Indian and Northern Affairs Affaires indiennes et du Nord

Well Name / Nom du puits: Miami Amoco Kakisa River I-52	Drilling Authority No. / Autorisation de forage n° 741
Field/Area / Gisement/Région	Date Issued / Date d'émission 14-01-74
Location / Emplacement — Unit / Unité I-52-60-10-117-45 — Section	Permit or Lease 3876

Latitude 60°01'34"N Longitude 117°54'42"W

U.W.L.R. / N.R.U.E.P. 60.02611 - 117.91167

U.W.I. No. / N.I.P. No. 300I526010117450

File Microfilmed

Rig. Release Date / Date de transfert de la tour de forage: Feb. 27, 1974

Tour Sheets. Microfilmed

Status / Statut: D. + A.

Information Release Date / Date de publication autorisée des informations: Feb. 27, 1976

CHANGE OF NAME:
CHANGEMENT DE NOM:

Change of Location
Changement de emplacement

INDEX	DATE RECEIVED / RECU LE		INDEX
Application for a Drilling Authority			Demande d'autorisation de forage
Well Completion Data	MAY 28/74	AL.	Renseignements sur le forage d'un puits
Well History Report			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 Walls			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			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

IAND 52-90 (6-72)

Drilling Authority No. 741
Date Issued January 14, 1974

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

IAND 52-90 (2) (3-70)

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 31 1974
NORTHERN ECONOMIC DEVELOPMENT BRANCH

WELL COMPLETION DATA

To be submitted in duplicate within thirty days after the completion, rework, abandonment, suspension or suspension of every well.

Well name and number: MIAMI AMOCO KAKISA RIVER I-52

Permit No. 3876 Lease No.

Amoco Canada Petroleum Company Ltd. (Permittee, Licensee, Lessee) Exploratory Licence No. 2266

Miami Oil Producers, Inc. (Operator) Exploratory Licence No. 2132

Location: Unit I Section 52 Grid 60-10-117-45

Latitude 60°01'34"N Longitude 117°54'42"W

Unique well identifier 300I526010117450

Universal Well Location Reference Lat. 60.02611°N, Long. 117.91167°W

	DATE	DEPTH
Spudded	Feb.1/74	
Suspended		
Resumed Operations		
Finished Drilling	Feb.22/74	5651'
Deepened		
Complete (gas/oil)		
Abandoned	Feb.26/74	598'
Rig released	Feb.27/74	

Pool(s)

Interval(s) open to production

Elevation: Gr. 2384' K.B. 2397.5'

Rig No. 19

Drilling Contractor Westburne - G.P.

Contractor's Business Licence No.

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at –	Sacks of Cement and Additives
1. 9-5/8"	H-40	32.3#	16 jts.	635' KB	500 sacks cement
2.					plus 2% $CaCl_2$
3.					plus 25% gel flake.
4.					Recemented with
5.					90 sacks of Port-
6.					land cement plus
					3% $CaCl_2$.

GEOLOGICAL TOPS	ELEVATION Depths	ELEVATION Sub-Sea
Wabamun	1680'	+ 718'
Hay River Shale	2550'	- 152'
BHL Shale	4300'	-1902'
Slave Point	4620'	-2222'
Ft. Vermillion	4766'	-2368'
Watt Mountain	4795'	-2397'
Sulphur Point	4805'	-2407'
Muskeg	4876'	-2478'
Keg River Plat.	5215'	-2817'
Chinchaga	5436'	-3038'
Red Beds	5533'	-3135'
Granite Wash	5581'	-3183'
Basement	5610'	-3213'

CORE RECORD

From	To	Rec.	From	To	Rec.
NO CORES CUT.					

LOG RECORD

Run No.	Type of Log	From	To
1	Dual Induction Laterolog	638'	5645'
1	Borehole Compensated Sonic Log	638'	5641'
1	Compensated Neutron Formation Density Log	4250'	5636'
	Sample Description Log	1600	TD (5651')

CEMENTING RECORD (Plug, Squeeze, etc.)			
Date	From	To	Remarks
Feb.26	5651'	5460'	Cemented with 90 sxs neat const. cement.
Feb.26	5360'	5150'	Cemented with 100 sxs const. cement + 2% $CaCl_2$. Felt @ 5142'.
Feb.26	660'	610'	Cemented with 65 sxs const. cement + 3% $CaCl_2$. Felt @ 598'.

PERFORATING RECORD (Bullet, Jet)			
Date	From	To	Remarks

SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	Feb.25	Keg River	5180'	5290'	30	30	60	1666	1686	803	1626	2571	2561	Good initial puff, good air blow dead in 50 minutes. Recovered 3252' of muddy, brackish salt water (109,600 ppm).

(NOTE: Pressures shown are field readings.)

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
NO ANALYSES TAKEN.					

PRESENT STATUS OF WELL

Oil ..... (Interval.)

Gas ..... (Interval.)

Dry .....

Susp. .....

Company Helton Engineering Ltd.

Signed by J. M. W. Lowe

Title Geological Manager

Date May 14, 1974

Forms to be prepared in duplicate and forwarded to the Oil Conservation Engineer, Calgary, Alberta.

CANADA

Drilling Authority No. 741

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: MIAMI AMOCO KAKISA RIVER I-52

Location: Unit: I Section: 52 Grid: 60-10-117-45

Latitude: 60°01'34"N Longitude: 117°54'42"W

From Established Reference Marker: 300I526010117450

Universal Well Location Reference: Lat. 60.02611°N, Long. 117.91167°W

Permit No. 3876 Lease No.

Amoco Canada Petroleum Company Ltd.
(Permittee, Licencee, Lessee)

Date of commencement of proposed program: February 26, 1974

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at: Nil

Gas at: Nil

Water at: 5180' - 5290'

Total Depth: 5651' Date of last operations: February 27, 1974

Present condition of well: Dry and Abandoned

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 9-5/8"	32.3#	16 jts.	635' KB	500 sacks cement	
2.				plus 2% $CaCl_2$ plus	
3.				25% gel flake. Re-	
4.				cemented with 90 sxs Portland cement	
5.				plus 3% $CaCl_2$.	

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	5651'-5460'	Granite Wash	90 sacks	
2	5360'-5150'	Keg River	100 sacks	Felt @ 5142'.
3	660'- 610'	Devonian	65 sacks	Felt @ 598'.

The following logs have been run: Dual Induction, BHC Sonic, Compensated Neutron

Other operations proposed:

Operations to be carried out by: Westburne - G.P. Contractor Licence No.

Address: 550 - 6th Avenue S.W., Calgary Address

Responsible Agent in field: Helton Engineering Ltd. 625 - 4th Avenue S.W., Calgary.

Dated at: Calgary, this 28th Day of May 19 74

Signed by: [signature] Company: Miami Oil Producers, Inc.

Title: Agent for Miami Oil Prod. Operator's Exploratory Licence No. 2132

Note:—The District 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 by G. E. Blue on February 24, 1974. Approval included cutting casing off 3 feet below ground level with a 5-sack surface plug plus welded plate and well marker.

Dated June 4, 19 74

[signature]
District Conservation Engineer

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

IAND 52-90-5 (7-71)

Voir au verso

Drilling Authority No. 741

CANADA

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 MIAMI AMOCO KAKISA RIVER I-52

Location: Unit I Section 52 Grid 60 -10 - 117 - 45
Latitude 60° 01' 34" N Longitude 117° 54' 42" W
Unique Well Identifier 300152601011745 0
Universal Well Location Reference Lat. 60.02611° N., Long. 117.91167° W.

Elevation: Ground 2384.0' K.B. 2397.5' feet above sea-level.
Well is expected to produce from Sulphur Point or Keg River formation at a depth of about 4800 & 4900 resp. feet. Expected total final depth 5600'
Area assigned to well Exploratory
(for District Conservation Engineer's use only)

Permit No. 3876 Lease No. Acreage 63,854 acres
Permittee, licensee, or lessee Amoco Canada Petroleum Company Ltd.
Exploratory Licence No. 2266
Surface owned by Crown or Crown
(If alienated 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	Sacks of Cement
1. 9-5/8"	32.3#	H	New	560'	500 sacks
2. 4-1/2"	9.5#	J	New	5600'	As required.
3.					
4. (In the	event that 9-5/8" casing is not available, we propose				
5. to use	10-3/4", 32.75#, H casing.)				

Expected water, gas, and oil horizons and type of control equipment. Sulphur Point, Keg River, Slave Point and Beaverhill Lake. Control Equipment - 10" 900 Series Hydril and Double Hydraulic Ram Preventers.

Well will be drilled with Rotary Rig No. 19 by Westburne - G.P. Drilling Ltd.
(Drilling Contractor or company)

#932, 550 - 6th Avenue S.W., Calgary, Alberta

Responsible agent of applicant:– Contractor's Business Licence No. Applied For
At well Helton Engineering Ltd. At registered office Helton Engineering Ltd.
Address 625 - 4th Ave. S.W. Address 625 - 4th Ave. S.W. Calgary, Alberta
It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at Calgary, this 7th day of January 19 74
Signed by [signature] Company Miami Oil Producers, Inc.
Title Agent for Miami Oil Operator's Licence No. 2132

(For Oil and Mineral Division use only)

APPROVED

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

Please see Conditions of Approval on the attached sheet.

Dated January 14 19 74 [signature]
District Conservation Engineer

Forms to be submitted to District Conservation Engineer, Department of Indian Affairs and Northern Development.

IAND 52-90-1 (8-71)

Voir au verso

TO BE ATTACHED TO AND MADE A PART OF DRILLING AUTHORITY NO. 741

FOR Miami Amoco Kakisa River I-52 APPROVED January 14, 1974.

CONDITIONS OF APPROVAL:

1. Copies of this Drilling Authority or Amendments to a Drilling Authority shall be exhibited at the drilling rig in both the Doghouse and the Drilling Foreman's office between spud and rig release dates.

2. The Company shall submit to this office, on Tuesday of each week/daily, the latest reports received on the progress of the well.

3. During well drilling and testing operations, every effort shall be made to ensure that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent contamination of adjacent areas, or sub-surface waters.

4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.

5. Approval must be obtained from the District Conservation Engineer to run any casing or liners not approved on the Drilling Authority.

6. All shows of oil and/or gas, and water flows, or any unusual events shall be reported to the District Conservation Engineer immediately.

7. Should a fatal accident occur, drilling operations are to be suspended and the District Conservation Engineer notified immediately. Permission to resume drilling must be obtained from the District Conservation Engineer.

8. Two field print copies of all well logs and three copies of the core analyses and fluid analyses must be forwarded to the District Conservation Engineer as soon as they are available.

9. Formation tops (samples or logs) of the section penetrated each week are to be reported with the weekly drilling reports.

10. The District Conservation Engineer must be notified at least 24 hours before spudding the well.

11. Permission to drill beyond the approved final total depth MUST be obtained from the District Conservation Engineer.

12. All Tool-pushers and all back-up Supervisory Personnel who are engaged in Northern operations are required to hold a valid PITS Well-Control Training Course Certificate (or its equivalent as rated by a committee representative of industry interests, to be established by APOA).

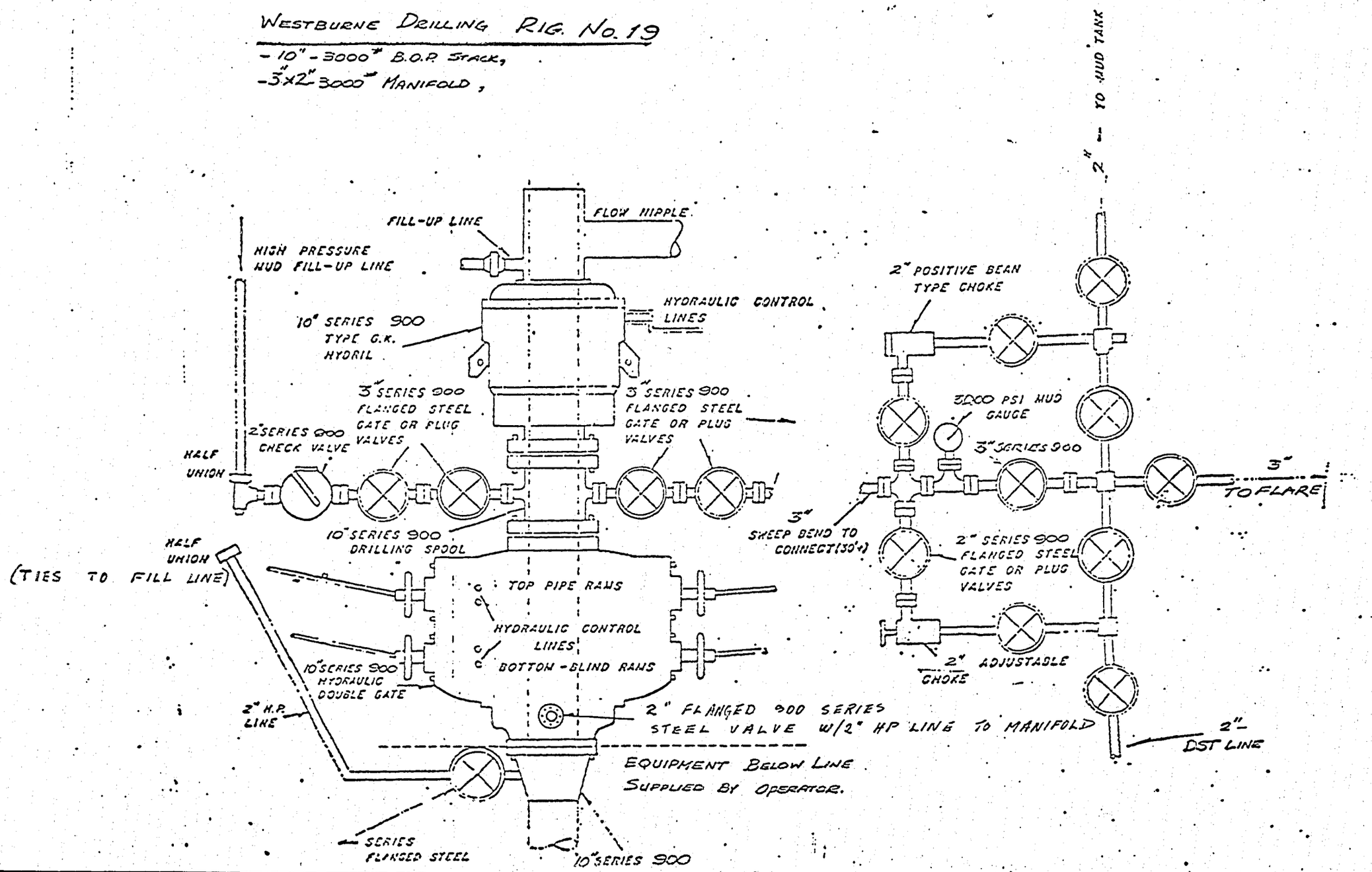
13. All such northern locations require at least one of the certified persons mentioned under item (12) above to be on-site at all times during drilling operations.

14. Pre-spud drilling safety Supervisory meetings shall be held on-site between Operator/Contractor(s) personnel, followed by regular blow-out control procedures drills. These meetings and drills shall be noted on the daily tour sheets.

G.E. Blue,
District Conservation Engineer,
District 2.

