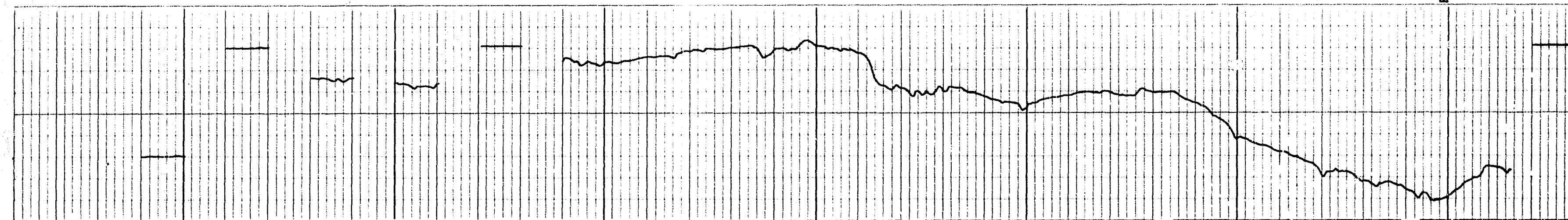


FR

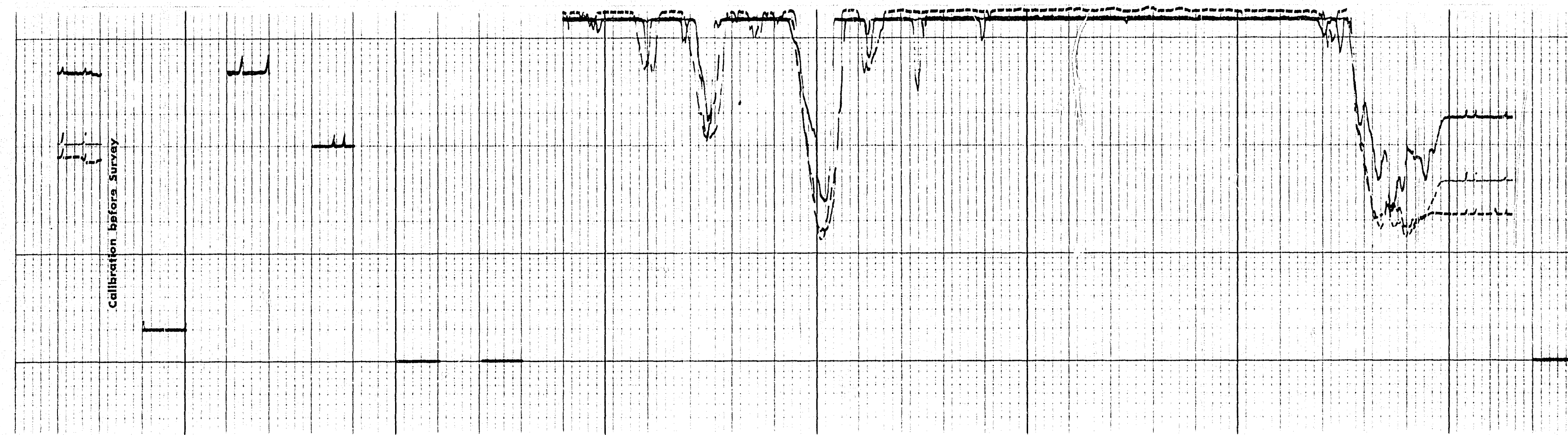


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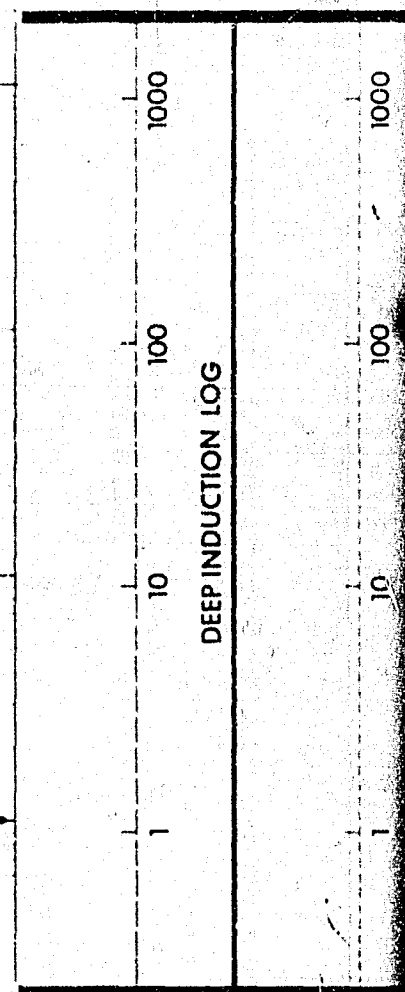
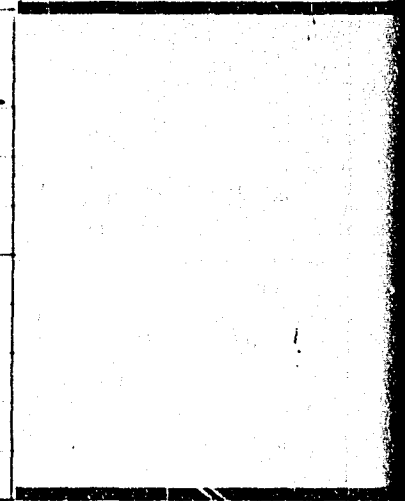
REPEAT SECTION



FR



Calibration before survey



DEEP INDUCTION LOG

1000

100

10

1

1000

100

10

1

80f

Calibration before survey

FR

Speed in FPM

20

DEEP INDUCTION LOG

MEDIUM INDUCTION LOG

LATER LOG-S

SPONTANEOUS POTENTIAL
millivolts

DEPTHS

RESISTIVITY
ohms m/m

COMPANY ATKINSON PETROLEUMS LTD.

WELL ATKINSON HELMET CSP TROUT LAKE H-57

FIELD WILDCAT PROVINCE NORTHWEST TERRITORIES

Schlumberger

9049

Well Name: ATKINSON CSP TROUT LAKE H 57

Location: H 57; 60° 30' N; 121° 15' W

Elevation: GR- 2092 KB- 2110

Spudded: Feb. 15, 1973 Completed: Plugged March 26, 1973

Total Depth: 6908 Driller _____ Status: Dry and Abandoned

Logs Run: DIL, BHCS-GR-C

Samples Logged By: D. W. Holmes, P. Geol.

Remarks: Sample Quality Poor to Fair
5' discrepancy between pipe tally & Schlumberger
measurements. most sample tops are high.

Drill Time				Depth	Shows Parasitic Porosity	Lithology	Grain Size	Accessories	Remarks	Sample Quality	Core	DST	Casing etc.
Minutes	Seconds	10 feet	40										
10	20	30	40										
				1900									
				2000									
				2100					Thin, calcareous, v.f. ss. intbds., tr. tarry oil str., v. poor por.				
				2200					Siltstone, lt. gy., v. calc., silty ls. intbds. Gy., calc. Gy., v. calc., v. arg. Dk. gy., fis., v.f. carbonaceous debris.				
				2300					Lt. gy. soft, bentonitic Siltst., lt. gy., v. calc., arg. tr. glauco, thin sh. & calc. ss. intbds.				
				2400					Shale, light gray, v. calc., arg., thin calc. sh. intbds.				
				2500					Comm. calc. siltst. intbds. Shale, calc. silty				
				2600					Shale aa., tr. non calc. sh. intbds., occas. silty ls. intbds.				
				2700					Dk. gy., fis., comm. soft, lt. gy., calc. sh. intbds.				
				2800					Gy. & lt. gy., sl. calc., micromic Gy., fis., tr. calc. siltst. Gy., fis., scat. dk. gy. intbds.				
				2900					Shale, aa., with thin light gray micritic ls. intbds.				
				3000					Lt. gy., sl. arg., micromic, micritic partly chalky Trace skel. frags, scat. crin. frags. Ls. aa. comm. lt. gy. soft calc. sh. intbds.				
				3100					Sh. gy., fis., comm. lt. gy. calc. sh. intbds., ls. intbds. Sh., lt. gy., calc. Sh., gy., fis., v. calc., occas. gy. micritic ls. intbds.				
				3200									
				3300									
				3400					Sh. aa., comm. dk. gy. sh. intbds., non calc. Gy., fis., micromic, scat. lt. gy. calcareous sh. intbds. tr. brach. frags. Lt. gy., calc. Gy. dk. gy., scat. brach. & crin. frags.				
				3500					Gy., fis., micromic, comm. lt. gy. sl. calc. intbds.				
				3600					Lt. gy. - gy., fis., tr. sl. calc. intbds.				
				3700									
				3800									
				3900									
				4000									
				4100									
				4200									
				4300									
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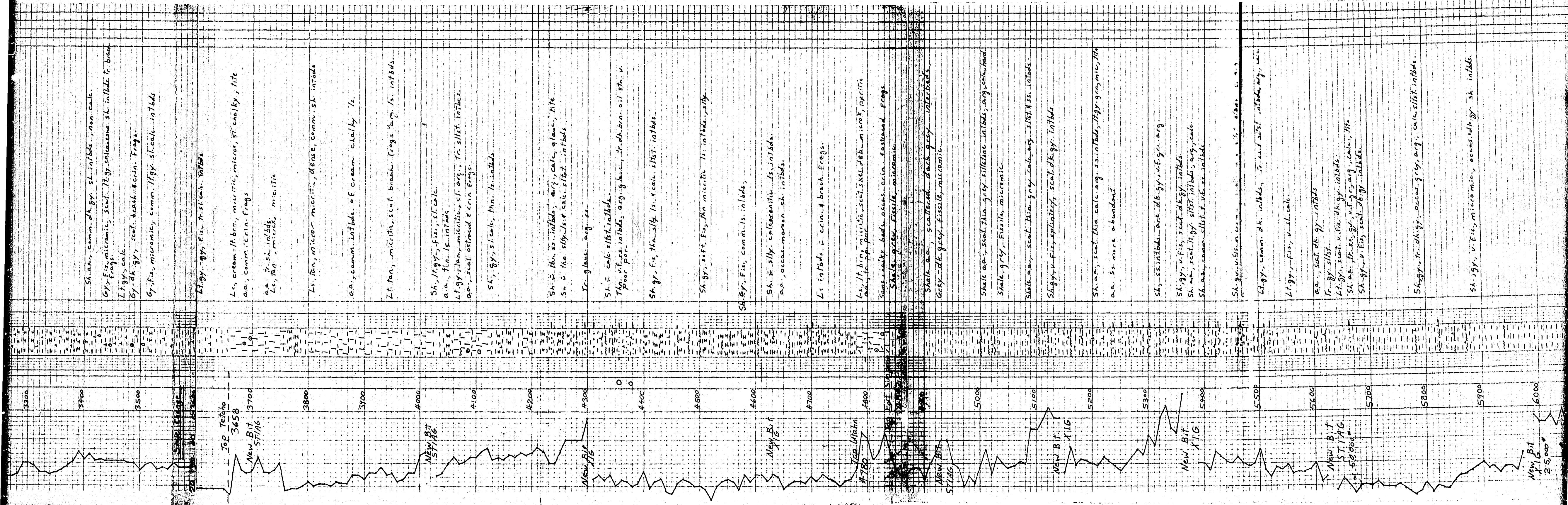
New Bit
X16

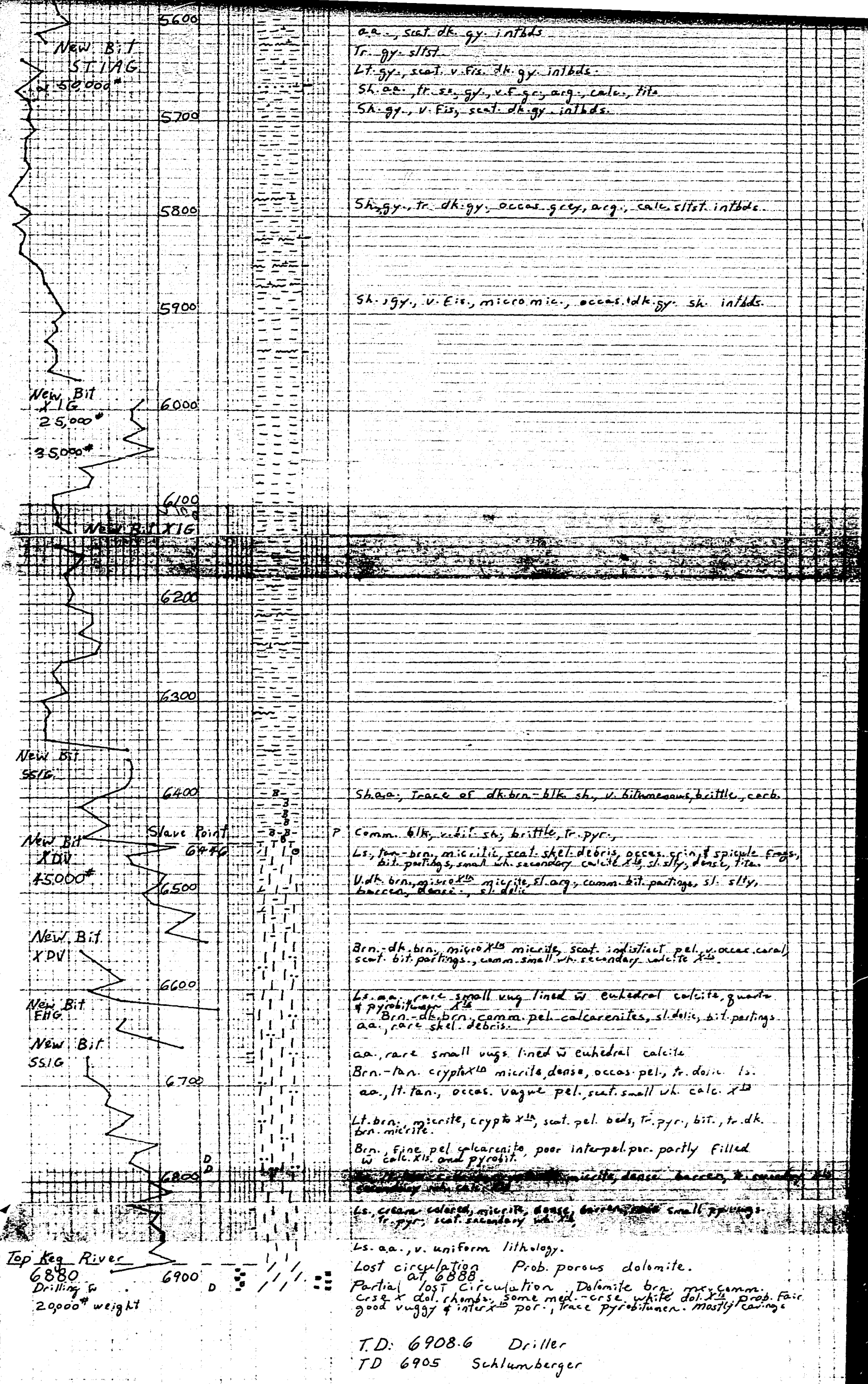
Top Katcho
2966

New Bit
ST1A6

Top Tetcho

Poor Copy
1 of





Poor Copy

343



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE-- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION AREA DATE 11 19 7

Tour - Midnight - 8 a.m.
Specify actual hours worked
Driller: [Signature]
Derrick: [Signature]
Floor: [Signature]
Floor: [Signature]
Motor: [Signature]
Mechanic: [Signature]
Extra: [Signature]
Injuries: [Signature]
Fires: [Signature]

From	Footage	To	Wt. of Bottom	Wt. Drilling	DRILL COLLARS	FUEL	WATER	COAL	Stands
					No.	D.D.	D.		
B	No.	Size	Type	Size (in)	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.
I									
T									
S									
MUD	10 M	20 M	30 M	40 M	50 M	60 M	70 M	80 M	90 M
WEIGHT									
SCDS									
DEL									
P									
U									
M									
P									
S									

REMARKS
Start Stop Interval
GROUND TO BOWL 18.60
GROUND TO KB 17.90
Company Time Cont'r Time

Tour - 8 a.m. to 4 p.m.
Specify actual hours worked
Driller: [Signature]
Derrick: [Signature]
Floor: [Signature]
Floor: [Signature]
Motor: [Signature]
Mechanic: [Signature]
Extra: [Signature]
Injuries: [Signature]
Fires: [Signature]

From	Footage	To	Wt. of Bottom	Wt. Drilling	DRILL COLLARS	FUEL	WATER	COAL	Stands
					No.	D.D.	D.		
B	No.	Size	Type	Size (in)	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.
I									
T									
S									
MUD	10 M	20 M	30 M	40 M	50 M	60 M	70 M	80 M	90 M
WEIGHT									
SCDS									
DEL									
P									
U									
M									
P									
S									