WESTBURNE DRILLING RIG. No. 19

- 10" - 3000# B.O.P. STACK,
- 3"x2" 3000# MANIFOLD,



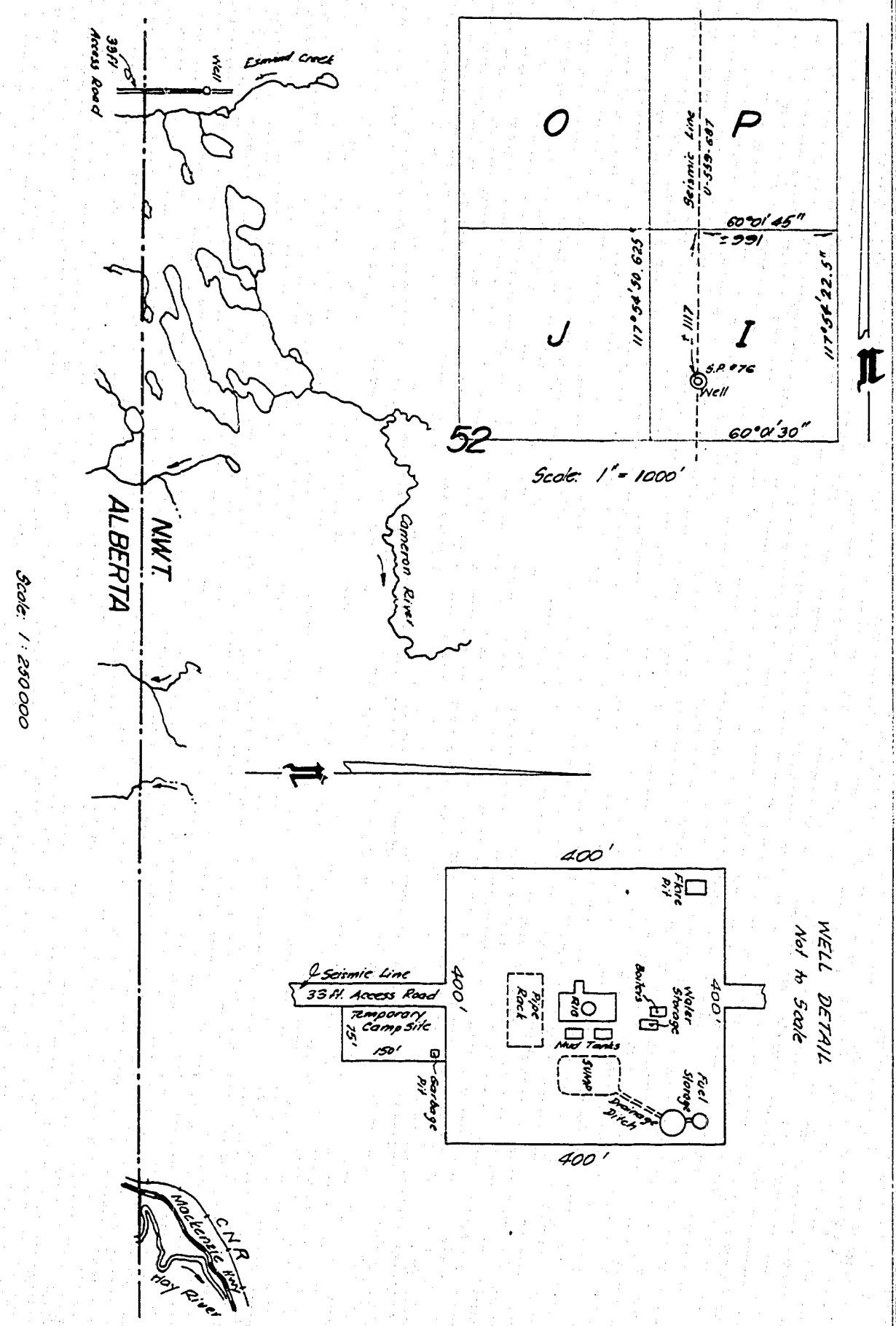
Well No. 109

MIAMI AMOCO CAMERON HILLS I 52

Unit I Section 52 Grid Area 60°10' - 117°45'

Latitude 60°01'34" Longitude 117°54'42"

NORTHWEST TERRITORIES



HELTON ENGINEERING LTD.
for
MIAMI OIL PRODUCERS, INC.

Elevation: 2384 (copied from Seismic Notes)
Horizontal Information scaled from seismic maps.

L. Russell Vice President

M. A. Helton President

Prepared by
MIDWEST SURVEYS CO. LTD.

Date: January 7, 1974

C-960-73-1

#109

Amoco Canada Petroleum Company Ltd.
DRILLING AND COMPLETION PROGRAM

WELL: Miani Amoco Cameron Hills I-52 FIELD: Wildcat FILE NO.:
PROVINCE: Northwest Territories LOCATION: 60°10'N 117°45'W DATE: September 14, 1973

LOGGING PROGRAM

TYPE	SCALE	INTERVAL
DILL	2" & 5"	Surf.csg. - T.D
B.H.C. Gamma Ray Sonic	2" & 5"	Surf.csg. - T.D.
Density	2" & 5"	4,500 - T.D.
S.N.P.	2" & 5"	4,500 - T.D.

REMARKS:

SPECIAL TESTS

TYPE	INTERVAL

REMARKS

DRILL CUTTING SAMPLES

INTERVAL	FREQUENCY

DRILLING TIME

INTERVAL	FREQUENCY

REMARKS

MUD PROGRAM

INTERVAL	TYPE	WEIGHT	VISC.	W.L.	OTHER SPECS.

REMARKS:

GEOLOGICAL MARKERS

ESTIMATED GROUND ELEVATION

MARKER	DEPTH	
Est. Ground	2400	
Est. K.B.	2413	
D-1	1718	+ 695
Hay River Shale	2593	- 180
Beaverhill Lake	4358	-1945
Slave Point	4608	-2195
Watt Mountain	4798	-2385
Sulphur Point	4813	-2400
Muskeg	4913	-2500
Keg River Reef	4973	-2560
Keg River Platform	5198	-2785
Chinchaga	5393	-2980
Red Beds	5493	-3080
PreCambrian	5533	-3140

TOTAL DEPTH: 5583 (-3190) or 50' into PreCambrian

@ POSSIBLE PAY @ PROBABLE COMPLETION INTERVAL

CASING PROGRAM

INTERVAL	CSG. SIZE	BIT SIZE	CEMENT SX.	CEMENT TYPE

DESCRIPTION OF LANDING POINT, ETC.

CORING PROGRAM

COMPLETION PROGRAM

GENERAL REMARKS

Location situated on Shot Point #76, seismic line #U-559-687.

PREPARED BY: H. J. Stewart

APPROVED: DISTRICT PRODUCTION SUPERINTENDENT OR DRILLING SUPERINTENDENT

APPROVED: DISTRICT EXPLORATION SUPERINTENDENT

Form 66 12-71

SUGGESTED MUD PROGRAM

Miami Oil Producers Inc.,
P.O. Box 2040,
Abilene, Texas.

Miami Cameron Hills 1-52 60° 10'N 117° 45'W #109

We are pleased to submit herewith mud summary and cost estimate for the above captioned wells. We estimate 20 contract days, 5 days daywork and 2 days surface casing and w.o.c.

SURFACE HOLE:

Drill surface with a conventional spud mud, using bentonite and small amounts of lime and/or caustic soda to raise the viscosity as required to maintain good hole conditions. If loss circulation occurs, raise viscosity as described and add sawdust until returns are regained.

TOP HOLE to 500' ABOVE SLAVE POINT:

Drill out cement and dump cement cut returns. Treat out excess cement contamination with 200# Bicarbonate of Soda. Drill ahead with water. Add 10# S.A.P.P. each 200 feet of hole drilled to disperse mud ring build up.

500' ABOVE SLAVE POINT to TOTAL DEPTH:

Estimated formation tops:	#109	#110.
Slave Point	4608'	4393'
Watt Mtn	4798'	4553'
Muskeg	4913'	4703'
Keg River	4973'	4753'
Chinchaga	5393'	5213'
PreCambrian	5533'	5363'
Total Depth	5583'	5401'
Mud up	4100'	3900'

BOX 6419 • POSTAL STATION D • CALGARY 2, ALBERTA • PHONE (403) 265-1281

SUGGESTED MUD PROGRAM

2.

Mud up with gel chemical mud system. Hole is to be kept full at all times and in shape for evaluation of various formations.

Suggested Properties:

Weight	.944-9.6 #/gal. Let weight build up to 10.5 #/gal for penetration of Slave Point and balance of hole.
Viscosity	
Drilling	45-55 sec/qt
Coring	60-65 sec/qt
Testing	70-80 sec/qt
Plastic viscosity	15-30
Yield point	15-40
Gels 0 min	10-15
Gels 10 min	15-30
pH	9.0
Water loss	8 c.c.

Raise viscosity prior to reaching total depth for logging operations allowing sufficient time for gel to yield.

The cost of the above program is estimated at $7,000.00 per well plus trucking of $1,500.00 per well from High Level stock point.

SERVICE ENGINEER: Mr. Rick Michalski, who will be stationed at the well site.

PROGRAM BY: Arthur L. Hazle

November 28, 1973.

BOX 6419 • POSTAL STATION D • CALGARY 2, ALBERTA • PHONE (403) 265-1281

Westburne – G.P. Drilling Ltd.
Forage Westburne – G.P. Ltée.

RIG #19

MAJOR COMPONENTS

Mast	- 126' Lee C. Moore, capacity 370,000#.
Substructure	- 10' steel.
Drawworks	- National T32 double drum, torque converter driven.
Engines	- GM Twin 6 "N" Series on hoist, 310 HP.
	- Caterpillar D379 on K500A pump, 520 HP.
Slush Pump	- National K500A (7 3/4 x 15) unitized in building.
Mud Mixer Pump	- 5 x 6 Mission, centrifugal mounted in pump building, driven from Cat motor.
Drill Pipe	- 4" Grade E, 14#, 3 1/2" IF connections w/5" OD tool jts.
Drill Collars	- 18 - 5" x 31' x 2 1/4", 3 1/2" IF connections.
	- 7 - 6 3/4" x 31' x 2 7/8" bore, 5" H90 connections.
	- 19 - 6 1/4" x 31' x 2 7/8" bore, 4 1/2" H90 connections.
Rotary Table	- Oilwell 17 1/2".
Crown	- 6 sheave - integral part of mast.
Travelling Block) Hook)	- Baash Ross Model DBM - 430 - 150 Ton combination.
Swivel	- Oilwell SA 150.
Drilling Line	- 1".
Light Plant	- D 315 Caterpillar 30 KW - AC.
Boiler	- 50 HP Napanee type diesel fired, automatic.
Shale Shaker	- Link Belt NRM 145, single.
Mud Tanks	- 1 - 4' x 12' x 45', capacity 385 Bbls. with low and high pressure mud mixing system.
Deviation Equipment	- Totco, double recorder. 8°
B.O.P.'s	- 10 - 900 Hydril GK
	- 10 - 900 Hydraulic Double Shaffer.
	- Hydril Model 80 Accumulator - remote controls and standby nitrogen bottles.
	- Manifold - outside subbase.
Buildings	- 8' x 43' steel light plant, change house and accumulator house.
	- 8' x 23' steel oil house and tool house.
	- 8' x 15' steel drillers' doghouse.
Water & Fuel Storage	- 300 Bbls. - water; 5000 Gals. - fuel, combined in one load.
Special Equipment	- Martin Decker hydro-mech rotary torque gauge.
	- Foster tong torque gauge.
	- Eastman drilling time recorder.
	- Satellite automatic driller.
	- Hydromatic brake.
Unitized Lines	- Suitcase type.

14/11/72

A MEMBER OF THE WESTBURNE GROUP
SUITE 932 CALGARY HOUSE, 550 - 6th AVENUE S.W., CALGARY, ALBERTA T2P 0S2 TELEPHONE 403/266-8701

MIAMI OIL PRODUCERS, INC.

MIAMI AMOCO KAKISA RIVER I-52

60° 1' 34" N - 117° 54' 42" W

WELL HISTORY REPORT

Prepared by: HELTON ENGINEERING LTD.

R. J. Russell, P. Eng.

April, 1974

MIAMI AMOCO KAKISA RIVER I-52

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Dual Induction Laterolog (Final Print)
Borehole Compensated Sonic Log (Final Print)
Compensated Neutron Formation Density Log (Final Print)
Sample Description

MIAMI AMOCO KAKISA RIVER I-52

WELL HISTORY REPORT

SECTION I - SUMMARY OF WELL DATA

MIAMI AMOCO KAKISA RIVER I-52

WELL HISTORY REPORT

SECTION I - SUMMARY OF WELL DATA

(a) Miami Amoco Kakisa River I-52

(b) Permittee

Amoco Canada Petroleum Company Ltd.

(c) Name of Operator

Miami Oil Producers, Inc.
P.O. Drawer 2040
Abilene, Texas 79604

(d) Location

I-52-60-10-117-45

(e) Co-Ordinates

Latitude: 60°01'34"N Longitude: 117°54'42"W

Unique Well Identifier: 300I526010117450

Universal Well Location Reference: Lat. 60.02611°N
Long. 117.91167°W

(f) Permit Number

3876

(g) Drilling Contractor

Westburne - G.P. Drilling Ltd.
Rig #19 - National T32

(h) Drilling Authority

Drilling Authority No. 741 - January 14, 1974

(i) Classification

New Field Wildcat

Summary of Well Data

(j) Elevations

Ground 2384' Kelly Bushing 2397.5' Casing Flange 2384'

(k) Date Spudded

February 1, 1974

(l) Date Completed Drilling

February 22, 1974

(m) Total Depth and Plugged Back Total Depth

Total Depth: 5651' Plugged Back Total Depth: 598'

(n) Well Status

Dry and Abandoned

(o) Rig Release Date

February 27, 1974

(p) Hole Sizes

13-3/4" 0 - 598', 13½" 598' - 640', 8-3/4" 640' - 5651'

(q) Casing Size and Setting Depth

Surface Casing: 9-5/8", 32.3#, H-40 casing.
Landed at 635' K.B.

MIAMI AMOCO KAKISA RIVER I-52

WELL HISTORY REPORT

SECTION II - GEOLOGICAL SUMMARY

MIAMI AMOCO KAKISA RIVER I-52

ELECTRIC LOG TOPS

K.B. Elevation: 2397.5

Formation	Depth	Subsea
Wabamun	1691'	+ 707'
Hay River Shale	2553'	- 155'
Beaverhill Lake Shale	4301'	-1903'
Slave Point	4618'	-2220'
Fort Vermillion Member	4766'	-2368'
Watt Mountain	4680'	-2382'
Sulphur Point	4794'	-2396'
Muskeg	4870'	-2472'
Keg River Platform	5174'	-2776'
Chinchaga	5432'	-3034'
Red Beds	5494'	-3096'
Granite Wash	5581'	-3183'
Granite	5623'	-3225'
Total Depth	5651'	-3253'

MIAMI AMOCO KAKISA RIVER I-52

SAMPLE TOPS

K.B. Elevation: 2379.5

Formation	Depth	Subsea
Wabamun	1680'	+ 718'
Hay River Shale	2550'	- 152'
Beaverhill Lake Shale	4300'	-1902'
Slave Point	4620'	-2222'
Fort Vermillion Member	4766'	-2368'
Watt Mountain	4795'	-2397'
Sulphur Point	4805'	-2407'
Muskeg	4876'	-2478'
Keg River Platform	5215'	-2817'
Chinchaga	5436'	-3038'
Red Beds	5533'	-3135'
Granite Wash	5581'	-3183'
Basement	5610'	-3212'

MIAMI AMOCO KAKISA RIVER I-52

CORED INTERVALS

There were no cores cut on Miami Amoco Kakisa River I-52.

SAMPLE DESCRIPTION

The sample description for Miami Amoco Kakisa River I-52 is enclosed in the pocket at the end of this report.

MIAMI AMOCO KAKISA RIVER I-52

WELL HISTORY REPORT

SECTION III - ENGINEERING SUMMARY

LYNES UNITED SERVICES LTD.

TEST DATA

Test No. 1 Lynes Test 1

Formation: Keg River T.D. 5651 Ft.

Interval Tested: 5180 Ft. to 5290 Ft.

Interval Tested: 110 Ft. Net Pay Tested: Ft.