Company Time Cont'r Time

Tour - 4 p.m. to Midnight
Specify actual hours worked
Driller: [Signature]
Derrick: [Signature]
Floor: [Signature]
Floor: [Signature]
Motor: [Signature]
Mechanic: [Signature]
Extra: [Signature]
Injuries: [Signature]
Fires: [Signature]

From	Footage	To	Wt. of Bottom	Wt. Drilling	DRILL COLLARS	FUEL	WATER	COAL	Stands
					No.	D.D.	D.		
B	No.	Size	Type	Size (in)	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.
I									
T									
S									
MUD	10 M	20 M	30 M	40 M	50 M	60 M	70 M	80 M	90 M
WEIGHT									
SCDS									
DEL									
P									
U									
M									
P									
S									

Company Time Cont'r Time
TOTAL

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack
S.O.P. Test-Operated Time Results
Total Contractor Time Hrs. Toolpusher
Total Company Time Hrs. Approved by



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE— Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No.	7	LOCATION	AREA	DATE	19	REMARKS	Start	Time	Stop	Interval
Tour — Midnight - 8 a.m.										
Specify actual hours worked Hrs.										
Driller	8									
Derrick	7									
Floor	1									
Floor	8									
Floor										
Motor	8									
Mechanic										
Extra										
Injuries:										
Fires:										
Tour — 8 a.m. to 4 p.m.										
Specify actual hours worked Hrs.										
Driller	8									
Derrick	16									
Floor	16									
Floor	8									
Motor	8									
Mechanic										
Extra										
Injuries:										
Fires:										
Tour — 4 p.m. to Midnight										
Specify actual hours worked Hrs.										
Driller	12									
Derrick	8									
Floor	2									
Floor	12									
Motor	2									
Mechanic										
Extra										
Injuries:										
Fires:										

Totco Ring on Bit No.	D.P. Calipered Date	Results	From Pipe Rack	Total Contractor Time	Hrs.	Toolpusher
B.O.P. Test-Operated	Time	Results		Total Company Time	Hrs.	Approved by

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION At the ... AREA ... DATE ... 1

REMARKS

	Time
Start	Stop Interval

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL		WATER		COAL		Stands																										
Specify actual hours worked		Hrs.					50	75	100	125	150	175	200	225	250	275	300	Samples																									
Driller	<i>W. J. Smith</i>																	D Collars																									
Dorricks	<i>D. J. Smith</i>																	Other Ft																									
Floor	<i>W. J. Smith</i>																	C B Ft																									
Floor	<i>W. J. Smith</i>																																										
Floor	<i>W. J. Smith</i>																																										
Floor	<i>W. J. Smith</i>																																										
Motor	<i>W. J. Smith</i>																	Subs Ft																									
Mechanic	<i>W. J. Smith</i>																	Ft Up On																									
Extra																		Kelly																									
Injuries:																		TOTAL																									
Fires:																																											
		PUMP		No 1		Pressure		Model		G.P.M.		Liner Size		No 2		Pressure		Model		G.P.M.		Liner Size		Size		TRIPS		No Lines		TON MILES		TOTAL MILES		Sup		Feet of		Cut		Feet Left on Spool		Next Sup	
		PUMP		No 1		Pressure		Model		G.P.M.		Liner Size		No 2		Pressure		Model		G.P.M.		Liner Size		Size		TRIPS		No Lines		TON MILES		TOTAL MILES		Sup		Feet of		Cut		Feet Left on Spool		Next Sup	
		PUMP		No 1		Pressure		Model		G.P.M.		Liner Size		No 2		Pressure		Model		G.P.M.		Liner Size		Size		TRIPS		No Lines		TON MILES		TOTAL MILES		Sup		Feet of		Cut		Feet Left on Spool		Next Sup	
		PUMP		No 1		Pressure		Model		G.P.M.		Liner Size		No 2		Pressure		Model		G.P.M.		Liner Size		Size		TRIPS		No Lines		TON MILES		TOTAL MILES		Sup		Feet of		Cut		Feet Left on Spool		Next Sup	
		PUMP		No 1		Pressure		Model		G.P.M.		Liner Size		No 2		Pressure		Model		G.P.M.		Liner Size		Size		TRIPS		No Lines		TON MILES		TOTAL MILES		Sup		Feet of		Cut		Feet Left on Spool		Next Sup	
		PUMP		No 1		Pressure		Model		G.P.M.		Liner Size		No 2		Pressure		Model		G.P.M.		Liner Size		Size		TRIPS		No Lines		TON MILES		TOTAL MILES		Sup		Feet of		Cut		Feet Left on Spool		Next Sup	
		PUMP		No 1		Pressure		Model		G.P.M.		Liner Size		No 2		Pressure		Model		G.P.M.		Liner Size		Size		TRIPS		No Lines		TON MILES		TOTAL MILES		Sup		Feet of		Cut		Feet Left on Spool		Next Sup	
		PUMP		No 1		Pressure		Model		G.P.M.		Liner Size		No 2		Pressure		Model		G.P.M.		Liner Size		Size		TRIPS		No Lines		TON MILES		TOTAL MILES		Sup		Feet of		Cut		Feet Left on Spool		Next Sup	
		PUMP		No 1		Pressure		Model		G.P.M.		Liner Size		No 2		Pressure		Model		G.P.M.		Liner Size		Size		TRIPS		No Lines		TON MILES		TOTAL MILES		Sup		Feet of		Cut		Feet Left on Spool		Next Sup	
		PUMP		No 1		Pressure		Model		G.P.M.		Liner Size		No 2		Pressure		Model		G.P.M.		Liner Size		Size		TRIPS		No Lines		TON MILES		TOTAL MILES		Sup		Feet of		Cut		Feet Left on Spool		Next Sup	
		PUMP		No 1																																							

Company Time

Cont'r Time

[illegible]

Company Time

Cont'r Time

Tour - 4 p.m. to Midnight		From	Footage	To	Hrs on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS				FUEL	WATER		COAL	Stands
Specify actual hours worked	Hrs.	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Standards	
Driller <u>GEORGE WILKINSON</u>	8	734	1 1/2	9 1/2	7 1/4	52	4	7	550					Singles	
Derrick <u>DOCK LUMBERHEAD</u>	8													5 Collars	
Floor <u>EMILY BULLO</u>	8													539.16	
Floor <u>JACK THATCHER</u>	8													Other Ft.	
Floor														C.B. Ft.	
Motor <u>W. L. M. M. M.</u>	8	MUD				4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives		At Surveys Degree		MOTOR HOURS	Next Oil Change
Mechanic		WEIGHT								757 10		1		Subs. Ft.	
Extra		VISCOSITY								848 10		2		4.48	
Injuries:		GEL										3		Ft. Up On	
Fires:		P										4		Kelly	
		M										5		TOTAL	
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TOTAL

Company Time

Cont's Time

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time _____ Hrs.

Toolpusher

B.O.P. Test-Operated

Time.

Results

Total Company Time _____ Hrs.

Approved by

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No.	LOCATION	AREA	DATE	19
Tour - Midnight - 8 a.m. Specify actual hours worked _____ Hrs.				
Driller				
Derrick				
Floor				
Floor				
Floor				
Motor				
Mechanic				
Extra				
Injuries:				
Fires:				
Tour - 8 a.m. to 4 p.m. Specify actual hours worked _____ Hrs.				
Driller				
Derrick				
Floor				
Floor				
Floor				
Motor				
Mechanic				
Extra				
Injuries:				
Fires:				
Tour - 4 p.m. to Midnight Specify actual hours worked _____ Hrs.				
Driller				
Derrick				
Floor				
Floor				
Floor				
Motor				
Mechanic				
Extra				
Injuries:				
Fires:				

REMARKS		Start	Time Stop	Interval
Company Time		Cont'r Time		
SURVEY - 810		8:00	7:15	1/4
DRINK - 810		7:15	7:00	1/4
SURVEY @ 165 1°		7:00	7:15	1/4
DRINK		7:15	7:00	1/4
SURVEY @ 223 1/2°		7:00	7:15	1/4
DRINK		7:15	7:00	1/4
TOTAL				7
Company Time		Cont'r Time		
RIG CLR		7:00	4:5	2 1/2
DRINK		4:5	5:00	3/4
SURVEY 209-20		5:00	5:15	1/4
DRINK		5:15	7:45	2 1/2
SURVEY 270		7:45	8:00	1/4
DRINK		8:00	10:10	2 1/2
SURVEY		10:10	10:45	1/4
DRINK		10:45	12:00	1 1/4
TOTAL				8
Company Time		Cont'r Time		

Totco Ring on Bit No.

B.O.P. Test-Operated

D.P. Calipered Date

Time

Results

Results

From Pipe Rack

Total Contractor Time Hrs.

Total Company Time _____ Hrs.

Toolpusher

Approved by

NOTE-- Please show ~~FOOTAGE~~ made while "Control Drilling" as well as HOURS.

RIG No. 2 LOCATION 1000 ft. deep AREA 1000 ft. deep DATE 19

[illegible]

Tour - 8 a.m. to 4 p.m.

Specify actual hours worked Hrs.

[illegible]

Tour - 4 p.m. to Midnight

Specify actual hours worked _____ Hrs

Driller	GARY WILSON	8
Derrick	J.S. COOPER	10
Floor	JOHN BIRD	2
Floor	Sgt. TROTTEN	8
Floor		
Motor	JOHN HARRIS	1
Mechanic		
Extra	Roy McGILLIS	8
Injuries:	Roy McGILLIS	
Fires:	SIGNS 616-463-378 SEND CHECK TO BOX 913 PORT ST JOHN N.C.	

BITS	No.	Size	Type	Size Juts	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	COND.	CONDITION

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Survey's Degree	MOTOR HOURS	Next Oil Change
WEIGHT					CAUSTIC 150 [#]		1	
VISCOSITY					LIME 100 [#]		2	
GEL					SUPER COL. G.E. ST.		3	
							4	
							5	

PUMPS	No. 1 Model	Pressure S.P.M.	Liner Size	No. 2 Model	Pressure S.P.M.	Liner Size	W.L.	F.C.	pH

Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Spd	Feet at Cut	Feet Left on Spool	NEXT SIZE

General

TOTAL

Company Time		Cont'r Time	
1	2	3	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

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time Hrs.

Toolpusher

B.O.P. Test-Operated

Time

Results

Total Company Time _____ Hrs.

Approved by

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE-- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION 2471-2472 01-32-141-60-05 AREA 11.1N x 11.27 DATE 12-5-1973

REMARKS

Start	Time Step	Interval
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Specific action by the Government

GEORGE W. H. H. H. H. H.	8
J. A. H. H. H. H. H.	8
J. A. H. H. H. H. H.	8
L. H. H. H. H. H. H.	8
B. H. H. H. H. H. H.	8

Spacially defined by work worked

[illegible]

Specify actual work week

[illegible]

Totco Ring on Bulb No.
B.O.P. Test-Oper. Method

D.P. Calipered Date
Time

Results

From Pipe Rack

Total Contractor Time..... Hrs.

Total Company Time..... Hrs.

Toolpusher
Approved by

82 Lewis

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE— Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION AT TROUSON 11-51-121-60-15 AREA TRUSTING DATE 11/24/25 19 73

REMARKS

Start	Stop	Interval
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Tour - Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	No.	D.I.D.	I.D.	Well	Depth	Water	COAL	Shells
Specify actual hours worked	Hrs.													Singles
Driller GEORGE WILLIAMS	8	B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Steamd	Hrs.	CONDITION
Derrick JIM WILSON	8	I												D. Collars
Floor JIM FLEMING	8	T												Other Ft.
Floor LEO HENNING	8	S												C.B. Ft.
Floor		MUD	12 Mo.	2 a m.	4 a m.	6 a m.	Additives	At Surface Engine			MOTOR HOURS		Feet Oil Change	Subst. Ft.
Floor		WEIGHT				8.0	GALL 1700 LBS				1			
Motor BIRDY HENDERSON	8	VISCOSITY	100	100	140	135	GRANULIC SO				2			Ft. On Dr.
Mechanic		GEL					QUICK SET S				3			Kelly
Extra		PUMP	No. 1 Model	Pressure S.P.M.			SAFETY UNIT A-10				4			TOTAL
Injuries:			Liner Size				SIZE OF TRIPS	No. Lines	TON MILES	TOTAL MILES	Ship	Feet or Cut	Feet Left on Spool	Next Ship
Fires:		PUMP	No. 2 Model	Pressure S.P.M.			50 CUB							
		S	Liner Size				General							
		WL	10.0	F.C.		PH	9.5							

City Court Hall 12/20

245

[illegible]

Company Time

Con't'r Time

[illegible]

Company Time

Cont'r Time

1	2	3	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
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Company Time

Cont'r Time

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time..... Hrs.

Toolpusher

B.O.P. Test-Operated

Time

Results

Total Company Time _____ Hrs.

Approved by

100



DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION ATLASBURG ROAD 12215 AREA 7800 X 134 DATE 11/10/97 19 98

REMARKS

	Time	
Start	Stop	Interval

	Start	Stop	Interval
REG. SET	15:10	15:15	5
TRY TO REPLY G. BIT	15:15	15:45	30
MON-T	15:45	5:50	4:05
TRY TO REPLY G. BIT	5:50	6:50	1
LAST MON-T 15:45	6:50	7:00	10
MON-T	7:00	8:00	1
			8

Company Time

Cont'r Time

[illegible]

Company Time

Cont'r Time

K.O. SCKL	4 ⁰⁰	4 ¹⁵	$\frac{1}{4}$
CLEAN IN FROM 6538 -	4 ¹⁵		
To 6896 DRINK CEMENT			
To 6894.		7 ¹⁵	$\frac{1}{4}$
DRINK	7 ¹⁵	7 ³⁰	$1\frac{1}{4}$
CIRC MIX SANDPIT	7 ³⁰		
LOSSING M.P. DIRT		12 ⁰⁰	$2\frac{1}{2}$
TOTAL			
Company Time	Cont'r Time		

TOTAL

Company Time

Cont'r Time

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time _____ Hrs.

Toolpusher...

B.O.P. Test-Operated

Time

Results

Total Company Time _____ Hrs.

Approved by _____

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE-- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION ATLAS 11 51 44 15 AREA 11 51 44 15 DATE 11/11/15 19 75

REMARKS

Start	Time Stop	Interval
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[illegible]

REMARKS	Time	
	Start	Stop
1. 10.00	10.00	10.00
2. 10.00	10.00	10.00
3. 10.00	10.00	10.00
4. 10.00	10.00	10.00
5. 10.00	10.00	10.00
6. 10.00	10.00	10.00
7. 10.00	10.00	10.00
8. 10.00	10.00	10.00
9. 10.00	10.00	10.00
10. 10.00	10.00	10.00
11. 10.00	10.00	10.00
12. 10.00	10.00	10.00
13. 10.00	10.00	10.00
14. 10.00	10.00	10.00
15. 10.00	10.00	10.00
16. 10.00	10.00	10.00
17. 10.00	10.00	10.00
18. 10.00	10.00	10.00
19. 10.00	10.00	10.00
20. 10.00	10.00	10.00
21. 10.00	10.00	10.00
22. 10.00	10.00	10.00
23. 10.00	10.00	10.00
24. 10.00	10.00	10.00
25. 10.00	10.00	10.00
26. 10.00	10.00	10.00
27. 10.00	10.00	10.00
28. 10.00	10.00	10.00
29. 10.00	10.00	10.00
30. 10.00	10.00	10.00
31. 10.00	10.00	10.00
32. 10.00	10.00	10.00
33. 10.00	10.00	10.00
34. 10.00	10.00	10.00
35. 10.00	10.00	10.00
36. 10.00	10.00	10.00
37. 10.00	10.00	10.00
38. 10.00	10.00	10.00
39. 10.00	10.00	10.00
40. 10.00	10.00	10.00
41. 10.00	10.00	10.00
42. 10.00	10.00	10.00
43. 10.00	10.00	10.00
44. 10.00	10.00	10.00
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77. 10.00	10.00	10.00
78. 10.00	10.00	10.00
79. 10.00	10.00	10.00
80. 10.00	10.00	10.00
81. 10.00	10.00	10.00
82. 10.00	10.00	10.00
83. 10.00	10.00	10.00
84. 10.00	10.00	10.00
85. 10.00	10.00	10.00
86. 10.00	10.00	10.00
87. 10.00	10.00	10.00
88. 10.00	10.00	10.00
89. 10.00	10.00	10.00
90. 10.00	10.00	10.00
91. 10.00	10.00	10.00
92. 10.00	10.00	10.0

Tour - 8 a.m. to 4 p.m.

Specify actual hours worked Hrs.