Type of Test: Dual Conventional Straddle

Cushion: Amount Ft.

Started in Hole at 4:30 Hrs. Tool Open at 9:35 Hrs.

Pre-Flow 3 Mins. Initial Shut-in 30 Mins.

2nd Flow Mins. Second Shut-in Mins.

Final Flow 30 Mins. Final Shut-in 60 Mins.

Remarks:

Blow: Weak air blow on preflow. Weak blow on valve open dead in 55 mins.

GENERAL INFORMATION

Company: Miami Oil Producers Inc.

Address: c/o Helton Engineering Ltd.

Well Name: Miami Amoco Kakisa River

Well Number: I-52

K.B. Elevation: 2397.5 Sub-Sea Elevation

Area: Steen River Province: Alberta

Company Rep.: Packy Phal

Tester: Wayne Finkbeiner

Contractor: Westburne Rig No. 19

Ticket No. 9530 Date: February 25, 1974

Service Reports To:

12 - above

Att'n: Glenda

GAS BLOW MEASUREMENTS

Measured with

Time	Surface Choke	Reading Inches	Cubic Feet/Day

MUD AND HOLE DATA

Mud Type: Gel Chem

Weight 9.8 Viscosity 55 Water Loss 9.8

Filter Cake 2/32 Bottom Hole Temperature

Drill Pipe Size 4" (3½IF) Weight 13.30

Drill Collars 6¾ I.D. 2 7/8 Feet Run 258

Main Hole or Casing Size 8¾

Rathole or Liner Size No. of Feet

Bottom Hole Choke Size 5/8

Surface Choke Size 1"

Packer Rubber Size 7¾

REMARKS

Shut-in pressures suggest relatively high permeability within the interval tested.

RECOVERY

TOTAL FLUID RECOVERED 3252 Ft. Consisting of:

3252 Ft. of Black muddy water & water

Ft. of

Ft. of

Ft. of

Test was/was not Reverse Circulated: was not

Oil Recovery A.P.I. Water Specific Gravity

Salinity: 109,600 PPM

PRESSURE READINGS

	Inside X Outside	Inside Outside X	Inside Outside X	Inside Outside
Recorder No.	8855	2816	2080	
Capacity	4300	4600	4100	
Depth	5162	5326	5196	

NUMBER KEY:

1 - INITIAL HYDROSTATIC	2560	2587	2553	
2 - PRE-FLOW	380		778	
3 - INITIAL SHUT-IN	1657		1646	
4a - 2nd INITIAL FLOW		Below		
4b - 2nd FINAL FLOW		Straddle		
4c - 2nd SHUT-IN				
5 - 3rd INITIAL FLOW	447		781	
6 - FINAL FLOW	1578		1585	
7 - FINAL SHUT-IN	1657		1657	
8 - FINAL HYDROSTATIC	2558	2594	2530	

Company: Miami Oil Producers Inc.

Well Name and Description: Miami Amoco Kakisa River I-52

Test No. 1

Date of Test: February 25, 1974

LYNES UNITED SERVICES LTD.

WELL NAME - MIAMI AMOCO KAKISARIVER

LOCATION - I-52

DST NUMBER - 1

INTERVAL TESTED - 5180 TO 5290

RECORDER NO. - 2080

DEPTH - 5196

INITIAL SHUT IN PRESSURE

TIME(MIN) Φ	$\frac{T + \Phi}{\Phi}$	PSIG
0	0.0000	778
3	2.0000	1626
6	1.5000	1630
9	1.3333	1633
12	1.2500	1637
15	1.2000	1639
18	1.1667	1641
21	1.1429	1642
24	1.1250	1644
27	1.1111	1645
30	1.1000	1646

EXTRAPOLATION OF INITIAL SHUT-IN = 1653.28

LYNES UNITED SERVICES LTD.

WELL NAME - MIAMI AMOCO KAKISARIVER

LOCATION - I-52

DST NUMBER - 1

INTERVAL TESTED - 5180 TO 5290

RECORDER NO. - 2080

DEPTH - 5196

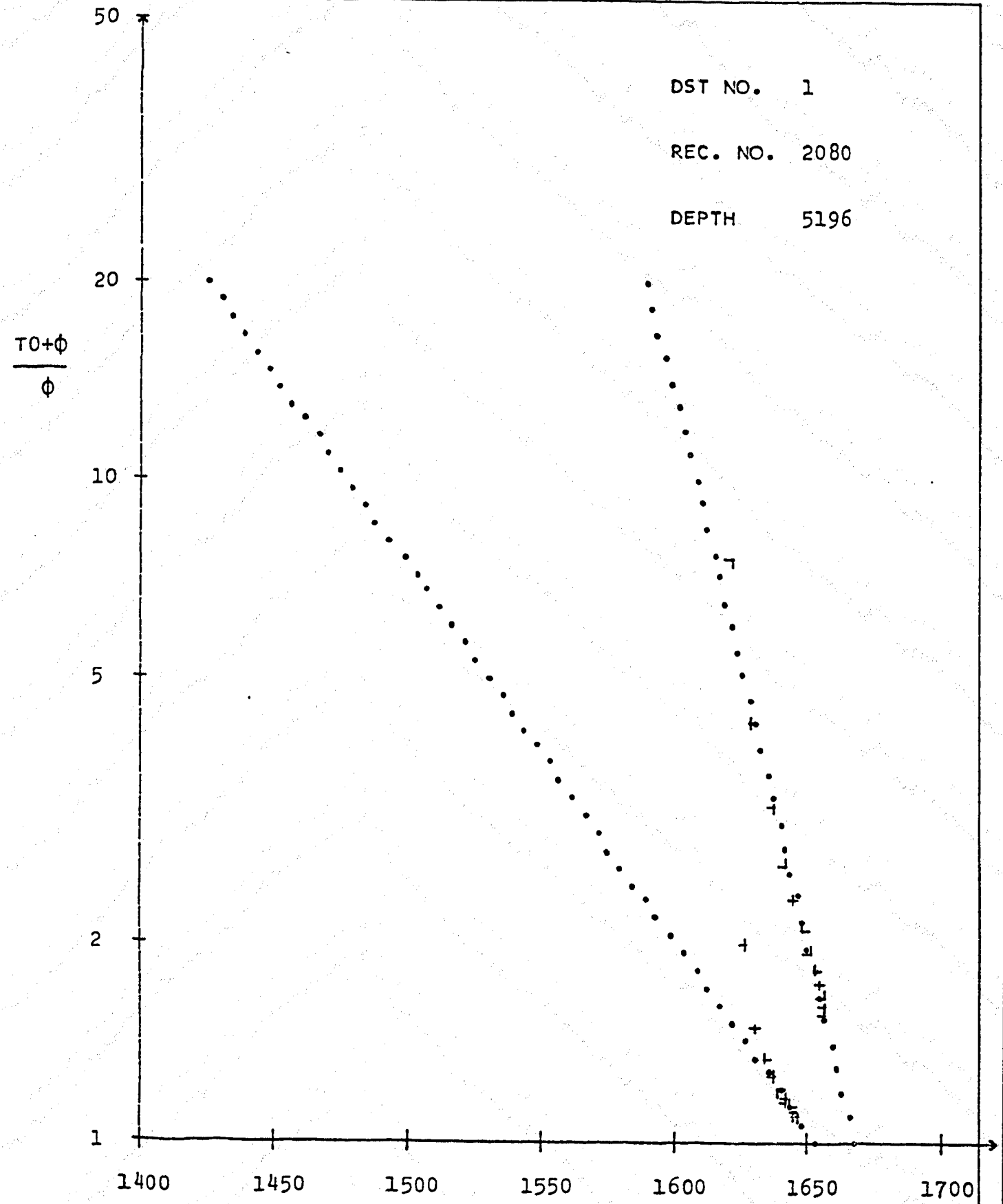
SECOND SHUT IN PRESSURE

TIME(MIN) Φ	T + Φ / Φ	PSIG
0	0.0000	1585
5	7.6000	1621
10	4.3000	1629
15	3.2000	1637
20	2.6500	1641
25	2.3200	1645
30	2.1000	1649
35	1.9429	1652
40	1.8250	1653
45	1.7333	1655
50	1.6600	1656
55	1.6000	1657
60	1.5500	1657

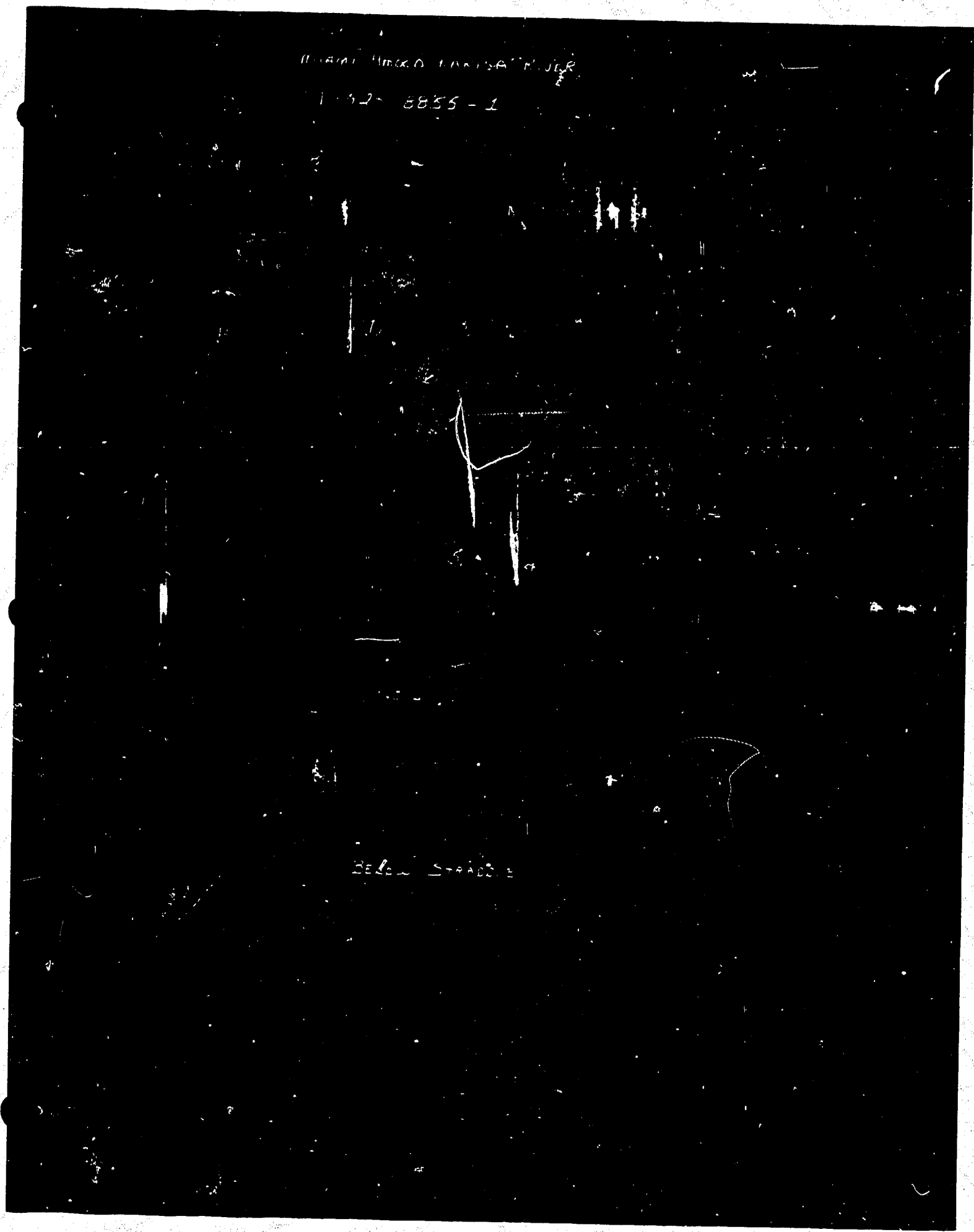
EQU. FITTED LINE IS LOG((TO+Φ)/Φ)= -0.01641 PSIG + 27.38292

EXTRAPOLATION OF SECOND SHUT-IN = 1668.60 M= 60.94

LYNES UNITED SERVICES LTD.