Driller <u>W. L. H. 17 H</u>	7	B I T S	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars		
Derrick <u>W. L. H. 17 H</u>	7															Other Ft.	
Floor <u>W. L. H. 17 H</u>	7															C.B. Ft.	
Floor <u>W. L. H. 17 H</u>	12															Subs. Ft.	
Floor <u>W. L. H. 17 H</u>	12															Ft. Up On Kelly	
Motor <u>W. L. H. 17 H</u>	12	P U M P S	MUD					At Surveys Degree					MOTOR HOURS		Next Oil Change		TOTAL
Mechanic			WEIGHT										1				
Extra			VISCOSITY										2				
Injuries:			GEL										3				
Fires:			No. 1 Pres sure										4				
			No. 1	Pres sure													
			Model	S.P.M.													
				Liner Size													
			No. 2	Pres sure													
			Model	S.P.M.													
				Liner Size													
			W.L.					F.C.					pH.				

[illegible]

Tour - 4 p.m. to Midnight

Specify actual hours worked Hrs.

Driller	KEITH STUART	4	BITS	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Drillers													
Derrick	CHAS. ROSEN	4															Other Ft.												
Floor	HARVEY MUELLER	4															C.B. Ft.												
Floor	JACK TRACHA	4															Subs. Ft.												
Floor																	Ft. Up On												
Motor	EDDY HUNNELL	4	PUMPS	MUD						Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change	Kelly TOTAL												
Mechanic				WEIGHT										1															
Extra				VISCOSITY										2															
				GEL										3															
Injuries:				No. 1 Pres sure										4															
Fires:			Model S.P.M.										5			TOTAL													
			Liner Size						Size		TRIPS		No. Lines		TON MILES		TOTAL MILES		Slip		Feet or		Cut		Feet Left on Spool		Next Slip		
			No. 2 Pres sure																										
			Model S.P.M.																										
			Liner Size																										
			W.L.						F.C.						pH.														

RIG SERL	4:00	4:15	1/4
RUN IN	4:30	6:15	2
TAG CEMENT 6408	6:15		
BREAK CIRC		6:45	1/2
DRILL OUT CEMENT	6:45	8:45	2
CIRC CARRIED 14 1/2	7:30	10:30	1 1/4
W/O Mud Mixer Picked	10:30	11:30	
BECA			1
CAN'T CIRC.	11:30	12:00	1/2
TOTAL			
Company Time			
Cont's Time			

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time _____ Hrs.

Toolpusher

B.O.P. Test-Operated

Time.

Results

Total Company Time _____ Hrs.

Approved by



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION THOMSON HILL 121-15 AREA THOMSON HILL DATE 11/15/19 13

Tour - Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			FUEL	WATER	COAL	Stands
Specify actual hours worked		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
Driller	George Miller												
Derrick	John Miller												
Floor	John Miller												
Floor	John Miller												
Floor	John Miller												
Motor	John Miller												
Mechanic	John Miller												
Extra													
Injuries:													
Fires:													
Tour - 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			FUEL	WATER	COAL	Stands
Specify actual hours worked		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
Driller	Bill Miller												
Derrick	John Miller												
Floor	John Miller												
Floor	John Miller												
Floor	John Miller												
Motor	John Miller												
Mechanic	John Miller												
Extra													
Injuries:													
Fires:													
Tour - 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			FUEL	WATER	COAL	Stands
Specify actual hours worked		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
Driller	Keith Stuart												
Derrick	Chris Roeth												
Floor	Harvey May												
Floor	Edna Miller												
Floor	Edna Miller												
Motor	Barry Hurrell												
Mechanic	Barry Hurrell												
Extra													
Injuries:													
Fires:													
TOTAL													

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Contractor Time Hrs. Toolpusher
B.O.P. Test-Operated Time Results Total Company Time Hrs. Approved by

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE— Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION ATKINSON H-57-60-121-75 AREA TROUT LAKE DATE MARCH 21 19 73

[illegible][illegible]

Tour - 4 p.m. to Midnight		From	Footage	To	Hrs on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands						
Specify actual hours worked	Hrs.	No.	O.D.	I.D.	Wgt	Gals.		Bbls.		Tons		Singles								
Driller <i>KEITH STUART</i>	<i>8</i>	BITS	No.	Size	Type	Size Jets	Serial No.	Weight	H.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars					
Derrick <i>CHRIS ROSETH</i>	<i>8</i>															Other Ft.				
Floor <i>HARVEY MAY</i>	<i>8</i>															C.B. Ft.				
Floor <i>JACK TRACHUK</i>	<i>4</i>																			
Floor		MUD						4 p.m.		6 p.m.	8 p.m.	10 p.m.	Additives	At 3000 yds Degree		MOTOR HOURS		Next Oil Change		Subs. Ft.
		WEIGHT						<i>21.500</i>								1				
		VISCOSITY														2				
		GEL														3				
		PUMPS	No. 1	Pres sure									4							
			Model	S.P.M.									5							
				Liner Size																
			No. 2	Pres sure																
			Model	S.P.M.																
				Liner Size																
Injuries:		W.L.		F.C.		D.H.		Size		TRIPS	No. Lines	TON MILES	TOTAL MILES	Ship	Feet or	Cut	Feet Left on Spool	Next Slip		
Fires:		General																		

[illegible]**Totco Ring on Bit No.**

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time _____ Hrs.

Toolpusher -

B.O.P. Test-Operated

Time

Results

Total Company Time _____ Hrs.

Approved by _____



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE— Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION ATU 11-1-60-151-1 AREA TROUT P. Hg DATE 11-1-60 19 13

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			FUEL	WATER	COAL	Stands				
Specify actual hours worked							No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Tons				
Driller	8	B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars		
Derrick	8	I	21	4	SSIG	—	589194								437.70		
Floor	8	T													Other Ft.		
Floor	8	S													C.B. Ft.		
Floor		MUD						12 Mm.	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	Subs. Ft.	
Motor	8	WEIGHT						12.6							1		5.50
Mechanic		VISCOSITY						62.5	65	90					2		Ft. Up On
Extra		GEL													3		Kelly
Injuries:		P						No. 1	Pres. sure						4		TOTAL
Fires:		U						Model	S.P.M.						5		
		M						Liner Size									
		P						No. 2	Pres. sure								
		S						Model	S.P.M.								
								Liner Size									
		W.L.						F.C.	PH.								

CIRC CONTINUED 1200 700 8

Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			FUEL	WATER	COAL	Stands				
Specify actual hours worked							No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Tons				
Driller	4	B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars		
Derrick	4	I	31	2	SSIG		519172								Other Ft.		
Floor	4	T													C.B. Ft.		
Floor	4	S													Subs. Ft.		
Floor		MUD						8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	Ft. Up On	
Motor	4	WEIGHT						9.5	9.5	780					1		Kelly
Mechanic		VISCOSITY						125	125	140	160				2		TOTAL
Extra	8	GEL													3		
Injuries:		P						No. 1	Pres. sure						4		
Fires:		U						Model	S.P.M.						5		
		M						Liner Size									
		P						No. 2	Pres. sure								
		S						Model	S.P.M.								
								Liner Size									
		W.L.						F.C.	PH.								

Company Time Cont'r Time

Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			FUEL	WATER	COAL	Stands				
Specify actual hours worked							No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Tons				
Driller	4	B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars		
Derrick	4	I	21	2	SSIG	—	589194	10	30	4	1/2				437.70		
Floor	4	T													Other Ft.		
Floor	4	S													C.B. Ft.		
Floor		MUD						4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	Subs. Ft.	
Motor	4	WEIGHT													1		Ft. Up On
Mechanic		VISCOSITY													2		Kelly
Extra		GEL													3		TOTAL
Injuries:		P						No. 1	Pres. sure						4		
Fires:		U						Model	S.P.M.						5		
		M						Liner Size									
		P						No. 2	Pres. sure								
		S						Model	S.P.M.								
								Liner Size									
		W.L.						F.C.	PH.								

Company Time Cont'r Time

Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			FUEL	WATER	COAL	Stands				
Specify actual hours worked							No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Tons				
Driller	4	B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars		
Derrick	4	I	21	2	SSIG	—	589194	10	30	4	1/2				437.70		
Floor	4	T													Other Ft.		
Floor	4	S													C.B. Ft.		
Floor		MUD						4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change	Subs. Ft.	
Motor	4	WEIGHT													1		Ft. Up On
Mechanic		VISCOSITY													2		Kelly
Extra		GEL													3		TOTAL
Injuries:		P						No. 1	Pres. sure						4		
Fires:		U						Model	S.P.M.						5		
		M						Liner Size									
		P						No. 2	Pres. sure								
		S						Model	S.P.M.								
								Liner Size									
		W.L.						F.C.	PH.								

REAM FROM 6837-6887 400 630 2 1/2
LOST CIRC - Pump Down Plug 630
REGAIN CIRC 730 1
REAM 730 830 1/2
DRUG 800 830 1/2
LOST CIRC @ 6890 Hoist 830
To 4190 - 30 STD 1000 1000 1 1/2
Mix MUD. 1000 1000 3/4
Hoist to DC 1000 1200 1 1/4

TOTAL
Company Time Cont'r Time

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time Hrs.

Toolpusher

B.O.P. Test-Operated

Time

Results

Total Company Time Hrs.

Approved by

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE-- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION ATHLSON 11-57-GU-12-15 AREA TR-1-10 DATE MARCH 7 1971

REMARKS

Start	Stop	Interval
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Tour - Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (10000-lb.)	DRILL COLLARS			KUFL	WATER		COAL	STATUS	
Specify actual hours worked	Hrs.						No.	OD	ID	Wt.	Flow	Flow		Stops	
Driller	GEORGE WILKINS	BITS	No.	Size	Type	Size Jets	Serial No.	Weight	RPM	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	
Derrick	JACK WILSON		20	8 3/4	SS16	5 1/2	215769	45	70	131	11 1/2			D. Coker	
Floor	JACK THICKUM		21	8 3/4	SS16	5 1/2	589192							Other Ft.	
Floor														C.B. Ft.	
Floor	EDWARD ALBERT	PUMPS	MUD		12 Mo.	2 am.	4 am.	6 am.	Additives			Air Surveys (Days)		MOTOR HOURS	Feet Dr. Change
Floor			WEIGHT											Surf. Ft.	
Motor	HARRY MURRELL		VISCOSITY											Ft. Up Ch.	
Mechanic			GEL											Qty.	
Extra			No. 1	Pressure										TOTAL	
Injuries			Model	S.P.M.											
				Liner Size											
			No. 2	Pressure											
			Model	S.P.M.											
				Liner Size											
Fires					Size	TRIPS	No. Lines	FOOT MILES	TOTAL MILES		Slip	Feet on	Cut	Feet Lost on Spool	Next Stop
					General										
		W.L.	F.C.	D.M.											

HIRST CHAIR TONG NOT	12 ⁰⁰	6 ⁰⁰	6
LIP LAMP 1 B BELL COLLING	7 ⁰⁰	7 ⁰⁰	19
✓ GARDY BIRD BAGW FINE	7 ⁰⁰	8 ⁰⁰	19

2012 22 days to 2008
 201 100 to 2008 to 2008
 201 100 2008 2008.

Company Time		Cont'r Time	
1	10:00	10:00	10:00
2	10:15	10:15	10:15
3	10:30	10:30	10:30
4	10:45	10:45	10:45
5	11:00	11:00	11:00
6	11:15	11:15	11:15
7	11:30	11:30	11:30
8	11:45	11:45	11:45
9	12:00	12:00	12:00
10	12:15	12:15	12:15
11	12:30	12:30	12:30
12	12:45	12:45	12:45
13	13:00	13:00	13:00
14	13:15	13:15	13:15
15	13:30	13:30	13:30
16	13:45	13:45	13:45
17	14:00	14:00	14:00
18	14:15	14:15	14:15
19	14:30	14:30	14:30
20	14:45	14:45	14:45
21	15:00	15:00	15:00
22	15:15	15:15	15:15
23	15:30	15:30	15:30
24	15:45	15:45	15:45
25	16:00	16:00	16:00
26	16:15	16:15	16:15
27	16:30	16:30	16:30
28	16:45	16:45	16:45
29	17:00	17:00	17:00
30	17:15	17:15	17:15
31	17:30	17:30	17:30
32	17:45	17:45	17:45
33	18:00	18:00	18:00
34	18:15	18:15	18:15
35	18:30	18:30	18:30
36	18:45	18:45	18:45
37	19:00	19:00	19:00
38	19:15	19:15	19:15
39	19:30	19:30	19:30
40	19:45	19:45	19:45
41	20:00	20:00	20:00
42	20:15	20:15	20:15
43	20:30	20:30	20:30
44	20:45	20:45	20:45
45	21:00	21:00	21:00
46	21:15	21:15	21:15
47	21:30	21:30	21:30
48	21:45	21:45	21:45
49	22:00	22:00	22:00
50	22:15	22:15	22:15
51	22:30	22:30	22:30
52	22:45	22:45	22:45
53	23:00	23:00	23:00
54	23:15	23:15	23:15
55	23:30	23:30	23:30
56	23:45	23:45	23:45
57	24:00	24:00	24:00
58	24:15	24:15	24:15
59	24:30	24:30	24:30
60	24:45	24:45	24:45
61	25:00	25:00	25:00
62	25:15	25:15	25:15
63	25:30	25:30	25:30
64	25:45	25:45	25:45
65	26:00	26:00	26:00
66	26:15	26:15	26:15
67	26:30	26:30	26:30
68	26:45	26:45	26:45
69	27:00	27:00	27:00
70	27:15	27:15	27:15
71	27:30	27:30	27:30
72	27:45	27:45	27:45
73	28:00	28:00	28:00
74	28:15	28:15	28:15
75	28:30	28:30	28:30
76	28:45	28:45	28:45
77	29:00	29:00	29:00
78	29:15	29:15	29:15
79	29:30	29:30	29:30
80	29:45	29:45	29:45
81	30:00	30:00	30:00
82	30:15	30:15	30:15
83	30:30	30:30	30:30
84	30:45	30:45	30:45
85	31:00	31:	

Company Name	Country Name

Tour	From	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	No.	O.D.	I.D.	Wgt.	FUEL	WATER	SI	Stands		
Specify actual hours worked									Gals		Tons	Singles		
Driller <u>BILL KEITH</u>	B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	D. Collars	
Derrick <u>CARL LINCOLN JR</u>	I													
Floor <u>BOCK, BOB O.</u>	T													
Floor <u>DENNIS OWELLON</u>	S													
Floor	MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree			MOTOR HOURS		Next Oil Change	C.B. Ft.	
Motor <u>EARL SQUARD</u>	WEIGHT	<u>700-5000</u>									1			Subs Ft.
Mechanic	VISCOSITY	<u>SAE 20</u>									2			Ft. Up On Kellys
Ext. <u>George Johnston</u>	GEL	<u>SAE 50</u>									3			TOTAL
Injuries:	P	No. 1	Pressure	Model	S.P.M.				4					
<u>George Johnston</u>	M	Liner Size	Pressure	Model	S.P.M.	Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Ship	Feet or Cut	Feet Left on Spool	Next Ship
Fires: <u>WORK OVER TO MIX MUD.</u>	P	No. 2	Pressure	Model	S.P.M.	General								
	S	Liner Size												
	W.L.	F.C.	p.H.											

For Service to	200	8.75	7
Run in S. O. P.	8.75	10.00	2
Working SHAKER Box - flow	10.00	10.00	1
Loss			
Run in S. O. P.	10.00	1.00	37
Break out of S. O. P. valves, hand	1.00		
Valves.		2.50	1
Cut and bolts through drill bit	2.50		
SP. 10		11.00	1 1/2

Company Time **Cont'r Time**

Company Name	Country	Year	Value	Unit
...	...	...	...	...

[illegible]

4660	1100	4'5"	3/4"
CIRC Mud Tanks M. M. M. M.	7'5"		
Refrigerator Cut Mud			
To Supply Circ M. M. M. M.			
4660.		7'50"	4 1/2"
Run in to 6399	7'50"	7'5"	3/4"
CIRC 6 M. M. M. M. @ 6399	7'5"		
4660 @ 6399		12'00"	2 7/8"

TOTAL

Company Time Cont'r Time

Cont'r Time

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time Hrs.

Toolpusher.

B.O.P. Test-Operated

Time

Results

Total Company Time _____ Hrs.

Approved by _____

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE-- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No.	LOCATION	AREA	DATE	
7	Ditch 110-80-121-15	TRAIL	11-15	1913

REMARKS

Start	Time Stop	Interval
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Tour -- Midnight - 8 a.m.		From	To	By	At	Drill Collars	Feet	Water	Coal	Notes
Specify actual hours worked	Hrs.	75-6888 74 130m 21 1/2 155								
Driller	12	GEORGE WILKINS 10 8 1/4 53-6 3 42 2 1/2 47 45 4831 194								
Derrick	12	JACK WILSON 								
Floor										
Floor	12	JOHN THOMPSON 								
Floor	12	 								
Motor	12	 								
Mechanics		JACK WILSON 								
Extra										
Injuries:										
Fires:										

Company Time

Cont'r Time

[illegible]

Company Time

Cont'r Time

Tour - 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Pull String (1000lbs.)	DRILL COLLARS				FUEL	WATER		COAL	Stands			
Specify actual hours worked	Hrs.						No.	O.D.	I.D.	Wgt	Gals.	Bbls.	Tons					
Driller		BITS	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles			
Derrick															O Collars			
Floor															Other Ft.			
Floor															C.B. Ft.			
Floor		MUD					4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives		At Surveys Degree		MOTOR HOURS	Needs Change		
Floor		WEIGHT					GEL-300H							1		Subs. Ft.		
Motor		VISCOSITY					(PRE-MIX)							2				
Mechanic		GEL												3		Ft. Up On		
Extra		PUMPS	No. 1	Pressure	S.P.M.										4		TOTAL	
			Model	Liner Size														
Injuries:			No. 2	Pressure	S.P.M.										5			
			Model	Liner Size														
Fires:			General															
		W.L.		F.C.		E.H.												

TOTAL

Company Time

Cont'r Time

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time Hrs.

Toolpusher

B.O.P. Test-Operated

Time

Results

Total Company Time _____ Hrs.

Approved by _____



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE— Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION ATLAS 1001 H-51 60-121-15 AREA THOMSON DATE MARCH 17 19 73

Tour — Midnight - 8 a.m.	From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS	FUEL	WATER	COAL	Stands
Specify actual hours worked						No. O.D. I.D. Wgt.				Singles
Driller GEORGE LUNN 8	B	No. Size Type	Size Jets	Serial No.	Weight	R.P.M. Ft. Drilled	Hrs. Feet Reamed	Hrs.	CONDITION	D. Collars
Derrick J. H. WESLEY 8	I									Other Ft.
Floor J. H. THOMSON 8	T									C.B. Ft.
Floor L. H. HANCOCK 8	S									Subs. Ft.
MUD										Feet Up On Kelly
WEIGHT										TOTAL
VISCOSITY										
GEL										
No. 1 Pres. sure S.P.M.										
No. 2 Pres. sure S.P.M.										
Model S.P.M.										
Liner Size										
General										
W.L.										
F.C.										
pH										

REMARKS	Start	Time	Interval
CIRCUIT	11:00	11:00	1/2
	11:30	11:30	1/2
	12:00	12:00	1/2
	12:30	12:30	1/2
	1:00	1:00	1/2
	1:30	1:30	1/2
	2:00	2:00	1/2
	2:30	2:30	1/2
	3:00	3:00	1/2
	3:30	3:30	1/2
	4:00	4:00	1/2
	4:30	4:30	1/2
	5:00	5:00	1/2
	5:30	5:30	1/2
	6:00	6:00	1/2
	6:30	6:30	1/2
	7:00	7:00	1/2
	7:30	7:30	1/2
	8:00	8:00	1/2
	8:30	8:30	1/2
	9:00	9:00	1/2
	9:30	9:30	1/2
	10:00	10:00	1/2
	10:30	10:30	1/2
	11:00	11:00	1/2
	11:30	11:30	1/2
	12:00	12:00	1/2
	12:30	12:30	1/2
	1:00	1:00	1/2
	1:30	1:30	1/2
	2:00	2:00	1/2
	2:30	2:30	1/2
	3:00	3:00	1/2
	3:30	3:30	1/2
	4:00	4:00	1/2
	4:30	4:30	1/2
	5:00	5:00	1/2
	5:30	5:30	1/2
	6:00	6:00	1/2
	6:30	6:30	1/2
	7:00	7:00	1/2
	7:30	7:30	1/2
	8:00	8:00	1/2
	8:30	8:30	1/2
	9:00	9:00	1/2
	9:30	9:30	1/2
	10:00	10:00	1/2
	10:30	10:30	1/2
	11:00	11:00	1/2
	11:30	11:30	1/2
	12:00	12:00	1/2
	12:30	12:30	1/2
	1:00	1:00	1/2
	1:30	1:30	1/2
	2:00	2:00	1/2
	2:30	2:30	1/2
	3:00	3:00	1/2
	3:30	3:30	1/2
	4:00	4:00	1/2
	4:30	4:30	1/2
	5:00	5:00	1/2
	5:30	5:30	1/2
	6:00	6:00	1/2
	6:30	6:30	1/2
	7:00	7:00	1/2
	7:30	7:30	1/2
	8:00	8:00	1/2
	8:30	8:30	1/2
	9:00	9:00	1/2
	9:30	9:30	1/2
	10:00	10:00	1/2
	10:30	10:30	1/2
	11:00	11:00	1/2
	11:30	11:30	1/2
	12:00	12:00	1/2
	12:30	12:30	1/2
	1:00	1:00	1/2
	1:30	1:30	1/2
	2:00	2:00	1/2
	2:30	2:30	1/2
	3:00	3:00	1/2
	3:30	3:30	1/2
	4:00	4:00	1/2
	4:30	4:30	1/2
	5:00	5:00	1/2
	5:30	5:30	1/2
	6:00	6:00	1/2
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	10:00	10:00	1/2
	10:30	10:30	1/2
	11:00	11:00	1/2
	11:30	11:30	1/2
	12:00	12:00	1/2
	12:30	12:30	1/2
	1:00	1:00	1/2
	1:30	1	

**THOMSON DRILLING****DAILY DRILLING REPORT****DAY WORK RECORD**

NOTE - Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 LOCATION 1107-1-1 AREA 2001-1-1 DATE March 16 19 12

Tour - Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			FUEL	WATER	COAL	Stand		
Specify actual hours worked		Hrs.	6.10				No.	O.D.	I.D.	Wt.	Gals.	Bbls.	Tons		
Driller	<u>ALAN LINDSEY</u>	8	No. Size Type Size Jets Serial No. Weight R.P.M. Ft. Drilled Hrs. Feet Reamed Hrs. CONDITION										Stand		
Derrick	<u>ALAN LINDSEY</u>	8	12 1/2 IN. 4 IN. 2 1/2 42211 45 100 20 3 1/2										D. Collars		
Floor	<u>ALAN LINDSEY</u>	8	19 1/2 IN. 4 IN. 2 1/2 42211 45 100 20 3 1/2										Other Ft.		
Floor	<u>ALAN LINDSEY</u>	8											C.B. Ft.		
Floor	<u>ALAN LINDSEY</u>	8											Subs. Ft.		
Motor	<u>ALAN LINDSEY</u>	8											Feet Up On Kelly		
Mechanic													TOTAL		
Extra															
Injuries:															
Fires:															
MUD		12 Mm	2 am	4 am	6 am	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change				
WEIGHT												1			
VISCOSITY												2			
GEL												3			
PUMP		No. 1 Pres sure S.P.M.											4		
M		Liner Size Pres sure											5		
P		No. 2 Pres sure S.P.M.													
S		Liner Size													
W.L.		F.C.	PH.												

REMARKS	Start	Time	Interval
<u>1107-1-1</u>	<u>11:00</u>	<u>11:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:10</u>	<u>11:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:20</u>	<u>11:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:30</u>	<u>11:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:40</u>	<u>11:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:50</u>	<u>12:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:00</u>	<u>12:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:10</u>	<u>12:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:20</u>	<u>12:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:30</u>	<u>12:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:40</u>	<u>12:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:50</u>	<u>1:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:00</u>	<u>1:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:10</u>	<u>1:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:20</u>	<u>1:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:30</u>	<u>1:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:40</u>	<u>1:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:50</u>	<u>2:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:00</u>	<u>2:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:10</u>	<u>2:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:20</u>	<u>2:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:30</u>	<u>2:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:40</u>	<u>2:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:50</u>	<u>3:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:00</u>	<u>3:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:10</u>	<u>3:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:20</u>	<u>3:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:30</u>	<u>3:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:40</u>	<u>3:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:50</u>	<u>4:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:00</u>	<u>4:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:10</u>	<u>4:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:20</u>	<u>4:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:30</u>	<u>4:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:40</u>	<u>4:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:50</u>	<u>5:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:00</u>	<u>5:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:10</u>	<u>5:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:20</u>	<u>5:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:30</u>	<u>5:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:40</u>	<u>5:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:50</u>	<u>6:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:00</u>	<u>6:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:10</u>	<u>6:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:20</u>	<u>6:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:30</u>	<u>6:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:40</u>	<u>6:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:50</u>	<u>7:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:00</u>	<u>7:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:10</u>	<u>7:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:20</u>	<u>7:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:30</u>	<u>7:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:40</u>	<u>7:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:50</u>	<u>8:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:00</u>	<u>8:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:10</u>	<u>8:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:20</u>	<u>8:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:30</u>	<u>8:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:40</u>	<u>8:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:50</u>	<u>9:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:00</u>	<u>9:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:10</u>	<u>9:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:20</u>	<u>9:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:30</u>	<u>9:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:40</u>	<u>9:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:50</u>	<u>10:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:00</u>	<u>10:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:10</u>	<u>10:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:20</u>	<u>10:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:30</u>	<u>10:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:40</u>	<u>10:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:50</u>	<u>11:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:00</u>	<u>11:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:10</u>	<u>11:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:20</u>	<u>11:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:30</u>	<u>11:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:40</u>	<u>11:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:50</u>	<u>12:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:00</u>	<u>12:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:10</u>	<u>12:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:20</u>	<u>12:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:30</u>	<u>12:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:40</u>	<u>12:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:50</u>	<u>1:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:00</u>	<u>1:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:10</u>	<u>1:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:20</u>	<u>1:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:30</u>	<u>1:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:40</u>	<u>1:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:50</u>	<u>2:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:00</u>	<u>2:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:10</u>	<u>2:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:20</u>	<u>2:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:30</u>	<u>2:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:40</u>	<u>2:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:50</u>	<u>3:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:00</u>	<u>3:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:10</u>	<u>3:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:20</u>	<u>3:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:30</u>	<u>3:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:40</u>	<u>3:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:50</u>	<u>4:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:00</u>	<u>4:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:10</u>	<u>4:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:20</u>	<u>4:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:30</u>	<u>4:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:40</u>	<u>4:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:50</u>	<u>5:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:00</u>	<u>5:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:10</u>	<u>5:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:20</u>	<u>5:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:30</u>	<u>5:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:40</u>	<u>5:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:50</u>	<u>6:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:00</u>	<u>6:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:10</u>	<u>6:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:20</u>	<u>6:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:30</u>	<u>6:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:40</u>	<u>6:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>6:50</u>	<u>7:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:00</u>	<u>7:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:10</u>	<u>7:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:20</u>	<u>7:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:30</u>	<u>7:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:40</u>	<u>7:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>7:50</u>	<u>8:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:00</u>	<u>8:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:10</u>	<u>8:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:20</u>	<u>8:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:30</u>	<u>8:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:40</u>	<u>8:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>8:50</u>	<u>9:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:00</u>	<u>9:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:10</u>	<u>9:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:20</u>	<u>9:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:30</u>	<u>9:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:40</u>	<u>9:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>9:50</u>	<u>10:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:00</u>	<u>10:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:10</u>	<u>10:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:20</u>	<u>10:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:30</u>	<u>10:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:40</u>	<u>10:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>10:50</u>	<u>11:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:00</u>	<u>11:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:10</u>	<u>11:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:20</u>	<u>11:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:30</u>	<u>11:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:40</u>	<u>11:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>11:50</u>	<u>12:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:00</u>	<u>12:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:10</u>	<u>12:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:20</u>	<u>12:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:30</u>	<u>12:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:40</u>	<u>12:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>12:50</u>	<u>1:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:00</u>	<u>1:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:10</u>	<u>1:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:20</u>	<u>1:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:30</u>	<u>1:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:40</u>	<u>1:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>1:50</u>	<u>2:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:00</u>	<u>2:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:10</u>	<u>2:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:20</u>	<u>2:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:30</u>	<u>2:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:40</u>	<u>2:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>2:50</u>	<u>3:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:00</u>	<u>3:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:10</u>	<u>3:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:20</u>	<u>3:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:30</u>	<u>3:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:40</u>	<u>3:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>3:50</u>	<u>4:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:00</u>	<u>4:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:10</u>	<u>4:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:20</u>	<u>4:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:30</u>	<u>4:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:40</u>	<u>4:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>4:50</u>	<u>5:00</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:00</u>	<u>5:10</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:10</u>	<u>5:20</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:20</u>	<u>5:30</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:30</u>	<u>5:40</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:40</u>	<u>5:50</u>	<u>10</u>
<u>1107-1-1</u>	<u>5:50</u>	<u>6:00</u> </	

THOMSON DRELLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION *Arroyo 1137 - 60721 15* AREA *Front Range* DATE *May 19* 19

REMARKS

	Time
Start	Stop Interval

[illegible]

Company Time	Cont's Time
10:00	10:00
10:15	10:15
10:30	10:30
10:45	10:45
11:00	11:00
11:15	11:15
11:30	11:30
11:45	11:45
12:00	12:00
12:15	12:15
12:30	12:30
12:45	12:45
1:00	1:00
1:15	1:15
1:30	1:30
1:45	1:45
2:00	2:00
2:15	2:15
2:30	2:30
2:45	2:45
3:00	3:00
3:15	3:15
3:30	3:30
3:45	3:45
4:00	4:00
4:15	4:15
4:30	4:30
4:45	4:45
5:00	5:00
5:15	5:15
5:30	5:30
5:45	5:45
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6:15	6:15
6:30	6:30
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7:00	7:00
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7:30	7:30
7:45	7:45
8:00	8:00
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8:30	8:30
8:45	8:45
9:00	9:00
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1:45	1:45
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6:45	6:45
7:00	7:00
7:15	7:15
7:30	7:30
7:45	7:45
8:00	8:00
8:15	8:15
8:30	8:30
8:45	8:45
9:00	9:00
9:15	9:15
9:30	9:30
9:45	9:45
10:00	10:00
10:15	10:15
10:30	10:30
10:4	

[illegible]

Company Time	Cont'r Time												
1116 328 & 1302 328 TO 1302 1116	<table border="1"> <tr> <td>8⁰⁰</td> <td>8⁰⁰</td> <td>16⁰⁰</td> </tr> <tr> <td>8⁰⁰</td> <td>10⁰⁰</td> <td>18⁰⁰</td> </tr> <tr> <td>1⁰⁰</td> <td>4⁰⁰</td> <td>5⁰⁰</td> </tr> <tr> <td></td> <td></td> <td>8⁰⁰</td> </tr> </table>	8 ⁰⁰	8 ⁰⁰	16 ⁰⁰	8 ⁰⁰	10 ⁰⁰	18 ⁰⁰	1 ⁰⁰	4 ⁰⁰	5 ⁰⁰			8 ⁰⁰
8 ⁰⁰	8 ⁰⁰	16 ⁰⁰											
8 ⁰⁰	10 ⁰⁰	18 ⁰⁰											
1 ⁰⁰	4 ⁰⁰	5 ⁰⁰											
		8 ⁰⁰											

[illegible]

DRILL	400	512	114
SUB. & ELEV.	515	510	1
DRILL	531	730	2
CIRC. TO COMMISSION HALL	730	1145	4
DRILL S. RILEY	1145	1210	6
TOTAL			
Company Time	Cont's Time		

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time

Mrs.

Toolpusher

B.O.P. Test-Operated

Time

Results

Total Company Time

Hrs.