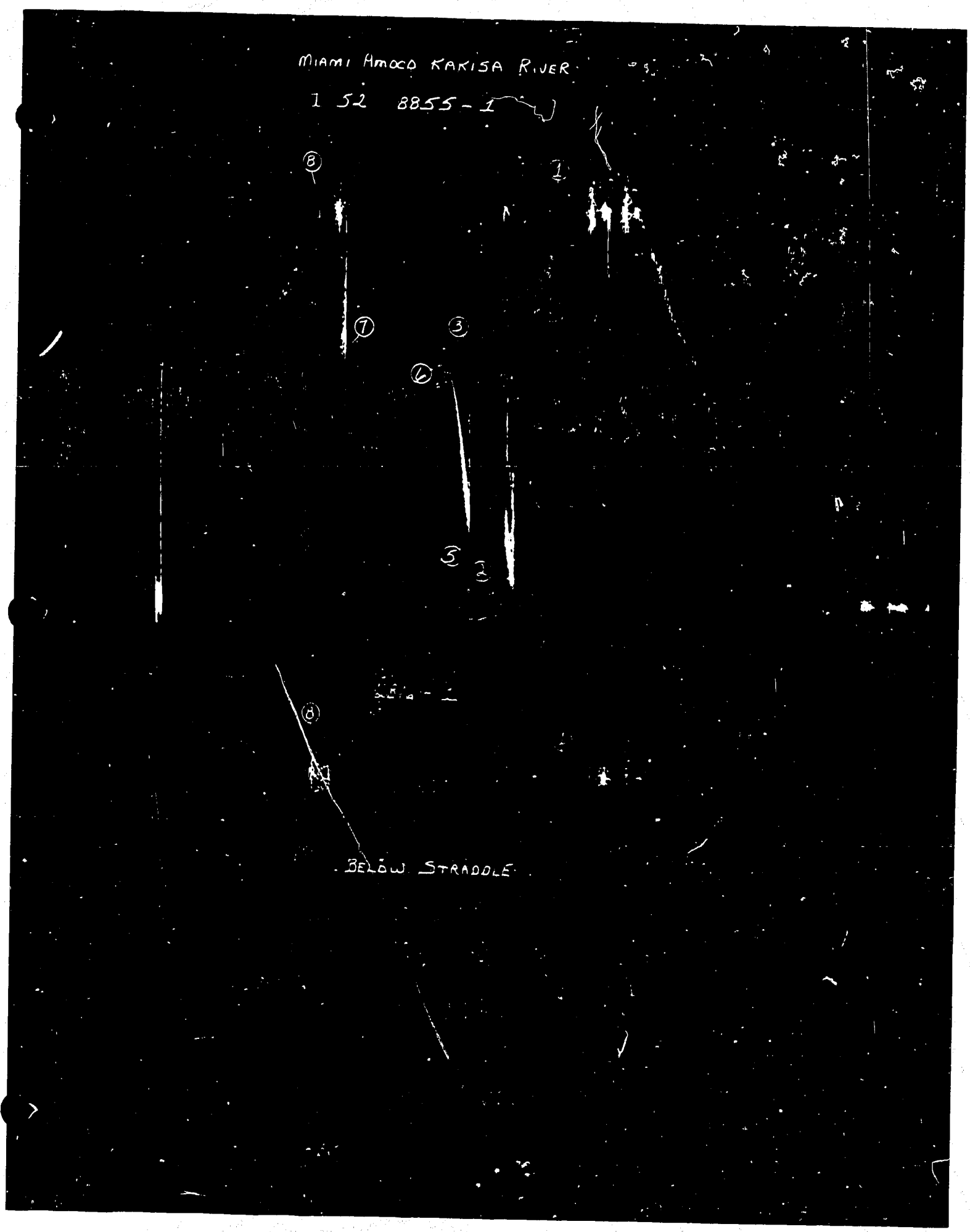


PRESSURE EXTRAPOLATION PLOT


1-12- 8855-1
BELOW STRADDLE

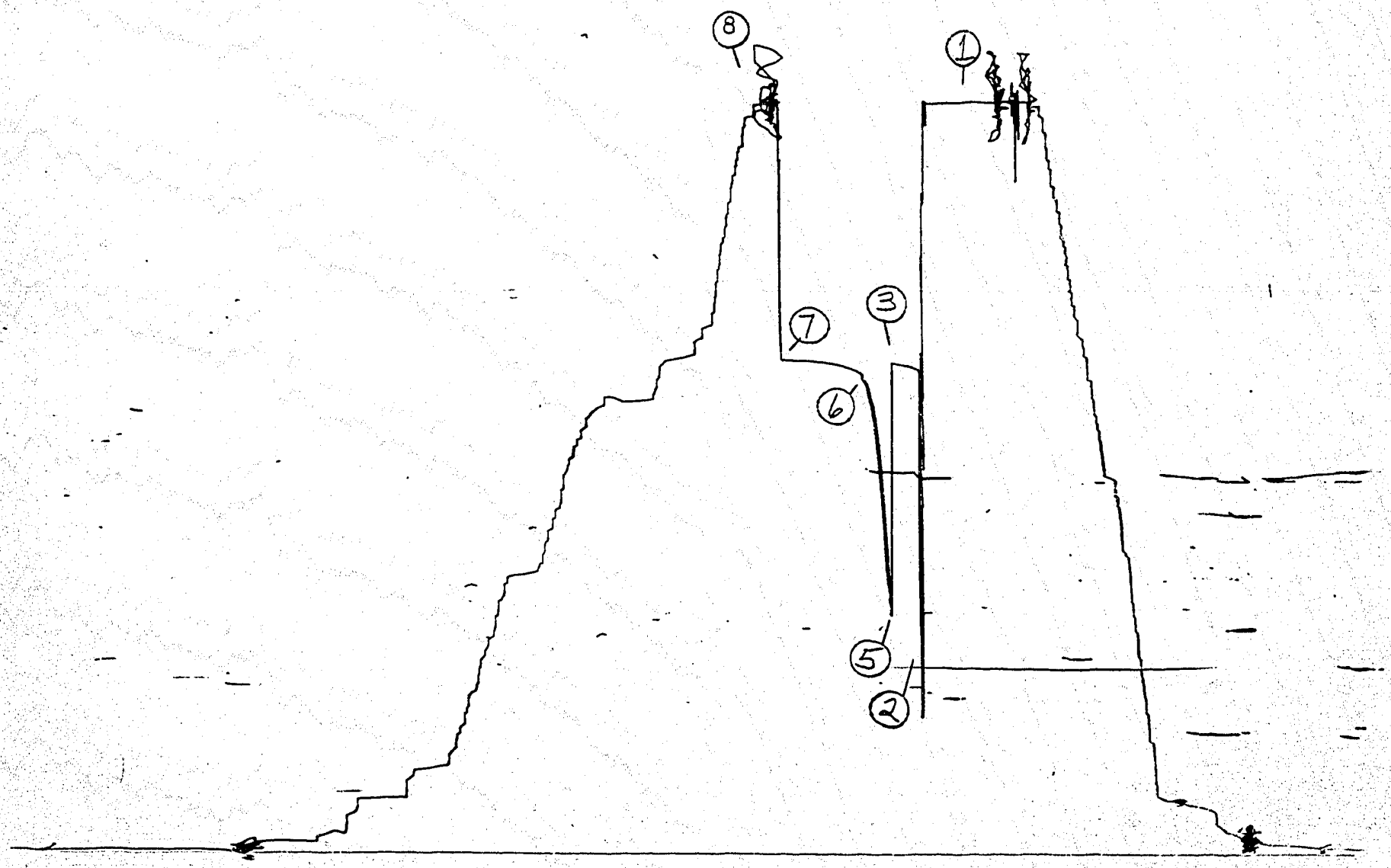
MIAMI AMOCO KAKISA RIVER

1 52 8855 - 1



MIAMI AMOCO KAKISA RIVER

I-52 2080-1



MIAMI AMOCO KAKISA RIVER I-52

CASING SUMMARY

Surface Casing: Ran 16 joints (total of 659.65') of 9-5/8", 32.3#, H-40 casing. Landed at 635' K.B. Cemented with 500 sacks cement plus 2% $CaCl_2$ plus 25# gel flake. Plug down at 5:00 a.m., February 4, 1974 with fair returns.

Recemented outside top of casing with 90 sacks of Portland cement plus 3% $CaCl_2$.

MIAMI AMOCO KAKISA RIVER I-52

MUD REPORT

TYPE	UNIT	AMOUNT
Acegel	100#	511 sacks
Caustic Soda	50#	25 sacks
Lime	50#	10 sacks
Sawdust	50#	113 sacks
Bicarbonate of Soda	100#	1 sack
Ace Bar Sparton	100#	80 sacks
Soda Ash	100#	35 sacks
Petro Lig	50#	1 sack
Kwik Seal	50#	8 sacks
CMC LoVis	50#	25 sacks
Benex	50#	75 sacks
Ace Tan	50#	10 sacks
Barium Carbonate	100#	10 sacks

MIAMI AMOCO KAKISA RIVER I-52

DEVIATION RECORD

Depth Feet	Deviation Degrees	Change Degrees	Interval Feet	Hole Size Inches
135	1-1/16	0	135	13-3/4
164	1	1/16	29	13-3/4
191	1/2	1/2	27	13-3/4
248	1/2	0	57	13-3/4
335	1/2	0	87	13-3/4
394	5/8	1/8	59	13-3/4
480	1/2	1/8	86	13-3/4
570	5/8	1/8	90	13-3/4
640	7/8	1/4	70	13-1/2
1200	1/4	3/8	560	8-3/4
1700	1/2	1/4	500	8-3/4
2025	1/2	0	325	8-3/4
2500	1/2	0	475	8-3/4
2731	1/2	0	231	8-3/4
3230	0	1/2	499	8-3/4
3480	1/2	1/2	250	8-3/4
3972	1	1/2	492	8-3/4
4161	1-1/4	1/4	189	8-3/4
4351	3	1-3/4	190	8-3/4
4414	3	0	63	8-3/4
4500	2-1/2	1/2	86	8-3/4
4601	3	1/2	101	8-3/4
4665	2-1/2	1/2	64	8-3/4
4760	Misrun			
4885	2-3/4	1/4	220	8-3/4
5230	1-3/4	1	345	8-3/4
5651	1	3/4	421	8-3/4

MIAMI AMOCO KAKISA RIVER I-52

BIT RECORD

Bit No.	Depth From	Depth To	Size	Make and Type	Hours Run	Footage
1A	0	598	13-3/4"	Hughes Western OSC3	50	598
2A	598	640	13-1/2"	Reed YHT	2	42
1	640	2026	8-3/4"	Hughes Western X1G	26-3/4	1386
2	2026	2731	8-3/4"	Hughes Western X1G	24¼	705
3	2731	3482	8-3/4"	Hughes Western X1G	30½	751
4	3482	4500	8-3/4"	Hughes Western J33	83¼	1019
5	4500	5238	8-3/4"	Smith F4	60-3/4	738
6	5238	5651	8-3/4"	Security	40¼	413

MIAMI AMOCO KAKISA RIVER I-52

ABANDONMENT PLUGS

Plug #1: 5651' - 5460' Cemented with 90 sacks of neat construction cement. Plug down at 9:20 a.m., February 26, 1974.

Plug #2: 5360' - 5150' Cemented with 100 sacks of construction cement plus 2% $CaCl_2$. Plug down at 10:00 a.m., February 26, 1974. Felt plug #2 at 5142' at 5:15 p.m.

Plug #3: 660' - 610' Cemented with 65 sacks of construction cement plus 3% $CaCl_2$. Plug down at 11:50 p.m., February 26, 1974. Felt plug #3 at 598' at 7:00 a.m., February 27, 1974.

MIAMI AMOCO KAKISA RIVER I-52

WELL HISTORY REPORT

SECTION IV - LOGS

MIAMI AMOCO KAKISA RIVER I-52

LOGS

Date Run	Interval	Type of Log
February 23, 1974	638' - 5645'	Dual Induction-Laterolog
February 23, 1974	638' - 5641'	Borehole Compensated Sonic Log
February 23, 1974	4250' - 5636'	Compensated Neutron-Formation Density

A final print of each log is enclosed in the pocket at the end of this report.

WESTBURNE
~~WARDEAN~~ DRILLING COMPANY LIMITED

DAILY DRILLING LOG

RIG NO. 19 LOCATION Block 109 Miami Amoco KAKISAR 1-52 SQ. ___ SEC. ___ TWP. ___ RGE. ___ W. ___ DATE FEB 28 1974

DIRECTIONS TO WELL 54 mi. NW STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS Rough DAYS FROM SPUD ___

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1	PRESSURE					No. 2	PRESSURE					1 188	250
VISCOSITY					MODEL	S.P.M.					MODEL	S.P.M.					2 188	250
GEL						LINER SIZE						LINER SIZE					3 188	1000
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						SURVEYS At Feet	Degrees	4 188	250
ADDITIVES:					GENERAL:												5 178	250
																	Weather -200	Water
																	Temp.	Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-2400	4		160	94		15292		15792	220

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1	PRESSURE					No. 2	PRESSURE					1	
VISCOSITY					MODEL	S.P.M.					MODEL	S.P.M.					2	
GEL						LINER SIZE						LINER SIZE					3	
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						SURVEYS At Feet	Degrees	4	
ADDITIVES:					GENERAL:												5	
																	Weather	Water
																	Temp.	Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1	PRESSURE					No. 2	PRESSURE					1	
VISCOSITY					MODEL	S.P.M.					MODEL	S.P.M.					2	
GEL						LINER SIZE						LINER SIZE					3	
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						SURVEYS At Feet	Degrees	4	
ADDITIVES:					GENERAL:												5	
																	Weather	Water
																	Temp.	Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	TIME STOP	TIME INTVL
WASH FLOOR & MATTING	8.00		
CHANGE CLUTCH ON PUMP KSOOR			
GENERAL Rigging Out		5.00	
FIRES ___ DRILLER'S SIGNATURE			
TAKE DOWN PREFABS	8.00		
LAY DOWN BOPS			
RIG OUT			
LAY DOWN DERRICK			
DRESS DERRICK FOR			
MOVING TO NEXT			
LOCATION		4.00	8
FIRES ___ DRILLER'S SIGNATURE C. Drummond			
Finish cleaning mud Tanks	8.00		
General rigging out.		4.00	8
FIRES Nil. ___ DRILLER'S SIGNATURE H. Dunlop			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # ___ Boiler Operated: 18 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

Fuel on Hand 12.01 a.m.	1570 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

DAYS FROM SPUD:

EQUIPMENT CHANGES

TRANSFER #

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator Representative N. Hall

Approved by Toolpusher C. Hogue

CONSERVATION BOARD COPY

W 6392

JESTBURNE

Block 109

~~WARDEAN~~ DRILLING COMPANY LIMITED

RIG NO. 19 LOCATION Miami Amoco Kakisar 1-52 LSD. ___ SEC. ___ TWP ___ RGE. ___ W. ___ DATE FEB 27 1974

DAILY DRILLING LOG

DIRECTIONS TO WELL 54 mi. NW STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ___ DAYS FROM SPUD 24

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2	250
GEL					LINER SIZE					LINER SIZE					3	1000
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						4	250
ADDITIVES:					GENERAL:										5	250
															Weather / Temp.	Water Bbls.

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			16074		15292		15792	220

TIME	START	STOP	INTVL
W.O.P.			
Pull to stds circulate hole.	12	12:30	½
Wash down Matting + BOPs	12 30		
Remove Bop lines + Bop Valves			
Start Cleanning Mud Tank		7 00	6½
Run Two stds in + tag Plug +	7 00		
Lay down Pipe		8 00	1
Fell for plug #3 found top @ 598' filled all D.P. @ 7:00AM 2/27/74			
FIRES M. Gervais DRILLER'S SIGNATURE			

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 172	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 172	250
GEL					LINER SIZE					LINER SIZE					3 872	1000
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 872	250
ADDITIVES:					GENERAL:										5 162	250
															Weather / Temp.	Water Bbls.

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

TIME	START	STOP	INTVL
WASH DOWN RIG	8.00		
FLOOR + BOPS			
TAKE VALVES OFF BOPS			
PULL MOUSE HOLE		4.00	8
Rig released @ 2:00 PM 2/27/74			
FIRES C. Durand DRILLER'S SIGNATURE			

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 180	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 180	250
GEL					LINER SIZE					LINER SIZE					3 880	1000
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 880	250
ADDITIVES:					GENERAL:										5 170	250
															Weather / Temp.	Water Bbls.

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

TIME	START	STOP	INTVL
Clean muds tanks.	12:00 noon		
Change heads + liners in pump			
Lay down kelly			
Wash matting			
Restack + cement mud			
finish taking off values + B.O.P.			
bolts.		10:00	
FIRES N.I. J. Buckle DRILLER'S SIGNATURE			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	506 gals.
Rig Savers Chk'd.	Fuel Rec'd Today (add)	1305 gals.
Kelly Cock Chk'd.	TOTAL	1811 gals.
Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	1570 gals.
	FUEL USED	241 gals.

CASING REPORT RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD:

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS: ___ TOTAL CONTRACTOR'S TIME HRS. ___

Approved by Operator's Representative: [signature]

Approved by Toolpusher: C. Shogren

CONSERVATION BOARD COPY

W 6391

WESTBURNE

Block 109

WANDERER DRILLING COMPANY LIMITED

DAILY DRILLING LOG

RIG NO 19 LOCATION Miami Amoco Kakisa 1-52 LSD. SEC. TWP. RGE. W. DATE FEB. 26 1974

DIRECTIONS TO WELL 54 miles NW STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS Rough & Snow DAYS FROM SPUD 25

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
	5651			50M	69	2								24

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	OPEN END																

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 148	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 148	250
GEL					LINER SIZE					LINER SIZE					3 848	1000
															4 848	250
															5 138	250

W.L. F.C. pH DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees

ADDITIVES: GENERAL:

Weather Windy Temp. -28° Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	Wright	1-960	8	5	75	160 74	65	65	15292	2-17-74	15792	220

8 AM TO 4 PM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1	
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2	
GEL					LINER SIZE					LINER SIZE					3	
															4	
															5	

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees

ADDITIVES: GENERAL Ran plug #1, 5651-5460 by Howco w/ 90 sax class A cement plug displaced @ 9:20 AM 2/26/74

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1	
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2	
GEL					LINER SIZE					LINER SIZE					3	
															4	
															5	

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: 660'-610' O. Flow: SURVEYS At Feet Degrees

ADDITIVES: GENERAL Ran plug # 3 by Howco w/ 65 sax class A cement w/ 2% Cal 2 added plug displaced 11:50 PM, 2/26/74.

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	STOP	INTVL
Finish loading out Tester	12 00	12 30	½
Rig Up to Lay down Collars	12 30		
+ Lay down SAME		2 30	2
CLEAN Up FLOOR + Run in	2 30		
Hole Open End. +		7 30	5
TAD Bottom 24' in on Kelly			
Circ. + W.O. Howco	7 30	8 00	½
FIRES M. Gervais DRILLER'S SIGNATURE			
THAW MUD LINES, RIG UP TO RUN	8		
PLUG. RAN PLUG #1 + "2 W.O.C.		10 00	2
PULL 8 STDS WET WOC	10 00		
ROLL D.C. ON MAKE ROOM FOR	11		
D.P.		12	1
CLEAN ICE OFF MATTING	12	2	2
THAW OUT MUD ROLLS	2	4	2
Ran plug #2. 5360-5150 by Howco w/ 100 sax class A cement w/ 2% cal 2 added plug in place @ 10:00 PM			
FIRES DRILLER'S SIGNATURE			
Thaw out mud rolls	4	5	1
Feel for plug # 2	5	5 30	½
Lay down D.P.	5:30	11 00	5½
Rig + run plug # 3 + Run 660-610	11 00	12	1
Feel for plug # to @ 5:00 PM top is 5142 by 5000 lbs			
FIRES N.I. H. Buechler DRILLER'S SIGNATURE			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	1101	gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)		gals.
FUEL USED		gals.

CASING REPORT RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

EQUIPMENT CHANGES

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

W 6390

WESTBURNE

Block 109

[redacted] DRILLING COMPANY LIMITED

DAILY DRILLING LOG

RIG NO. 19 LOCATION Miami Amoco Kakisar 1-52 LSD ___ SEC. ___ TWP. ___ RGE. ___ W. ___ DATE FEB 25 1974

DIRECTIONS TO WELL 54 mi. NW Steen River MAILING POINT Steen River SHIPPING POINT Steen River MILES MOVED 270 ROAD CONDITIONS Rough DAYS FROM SPUD 24

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
5651					55	1	12	6 3/4		30	3.50	3.50		

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 124	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 124	250
GEL					LINER SIZE					LINER SIZE					3 924	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 824	250
ADDITIVES:					GENERAL:										5 114	250

SURVEYS: At Feet / Degrees

Weather ___ Water ___ Temp. ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHTS	1-960	8	1/2	75	15922	65 : 65	15292	2-17-74	15792	220

8 AM TOUR 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
@ 5651					55	1	12	6 3/4					2.50 3.50	

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 132	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 132	250
GEL					LINER SIZE					LINER SIZE					3 832	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 832	250
ADDITIVES:					GENERAL:										5 122	250

SURVEYS: At Feet / Degrees

Weather ___ Water ___ Temp. ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8				65 : 65	15292	2-17-74	15792	220

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
@	5651						12	6 3/4					2.50 3.50	

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 140	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 140	250
GEL					LINER SIZE					LINER SIZE					3 840	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 840	250
ADDITIVES:					GENERAL:										5 130	250

SURVEYS: At Feet / Degrees

Weather ___ Water ___ Temp. ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	Wright	1-960	8	1/2	75	15997	65 : 65	15292	2-17-74	15792	220

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

Fuel on Hand 12.01 a.m.	1570 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	1101 gals.
FUEL USED	469 gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD:

EQUIPMENT CHANGES

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative [signature]

Approved by Toolpusher C. Hogan

REMARKS

	TIME START	TIME STOP	INTVL
Run in 3 stds. + 1 single +	12.00		
Make up Packer			
Pick up 3 more Drill Collars		3.00	
Run ~~tst~~ Test	5.00	8.00	
FIRES M. Gordon DRILLER'S SIGNATURE			
BLOW FLARE LINE +	8.00		
RIG LINES TO TEST		9.30	1 1/2
HEAD UP + TEST	9.30	11.45	2 1/4
PULL PACKER LOOSE +	11.45		
TRIP OUT D.S.T. #1		4.00	4 1/4
3250 FT. FLUID.			
Ran DST #1 by Lynes United 5180-5290			
straddle 4, 7 3/4 cbw. packers Re flow 3, 15130 ft			
FP 60, FSI 45, Rec. 3252' brackish salt water + mud			
IHP 2571, ISIP 1666, IFP 803, FFP 1626, FSI 1686			
FIRES FHP 2561 C. Dowland DRILLER'S SIGNATURE			
Hoist D.S.T. #1 (wet)	4:00	6:45	2 3/4
Rig service	6:45	7:00	1/4
Break + lay down Packer.	7:00		
+ load out same.		12.00	5
FIRES Nil H. Buckley DRILLER'S SIGNATURE			

CONSERVATION BOARD COPY

W 6389

WESTBURNE
~~WESTERN~~ DRILLING COMPANY LIMITED

DAILY DRILLING LOG

RIG NO. 19 LOCATION Miami Amoco Block 109 Kakisar 1-52 LSD. ___ SEC. ___ TWP. ___ RGE. ___ W. ___ DATE FEB 24 1974

DIRECTIONS TO WELL 54 mi NW STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS Rough DAYS FROM SPUD 23

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
5651														

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1	PRES. SURE					No. 2	PRES. SURE					1 900	250
VISCOSITY					MODEL	S.P.M.					MODEL	S.P.M.					2 100	250
GEL						LINER SIZE						LINER SIZE					3 800	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:			U. Flow:		O. Flow:							4 800	250
ADDITIVES:					GENERAL:												5 906	250

SURVEYS: At Feet / Degrees

Weather ___ Water ___ Temp. ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15772	65	65	15792	2-17-74	15792	220

REMARKS	TIME START	STOP	INTVL
Finish Lay Down Collar	12 00	3 30	3½
Trip in W/ Pipe open End	3 30		
pick up pipe to lay down DC		8 00	4½

FIRES ___ M. Gervais DRILLER'S SIGNATURE

8 AM TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
@ 5651				54	59	2								

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT			9.1		No. 1	PRES. SURE					No. 2	PRES. SURE					1 108	250
VISCOSITY			42		MODEL	S.P.M.					MODEL	S.P.M.					2 108	250
GEL						LINER SIZE						LINER SIZE					3 808	1000
W.L. 9.1	F.C. 2/32		pH. 9.5		DESILTER: Hours Op:			U. Flow:		O. Flow:							4 808	250
ADDITIVES:					GENERAL:												5 98	250

SURVEYS: At Feet / Degrees

Weather ___ Water ___ Temp. ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			15772	65	65	15792	2-17-74	15792	220

REMARKS	TIME START	STOP	INTVL
RIG SER + W BOPS	8.00	8.30	½
PICK UP PIPE + RIG	8.30		
UP TO CIRC.		10.00	1½
CIRC.	10.00	2.30	4½
MEASURE OUT	2.30	4.00	1½

FIRES ___ C. Durand DRILLER'S SIGNATURE

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
@	5651				59	2	9	6¾						

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1	PRES. SURE					No. 2	PRES. SURE					1 116	250
VISCOSITY					MODEL	S.P.M.					MODEL	S.P.M.					2 116	250
GEL						LINER SIZE						LINER SIZE					3 806	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:			U. Flow:		O. Flow:							4 816	250
ADDITIVES:					GENERAL:												5 106	250

SURVEYS: At Feet 5651 / Degrees 1°

Weather ___ Water ___ Temp. ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8	½	75	15847	65	65	15292	2-17-74	15792	220

REMARKS	TIME START	STOP	INTVL
Hoist measure out	4.00	6:30	2½
Rig service + Blind Rams	6:30	6:45	¼
Pick up 9 D/collars	6:45	10:00	3¼
Wait for tester	10 00	12 00	2

FIRES ___ Nil ___ H. Buckler DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓			
Pipe Rams.	✓			
Blind Rams.	✓			

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.		
Rig Savers Chk'd.		
Kelly Cock Chk'd.		
Fire Equip. Chk'd.		

Fuel on Hand 12.01 a.m.	1898 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	1570 gals.
FUEL USED	328 gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % ___ PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 23

EQUIPMENT CHANGES

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative: B. Stahl

Approved by Toolpusher: C. Skogren

CONSERVATION BOARD COPY

W 6388

WestBurne
~~Morgan~~ DRILLING COMPANY LIMITED

Block 109

RIG NO. 19 LOCATION Mitsui Amoco Kakisar 1-52 LSD. ___ SEC. ___ TWP. ___ RGE. ___ W. ___ DATE FEB 23 1974

DAILY DRILLING LOG

DIRECTIONS TO WELL 34 miles NW Steen River MAILING POINT Steen River SHIPPING POINT Steen River MILES MOVED 270 ROAD CONDITIONS Rough DAYS FROM SPUD 22

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
5651				88	53		15 / 9 / 3	6 3/4 / 6 1/4 / 4 3/4	2 7/8	609.03				19

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
6	8 3/4	M84	1/18 3/10	460624			413	40 1/4							6	4	1

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT				9.6	No. 1 PRESSURE					No. 2 PRESSURE					1 76	250
VISCOSITY				60	MODEL S.P.M.					MODEL S.P.M.					2 76	250
GEL					LINER SIZE					LINER SIZE					3 776	1000
W.L. 9.6	F.C. 2/22		pH 9.5		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 776	250
ADDITIVES:					GENERAL:										5 68	250
Gel - 1500 #															Weather D. Cold	Water
															Temp. -25°	Bbls.

SURVEYS: At Feet 5650, Degrees 1°

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8		~~[illegible]~~	15518	65	65	15292	2-17-74	15792	220

REMARKS	TIME START	STOP	INTVL
Blow Kelly & Trip 28 Std.	12 00		
Dumpy Trip		3 00	3
Circ. & Condition Mud	3 00	5 30	2 1/2
DROPPED SURVEY	5 30	5 45	1/4
Blow Kelly & BREAK kelly hose off & Hosit to Log	5 45	8 00	2 1/4

FIRES M. Gervais DRILLER'S SIGNATURE

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
5651					53		15 / 9 / 3	6 3/4 / 6 1/4 / 4 3/4	2 7/8	609.03			21.76	19

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 84	250
VISCOSITY	Logging				MODEL S.P.M.	Logging				MODEL S.P.M.					2 84	250
GEL					LINER SIZE					LINER SIZE					3 784	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 784	250
ADDITIVES:					GENERAL:										5 74	250
															Weather	Water
															Temp.	Bbls.

SURVEYS: At Feet, Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8	1/2	104	15622	65	65	15292	2-17-74	15792	220

REMARKS	TIME START	STOP	INTVL
FINIS TRIP OUT TO LOG	8.00	10.30	2 1/2
RIG TO LOG & LOG	10.30	4.00	5 1/2
Desilter shut off & disconnected also shock sub.			

FIRES C. Durand DRILLER'S SIGNATURE

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
@5651														

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 92	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 92	250
GEL					LINER SIZE					LINER SIZE					3 792	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 792	250
ADDITIVES:					GENERAL: 1/2 gal Tri-Sorg in mud light plant.										5 82	250
															Weather	Water
															Temp.	Bbls.

SURVEYS: At Feet, Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8				65	65	15292	2-17-74	15792	220

REMARKS	TIME START	STOP	INTVL
LOGGING	4.00	8 30	4 1/2
Tear out Logging Equipment	8 30	9 00	1/2
Run in w/ Drill Collars & Lay down 3-4 3/4, 3-6 1/4 & 3-6 3/4' B.C. D.L. 635-5651	9 00	12 00	3
2"&5" D.I.L. 635-5651, 2"&5" CNFD & FDL 4180-5651 both 5" scale by Schlumberger.			

FIRES M. Gervais DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓			
Pipe Rams.	✓			
Blind Rams.				

TOTCO RING ON BIT # 6 Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	2349 gals.
Rig Savers Chk'd.	Fuel Rec'd Today (add)	1898 gals.
Kelly Cock Chk'd.	TOTAL	gals.
Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	gals.
	FUEL USED	451 gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUG DOWN ___ A.M. P.M. ___ PLUS ___ %

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 22

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

EQUIPMENT CHANGES: SAMPLE BOY NOT IN USE FROM 1201 AM Feb 23/74

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

W 6387

WESTBURNE
~~WARDEN~~ DRILLING COMPANY LIMITED

BLOCK 109

DAILY DRILLING LOG

RIG NO. 19 LOCATION MIAMI AMOCO KAISER 1-52 LSD ___ SEC. ___ TWP. ___ RGE. ___ W. ___ DATE FEB 22 1974

DIRECTIONS TO WELL 54 mi. NW STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD 21

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
5440	66	5506	7 3/4	90	51	1	15 / 3 / 3	6 3/4 / 6 1/4 / 4 3/4	2 1/2	609.03				

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
6	8 3/4	M88	1/8 x 3/10	460624	40	50	268	26 1/4			1	1100	60		DRLG		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.5	9.5	9.5	9.5	No. 1	PRES. SURE	1100	1100	1100	1100	No. 2	PRES. SURE					1 52	250
VISCOSITY	36	38	43	39	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.					2 52	250
GEL					K500	LINER SIZE	5 1/2 x 15					LINER SIZE					3 652	1000

W.L. 10 F.C. 2/32 pH 9.5 DESILTER: Hours Op: 8 U. Flow: 10:1 O. Flow: 9.4 SURVEYS At Feet Degrees

ADDITIVES: 100 CAUSTIC SODA GENERAL: DUMP TANK: 50 BBLS

1000# GEL. 100# BARIUM CARBONATE 1" STREAM WATER.

400# SODA ASH 50# PELTEX 1/2# BENEX 10 GAL D.E. 50 CMC

4 752 250 5 42 250 Weather Temp. Water 1006 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15568	65	65	15292	2-17-74	15792	220

REMARKS

	TIME START	STOP	INTVL
Rig Service	12:00	12:15	1/4
DRLG 8 3/4 Hole	12:15	8	7 3/4

FIRES nil R. Huber DRILLER'S SIGNATURE 8

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
5506	80	5586	7 3/4	88	52	1	15 / 3 / 3	6 3/4 / 6 1/4 / 4 3/4	2 1/2	609.03				

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
6	8 3/4	M88	1/8 x 3/10	460624	20-40	40-60	354	34			1	1100	60		DRLG		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.5	9.5	9.5	9.5	No. 1	PRES. SURE	1100	1100	1100	1100	No. 2	PRES. SURE					1 60	250
VISCOSITY	39	40	42	48	MODEL	S.P.M.	60	60		60	MODEL	S.P.M.					2 60	250
GEL					K500	LINER SIZE	5 1/2 x 15					LINER SIZE					3 660	1000

W.L. 12.2 F.C. 2/32 pH 9.0 DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees

ADDITIVES: GEL 1-3000# GENERAL:

Carbonate - 50# Dakolite - 50#

Soda Ash - 100# Caustic - 100# CMC - 100#

4 760 250 5 50 250 Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15568	65	65	15292	2/17/74	15792	220

REMARKS

	TIME START	STOP	INTVL
DRLG 8 3/4" Hole	8:00	9:15	1 1/4
Rig Serv. & V Bops	9:15	9:30	1/4
DRLG. 8 3/4" Hole	9:30	4:00	6 1/2

FIRES M. Gervais DRILLER'S SIGNATURE

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
5586	65	5651	6 1/4	88	53		15 / 3 / 3	6 3/4 / 6 1/4 / 4 3/4	2 1/2	609.03			21.76	19

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
6	8 3/4	M88	1/8 x 3/10	460624	30	50	413	40 1/4			1	1200	60				

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.6	9.5	9.6	9.6	No. 1	PRES. SURE	1100	1100	1100	1200	No. 2	PRES. SURE					1 68	250
VISCOSITY	54	56	55	54	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.					2 68	250
GEL					K500	LINER SIZE	5 1/2 x 15					LINER SIZE					3 668	1000

W.L. 9.4 F.C. 3/32 pH 9.5 DESILTER: Hours Op: 8 U. Flow: 10.6 O. Flow: 9.4 SURVEYS At Feet Degrees

ADDITIVES: Water 1" stream GENERAL:

Gel = 1200 lbs Barium Carb = 50 lbs.

Soda Ash: 100 C.M.C = 50 lbs.

4 768 250 5 58 250 Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			15568	65	65	15292	2-17-74	15792	220

TD 5651

FIRES C. Dumonde DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓			
Pipe Rams.	✓			
Blind Rams.				

TOTCO RING ON BIT # 6 Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	3089 gals.
Fuel Rec'd Today (add)	1349 gals.
TOTAL	4438 gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	740 gals.