Approved by _____

Totco Ring on Bit No. _____		D.P. Calipered Date _____		Results _____		From Pipe Rack _____		Total Contractor Time _____ Hrs.		Toolpusher <u>J. Davis</u>	
B.O.P. Test-Operated _____		Time _____		Results _____		Total Company Time _____ Hrs.		Approved by _____			

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION Arroyo No. 7-10-11-15 AREA 7-10-11-15 DATE 4-10-19

REMARKS

Start	Time Stop	Interval
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Tour - Midnight - 8 a.m.		From	Footage	To	Loss on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		COAL	Standards			
Specify actual hours worked	Hrs.	6136	71	6217	4 1/2	1100	No.	O.D.	I.D.	Wt.				20-4	2031			
Driller	ARTH STUART	9	B		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Four Reamed	Hrs.	CONDITION		
Derrick	CHRIS ROETH	9	I		15	2 1/2	X 1 1/2	7/16	520-1	49	110	11	9			D Collars		
Floor	ABBEY MAY	9	S													Driver Ft.		
Floor					MUD				12 Mn	2 a.m.	4 a.m.	6 a.m.	Additives	At Surface Depth	MOTOR HOURS	Next Oil Charge		
Floor					WEIGHT												Subs. Ft.	
Motor	BOB HILL	9			VISCOSITY												Ft. Dr. On Kelly	
Mechanic					GEL												TOTAL	
Extra			P		No. 1	Pressure											6217	
Injuries			U		Model	S.P.M.												
Fires			M			Liner Size				Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Shp	Feet of Cut	Feet Left on Spool	
			P		No. 2	Pressure												
			S		Model	S.P.M.				General								
						Liner Size												
					W.L.				F.C.				pH					

Company Time	Cont'r Time
10:00	10:00
10:15	10:15
10:30	10:30
10:45	10:45
11:00	11:00
11:15	11:15
11:30	11:30
11:45	11:45
12:00	12:00
12:15	12:15
12:30	12:30
12:45	12:45
13:00	13:00
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13:45	13:45
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17:30	17:30
17:45	17:45
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18:15	18:15
18:30	18:30
18:45	18:45
19:00	19:00
19:15	19:15
19:30	19:30
19:45	19:45
20:00	20:00
20:15	20:15
20:30	20:30
20:45	20:45
21:00	21:00
21:15	21:15
21:30	21:30
21:45	21:45
22:00	22:00
22:15	22:15
22:30	22:30
22:45	22:45
23:00	23:00
23:15	23:15
23:30	23:30
23:45	23:45
24:00	24:00

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked

Hrs

From	Footage	To	Hrs on Bottom	Wt. Drill String (1000lbs)	No.	G.D.	I.D.	Avg	FUEL	WATER	COAL	Stand
6217	130	6346	132m	72	5	18	55					5658.50
No.	Size	Type	Size Jats	Serial No.	Weight	R.P.M.	Ft Drilled	Hrs	Feet Reamed	Hrs.	CONDITION	D. Collars
15	5 3/4	116	12	54031	4550	103	211	11 1/4				696.43
												Other Ft
												C.B. Ft
MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surface Degree			MOTOR HOURS		Next Oil Change	Subs Ft
WEIGHT	102	100	100	100	45 lbs GEL	24			1			6.98
VISCOSITY	120	100	100	100	1				2			19 On
GEL					1				3			37
No. 1	Pressure				1				4			TOTAL
Model	S.P.M.	1100							5			6346
No. 2	Liner Size	33										
Model	Pressure											
	S.P.M.											
	Liner Size											
General												Notes
CLOSE HYDRAULIC + 1/2 INCH												

[illegible]

Tour -- 4 p.m. to Midnight

Specify actual hours worked

Mrs.

From	Footage	To	Hrs. On Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS				FUEL	WATER		COAL	Stands				
					No.	O.D.	I.D.	Wgt.		Gals.	Hrs.	Tons	Singles				
													D. Collars				
													Other Ft				
													Cut Ft				
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION						
1	11 3/4	SS 10-1		589155													
MUD					4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives			At Surface Degree	MOTOR HOURS	Next Oil Change			
WEIGHT																	Subs Ft
VISCOSITY																	Ft. Up On
GEL																	Kelly
No. 1	Pressure																
Model	S.P.M.																
	Liner Size																
No. 2	Pressure																
Model	S.P.M.																
	Liner Size																
Size					TRIPS	No Lines	TON MILES	TOTAL MILES	Shp	Feet of	Cut	Feet Left on Spool	Next Shp				
General														CHECK RAIND TANKS		MOTOR OIL 7 1/2	
WL	F.C.	pH															

CODE	SAMPLE	TIME	DATE	TIME
	SURVEY	15	30	1
	SET UP	30	30	2
	SET UP + 5 LINES	30	10	1
	SET UP + 5 LINES	30	11	1
	SET UP + 5 LINES	30	12	2
	TOTAL			

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time

Mrs

Toolpusher

B.O.P. Test-Operated

Time

Results

Total Company Time

Hrs

Approved by _____

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION OTC 101 11-4-81 AREA 101 DATE 11-4-81 19

REMARKS

Start	Stop	Interval
-------	------	----------

[illegible][illegible]

Tour - 8 a.m. to 4 p.m.

Specify actual hours worked

Hrs.

Driller	GEORGE WILSON	12
Derrick	WILSON	12
Floor	JOHN THOMAS	12
Floor		
Floor	CHRIS RANFILL	7
Motor	WILSON	12
Mechanic	REG MCGILLIS	5
Extra		
Injuries	JOHN WILSON	
Fires	220-665-758	

BITS	No.	Size	Type	Size Jaws	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION						
	12	6 3/4	111	2	WILSON	30.35	110	102	7 1/2									
MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives			At Surveys (Degree)	MOTOR HOURS		Next Oil Change							
					5 PER-CAL 35			216	4	1								
					CAUSTIC 2					2								
					WATER-SOL 2					3								
PUMP	GEL				1 PRWD 5					4								
	No. 1	Pressure									5							
	Model	S.P.M.																
		Liner Size																
PUMP	No. 2	Pressure							Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or	Cut	Feet Left on Spool	Next Stop
	Model	S.P.M.																
		Liner Size																
PUMP	W.L.	F.C.	pH.															

Company Time	Cont'r Time
11:00	11:00
11:15	11:15
11:30	11:30
11:45	11:45
12:00	12:00
12:15	12:15
12:30	12:30
12:45	12:45
1:00	1:00
1:15	1:15
1:30	1:30
1:45	1:45
2:00	2:00
2:15	2:15
2:30	2:30
2:45	2:45
3:00	3:00
3:15	3:15
3:30	3:30
3:45	3:45
4:00	4:00
4:15	4:15
4:30	4:30
4:45	4:45
5:00	5:00
5:15	5:15
5:30	5:30
5:45	5:45
6:00	6:00
6:15	6:15
6:30	6:30
6:45	6:45
7:00	7:00
7:15	7:15
7:30	7:30
7:45	7:45
8:00	8:00
8:15	8:15
8:30	8:30
8:45	8:45
9:00	9:00
9:15	9:15
9:30	9:30
9:45	9:45
10:00	10:00
10:15	10:15
10:30	10:30
10:45	10:45
11:00	11:00
11:15	11:15
11:30	11:30
11:45	11:45
12:00	12:00
12:15	12:15
12:30	12:30
12:45	12:45
1:00	1:00
1:15	1:15
1:30	1:30
1:45	1:45
2:00	2:00
2:15	2:15
2:30	2:30
2:45	2:45
3:00	3:00
3:15	3:15
3:30	3:30
3:45	3:45
4:00	4:00
4:15	4:15
4:30	4:30
4:45	4:45
5:00	5:00
5:15	5:15
5:30	5:30
5:45	5:45
6:00	6:00
6:15	6:15
6:30	6:30
6:45	6:45
7:00	7:00
7:15	7:15
7:30	7:30
7:45	7:45
8:00	8:00
8:15	8:15
8:30	8:30
8:45	8:45
9:00	9:00
9:15	9:15
9:30	9:30
9:45	9:45
10:00	10:00
10:15	10:15
10:30	10:30
10:45	10:45
11:00	11:00
11:15	11:15
11:30	11:30
11:45	11:45
12:00	12:00
12:15	12:15
12:30	12:30
12:45	12:45
1:00	1:00
1:15	1:15
1:30	1:30
1:45	1:45
2:00	2:00
2:15	2:15
2:30	2:30
2:45	2:45
3:00	3:00
3:15	3:15
3:30	3:30
3:45	3:45
4:00	4:00
4:15	4:15
4:30	4:30
4:45	4:45
5:00	5:00
5:15	5:15
5:30	5:30
5:45	5:45
6:00	6:00
6:15	6:15
6:30	6:30
6:45	6:45
7:00	7:00
7:15	7:15
7:30	7:30
7:45	7:45
8:00	8:00
8:15	8:15
8:30	8:30
8:45	8:45
9:00	9:00
9:15	9:15
9:30	9:30
9:45	9:45
10:00	10:00
10:15	10:15
10:30	10:30
10:45	10:45
11:00	11:00
11:15	11:15
11:30	11:30
11:4	

Tour — 4 p.m. to Midnight

Specify actual hours worked

Hrs.

[illegible]

	7 ⁰⁰	7 ¹⁵	7 ³⁰
Arrive at office			
Leave office	7 ¹⁵	7 ³⁰	8 ⁰⁰
Lunch	7 ³⁰	7 ⁴⁵	8 ⁰⁰
Home	8 ⁰⁰	8 ¹⁵	8 ³⁰
Sleep	8 ³⁰	9 ⁰⁰	9 ³⁰
Total	9 ⁰⁰	9 ³⁰	10 ⁰⁰
TOTAL			
Company Time			
Cont'r Time			

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time

Hrs.

Teolousher

B.O.P. Test-Operated

Time

Results

Total Company Time

Hrs.

Approved by



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No.	LOCATION	AREA	DATE	19	REMARKS	Start	Time Stop	Interval											
Tour - Midnight - 8 a.m.																			
Specify actual hours worked		Hrs.																	
Driller	Spec. Hours	Hrs.																	
Derrick	Spec. Hours	Hrs.																	
Floor	Spec. Hours	Hrs.																	
Floor	Spec. Hours	Hrs.																	
Floor	Spec. Hours	Hrs.																	
Motor	Spec. Hours	Hrs.																	
Mechanic	Spec. Hours	Hrs.																	
Extra	Spec. Hours	Hrs.																	
Injuries:																			
Fires:																			
From		Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS	FUEL	WATER	COAL	Stands									
No.		Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION							
MUD		12 Mm	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change								
WEIGHT		1.7		9.9		1.1		1.1		1.1		1.1							
VISCOSITY		10		16		92		72		10		72							
GEL		1.0		1.0		1.0		1.0		1.0		1.0							
PUMP		No. 1	Pres. sure	S.P.M.		Liner Size		Size		TRIPS	No. Lines	TON MILES	TOTAL MILES	Ship	Feet of	Cut	Feet Left on Spool	Next Ship	
M		No. 2	Pres. sure	S.P.M.		Liner Size		General											
P		Model	S.P.M.	Liner Size		General													
S		Model	S.P.M.	Liner Size		General													
W.L.		F.C.		pH		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
Tour - 8 a.m. to 4 p.m.									Company Time		Cont'r Time								
Specify actual hours worked		Hrs.																	
Driller	Spec. Hours	Hrs.																	
Derrick	Spec. Hours	Hrs.																	
Floor	Spec. Hours	Hrs.																	
Floor	Spec. Hours	Hrs.																	
Floor	Spec. Hours	Hrs.																	
Motor	Spec. Hours	Hrs.																	
Mechanic	Spec. Hours	Hrs.																	
Extra	Spec. Hours	Hrs.																	
Injuries:																			
Fires:																			
From		Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS	FUEL	WATER	COAL	Stands									
No.		Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION							
MUD		8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change								
WEIGHT		1.7		1.8		1.8		1.8		1.8		1.8							
VISCOSITY		15		15		15		15		15		15							
GEL		1.0		1.0		1.0		1.0		1.0		1.0							
PUMP		No. 1	Pres. sure	S.P.M.		Liner Size		Size		TRIPS	No. Lines	TON MILES	TOTAL MILES	Ship	Feet of	Cut	Feet Left on Spool	Next Ship	
M		No. 2	Pres. sure	S.P.M.		Liner Size		General											
P		Model	S.P.M.	Liner Size		General													
S		Model	S.P.M.	Liner Size		General													
W.L.		F.C.		pH		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
Tour - 4 p.m. to Midnight									Company Time		Cont'r Time								
Specify actual hours worked		Hrs.																	
Driller	Spec. Hours	Hrs.																	
Derrick	Spec. Hours	Hrs.																	
Floor	Spec. Hours	Hrs.																	
Floor	Spec. Hours	Hrs.																	
Floor	Spec. Hours	Hrs.																	
Motor	Spec. Hours	Hrs.																	
Mechanic	Spec. Hours	Hrs.																	
Extra	Spec. Hours	Hrs.																	
Injuries:																			
Fires:																			
From		Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS	FUEL	WATER	COAL	Stands									
No.		Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION							
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree		MOTOR HOURS		Next Oil Change								
WEIGHT		2.7		2.7		12		12		12		12							
VISCOSITY		52		60		123		120		120		120							
GEL		1.0		1.0		1.0		1.0		1.0		1.0							
PUMP		No. 1	Pres. sure	S.P.M.		Liner Size		Size		TRIPS	No. Lines	TON MILES	TOTAL MILES	Ship	Feet of	Cut	Feet Left on Spool	Next Ship	
M		No. 2	Pres. sure	S.P.M.		Liner Size		General											
P		Model	S.P.M.	Liner Size		General													
S		Model	S.P.M.	Liner Size		General													
W.L.		F.C.		pH		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
TOTAL									Company Time		Cont'r Time								

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time

Hrs.

Toolpusher

B.O.P. Test-Operated

Time

Results

Total Company Time

Hrs.

Approved by

Approved by _____



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION AREA DATE 1973

Tour -- Midnight - 8 a.m.
Specify actual hours worked Hrs. 11:22 to 11:18 1 1/2
Driller BILL REICH
Derrick JOHN S. HARVEY
Floor HARD STANDING
Floor HARRY BOND
Motor HARRY BOND
Mechanic
Extra
Injuries
Fires

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS	FUEL	WATER	COAL			
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
1	7 1/2	11 1/2	11 1/2	205884	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2

MUD
WEIGHT
VISCOSITY
GEL
PUMP
MOTOR
S

At Surveyors Desk	MOTOR HOURS	Next Oil Change
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

General

REMARKS

Start	Stop	Interval
11:22	11:18	1 1/2

Company Time Cont'r Time

Tour - 8 a.m. to 4 p.m.
Specify actual hours worked Hrs. 11:22 to 11:18 1 1/2
Driller KEITH STUART
Derrick CHARLES KASSIN
Floor EDWARD HAY
Floor HARVEY HAY
Motor JACOB HAY
Mechanic
Extra
Injuries
Fires

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS	FUEL	WATER	COAL			
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
1	10 1/2	11 1/2	11 1/2	205884	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2

MUD
WEIGHT
VISCOSITY
GEL
PUMP
MOTOR
S

At Surveyors Desk	MOTOR HOURS	Next Oil Change
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

General

REMARKS

Start	Stop	Interval
11:22	11:18	1 1/2

Company Time Cont'r Time

Tour - 4 p.m. to Midnight
Specify actual hours worked Hrs. 4:48 to 4:52 2 1/2
Driller GEORGE WILKINSON
Derrick HARRY BOND
Floor JOHN HARRISON
Floor LARRY BOND
Motor LARRY BOND
Mechanic
Extra
Injuries
Fires

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS	FUEL	WATER	COAL			
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
1	10 1/2	11 1/2	11 1/2	205884	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2

MUD
WEIGHT
VISCOSITY
GEL
PUMP
MOTOR
S

At Surveyors Desk	MOTOR HOURS	Next Oil Change
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

General

REMARKS

Start	Stop	Interval
4:48	4:52	2 1/2

Company Time Cont'r Time



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE— Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No.	LOCATION	AREA	DATE	19	REMARKS	Start	Time	Stop	Interval
Tour - Midnight - 8 a.m.									
Specify actual hours worked Hrs. 11									
Driller	BILL KELLEY								
Derrick									
Floor									
Floor									
Floor									
Motor									
Mechanic									
Extra									
Injuries									
Fires									
Tour - 8 a.m. to 4 p.m.									
Specify actual hours worked Hrs. 8									
Driller	KEITH STUART								
Derrick	CHRIS KOSOTH								
Floor	ED MAY								
Floor	HARVEY MAY								
Floor									
Motor	JACK HINE								
Mechanic									
Extra									
Injuries									
Fires									
Tour - 4 p.m. to Midnight									
Specify actual hours worked Hrs. 8									
Driller	GEORGE WILKINSON								
Derrick	ERRY, EDITH								
Floor	JACK THAMON								
Floor	EDITH BIRD								
Floor									
Motor	HARRY ALKALL								
Mechanic									
Extra									
Injuries									
Fires									

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time

Hrs.

Toolmaster

B.O.P. Test-Operated

Time

Results

Total Company Time

Hrs.

Approved By

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1 LOCATION Alameda Island, San Francisco Bay AREA 14 DATE 10/15/54 1954

REMARKS

Time	Start	Stop	Interval
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Tour — Midnight - 8 a.m.

Specify actual hours worked

Hrs.

From		Footage		To	Max On Bottom	Drill Collaps Wt (Including Mud)	FUEL	WATER	COAL	Status	
						Tot	Gall	Lbs	Lbs	Samples	
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Feet Drilled	Days	Running	Days	CONDITION
										D. Clogs	
										Other Ft	
										C & F	
MUD											
12 Mo		2 ym	4 ym	6 ym	Additive			At Surface	MOT. IN HOLES	Next Oil Change	
WEIGHT										Start Ft	
VISCOSITY										Ft Up On	
Gel										Kelly	
No. 1	Prec Sure									TOTAL	
Model	S.P.E.L.										
	Liner Size										
No. 2	Prec Sure										
Model	S.P.M.										
	Liner Size										
						Size	TRIPS	No Lines	TON MILES	TOTAL OIL	
						Slip	Feet at	Cost	Feet Left on Spool	Next Slip	
						General CHECK BLIND RAMS & MOTOR SHUT OFF'S					
W.C.		F.C.		pH							

Company Time

Cont'r Time

Tour - 8 a.m. to 4 p.m.