CASING REPORT RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 21

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

W 6386

WESTBURNE

BLOCK 109

WORLDEAN DRILLING COMPANY LIMITED

DAILY DRILLING LOG

RIG NO 19 LOCATION Miami Area Kakisar 1-52 LSD ___ SEC ___ TWP ___ RGE ___ W ___ DATE FEB 21 1974

DIRECTIONS TO WELL 54 mi NW Steen River MAILING POINT Steen River SHIPPING POINT Steen River MILES MOVED 270 ROAD CONDITIONS Rough DAYS FROM SPUD 20

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
5238		5275'	3	80m	49		15 / 3 / 3	6 3/4 / 6 1/4 / 4 3/4	2 7/8	609.03				

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	5	8 3/4	F4	1/12 3/10	RF525			738	64 3/4			1	1000	60		34	1	1
	6	8 3/4	M88	1/12 3/10	460624	20m	50		3			1	1000	60		DRLG		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE				1000	No. 2 PRESSURE					1 28	250
VISCOSITY	TR	1			MODEL				60	MODEL					2 28	250
GEL					K54 LINER SIZE	5 1/2 X 15				LINER SIZE					3 628	1000
W.L.	F.C.		pH.		DESILTER: Hours Op: 3		U. Flow:		O. Flow:						4 728	250
ADDITIVES:			9		GENERAL:										5 18	250

SURVEYS: At Feet 5230, Degrees 1 3/4

Weather ___ Temp. ___ Water ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8	1/2	72	15568	65	65	15292	2-17-74	15792	220

FIRES nil — Ben Hicken DRILLER'S SIGNATURE

8 AM TO 4 PM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
5275'	85	5360	8	80m	50		15 / 3 / 3	6.25 / 6.25 / 4.75	2 7/8	609.03				28

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	6	8 3/4	M88	1/12 3/10	460624	20-40	40-50	122	11			1	1100	60		DRLG.		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.6	9.7	9.6	9.7	No. 1 PRESSURE	1000	1100	1100	[illegible]	No. 2 PRESSURE					1 36	250
VISCOSITY	39	38	39	40	MODEL	60	60	60	60	MODEL					2 36	250
GEL					LINER SIZE					LINER SIZE					3 636	1000
W.L. 9.6	F.C. 2/32		pH. 9.5		DESILTER: Hours Op: 8		U. Flow: 10.4		O. Flow: 9.6						4 736	250
ADDITIVES:					GENERAL:										5 26	250

SURVEYS: At Feet 5230, Degrees 1 3/4

Weather ___ Temp. ___ Water ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15568	65	65	15292	2-17-74	15792	220

FIRES ___ M. [illegible] DRILLER'S SIGNATURE

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
5360	80	5440	7 1/2	90	50	2	15 / 3 / 3	6 3/4 / 6 1/4 / 4 3/4	2 7/8	609.03			21.76	11

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	6	8 3/4	M88	1/12 3/10	460624	30-40	50	202	18 1/2			1	1100	60		11		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.6	9.6	9.5	9.5	No. 1 PRESSURE	1100	1100	1100	1100	No. 2 PRESSURE					1 44	250
VISCOSITY	39	39	38	38	MODEL K-500	60	60	60	60	MODEL					2 44	250
GEL					LINER SIZE	5 1/2 x 15				LINER SIZE					3 644	1000
W.L. 9.8	F.C. 2/32		pH. 9.5		DESILTER: Hours Op: 8		U. Flow: 10.2		O. Flow: 9.4						4 744	250
ADDITIVES: Water 1" Stream.					GENERAL:										5 34	250

CMC: 50 lbs Soda Ash: 200 lbs.
Defoliate: 50 lbs Barium Carb: 100 lbs.

SURVEYS: At Feet ___, Degrees ___

Weather ___ Temp. ___ Water ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15568	65	65	15292	2-17-74	15792	220

FIRES ___ C. Durand DRILLER'S SIGNATURE

REMARKS	TIME START	TIME STOP	TIME INTVL
HOIST BIT #5	12:00	1:00	1
RECOVER SURVEY BBL + MAKE UP BIT #6	1:00	1:15	1/4
RIG SERVICE CHECK BLIND RAMS	1:15	1:30	1/4
RUN IN HOLE	1:30	4:30	3
PICK UP KELLY AND CLEAN 30'	4:30		
TO BOTTOM		5:00	1/2
DRLG 8 3/4 HOLE	5:00	8:00	3
DRLG 8 3/4" HOLE	8:00	4:00	8
DRILL 8 3/4 HOLE	4:00	6:30	2 1/2
WORK TO LIGHT PLANT +	6:30		
RIG SERVICE & V BOPS		7:00	1/2
DRILL 8 3/4 HOLE	7:00	12:00	5

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

Fuel on Hand 12.01 a.m. 3757 gals.
Fuel Rec'd Today (add) ___ gals.
TOTAL ___ gals.
Fuel on Hand 11.59 p.m. (deduct) 3089 gals.
FUEL USED 668 gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M.

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 20

TOTCO RING ON BIT # 6 Boiler Operated: 24 Hrs.

CEMENT RETURNS - (YES/NO)

EQUIPMENT CHANGES

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative [signature]

Approved by Toolpusher [signature]

CONSERVATION BOARD COPY

W 6385

WESTBURNE
~~WARDEAN~~ DRILLING COMPANY LIMITED

BLOCK 109

RIG NO. 19 LOCATION MIAMI AMOCO KAKISAP 1-52 LSD. ___ SEC. ___ TWP. ___ RGE. ___ W. ___ DATE FEB 20 1974

DAILY DRILLING LOG

DIRECTIONS TO WELL 54 mi N.W. STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD 19

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
5011	89	5100	8	78 m.	47		15 / 3 / 3	6 3/4 / 6 1/4 / 4 3/4	2 7/8	609.03				6

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8 3/4	F4	1/22 3/10	RF525	38-40	50	600	53				1000-1100	60		DRLG		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.6	9.6	9.6	9.7	No. 1	PRESSURE	1100	1100	1000		No. 2	PRESSURE					1 4	250
VISCOSITY	44	39	41	52	MODEL	S.P.M.	60	60	60		MODEL	S.P.M.					2 4	250
GEL					K-500	LINER SIZE	5 1/2 X 15					LINER SIZE					3 604	1000
																	4 704	250
																	5 742	250

W.L. F.C. pH. 9.0 DESILTER: Hours Op: 8 U. Flow: O. Flow:

SURVEYS: At Feet / Degrees

ADDITIVES: 300 SODA ASH GENERAL: CHG. OIL IN FLOOR MOTORS AND FILTERS

150 BARIUM CARBONATE 50 PELTEX

100 CMC HOOKED FUEL E.M.

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15252	65	15292	2-17-74	15792	220

FIRES Nil DRILLER'S SIGNATURE Ben Hudson

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
5100	95	5195	7 3/4	80 m.	48		15 / 3 / 3	6 3/4 / 6.25 / 4.75	2 7/8	608.03				5

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8 3/4	F4	1/22 3/10	RF525	40 m.	50	695	60 3/4			1	1000	60		DRLG.		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.6	9.5	9.7	9.7	No. 1	PRESSURE	1000	1000	1000	1000	No. 2	PRESSURE					1 12	250
VISCOSITY	44	38	33	39	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.					2 12	250
GEL						LINER SIZE						LINER SIZE					3 612	1000
																	4 712	250
																	5 750	250

W.L. 12 F.C. 432 pH. 9.5 DESILTER: Hours Op: 8 U. Flow: 10.3 O. Flow: 9.6

SURVEYS: At Feet / Degrees

ADDITIVES: BCE 1200 # GENERAL: Manage shaker Trouble

Barium Caustic 50 # Peltex 50 # Soda Ash 200 #

Carbonate 100 # CMC 150 # 2" Penix 1" stream water

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			15352	65	66	15292	2-17-74	15792	220

FIRES ~~Nil~~ DRILLER'S SIGNATURE M. Gervais

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
5195	43	5238	4	80	48	2	15 / 3 / 3	6 3/4 / 6 1/4 / 4 3/4	2 7/8	609.03			21.76	23

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8 3/4	F4	1/22 3/10	RF525	20/30	50	738	4 3/4			1	1000	60				

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.6	9.6	9.7		No. 1	PRESSURE	1000	1000	1000		No. 2	PRESSURE					1 20	250
VISCOSITY	43	41	39		MODEL	S.P.M.	60	60	60		MODEL	S.P.M.					2 20	250
GEL					K 500	LINER SIZE	5 1/2 X 15					LINER SIZE					3 620	1000
																	4 720	250
																	5 10	250

W.L. 10.6 F.C. 2/32 pH. 9.5 DESILTER: Hours Op: 8 U. Flow: 10.2 O. Flow: 9.6

SURVEYS: At Feet / Degrees 5230

ADDITIVES: Water 1" 9 tr-cam. GENERAL: Change oil in Amp. PLANT & FILTERS

Peltex = 50 lbs.

Oakolite = 50 lbs. C.M.C. = 100 lbs.

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8	1/2	144	15496	65	65	15292	2-17-74	15792	220

FIRES DRILLER'S SIGNATURE C. Durand

REMARKS	TIME START	STOP	INTVL
DRLG 8 3/4" HOLE	12 00	8	
DRLG. 8 3/4" Hole.	8 00	1 45	5 3/4
Rig Serv. & BOPs	1 45	2 00	1/4
DRLG. 8 3/4" Hole	2 00	4 00	2
Held BOP Drill			
RIG SERVICE &	4.00	4.15	1/4
DRILL 8 3/4 HOLE	4.15	8.15	4
CIRC SAMPLE	8.15	9.00	3/4
SURVEY & BLOW KELLY	9.00	9.15	1/4
TRIP OUT BIT #5	9.15	12.00	2 3/4

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓			
Pipe Rams.	✓			
Blind Rams.				

Crown-o-matic Chk'd. / Rig Savers Chk'd. / Kelly Cock Chk'd. / Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m.	1052	gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)	3757	gals.
FUEL USED		gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 19

EQUIPMENT CHANGES

TOTCO RING ON BIT # 5 Boiler Operated: 24 Hrs.

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

W 6384

WESTBURNE
WARDEN DRILLING COMPANY LIMITED

BLOCK 109

DAILY DRILLING LOG

RIG NO 19 LOCATION MIAMI Bruce KERISA R. 1-52 LSD ___ SEC. ___ TWP. ___ RGE. ___ W. ___ DATE FEB 18 1974

DIRECTIONS TO WELL 54 miles NW. STONY RIVER MAILING POINT STONY RIVER SHIPPING POINT STONY RIVER MILES MOVED 270 ROAD CONDITIONS Rough DAYS FROM SPUD 17

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
4500	75	4575	8	75M	41	2	15 3 3 3	6 3/4 6 1/4 4 3/4	2 7/8	609.03				26

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8 3/4	F4	1/12 3/16	RF525	25-30	55-60	75	8			1	850T	60		IN		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.9	9.8	9.7	9.7+	No. 1	PRESSURE	850	850	850	850	No. 2	PRESSURE					1 676	500
VISCOSITY	40	39	37	36	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.					2 676	250
GEL					K500	LINER SIZE	5 1/2 x 16					LINER SIZE					3 556	1000
W.L. 9.0	F.C. 2/32		pH. 9.5		DESILTER: Hours Op: 7 1/2			U. Flow: 10.2		O. Flow: 9.7							4 636	250
ADDITIVES: 50 CAUSTIC SODA					GENERAL:												5 694	250
900 GEL																	Weather	Water
1" WATER																	Temp.	125 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	[illegible]	1-910	8			[illegible]	65	65	[illegible]	2-13-74	15792	220

SURVEYS

At Feet	Degrees

REMARKS	TIME START	STOP	INTVL.
DRLG 8 3/4 Hole	12:00	8:00	8
FIRES Nil — B. Hughes DRILLER'S SIGNATURE			8

8 AM TO 4 PM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
4575	90	4665	7 1/4	74m.	42	1	15 3 3 3	6 3/4 6 1/4 4 3/4	2 7/8	609.03				DOWN

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8 3/4	F4	1/12 3/16	RF525	30 40	60 54	165	5 1/4			1	850	60			IN	

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.7	9.8	9.9	9.6	No. 1	PRESSURE	850	850	850	850	No. 2	PRESSURE					1 684	500
VISCOSITY	37	39	38	37	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.					2 684	250
GEL						LINER SIZE						LINER SIZE					3 564	1000
W.L.	F.C.		pH.		DESILTER: Hours Op: 8			U. Flow: 10.3		O. Flow: 9.7							4 644	250
ADDITIVES: Gel 2000#					GENERAL: SLAVE POINT 4612'KB												5 702	250
4 = Bentonite																	Weather	Water
4" stream water																	Temp.	Bbls.

SURVEYS

At Feet	Degrees
4601	3°
4665	2 1/2

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	Wright	1-960	8			15352	65	65	15292	2-17-74	15792	220

REMARKS	TIME START	STOP	INTVL.
DRLG. 8 3/4" Hole	8:00	10:30	2 1/2
SURVEY @ 4601	10:30	10:45	1/4
Rig Serv. + ↘ BOPs	10:45	11:00	1/4
DRLG. 8 3/4" Hole	11:00	3:45	4 3/4
SURVEY @ 4665 2 1/2	3:45	4:00	1/4
FIRES M. Gervais DRILLER'S SIGNATURE			

4 PM TO MIDNIGHT TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
4665	95	4760	7 1/4	78	43	2	15 3 3 3	6 3/4 6 1/4 4 3/4	2 7/8	609.03				31

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8 3/4	F4	1/12 2/16	RF525	40	55	260	22 1/2			1	850	55		IN		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.8	9.7	9.7	9.7	No. 1	PRESSURE	850	850	850	850	No. 2	PRESSURE					1 692	500
VISCOSITY	38	39	41	40	MODEL	S.P.M.	55	55	55	55	MODEL	S.P.M.					2 692	250
GEL						LINER SIZE						LINER SIZE					3 572	1000
W.L. 8.8	F.C. 2/32		pH. 9.0		DESILTER: Hours Op: 4			U. Flow: 10.3		O. Flow: 9.7							4 652	250
ADDITIVES: Water 1" Stream					GENERAL:												5 710	250
																	Weather	Water
																	Temp.	Bbls.

SURVEYS

At Feet	Degrees
4760	M.R.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	Wright	1-960	8			15352	65	65	15292	2-17-74	15792	220

REMARKS	TIME START	STOP	INTVL.
RIG SERVICE	4:00	4:15	1/4
DRILL 8 3/4 HOLE	4:15	11:30	7 1/4
SURVEY @ 4760 MISS RUN	11:30	12:00	1/2
FIRES C. Durand DRILLER'S SIGNATURE			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓			
Pipe Rams.	✓			
Blind Rams.				

TOTCO RING ON BIT = 5 Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. | Rig Savers Chk'd. | Kelly Cock Chk'd. | Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m.	2975	gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)	1954	gals.
FUEL USED	1021	gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 17

EQUIPMENT CHANGES

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative: [signature]

Approved by Toolpusher: [signature]

CONSERVATION BOARD COPY

W 6382

WEST BURNE

BLOCK 109

WARDEAN DRILLING COMPANY LIMITED

DAILY DRILLING LOG

RIG NO. 19 LOCATION MIAMI AMOCO KEISER A 1-52 LSD ___ SEC. ___ TWP ___ RGE. ___ W. ___ DATE FEB 19 1974

DIRECTIONS TO WELL 54 mi NW STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD 18

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
4760	85	4845	7½	78 M	44	1	15 / 3 / 3	6¾ / 6¼ / 4¾	2⅞	609.03				8

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8¾	F4	1/22 3/10	RF525	38-40	50	340	30			1	900	60				

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.8	9.7+	9.7+	9.8	No. 1 PRESSURE	900	900	900	900	No. 2 PRESSURE					1 700	500
VISCOSITY	42	57	42	38	MODEL S.P.M.	59	60	59	60	MODEL S.P.M.					2 700	250
GEL					K500A LINER SIZE	5½	x	15		LINER SIZE					3 580	1000
W.L. 9.5	F.C. 3/32	pH. 9.5			DESILTER: Hours Op: 8	U. Flow:		O. Flow:							4 680	250
ADDITIVES: 600# SODA ASH					GENERAL:										5 718	250
															Weather / Temp. 10+	Water 110 Bbls.