Specify actual hours worked

Hrs

From	Footage	To	Hrs. on Bottom	Wt. Drill string (1000 lbs.)	No.	O.D.	I.D.	Wgt.	Feet	Water	Coal	Sticks																																																																																																		
4/22	146	447	5 1/2	1001	2	22	22	55	146	0	0	0																																																																																																		
B	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Feet Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION																																																																																																		
I	8	7/8	4 1/2	5/16	1172	40	100	146	5 1/2																																																																																																					
T																																																																																																														
S																																																																																																														
<table border="1"> <tr> <td rowspan="2">MUD</td> <td>8 a.m.</td> <td>10 a.m.</td> <td>12 Noon</td> <td>2 p.m.</td> <td rowspan="2">Additives</td> <td>At Surveyors Table</td> <td>MOTOR HOURS</td> <td>Next Oil Change</td> </tr> <tr> <td>7:00</td> <td>7:00</td> <td>7:00</td> <td>7:00</td> <td>362</td> <td>40</td> <td>1</td> <td></td> </tr> <tr> <td>WEIGHT</td> <td>70</td> <td>70</td> <td>70</td> <td>70</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>VISCOSITY</td> <td>30</td> <td>35</td> <td>40</td> <td>40</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>GEL</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>No. 1</td> <td>Pressure</td> <td>1400</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Model</td> <td>S.P.M.</td> <td>650</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Linear Size</td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>No. 2</td> <td>Pressure</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Model</td> <td>S.P.M.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Linear Size</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>													MUD	8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveyors Table	MOTOR HOURS	Next Oil Change	7:00	7:00	7:00	7:00	362	40	1		WEIGHT	70	70	70	70					VISCOSITY	30	35	40	40					GEL									No. 1	Pressure	1400							Model	S.P.M.	650								Linear Size	20							No. 2	Pressure								Model	S.P.M.									Linear Size							
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Company Time

Cont'r Time

Tour - 4 p.m. to Midnight

Specify actual hours worked

Hrs

From	Footage	To	Hrs on Bottom	Wt. Drill String (1000lbs.)	No.	O.D.	I.D.	Wgt.	FUEL	Wt. WATER	COAL	Stands	
4470	135	4600	54	1000	42							Singles	
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars	
2	1 1/2	K.W.	3/8	50452	90		10	12				60	
												Other Ft.	
												C.B. Ft.	
MUD				4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives		At Survey's Expense		MOTOR HOURS	Next Oil Change
WEIGHT				11	11	11	11					1	
VISCOSITY				11	11	11	11					2	
GEL												3	
No. 1	Pre-sure											4	
Model	5 P.M.											5	
No. 2	Liner Size												
Model	Pre-sure												
	5 P.M.												
	Liner Size												
Size	THIPS	No. Lines	TON MILES	TOTAL MILES	Spd	Feet of Cut	Feet Left on Spool	Next Stop					
General													
W.L.	F.C.	D.M.											

Category	Value
1	100
2	200
3	300
4	400
5	500
6	600
7	700
8	800
9	900
10	1000
TOTAL	5500

Company Time

Cont't Time

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time

1-474.

Toolpusher

B.O.P. Test-Operated

Time

Results

Total Company Time

Mrs.

Approved by _____



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE— Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION 7.11.11 AREA DATE 19 78

Tour - Midnight - 8 a.m.	
Specify actual hours worked	
Driller	GEORGE WILKINS
Derrick	HARRY BARKER
Floor	JOHN THOMPSON
Floor	LARRY BARKER
Floor	
Motor	GEORGE WILKINS
Mechanic	
Extra	
Injuries:	
Fires:	

From	Footage	To	Hrs on Bottom	Wt Drill String (1000lbs)	DRILL COLLARS	WATER	COAL	Stands							
3483	45	3751	2 1/2	18	8 1/2										
No	Size	Type	Size Jets	Serial No	Weight	R.P.M.	Ft. Drilled	Feet Reamed	Hrs	CONDITION					
B	55	5/8" STAIN	4-11	257106	40	100	440	174		5-8-7					
I															
T															
S	6	5/8" STAIN	3-11	257106	40	100	31								
MUD				Additives		At Surface Degree		MOTOR HOURS		Next Oil Change					
WEIGHT						3100 2g		1							
VISCOSITY								2							
GEL								3							
No. 1 Pres sure								4							
Model S.P.M.								5							
Liner Size															
No. 2 Pres sure															
Model S.P.M.															
Liner Size															
W.L.				F.C.		pH									
Size				TRIPS		No. Lines		TON MILES		TOTAL M.L.	Slip	Feet on Spool	Cut	Feet Left on Spool	Next Slip
General CHECK BLIND RAMS + MOTOR SHUT OFFS.															

REMARKS	Start	Time	Interval
DRILL	16:00	17:00	1
DRILL	17:00	18:00	1
DRILL	18:00	19:00	1
DRILL	19:00	20:00	1
DRILL	20:00	21:00	1
DRILL	21:00	22:00	1
DRILL	22:00	23:00	1
DRILL	23:00	24:00	1
DRILL	24:00	25:00	1
DRILL	25:00	26:00	1
DRILL	26:00	27:00	1
DRILL	27:00	28:00	1
DRILL	28:00	29:00	1
DRILL	29:00	30:00	1
DRILL	30:00	31:00	1
DRILL	31:00	32:00	1
DRILL	32:00	33:00	1
DRILL	33:00	34:00	1
DRILL	34:00	35:00	1
DRILL	35:00	36:00	1
DRILL	36:00	37:00	1
DRILL	37:00	38:00	1
DRILL	38:00	39:00	1
DRILL	39:00	40:00	1
DRILL	40:00	41:00	1
DRILL	41:00	42:00	1
DRILL	42:00	43:00	1
DRILL	43:00	44:00	1
DRILL	44:00	45:00	1
DRILL	45:00	46:00	1
DRILL	46:00	47:00	1
DRILL	47:00	48:00	1
DRILL	48:00	49:00	1
DRILL	49:00	50:00	1
DRILL	50:00	51:00	1
DRILL	51:00	52:00	1
DRILL	52:00	53:00	1
DRILL	53:00	54:00	1
DRILL	54:00	55:00	1
DRILL	55:00	56:00	1
DRILL	56:00	57:00	1
DRILL	57:00	58:00	1
DRILL	58:00	59:00	1
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DRILL	61:00	62:00	1
DRILL	62:00	63:00	1
DRILL	63:00	64:00	1
DRILL	64:00	65:00	1
DRILL	65:00	66:00	1
DRILL	66:00	67:00	1
DRILL	67:00	68:00	1
DRILL	68:00	69:00	1
DRILL	69:00	70:00	1
DRILL	70:00	71:00	1
DRILL	71:00	72:00	1
DRILL	72:00	73:00	1
DRILL	73:00	74:00	1
DRILL	74:00	75:00	1
DRILL	75:00	76:00	1
DRILL	76:00	77:00	1
DRILL	77:00	78:00	1
DRILL	78:00	79:00	1
DRILL	79:00	80:00	1
DRILL	80:00	81:00	1
DRILL	81:00	82:00	1
DRILL	82:00	83:00	1
DRILL	83:00	84:00	1
DRILL	84:00	85:00	1
DRILL	85:00	86:00	1
DRILL	86:00	87:00	1
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DRILL	88:00	89:00	1
DRILL	89:00	90:00	1
DRILL	90:00	91:00	1
DRILL	91:00	92:00	1
DRILL	92:00	93:00	1
DRILL	93:00	94:00	1
DRILL	94:00	95:00	1
DRILL	95:00	96:00	1
DRILL	96:00	97:00	1
DRILL	97:00	98:00	1
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DRILL	104:00	105:00	1
DRILL	105:00	106:00	1
DRILL	106:00	107:00	1
DRILL	107:00	108:00	1
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DRILL	110:00	111:00	1
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DRILL	112:00	113:00	1
DRILL	113:00	114:00	1
DRILL	114:00	115:00	1
DRILL	115:00	116:00	1
DRILL	116:00	117:00	1
DRILL	117:00	118:00	1
DRILL	118:00	119:00	1
DRILL	119:00	120:00	1
DRILL	120:00	121:00	1
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DRILL	125:00	126:00	1
DRILL	126:00	127:00	1
DRILL	127:00	128:00	1
DRILL	128:00	129:00	1
DRILL	129:00	130:00	1
DRILL	130:00	131:00	1
DRILL	131:00	132:00	1
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DRILL	133:00	134:00	1
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DRILL	136:00	137:00	1
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DRILL	182:00	183:00	1
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DRILL	184:00	185:00	1
DRILL	185:00	186:00	1
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DRILL	187:00	188:00	1
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DRILL	189:00	190:00	1
DRILL	190:00	191:00	1
DRILL	191:00	192:00	1
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DRILL	193:00	194:00	1
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DRILL	195:00	196:00	1
DRILL	196:00	197:00	1
DRILL	197:00	198:00	1
DRILL	198:00	199:00	1
DRILL	199:00	200:00	1
DRILL	200:00	201:00	1
DRILL	201:00	202:00	1
DRILL	202:00	203:00	1
DRILL	203:00	204:00	1
DRILL	204:00	205:00	1
DRILL	205:00	206:00	1
DRILL	206:00	207:00	1
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DRILL	214:00	215:00	1
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DRILL	216:00	217:00	1
DRILL	217:00	218:00	1
DRILL	218:00	219:00	1
DRILL	219:00	220:00	1
DRILL	220:00	221:00	1
DRILL	221:00	222:00	1
DRILL	222:00	223:00	1
DRILL	223:00	224:00	1
DRILL	224:00	225:00	1
DRILL	225:00	226:00	1
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DRILL	227:00	228:00	1
DRILL	228:00	229:00	1
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DRILL	230:00	231:00	1
DRILL	231:00	232:00	1
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DRILL	234:00	235:00	1
DRILL	235:00	236:00	1
DRILL	236:00	237:00	1
DRILL	237:00	238:00	1
DRILL	238:00	239:00	1
DRILL	239:00	240:00	1
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DRILL	241:00	242:00	1
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DRILL	243:00	244:00	1
DRILL	244:00	245:00	1
DRILL	245:00	246:00	1
DRILL	246:00	247:00	1
DRILL	247:00	248:00	1
DRILL	248:00	249:00	1
DRILL	249:00	250:00	1
DRILL	250:00	251:00	1
DRILL	251:00	252:00	1
DRILL	252:00	253:00	1
DRILL	253:00	254:00	1
DRILL	254:00	255:00	1
DRILL	255:00	256:00	1
DRILL	256:00	257:00	1
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DRILL	258:00	259:00	1
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DRILL	262:00	263:00	1
DRILL	263:00	264:00	1
DRILL	264:00	265:00	1
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DRILL	272:00	273:00	1
DRILL	273:00	274:00	1
DRILL	274:00	275:00	1
DRILL	275:00	276:00	1
DRILL	276:00	277:00	1
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DRILL	278:00	279:00	1
DRILL	279:00	280:00	1
DRILL	280:00	281:00	1
DRILL	281:00	282:00	1
DRILL	282:00	283:00	1
DRILL	283:00	284:00	1
DRILL	284:00	285:00	1
DRILL	285:00	286:00	1
DRILL	286:00	287:00	1
DRILL	287:00	288:00	1
DRILL	288:00	289:00	1
DRILL	289:00	290:00	1
DRILL	290:00	291:00	1
DRILL	291:00	292:00	1
DRILL	292:00	293:00	1
DRILL	293:00	294:00	1
DRILL	294:00	295:00	1
DRILL	295:00	296:00	1

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION JOHNSON TROUGH - N. 31° - 60-121-15 AREA TROUT 4112 DATE FEB 25 19 72

REMARKS

Start	Stop	Interval
-------	------	----------

[illegible]

REMARKS	Time		Interval
	Start	Stop	
11.16 DEB	12.00	12.15	15
11.26	12.15	12.30	15
3.00 DEB	12.30	12.45	15
11.15	12.45	1.00	15
11.15 5.00 DEB - T. H. H.	1.00	1.15	15
11.15 5.00 DEB - T. H. H.	1.15	1.30	15
11.15 5.00 DEB - T. H. H.	1.30	1.45	15
11.15 5.00 DEB - T. H. H.	1.45	1.55	10
11.15 5.00 DEB - T. H. H.	1.55	2.05	10
11.15 5.00 DEB - T. H. H.	2.05	2.15	10
11.15 5.00 DEB - T. H. H.	2.15	2.25	10
11.15 5.00 DEB - T. H. H.	2.25	2.35	10
11.15 5.00 DEB - T. H. H.	2.35	2.45	10
11.15 5.00 DEB - T. H. H.	2.45	2.55	10
11.15 5.00 DEB - T. H. H.	2.55	3.05	10
11.15 5.00 DEB - T. H. H.	3.05	3.15	10
11.15 5.00 DEB - T. H. H.	3.15	3.25	10
11.15 5.00 DEB - T. H. H.	3.25	3.35	10
11.15 5.00 DEB - T. H. H.	3.35	3.45	10
11.15 5.00 DEB - T. H. H.	3.45	3.55	10
11.15 5.00 DEB - T. H. H.	3.55	4.05	10
11.15 5.00 DEB - T. H. H.	4.05	4.15	10
11.15 5.00 DEB - T. H. H.	4.15	4.25	10
11.15 5.00 DEB - T. H. H.	4.25	4.35	10
11.15 5.00 DEB - T. H. H.	4.35	4.45	10
11.15 5.00 DEB - T. H. H.	4.45	4.55	10
11.15 5.00 DEB - T. H. H.	4.55	5.05	10
11.15 5.00 DEB - T. H. H.	5.05	5.15	10
11.15 5.00 DEB - T. H. H.	5.15	5.25	10
11.15 5.00 DEB - T. H. H.	5.25	5.35	10
11.15 5.00 DEB - T. H. H.	5.35	5.45	10
11.15 5.00 DEB - T. H. H.	5.45	5.55	10
11.15 5.00 DEB - T. H. H.	5.55	6.05	10
11.15 5.00 DEB - T. H. H.	6.05	6.15	10
11.15 5.00 DEB - T. H. H.	6.15	6.25	10
11.15 5.00 DEB - T. H. H.	6.25	6.35	10
11.15 5.00 DEB - T. H. H.	6.35	6.45	10
11.15 5.00 DEB - T. H. H.	6.45	6.55	10
11.15 5.00 DEB - T. H. H.	6.55	7.05	10
11.15 5.00 DEB - T. H. H.	7.05	7.15	10
11.15 5.00 DEB - T. H. H.	7.15	7.25	10
11.15 5.00 DEB - T. H. H.	7.25	7.35	10
11.15 5.00 DEB - T. H. H.	7.35	7.45	10
11.15 5.00 DEB - T. H. H.	7.45	7.55	10
11.15 5.00 DEB - T. H. H.	7.55	8.05	10
11.15 5.00 DEB - T. H. H.	8.05	8.15	10
11.15 5.00 DEB - T. H. H.	8.15	8.25	10
11.15 5.00 DEB - T. H. H.	8.25	8.35	10
11.15 5.00 DEB - T. H. H.	8.35	8.45	10
11.15 5.00 DEB - T. H. H.	8.45	8.55	10
11.15 5.00 DEB - T. H. H.	8.55	9.05	10
11.15 5.00 DEB - T. H. H.	9.05	9.15	10
11.15 5.00 DEB - T. H. H.	9.15	9.25	10
11.15 5.00 DEB - T. H. H.	9.25	9.35	10
11.15 5.00 DEB - T. H. H.	9.35	9.45	10
11.15 5.00 DEB - T. H. H.	9.45	9.55	10
11.15 5.00 DEB - T. H. H.	9.55	10.05	10
11.15 5.00 DEB - T. H. H.	10.05	10.15	10
11.15 5.00 DEB - T. H. H.	10.15	10.25	10
11.15 5.00 DEB - T. H. H.	10.25	10.35	10
11.15 5.00 DEB - T. H. H.	10.35	10.45	10
11.15 5.00 DEB - T. H. H.	10.45	10.55	10
11.15 5.00 DEB - T. H. H.	10.55	11.05	10
11.15 5.00 DEB - T. H. H.	11.05	11.15	10
11.15 5.00 DEB - T. H. H.	11.15	11.25	10
11.15 5.00 DEB - T. H. H.	11.25	11.35	10
11.15 5.00 DEB - T. H. H.	11.35	11.45	10
11.15 5.00 DEB - T. H. H.	11.45	11.55	10
11.15 5.00 DEB - T. H. H.			