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15352	65	65	15292	2-17-74	15792	220

FIRES Nil — Ben Huber DRILLER'S SIGNATURE

REMARKS	TIME START	STOP	INTVL
Rig Service	12:00	12:15	¼
Drill 8¾ Hole	12:15	6:00	5¾
Check Fluid Clutch	6:00	6:15	¼
Drill 8¾ Hole	6:15	8:00	1¾

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
4845	80	4925	7¼	78	45	1	15 / 3 / 3	6¾ / 6¼ / 4¾	2⅞	609.03				

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8¾	F4	1/22 3/10	RF525	38-40	50	420	37½			1	1000	60		DRLG.		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.8	9.9			No. 1 PRESSURE	1000	1000	1000	1000	No. 2 PRESSURE					1 708	500
VISCOSITY	38	37			MODEL S.P.M.	60	60	60	60	MODEL S.P.M.					2 708	250
GEL					LINER SIZE					LINER SIZE					3 588	1000
W.L. 10	F.C. 2	pH. 9.5			DESILTER: Hours Op: 8	U. Flow:		O. Flow:							4 688	250
ADDITIVES: Soda Ash 600#					GENERAL: Change oil in										5 726	250
Barium Carbonate 250#					Desilter motor.										Weather / Temp.	Water Bbls.
C.M.C. 50#																

SURVEYS: At Feet 4886 / Degrees 2¾

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15352	65	65	15292	2-17-74	15792	220

FIRES — M. Gervais DRILLER'S SIGNATURE

REMARKS	TIME START	STOP	INTVL
DRLG.	8:00	11:30	3
Survey @ 4885'	11:00	11:30	½
Rig Serv. & BOPs	11:30	11:45	¼
DRLG	11:45	4:00	4¼

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
4925	86	5011	7¾	78	46		15 / 3 / 3	6¾ / 6¼ / 4¾	2⅞	609.03			21.76	—

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8	F4	1/22 3/10	RE525	38-40	50	500	45			1	1100	60		1D		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.9	9.8	9.7	9.6	No. 1 PRESSURE	1000	1000	1100	1100	No. 2 PRESSURE					1 716	500
VISCOSITY	Gelled			48	MODEL S.P.M.	60	60	60	60	MODEL S.P.M.					2 716	250
GEL					K 500 LINER SIZE	5½	x	15		LINER SIZE					3 596	1000
W.L. 11.2	F.C. 2/32	pH. 9.0			DESILTER: Hours Op: 8	U. Flow: 10.2		O. Flow: 9.6							4 696	250
ADDITIVES: Water 1" stream.					GENERAL: Dump 100 BBLS. to sump										5 734	250
C.M.C. = 100 lbs Potex = 400 lbs Caustic = 100 lbs.															Weather / Temp.	Water Bbls.
Soda Ash = 400 lbs Barium Carb = 150 lbs Diesel = 45 gals.																

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			15352	65	65	15292	2-17-74	15992	220

FIRES — C. Dumond DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓			
Pipe Rams.	✓			
Blind Rams.				

TOTCO RING ON BIT # 5 — Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ✓ — Rig Savers Chk'd. — Kelly Cock Chk'd. — Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m.	1954 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	1052 gals.
FUEL USED	902 gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 18

EQUIPMENT CHANGES

TOTAL COMPANY TIME ___ HRS. — TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative: [signature]

Approved by Toolpusher: [signature]

CONSERVATION BOARD COPY

W 6383

WESTBURNE

BLOCK 109

WARDEAN DRILLING COMPANY LIMITED

DAILY DRILLING LOG

RIG NO 19 LOCATION MIEMP Block Kaiser 1-52 LSD ___ SEC. ___ TWP. ___ RGE. ___ W. ___ DATE FEB 17 1974

DIRECTIONS TO WELL 54 mi NW STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS Rough DAYS FROM SPUD 16

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
4146	54	4500	3 3/4	72	40	2	15 3 3	6 3/4 6 1/4 4 3/4	2 7/8	609.03				8

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	J33	1/18 3/10	46610	50	70	1019	53 1/4				500	60		1	7	1

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.8+	9.8+			No. 1 PRESSURE	850	850	800		No. 2 PRESSURE					1 652	500
VISCOSITY		38			MODEL S.P.M.	60	60	60		MODEL S.P.M.					2 652	250
GEL	38+				K59 LINER SIZE	5 1/2 x 15				LINER SIZE					3 532	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 612	250
ADDITIVES:					GENERAL:										5 672	250

Tested casing to HB Hydril & pipe rams w/ 1500 PSI for 15 min. Hook tester OK. BK

SURVEYS At Feet / Degrees

Weather / Temp. / Water / Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8	1/2	92	15292	65	65	14789	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL
DRLG 8 3/4" Hole	12:00	3:45	3 3/4
Circulate Sample	3:45	4:15	1/2
Drop survey Blowdown & plant	4:15	4:30	1/4
out w/ Bit #4 measured out	4:30	8:00	3 1/2
FIRES Nil	DRILLER'S SIGNATURE M. Gervais		8

8 AM TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
4500					40	2	15 3 3	6 3/4 6 1/4 4 3/4	2 7/8	609.03				8

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8 3/4	F4	1/22 3/10	RF525													

casing tested out to 700 K.P.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 660	500
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 660	250
GEL					LINER SIZE					LINER SIZE					3 540	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 620	250
ADDITIVES:					GENERAL:										5 680	250

SURVEYS At Feet: 4500 Degrees: 2 1/2

Weather / Temp. / Water / Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8	3		15292	65	65	14789	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL
Hosit Bit #4 & SLM out.	8:00	9:00	1
Pick up 2 singles & Rig Up	9:00		
Csg. Testing Plug & Rig kill line to Cg. Bowl &			
Pressure Up Hydril to 1600# Held O.K.			
Pressure Up Pipe Rams to 1500# Held O.K.			
Check Motor Shut off			
Lay down Singles & Test Plug		3:30	6 1/2
Make Up Bit #5 Smith F4	3:30	4:00	1/2
FIRES	DRILLER'S SIGNATURE M. Gervais		

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
4500				75	40	2	15 3 3	6 3/4 6 1/4 4 3/4	2 7/8	609.03				8

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
5	8 3/4	F4	1/22 3/10	RF525													

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT		Trip			No. 1 PRESSURE		Trip			No. 2 PRESSURE					1 668	500
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 668	250
GEL					K500 LINER SIZE	5 1/2 x 15				LINER SIZE					3 548	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 628	250
ADDITIVES:					GENERAL:										5 688	250

SURVEYS At Feet / Degrees

Weather / Temp. / Water / Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8	1 1/2	60	15352	65	65	15291	2-17-74	15291	225

REMARKS	TIME START	STOP	INTVL
RUN COLLARS IN	4:00	5:00	1
SLIP & CUT 65' D/LINE	5:00	6:00	1
RIG SERVICE	6:00	6:15	1/4
TRIP IN	6:15	8:00	1 3/4
HOOK UP HEATERS IN SUB	8:00	10:00	2
FINISH IN	10:00	11:00	1
CLEAN 80' TO BOTTOM	11:00	12:00	1
FIRES	DRILLER'S SIGNATURE C. Dessaint		

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seat Inspected Date
Hydril	✓		1500	
Pipe Rams.	✓		1500	
Blind Rams.				

TOTCO RING ON BIT #

Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	OK
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	2975 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher C. Shogan

CONSERVATION BOARD COPY

W 6381

WESTBURNE

[redacted] DRILLING COMPANY LIMITED

DAILY DRILLING LOG

RIG NO. 19 LOCATION Miami Amoco KAKISA R 1-52 BLOCK 109 LSD. SEC. TWP. RGE. W. DATE FEB 16 1974

DIRECTIONS TO WELL 54 NW STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD 15

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
4200	96	4296	8	71m	38	2	15 / 3	6¾ / 6¼	2⅞	609.03				23

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	4	8¾	J33	1/14 3/10	46610	20-30	70	815	64¼			1	850	60			1N	

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.9	9.85	9.8	9.9	No. 1	PRESSURE	800	800	800	850	No. 2	PRESSURE					1 628	500
VISCOSITY	36	37	37	36	MODEL	S.P.M.	60	60	60		MODEL	S.P.M.					2 628	250
GEL					K500	LINER SIZE	5½	x 15				LINER SIZE					508 ~~492~~	1000

W.L. 9.4 F.C. 2/32 pH. 9.5 DESILTER: Hours Op: 8 U. Flow: 102 O. Flow: 7.8

ADDITIVES: 6 LENEX 1000 GEL 1 [illegible] WATER.

GENERAL: DUMP TANK - 60 BBLS

SURVEYS At Feet	Degrees

4	588 / 250
5	648 / 250
Weather	
Temp.	Water 100 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15200	65	65	14789	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
DRILL 8¾" Hole	12⁰⁰	8⁰⁰	8
FIRES Nil — DRILLER'S SIGNATURE [signature]			8

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
4296	110	4406	7¾	71m	39	2	15 / 3	6¾ / 6¼	2⅞	609.03				8

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	4	8¾	J33	1/14 3/10	46610	30	70	925	72			1	850	60				
						15	78											

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.9	9.8	9.9	9.8	No. 1	PRESSURE	850	850	850	850	No. 2	PRESSURE					1 636	500
VISCOSITY	40	37	40	38	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.					2 636	250
GEL					K500	LINER SIZE	5½	x 15				LINER SIZE					3 516	1000

W.L. 7.3 F.C. 2/32 pH. 9.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: 200 GEL 2 REDEX 1 STREAM.

GENERAL:

SURVEYS At Feet	Degrees
4351	3°

4	596 / 250
5	656 / 250
Weather	
Temp.	Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15200	65	65	14789	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
DRLG 8¾ Hole	8⁰⁰	12⁴⁵	4¾
SURVEY @ 4351 - 3°	12⁴⁵	1⁰⁰	¼
DRLG. 8¾ Hole	1⁰⁰	4⁰⁰	3
FIRES — DRILLER'S SIGNATURE [signature]			

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
4406	40	4446	7½	71m	40	1	15 / 3	6¾ / 6¼	2⅞	609.03				

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	4	8¾	J33	1/14 4/10	46610	5-30	5-80	965	79½			1	850	60		DRLG.		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.7	9.7	9.8	9.8	No. 1	PRESSURE	550	550	550	550	No. 2	PRESSURE					1 644	500
VISCOSITY	37	37	38	39	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.					2 644	250
GEL						LINER SIZE						LINER SIZE					3 524	1000

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Gel 1200# Caustic 100# MP 50#

GENERAL: Run 1" stream water

SURVEYS At Feet	Degrees
4414	3°

4	604 / 250
5	664 / 250
Weather	
Temp.	Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15200	65	65	14789	1/24/74	15283	285

REMARKS	TIME START	STOP	INTVL.
DRLG. 8¾" Hole	4⁰⁰	4³⁰	½
SURVEY @ 4414	4³⁰	4⁴⁵	¼
RIG SERV. & BOPs	4⁴⁵	5⁰⁰	¼
DRLG 8¾" Hole	5⁰⁰	12⁰⁰	7
FIRES — DRILLER'S SIGNATURE M. Gervais			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓			
Pipe Rams.	✓			
Blind Rams.				

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	2215 gals.
FUEL USED	gals.

CASING REPORT: RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

EQUIPMENT CHANGES

TRANSFER #

DAYS FROM SPUD: 15

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative [signature]

Approved by Toolpusher [signature]

CONSERVATION BOARD COPY 75615

W 6380

WESTBURNE
~~WARDEAN~~ DRILLING COMPANY LIMITED

RIG NO 19 LOCATION MIAMI AMOCO KAKISA R-1-52 BLOCK 109 LSD. SEC. TWP. RGE. W. DATE FEB. 15 1974

DAILY DRILLING LOG

DIRECTIONS TO WELL 54NW STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD 14

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
3903	100	4003	6 3/4	70	35	1	15 / 3 / 3	6 3/4 / 6 3/4 / 4 3/4	2 7/8	609.03			31.76	—

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	J33	1/14 3/16	46610	30	60/70	521	41 1/2			1	800	60		1N		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.9	9.8	9.8	9.9	No. 1	PRESSURE	800	800	800	800	No. 2	PRESSURE				
VISCOSITY	38	37	37	38	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.				
GEL					K 500	LINER SIZE	5 1/2 x 15					LINER SIZE				

W.L. 9.8 F.C. 2/32 pH. 10.0 DESILTER: Hours Op: 8 U. Flow: 10.5 O. Flow: 9.7

ADDITIVES: Water 1" stream
Gel - 1200 lbs
Benex - 4 lbs.

GENERAL:

SURVEYS: At Feet / Degrees

MOTOR HOURS		Next Oil Change
1	604	500
2	604	250
3	494	1000
4	564	250
5	624	250

Weather / Temp. / Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			15200	65	65	14789	1-24-74	15293	285

REMARKS	TIME START	STOP	INTVL
DRILL 8 3/4 HOLE	12.00	12.15	1/4
RIG SERVICE	12.15	12.30	1/4
CLEAN RAD & CHANGE	12.30		
FAN BELT ON LIGHT PLANT		1.30	1
DRILL 8 3/4 HOLE	1.30	8.00	6 1/2

FIRES C. Dumond DRILLER'S SIGNATURE

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
4003	104	4107	7 1/2	70m	36	2	15 / 3	6 3/4 / 6 3/4	2 7/8	609.03				22

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	J33	1/14 3/16	46610	30	60/70	625	47			1	800	60		1N		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	9.8	9.8	9.8	9.8+	No. 1	PRESSURE	800	800	800	800	No. 2	PRESSURE				
VISCOSITY	39	39	39	39	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.				
GEL					No. 2	LINER SIZE	5 1/2 x 15					LINER SIZE				

W.L. 10.2 F.C. 4/32 pH. 7.5 DESILTER: Hours Op: 8 U. Flow: 10.4 O. Flow: 9.8

ADDITIVES: 4 Benex
50 CMC
40-50 1" stream

GENERAL:

SURVEYS: At Feet / Degrees

MOTOR HOURS		Next Oil Change
1	612	500
2	612	250
3	492	1000
4	572	250
5	632	250

Weather / Temp. 30° / Water 25 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	[illegible]	1-960	8			[illegible]	65	65	[illegible]	[illegible]	[illegible]	[illegible]

REMARKS	TIME START	STOP	INTVL
Drill 8 3/4" Hole	8.00	8.30	1/2
Survey @ 3[illegible] 1°	8.30	9.00	1/2
Drill 8 3/4" Hole	9.00	4.00	7

FIRES Nil [illegible] DRILLER'S SIGNATURE

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
4107	93	4200	7 1/4	70m	37	2	15 / 3 / 3	6 3/4 / 6 3/4 / 4 3/4	2 7/8	609.03				24

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	J33	1/14 3/16	46610	30	60/70	718	56 1/4			1	800	60		DLC		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.9	9.9	9.8	9.8	No. 1	PRESSURE	800	800	800	800	No. 2	PRESSURE				
VISCOSITY	41	40	38	39	MODEL	S.P.M.	60	60	60	60	MODEL	S.P.M.				
GEL						LINER SIZE						LINER SIZE				

W.L. 9 F.C. 2/32 pH. 9.5 DESILTER: Hours Op: 8 U. Flow: 10.4 O. Flow: 9.7

ADDITIVES: MIX Gel 600# Benex 4# Caustic 5#

GENERAL: Fresh stream water

SURVEYS: At Feet / Degrees
4161 / 1 1/2

MOTOR HOURS		Next Oil Change
1	620	500
2	620	250
3	500	1000
4	580	250
5	640	250

Weather / Temp. / Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15200	65	65	14789	1-24-74	15293	285

REMARKS	TIME START	STOP	INTVL
DRILL 8 3/4" Hole	4.00	5.30	1 1/2
Rig Serv & BOPS	5.30	5.45	1/4
DRILL 8 3/4" Hole	5.45	10.15	4 1/2
SURVEY @ 4161	10.45	10.45	1/2
DRILL 8 3/4" Hole	10.45	12.00	1 1/4

FIRES M. Gervais DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓			
Pipe Rams.	✓			
Blind Rams.				