Tour - 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on bottom	Wt. Drill String (1000 lbs.)	No.	O.D.	I.D.	Wgt.	WATER	COAL	Gravel
Specify actual hours worked	Hrs.												
Driller	1	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Regman	Hrs.	CONDITION
Derrick	1												
Floor	1												
Floor	1												
Floor	1												
Motor	1												
Mechanic	1												
Extra	1												
Injuries:													
Fires:													

[illegible]

Tour - 4 p.m. to Midnight		From	Footage	To	Has on Bottom	Wt. Drill String (1000 lbs)	No.	O.D.	I.D.	Wgt.	FUEL	WATER	COAL	Stand	
Specify actual hours worked	Hrs.	7/17/74 1615 7/18 1600 1/2 17													3105
Driller	1	B. J. 216													D. Collins
Derrick	1	C. J. 216													Other Ft.
Floor	1	E. J. 216													C. J. 216
Floor	1	H. J. 216													
Floor	1	I. J. 216													
Motor	2	J. J. 216													
Mechanic		K. J. 216													
Extra		L. J. 216													
Injuries:		M. J. 216													
Fires:		N. J. 216													

Job	7 ⁰⁰	8 ⁰⁰	9 ⁰⁰
1000	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1001	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1002	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1003	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1004	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1005	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1006	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1007	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1008	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1009	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1010	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1011	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1012	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1013	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1014	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1015	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1016	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1017	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1018	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1019	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1020	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1021	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1022	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1023	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1024	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1025	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1026	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1027	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1028	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1029	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1030	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1031	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1032	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1033	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1034	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1035	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1036	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1037	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1038	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1039	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1040	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1041	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1042	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1043	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1044	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1045	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1046	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1047	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1048	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1049	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1050	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1051	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1052	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1053	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1054	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1055	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1056	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1057	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1058	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1059	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1060	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1061	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1062	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1063	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1064	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1065	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1066	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1067	5 ⁰⁰	5 ⁰⁰	1 ⁰⁰
1068			

Totco Ring on Bit No.

B.O.P. Test-Operated

D.P. Calipered Date

Time

Results

Results

From Pipe Rack

Total Contractor Time

1415.

Tegetmeister

Total Company Time.

.. Mrs.

Approved by _____

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE:- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

[illegible]

Totco Ring on Bit No.

B.O.P. Test-Operated

D.P. Calipered Date

Time

Results

Results

From Pipe Rack

Total Contractor Time

Total Company Time

Mrs.

... 1415,

Toolpusher.

Approved by _____



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE-- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION Atkinson Trucking Haul Road 15 AREA Trussville DATE 12-26 1975

Tour - Midnight - 8 a.m.		Specify actual hours worked		Hrs.
Driller	George W. H. H.	8		
Derrick	Harry B. H.	8		
Floor	John T. H.	8		
Floor	James B. H.	8		
Floor				
Motor	Harry H.	8		
Mechanic				
Extra				
Injuries				
Fires				

From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
	2180	256	2436	6	80	8	16	15	10			1748.5
B I T S												
No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars
3	7 3/4	116	2 1/4	20162	20 1/2	110	461	11 1/4				334 40
MUD												
WEIGHT		12 Mm	2 a.m.	4 a.m.	6 a.m.	Additives		At Surveys Degree		MOTOR HOURS		Next Oil Change
VISCOSITY		42 42 44										
GEL												
No. 1	Pres sure	1800 1300 1800										
Model	S.P.M.	65 65 65										
P U M P S												
No. 1	Liner Size											
No. 2	Pres sure											
Model	S.P.M.											
Liner Size												
W.L.	F.C.	pH										

REMARKS	Start	Time	Interval
1116 301	12:12		
1116 301	12:12	2	
1116 301	2:12	2	
1116 301	2:12	44	2 1/4
1116 301	4:12	2	
1116 301	6:12	1	
1116 301	8:12	1	
1116 301	10:12	1	
1116 301	12:12	1	
1116 301	14:12	1	
1116 301	16:12	1	
1116 301	18:12	1	
1116 301	20:12	1	
1116 301	22:12	1	
1116 301	24:12	1	
1116 301	26:12	1	
1116 301	28:12	1	
1116 301	30:12	1	
1116 301	32:12	1	
1116 301	34:12	1	
1116 301	36:12	1	
1116 301	38:12	1	
1116 301	40:12	1	
1116 301	42:12	1	
1116 301	44:12	1	
1116 301	46:12	1	
1116 301	48:12	1	
1116 301	50:12	1	
1116 301	52:12	1	
1116 301	54:12	1	
1116 301	56:12	1	
1116 301	58:12	1	
1116 301	60:12	1	
1116 301	62:12	1	
1116 301	64:12	1	
1116 301	66:12	1	
1116 301	68:12	1	
1116 301	70:12	1	
1116 301	72:12	1	
1116 301	74:12	1	
1116 301	76:12	1	
1116 301	78:12	1	
1116 301	80:12	1	
1116 301	82:12	1	
1116 301	84:12	1	
1116 301	86:12	1	
1116 301	88:12	1	
1116 301	90:12	1	
1116 301	92:12	1	
1116 301	94:12	1	
1116 301	96:12	1	
1116 301	98:12	1	
1116 301	100:12	1	
1116 301	102:12	1	
1116 301	104:12	1	
1116 301	106:12	1	
1116 301	108:12	1	
1116 301	110:12	1	
1116 301	112:12	1	
1116 301	114:12	1	
1116 301	116:12	1	
1116 301	118:12	1	
1116 301	120:12	1	
1116 301	122:12	1	
1116 301	124:12	1	
1116 301	126:12	1	
1116 301	128:12	1	
1116 301	130:12	1	
1116 301	132:12	1	
1116 301	134:12	1	
1116 301	136:12	1	
1116 301	138:12	1	
1116 301	140:12	1	
1116 301	142:12	1	
1116 301	144:12	1	
1116 301	146:12	1	
1116 301	148:12	1	
1116 301	150:12	1	
1116 301	152:12	1	
1116 301	154:12	1	
1116 301	156:12	1	
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1116 301	160:12	1	
1116 301	162:12	1	
1116 301	164:12	1	
1116 301	166:12	1	
1116 301	168:12	1	
1116 301	170:12	1	
1116 301	172:12	1	
1116 301	174:12	1	
1116 301	176:12	1	
1116 301	178:12	1	
1116 301	180:12	1	
1116 301	182:12	1	
1116 301	184:12	1	
1116 301	186:12	1	
1116 301	188:12	1	
1116 301	190:12	1	
1116 301	192:12	1	
1116 301	194:12	1	
1116 301	196:12	1	
1116 301	198:12	1	
1116 301	200:12	1	
1116 301	202:12	1	
1116 301	204:12	1	
1116 301	206:12	1	
1116 301	208:12	1	
1116 301	210:12	1	
1116 301	212:12	1	
1116 301	214:12	1	
1116 301	216:12	1	
1116 301	218:12	1	
1116 301	220:12	1	
1116 301	222:12	1	
1116 301	224:12	1	
1116 301	226:12	1	
1116 301	228:12	1	
1116 301	230:12	1	
1116 301	232:12	1	
1116 301	234:12	1	
1116 301	236:12	1	
1116 301	238:12	1	
1116 301	240:12	1	
1116 301	242:12	1	
1116 301	244:12	1	
1116 301	246:12	1	
1116 301	248:12	1	
1116 301	250:12	1	
1116 301	252:12	1	
1116 301	254:12	1	
1116 301	256:12	1	
1116 301	258:12	1	
1116 301	260:12	1	
1116 301	262:12	1	
1116 301	264:12	1	
1116 301	266:12	1	
1116 301	268:12	1	
1116 301	270:12	1	
1116 301	272:12	1	
1116 301	274:12	1	
1116 301	276:12	1	
1116 301	278:12	1	
1116 301	280:12	1	
1116 301	282:12	1	
1116 301	284:12	1	
1116 301	286:12	1	
1116 301	288:12	1	
1116 301	290:12	1	
1116 301	292:12	1	
1116 301	294:12	1	
1116 301	296:12	1	
1116 301	298:12	1	
1116 301	300:12	1	
1116 301	302:12	1	
1116 301	304:12	1	
1116 301	306:12	1	
1116 301	308:12	1	
1116 301	310:12	1	
1116 301	312:12	1	
1116 301	314:12	1	
1116 301	316:12	1	
1116 301	318:12	1	
1116 301	320:12	1	
1116 301	322:12	1	
1116 301	324:12	1	
1116 301	326:12	1	
1116 301	328:12	1	
1116 301	330:12	1	
1116 301	332:12	1	
1116 301	334:12	1	
1116 301	336:12	1	
1116 301	338:12	1	
1116 301	340:12	1	
1116 301	342:12	1	
1116 301	344:12	1	
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1116 301	348:12	1	
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1116 301	466:12	1	
1116 301	468:12	1	
1116 301	470:12	1	
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1116 301	474:12	1	
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1116 301	498:12	1	
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1116 301	550:12	1	
1116 301	552:12	1	
1116 301	554:12	1	
1116 301	556:12	1	
1116 301	558:12	1	
1116 301	560:12	1	
1116 301	562:12	1	
1116 301	564:12	1	
1116 301	566:12	1	
1116 301	568:12	1	
1116 301	570:12	1	
1116 301	572:12	1	
1116 30			

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION 47th and 5th AVE. NE, ALBUQUERQUE, NM AREA 1000' x 100' DATE 1-2-65 19 65

REMARKS

Time

[illegible][illegible]

Tour - 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER		COAL	Stands		
Specify actual hours worked	Hrs.						No.	O.D.	I.D.	Wgt.		Gals	Bbls	Tons	Singles		
Driller		B I T S	No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	D. Collars		
Derrick																Other Ft.	
Floor																C.B. Ft.	
Floor																	
Floor		MUD		8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives				At Surveys Degree		MOTOR HOURS		Next Oil Change	Subs. Ft.
Floor		WEIGHT															Ft. Up On Kelly
Motor		VISCOSITY															TOTAL
Mechanic		GEL															
Extra		P U M P S	No. 1	Pressure													
			Model	S.P.M.													
				Liner Size													
			No. 2	Pressure													
Injuries:			Model	S.P.M.													
				Liner Size													
			No. 2	Pressure													
			Model	S.P.M.													
				Liner Size													
Fires:		General		CHUCK DRILL BIT CHANGE MOTOR SHUT OFFS													

1	1230	42
2	1230	42
3	1230	42
4	1230	42
5	1230	42
6	1230	42
7	1230	42
8	1230	42
9	1230	42
10	1230	42
11	1230	42
12	1230	42
13	1230	42
14	1230	42
15	1230	42
16	1230	42
17	1230	42
18	1230	42
19	1230	42
20	1230	42
21	1230	42
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23	1230	42
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77	1230	42
78	1230	42
79	1230	42
80	1230	42
81	1230	42
82	1230	42
83	1230	42
84	1230	42
85	1230	42
86	1230	42
87	1230	42
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96	1230	42
97	1230	42
98	1230	42
99	1230	42
100	1230	42

[illegible][illegible]

Totco Ring on Bit No. _____		D.P. Calipered Date _____		Results _____		From Pipe Rack _____		Total Contractor Time _____ Hrs.		Toolpusher _____	
B.O.P. Test-Operated _____		Time _____		Results _____				Total Company Time _____ Hrs.		Approved by _____	

**THOMSON DRILLING****DAILY DRILLING REPORT****DAY WORK RECORD**

NOTE— Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 1262 LOCATION Area 100-10-11-15 DATE Feb 24 1971

Tour - Midnight - 8 a.m.	From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS	FUEL	WATER	COAL	Stands	
Specify actual hours worked						No. O.D. I.D. Wgt.					
Driller <u>Keith Smith</u>	B	No. Size Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
Derrick <u>Carl Smith</u>	I	1 1 1/2 X 1 1/2	2-10	53761	1045	200	1 1/2				
Floor <u>Ed Smith</u>	T										
Floor <u>Harley May</u>	S										
MUD		12 Mm	2 a.m.	4 a.m.	6 a.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change		
WEIGHT											
VISCOSITY											
GEL											
No. 1		Pres sure									
Model		S.P.M.									
No. 2		Pres sure									
Model		S.P.M.									
Liner Size											
W.L.		F.C.									

Tour - 8 a.m. to 4 p.m.	From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS	FUEL	WATER	COAL	Stands	
Specify actual hours worked						No. O.D. I.D. Wgt.					
Driller <u>George Williams</u>	B	No. Size Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
Derrick <u>Bill Williams</u>	I	2 8 3/4 X 1 1/2	3-11	51049	35	110	91	2			
Floor <u>Jack Thigmon</u>	T										
Floor <u>Frank Bland</u>	S										
MUD		8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change		
WEIGHT											
VISCOSITY											
GEL											
No. 1		Pres sure									
Model		S.P.M.									
No. 2		Pres sure									
Model		S.P.M.									
Liner Size											
W.L.		F.C.									

Tour - 4 p.m. to Midnight	From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS	FUEL	WATER	COAL	Stands	
Specify actual hours worked						No. O.D. I.D. Wgt.					
Driller <u>Bill Keith</u>	B	No. Size Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION
Derrick <u>Drill Smith</u>	I	2 1 1/2 X 1 1/2	3-11	51049	35	110	457	1			
Floor <u>Wayne Thigmon</u>	T										
Floor <u>Frank Bland</u>	S										
MUD		4 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives	At Surveys Degree	MOTOR HOURS	Next Oil Change		
WEIGHT											
VISCOSITY											
GEL											
No. 1		Pres sure									
Model		S.P.M.									
No. 2		Pres sure									
Model		S.P.M.									
Liner Size											
W.L.		F.C.									

REMARKS	Start	Stop	Interval
<u>1262</u>	<u>12:00</u>	<u>12:15</u>	<u>15</u>
<u>1262</u>	<u>12:15</u>	<u>12:30</u>	<u>15</u>
<u>1262</u>	<u>12:30</u>	<u>12:45</u>	<u>15</u>
<u>1262</u>	<u>12:45</u>	<u>1:00</u>	<u>15</u>
<u>1262</u>	<u>1:00</u>	<u>1:15</u>	<u>15</u>
<u>1262</u>	<u>1:15</u>	<u>1:30</u>	<u>15</u>
<u>1262</u>	<u>1:30</u>	<u>1:45</u>	<u>15</u>
<u>1262</u>	<u>1:45</u>	<u>2:00</u>	<u>15</u>
<u>1262</u>	<u>2:00</u>	<u>2:15</u>	<u>15</u>
<u>1262</u>	<u>2:15</u>	<u>2:30</u>	<u>15</u>
<u>1262</u>	<u>2:30</u>	<u>2:45</u>	<u>15</u>
<u>1262</u>	<u>2:45</u>	<u>3:00</u>	<u>15</u>
<u>1262</u>	<u>3:00</u>	<u>3:15</u>	<u>15</u>
<u>1262</u>	<u>3:15</u>	<u>3:30</u>	<u>15</u>
<u>1262</u>	<u>3:30</u>	<u>3:45</u>	<u>15</u>
<u>1262</u>	<u>3:45</u>	<u>4:00</u>	<u>15</u>
<u>1262</u>	<u>4:00</u>	<u>4:15</u>	<u>15</u>
<u>1262</u>	<u>4:15</u>	<u>4:30</u>	<u>15</u>
<u>1262</u>	<u>4:30</u>	<u>4:45</u>	<u>15</u>
<u>1262</u>	<u>4:45</u>	<u>5:00</u>	<u>15</u>
<u>1262</u>	<u>5:00</u>	<u>5:15</u>	<u>15</u>
<u>1262</u>	<u>5:15</u>	<u>5:30</u>	<u>15</u>
<u>1262</u>	<u>5:30</u>	<u>5:45</u>	<u>15</u>
<u>1262</u>	<u>5:45</u>	<u>6:00</u>	<u>15</u>
<u>1262</u>	<u>6:00</u>	<u>6:15</u>	<u>15</u>
<u>1262</u>	<u>6:15</u>	<u>6:30</u>	<u>15</u>
<u>1262</u>	<u>6:30</u>	<u>6:45</u>	<u>15</u>
<u>1262</u>	<u>6:45</u>	<u>7:00</u>	<u>15</u>
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<u>1262</u>	<u>7:45</u>	<u>8:00</u>	<u>15</u>
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<u>1262</u>	<u>11:00</u>	<u>11:15</u>	<u>15</u>
<u>1262</u>	<u>11:15</u>	<u>11:30</u>	<u>15</u>
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<u>1262</u>	<u>6:45</u>	<u>7:00</u>	<u>15</u>
<u>1262</u>	<u>7:00</u>	<u>7:15</u>	<u>15</u>
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<u>1262</u>	<u>7:45</u>	<u>8:00</u>	<u>15</u>
<u>1262</u>	<u>8:00</u>	<u>8:15</u>	<u>15</u>
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<u>1262</u>	<u>9:00</u>	<u>9:15</u>	<u>15</u>
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<u>1262</u>	<u>9:45</u>	<u>10:00</u>	<u>15</u>
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<u>1262</u>	<u>2:00</u>	<u>2:15</u>	<u>15</u>
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<u>1262</u>	<u>2:45</u>	<u>3:00</u>	<u>15</u>
<u>1262</u>	<u>3:00</u>	<u>3:15</u>	<u>15</u>
<u>1262</u>	<u>3:15</u>	<u>3:30</u>	<u>15</u>
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<u>1262</u>	<u>5:30</u>	<u>5:45</u>	<u>15</u>
<u>1262</u>	<u>5:45</u>	<u>6:00</u>	<u>15</u>
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<u>1262</u>	<u>6:45</u>	<u>7:00</u>	<u>15</u>
<u>1262</u>	<u>7:00</u>	<u>7:15</u>	<u>15</u>
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<u>1262</u>	<u>1:45</u>	<u>2:00</u>	<u>15</u>
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<u>1262</u>	<u>3:15</u>	<u>3:30</u>	<u>15</u>
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<u>1262</u>	<u>3:45</u>	<u>4:00</u>	<u>15</u>
<u>1262</u>			

THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

RIG No. 7 LOCATION Don'tch Lake, McLean Co. AREA 100 DATE 5-1-68 1968

NOTE— Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour -- Midnight - 8 a.m.		DATE										19			
Specify actual hours worked		Hrs.	From	Footage	To	Hex on Bottom	Wt. Drill String (1000ft)	DRILL COLLARS				WATER		COAL	Strat.
								No.	O.D.	I.D.	Wt.	Box	Feet		
Driller	ARTHUR STUART	8													Shales
Derrick	JOHN ARISTO	8													D. Collars
Floor	BOB HAY	8													Other Ft.
Floor	ALAN G. HAY	8													C.B. Ft.
Floor															Subs. Ft.
Motor	JOHN HILL	8													Ft. Up On
Mechanic															Kelly
Extra															TOTAL
Injuries:															
Fires:															
P U M P S	No. 1	Pres. sure													
	Model	S.P.M.													
		Liner Size													
	No. 2	Pres. sure													
	Model	S.P.M.													
		Liner Size													
W.L.			F.C.			pH.									

[illegible][illegible][illegible]

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time _____ Hrs.

Toolpusher

B.O.P. Test-Operated

Time

Results

Total Company Time _____ Hrs.

Approved by



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE— Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION *Thomson Road, Lakeview, N.D.* AREA *Unit* DATE *Nov 22* 19 *73*

Tour -- Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			Feet	WATER	COAL	Stands
Specify actual hours worked							No.	O.D.	I.D.	Wgt.	Gals	Bbls.	Tons
Driller	<i>KEITH STUART</i>												
Derrick	<i>CAROL ROBERTS</i>												
Floor	<i>ED MAY</i>												
Floor	<i>HARRY MAY</i>												
Floor													
Motor	<i>JACK MAY</i>												
Mechanic													
Extra													
Injuries:													
Fires:													

Tour -- 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			Feet	WATER	COAL	Stands
Specify actual hours worked							No.	O.D.	I.D.	Wgt.	Gals	Bbls.	Tons
Driller	<i>GEORGE WI</i>												
Derrick	<i>WEN CHAMBERLIN</i>												
Floor	<i>LARRY BARTO</i>												
Floor	<i>JACK THOMSON</i>												
Floor	<i>EDWARD BOND</i>												
Motor	<i>WILLIAM MCGILLIS</i>												
Mechanic	<i>BARRY HUNTER</i>												
Extra													
Injuries:													
Fires:													

Tour -- 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000lbs.)	DRILL COLLARS			Feet	WATER	COAL	Stands
Specify actual hours worked							No.	O.D.	I.D.	Wgt.	Gals	Bbls.	Tons
Driller	<i>BILL KEITH</i>												
Derrick	<i>DEBBIE MCCARTHEN</i>												
Floor	<i>WILLIAM THOMSON</i>												
Floor	<i>WILLIAM STANARD</i>												
Floor													
Motor	<i>EROL BELL</i>												
Mechanic													
Extra													
Injuries:													
Fires:													

REMARKS	Start	Time Stop	Interval
<i>1076</i>			
<i>111</i>			
<i>117</i>			
<i>123</i>			
<i>129</i>			
<i>135</i>			
<i>141</i>			
<i>147</i>			
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THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

NOTE-- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 7 LOCATION Arkansas River Lake H. 57-62-12-15 AREA 1.45 DATE Feb 21 19 72

REMARKS

[illegible]

REMARKS	Time		
	Start	Stop	Interval
Rig 2220	12 ⁰⁰	12 ¹⁵	1/4
Put 40 Gallons of 3.2%.	12 ¹⁵	1 ⁰⁰	1/4
Rig in Canada Apr 30 th	1 ⁰⁰	3 ⁰⁰	2
Refrigerator to 1000 P.S.I. 10.00 AM	3 ⁰⁰		
Hydrin To 1000 P.S.I. 10.00 AM		3 ¹⁵	1/4
TRY TO GET DEWATER PUMP	3 ¹⁵		
To Pump From SUMP		5 ⁰⁰	1 3/4
Wash Out Pump Lines & Sump	5 ⁰⁰	7 ¹⁵	2 1/4
Dinner	7 ¹⁵	8 ⁰⁰	3/4

[illegible][illegible][illegible]

Company Time	Comm. Time		
NAVE UP COASTLINE	7:00	11:30	2
Run in PCL UD Sigs	11:30	12:00	1 1/2
Run - well used wire	12:00	1:00	4
Roll out. 1000'	1:00	1:45	1
Break - lat band adjacent to fish	7:45	8:30	4
Run in	8:30	9:15	1 1/4
Break camp	1:45	10:00	4
Preparing to section	10:00	10:30	2
Time taken to get all work organized	11:30		
Working completely done.		12:00	1 1/2
TOTAL			
Company Time	Comm. Time		

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time

Mrs

Toolpusher.

B.O.P. Test-Operated

Time

Results

Total Company Time

____ Hrs.

Approved by



THOMSON DRILLING

DAILY DRILLING REPORT

DAY WORK RECORD

RIG No. 7 LOCATION BERNARD LANE AREA DATE Feb 29 1973

NOTE- Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour - Midnight - 8 a.m.		From Footage To Hrs on Bottom Wt. Drill String (1000lbs.)										DRILL COLLARS No O.D. I.D. Wgt				WATER Bbls		COAL Tons		Stands		REMARKS		Time Start Stop Interval	
Specify actual hours worked Hrs.																									
Driller	4																								
Derrick	4																								
Floor	4																								
Floor	4																								
Floor	4																								
Motor	4																								
Mechanic	4																								
Extra																									
Injuries:																									
Fires:																									
Tour - 8 a.m. to 4 p.m.		From Footage To Hrs on Bottom Wt. Drill String (1000lbs.)										DRILL COLLARS No O.D. I.D. Wgt				WATER Bbls		COAL Tons		Stands		REMARKS		Time Start Stop Interval	
Specify actual hours worked Hrs.																									
Driller	8																								
Derrick	8																								
Floor	8																								
Floor	8																								
Floor	8																								
Motor	8																								
Mechanic	8																								
Extra																									
Injuries:																									
Fires:																									
Tour - 4 p.m. to Midnight		From Footage To Hrs on Bottom Wt. Drill String (1000lbs.)										DRILL COLLARS No O.D. I.D. Wgt				WATER Bbls		COAL Tons		Stands		REMARKS		Time Start Stop Interval	
Specify actual hours worked Hrs.																									
Driller	8																								
Derrick	8																								
Floor	8																								
Floor	8																								
Floor	8																								
Motor	8																								
Mechanic	8																								
Extra																									
Injuries:																									
Fires:																									
TOTAL																									
Company Time																									
Cont'r Time																									

Totco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack Total Contractor Time Hrs. Toolpusher B.O.P. Test-Operated Time Results Total Company Time Hrs. Approved by

CANADIAN STRATIGRAPHIC SERVICE LTD.



Log No NWT-484

Net Footage 4958

60-30-121-15

Province	NORTHWEST TERRITORIES		
Well Name	ATKINSON TROUT L H-57		
Location	N60° 26' 21" W121° 24' 46"		
Area	Elevation	K.B. 2110 G.R. 2092	
Commenced	Feb. 15, 1973	Completed	Mar. 27, 1973
Status	D & A	Producing Fm.	
Total Depth	6908	Oldest Fm.	Upper Pine Point
Casing	9 5/8" @ 1003'		
Mechanical Logs Used To Adjust Lithology	BHCS		
Sample Quality	Fair		
Remarks			
Studied By No. 12	11-75		

MECHANICAL LOGS

The log is shown for correlation only and should not be used for engineering computations.

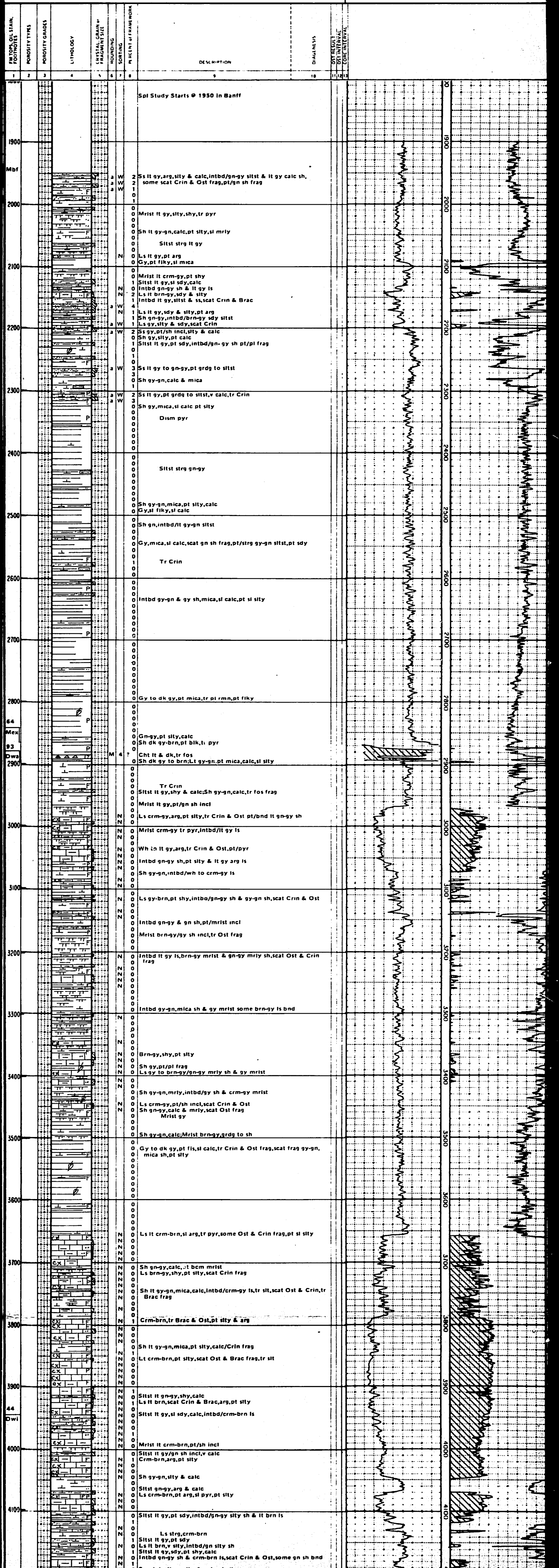
When Dual Induction log is used, the resistivity curve on the original E-Log may or may not have been run on a Logarithmic scale.

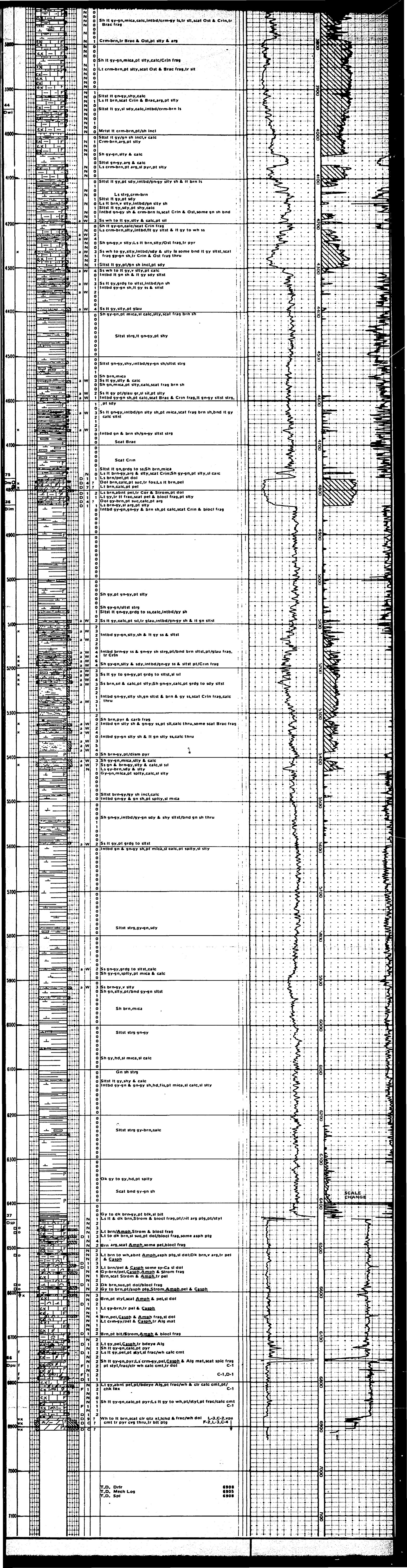
Mud Nature

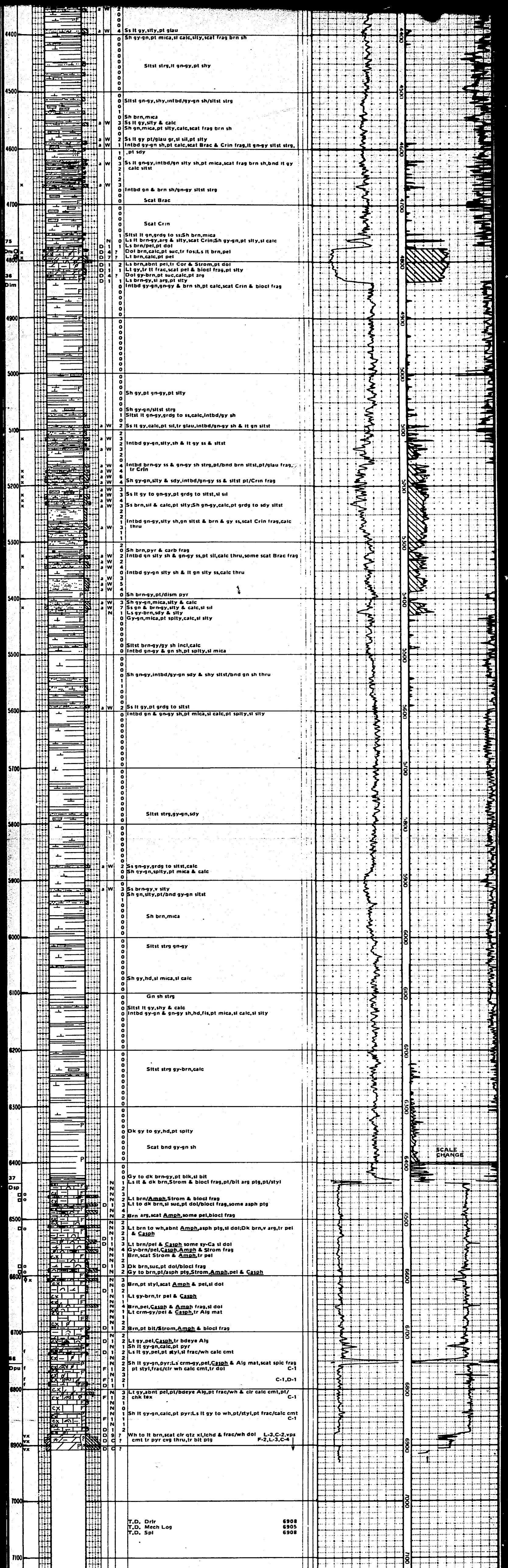
Bit Size

Logs Used To Adjust Lithology
BHCS

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INFORMATION SUMMARY

SUMMARY OF ABBREVIATIONS ELEV. 2110 KB

MISSISSIPPIAN	Banff	Study Starts
Mex	Exshaw	2864
DEVONIAN	Wabamun	2893
Dwl	Winterburn	3944
Dnl	Nisku	4778
Dip	Imperial	4838
Dpu	Slave Point	6437
	Upper Pine Point	6786

DRILL STEM TESTS

None Reported

CORED INTERVALS

None Reported

ATKINSON TROUT L.H-57
N60° 26' 21" W121° 24' 48"
NORTHWEST TERRITORIES, CANADA
LOG NO. NWT-484