TOTCO RING ON BIT # 4 Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. / Rig Savers Chk'd. / Kelly Cock Chk'd. / Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m.	3480 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT: RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 14

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative [illegible]

Approved by Toolpusher [illegible]

CONSERVATION BOARD COPY

W 6379

WESTBURNE
WARDEN DRILLING COMPANY LIMITED

DAILY DRILLING LOG

RIG NO 19 LOCATION MIAMI AMOCO KAKISA R.152 BLOCK 109 LSD ___ SEC ___ TWP ___ RGE ___ W ___ DATE FEB. 14. 1974

DIRECTIONS TO WELL 54 N.W. STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD 13

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft up on Kelly
3630	68	3698	5½	70	32	1	13 / 3 / 3	6¾ / 6¼ / 4¾	2 7/8	609.03			21.76	22

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	4	8¾	J33	1/8 3/10	46610	30	60	2 16	19¼			1	800	60		IN		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.8		9.9	9.9	No. 1 PRES. SURF	800		800	800	No. 2 PRES. SURF					1 580	500
VISCOSITY	39		38	38	MODEL	60		60	60	MODEL					2 580	250
GEL					K 500 LINER SIZE	5½ x 15				LINER SIZE					3 460	1000
															4 540	250
															5 600	250

W.L. 10.1 F.C. 2/32 pH. 9.0 DESILTER: Hours Op: 8 U. Flow: 10.7 O. Flow: 9.8

ADDITIVES: Water 1" Stream GENERAL:

SURVEYS At Feet / Degrees

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			15200	65	65	14789	1-24-74	15283	285

FIRES C. Durand DRILLER'S SIGNATURE

REMARKS	TIME START	STOP	INTVL
DRILL 8¾ HOLE	12.00	1.15	1¼
START LIGHT PLANT	1.15	3.45	2½
DRILL 8¾ HOLE	3.45	8.00	4¼

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft up on Kelly
3698	105	3803	7¾	70m	33	1	13 / 3 / 3	6¾ / 6¼ / 4¾	2 7/8	609.03				12

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	4	8¾	J33	1/8 3/10	46610	30-35	60-70	321	27			1	800	60			IN	

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.8	9.8	9.8	9.8	No. 1 PRES. SURF	800	800	800	800	No. 2 PRES. SURF					1 588	500
VISCOSITY	37	36	38	37	MODEL	60	60	60	60	MODEL					2 588	250
GEL					K500 LINER SIZE	5½ x 15				LINER SIZE					3 468	1000
															4 548	250
															5 608	250

W.L. 10.00 F.C. 2/32 pH. 9.5 DESILTER: Hours Op: 8 U. Flow: 10.4 O. Flow 9.7

ADDITIVES: 100 CAUSTIC SODA GENERAL:

8 BINEX + C.S.

SURVEYS At Feet / Degrees

Weather Temp. 10+ Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15200	65	65	14789	1-24-74	15283	285

FIRES Nil B. [illegible] DRILLER'S SIGNATURE

REMARKS	TIME START	STOP	INTVL
Drill 8¾" Hole	8.00	10.00	2
Change Shaker Screen Rig Serv BOPs	10.00	10.15	¼
Drill 8¾" Hole	10.15	4.00	5¾
			8

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft up on Kelly
3803	100	3903	7¾	70m	34	1	13 / 3 / 3	6¾ / 6¼ / 4¾	2 7/8	609.03				5

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	4	8¾	J33	1/8 3/10	46610	30-35	56-70	421	34½			1	800	60				

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	33	32	35	34	No. 1 PRES. SURF	800	800	800	800	No. 2 PRES. SURF					1 596	500
VISCOSITY	99	99	98	98	MODEL	60	60	60	60	MODEL					2 596	250
GEL					LINER SIZE					LINER SIZE					3 476	1000
															4 556	250
															5 616	250

W.L. 10.1 F.C. 2/32 pH. 9.5 DESILTER: Hours Op: 8 U. Flow: 10.4 O. Flow: 9.7

ADDITIVES: Gel 2000# GENERAL: Change Shaker screen

Dispersant 4" Mix 50 [illegible]

Caustic 50" Run water ½ over 2 circulation

SURVEYS At Feet: 3482 Degrees: ½°

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			15200	65	65	14789	1-24-74	15283	285

FIRES M. Gervais DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓			
Pipe Rams.				
Blind Rams.				

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Fuel on Hand 12.01 a.m.	2690 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	1843 gals.
FUEL USED	853 gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUG DOWN ___ A.M. P.M. ___ PLUS ___ %

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 15

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS. ___ TOTAL CONTRACTOR'S TIME HRS. ___

Approved by Operator's Representative [signature]

Approved by Toolpusher [signature]

CONSERVATION BOARD COPY

W 6378

WESTBURNE
WARDEAN DRILLING COMPANY LIMITED

BLOCK 109

DAILY DRILLING LOG

RIG NO 19 LOCATION MIAMI AMOCO KAKISA R.1.32 LSD ___ SEC. ___ TWP. ___ RGE. ___ W. ___ DATE FEB 13 1974

DIRECTIONS TO WELL 54 N.W. STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD 12

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
3482							15 / 3	6 3/4 / 6 1/4	2 7/8	603.09			21.76	

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	J33	1/14 3/16	46610													

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 556	500
VISCOSITY		Trip			MODEL S.P.M.	Trip				MODEL S.P.M.					2 556	250
GEL					LINER SIZE					LINER SIZE					3 436	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 516	250
ADDITIVES:					GENERAL:										5 576	250
															Weather	Water
															Temp.	Bbls.

SURVEYS

At Feet	Degrees
3480	1/2

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8	1/2	44	15300	65	65	14789	1-24-74	15383	285

REMARKS	TIME START	STOP	INTVL.
FINISH TRIP OUT	12.00	1.00	1
RIG SER. & V BOPS	1.00	1.30	1/2
WORK TO BOILER	1.30	2.30	1
WORK TO HYDROMATIC	2.30	3.30	1
LAY DOWN BOTTOM HOLE	3.30		
COLLAR & PICK UP			
SHOCK SUB + SUBS		4.30	1
TRIP IN	4.30	8.00	3 1/2
FIRES	C. Durand DRILLER'S SIGNATURE		

8 AM TO 4 PM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
3482	64	3546	6	70m	30	2	15 / 3	6 3/4 / 6 1/4	2 7/8	603.09				

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	J33	1/14 3/16	46610	35	44.6	64	6			1	800	60			IN	

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.8	9.8	9.8	[illegible]	No. 1 PRESSURE	[illegible]	[illegible]	[illegible]	[illegible]	No. 2 PRESSURE					1 564	500
VISCOSITY	46	37	35	35	MODEL S.P.M.		60	60	60	MODEL S.P.M.					2 564	250
GEL					LINER SIZE		5 1/2 X 15			LINER SIZE					3 444	1000
W.L. 10.1	F.C. 2/32		pH. 8.5		DESILTER: Hours Op: 8		U. Flow: 10.4		O. Flow: 9.7						4 524	250
ADDITIVES: 1" Cream.					GENERAL:										5 584	250
50 CMC															Weather	Water
600 GEL 2 BENEX															Temp.	Bbls.

SURVEYS

At Feet	Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	[illegible]	1-960	8			15300	65	65	14789	1-24-74	15383	285

REMARKS	TIME START	STOP	INTVL.
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
COLLAR 75' To Bottom	9.00	10.00	1
DRILL 8 3/4" Hole	10.00	4.00	6
FIRES Nil	[illegible] DRILLER'S SIGNATURE		

4 PM TO MIDNIGHT TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
3546	84	3530	7 3/4	70m	31	2	15 / 3 / 3	6 3/4 / 6 1/4 / 4 1/2	2 7/8	603.09				27.3

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
4	8 3/4	J33	1/14 3/16	46610	30	56	148	13 3/4			1	800	60			IN	

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.8	9.8	9.7	9.9	No. 1 PRESSURE	800	600	600	800	No. 2 PRESSURE					1 572	500
VISCOSITY	36	[illegible]	35	37	MODEL S.P.M.	60	60	60	60	MODEL S.P.M.					2 572	250
GEL					LINER SIZE					LINER SIZE					3 452	1000
W.L. 10.6	F.C. 2/32		pH. 8.5		DESILTER: Hours Op: 8		U. Flow: 16.5		O. Flow: 17						4 532	250
ADDITIVES: [illegible] 1/2 1200					GENERAL:										5 592	250
Bar. 2# Caustic 50#															Weather	Water
CMC 50# 1 stream [illegible] 1 circulator															Temp.	Bbls.

SURVEYS

At Feet	Degrees
3482	1/2

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			15300	65	65	14789	1-24-74	15383	285

REMARKS	TIME START	STOP	INTVL.
Drill 8 3/4" Hole	4.00	5.00	1
Rig Serv.	5.00	5.15	1/4
Drill 8 3/4" Hole	5.15	12.00	6 3/4
FIRES	M. Gervais DRILLER'S SIGNATURE		

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.	✓			
Blind Rams.	✓			

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

Fuel on Hand 12.01 a.m.	3371	gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)	2190	gals.
FUEL USED	1181	gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 12

EQUIPMENT CHANGES

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative [signature]

Approved by Toolpusher [signature]

CONSERVATION BOARD COPY

W 6377

WARDEAN DRILLING COMPANY LIMITED

DAILY DRILLING LOG

RIG NO 19 LOCATION MIAMI AMOCO KAKISA R-1-52 BLOCK 109 LSD ___ SEC ___ TWP ___ RGE ___ W. ___ DATE FEB. 12 1974

DIRECTIONS TO WELL 54 N.W. STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD 11

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
3125	155	3280	7 1/4	66			16 3 3	6 3/4 6 1/4 4 3/4	2 7/8	633.53			x.0. 5.97	

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	8 3/4	X16	1/12 3/10	63992	40	80	549	18 1/4			1	800	60		IN		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.6	9.6	9.7	9.6	No. 1 PRES. SURE	800	800	800	800	No. 2 PRES. SURE					1 432	500
VISCOSITY	30	33	36	37	MODEL K-500 S.P.M.	60	60	60	66	MODEL S.P.M.					2 432	250
GEL					LINER SIZE	5 1/2 X 15				LINER SIZE					3 412	1000
															4 492	250
															5 552	250

W.L. 9.0 F.C. 4/32 pH. 9.0 DESILTER: Hours Op: 8 U. Flow: 10.7 C. Flow: 9.6

ADDITIVES: GEL 1800 CMC 50 CAUSTIC 50

GENERAL:

SURVEYS At Feet	Degrees
3230	0

Weather ___ Temp. ___ Water ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT		8			15056	65 : 65	14784	1-24-74	15343	285

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
3280	150	3430	8	67	29	1	16 3 3	6 3/4 6 1/4 4 3/4	2 7/8	633.53				21

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	8 3/4	X16	1/12 3/10	63992	40m	80	699	26 1/2			1	800	60		IN		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.9	9.8	9.8	9.8	No. 1 PRES. SURE	800	800	800	800	No. 2 PRES. SURE					1 440	500
VISCOSITY	37	3[illegible]	40	37	MODEL S.P.M.	60	60	60	60	MODEL S.P.M.					2 440	250
GEL					K500 LINER SIZE	5 1/2 X 15				D LINER SIZE					3 420	1000
															4 500	250
															5 560	250

W.L. 11.6 F.C. 2/32 pH. 9.0 DESILTER: Hours Op: 8 U. Flow: 10.4 O. Flow: 9.8

ADDITIVES: 800 GEL 6 RENEX 50 CMC

GENERAL: DUMP & CLEAN TANKS 50 BBLS ADD OIL TO PUMP 15 GAL.

SURVEYS At Feet	Degrees

Weather Clear Temp. -0° Water 250 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	[illegible]	1-960	8			15056	65 : 65	14784	1-24-74	15343	285

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
3430	3482	52	4 1/4	40m	29	2	16 3 3	6 3/4 6 1/4 4 3/4	2 7/8	633.53			x.0 5.97	Down

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
3	8 3/4	X16	1/12 3/10	63992	40m	80	751	30 1/2			1	800	60		5	8	1

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.8		9.6		No. 1 PRES. SURE	900				No. 2 PRES. SURE					1 448	500
VISCOSITY	41		37		MODEL S.P.M.	60	[illegible]			MODEL S.P.M.					2 448	250
GEL					LINER SIZE					LINER SIZE					3 428	1000
															4 508	250
															5 560	250

W.L. 9.2 F.C. 2/32 pH. 9.1 DESILTER: Hours Op: 8 U. Flow: 10.5 O. Flow: 9.6

ADDITIVES:

GENERAL:

SURVEYS At Feet	Degrees
3420	1/2

Weather ___ Temp. ___ Water ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	[illegible]	1-9[illegible]	8	1/2	[illegible]	15056	65 : 65	14784	1-24-74	15343	285

REMARKS	TIME START	STOP	INTV
RIG SERVICE	12.00	12.15	1/4
DRILL 8 3/4 HOLE	12.15	6.30	6 1/4
SURVEY @ 3230	6.30	7.00	1/2
DRILL 8 3/4 HOLE	7.00	8.00	1
FIRES ___ C. Durand DRILLER'S SIGNATURE			
DRILL 8 3/4 HOLE	8.00	4.00	8
FIRES Nil ___ DRILLER'S SIGNATURE			8
DRILL 8 3/4" Hole	4.00	4.15	1/4
Rig SERV.	4.15	4.30	1/4
REPAIR DRIVE CHAIN IN DRAWS	4.30	5.00	1/2
DRILL 8 3/4" HOLE	5.00	9.00	4
DROPPED SURVEY + HOIST BIT # 3	9.00	12.00	3
FIRES ___ M. Gervais DRILLER'S SIGNATURE			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydrill				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # 3 Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

Fuel on Hand 12.01 a.m.	3971	gals.
Fuel Rec'd Today (add)	5521	gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)	3371	gals.
FUEL USED	[illegible]	gals.

CASING REPORT RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD: 11

EQUIPMENT CHANGES

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative [signature]

Approved by Toolpusher Frank Hamernik

CONSERVATION BOARD COPY

W 6376

WESTBURNE DRILLING LTD.

BLOCK 109

RIG NO. 19 LOCATION MIAMI AMOCO KAKISA R.-152 LSD. SEC. TWP. RGE. W. DATE FEB. 11 1974

DAILY DRILLING LOG

DIRECTIONS TO WELL 54 N.W. STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD 10

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
2633	98	2731	3	62	22		16 / 3	6 3/4 / 6 1/4	2 7/8	633.53			5.97	27

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	2	8 3/4	X16	3/10 7/11	64022	40	80	705	24 1/4			1	1150	54		5	8	1

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.2	9.2			No. 1	PRESSURE	1150	1150	TRIP		No. 2	PRESSURE					1 408	500
VISCOSITY	30	31			MODEL	S.P.M.	54	54			MODEL	S.P.M.					2 408	250
GEL					K 500	LINER SIZE	5½ x 15					LINER SIZE					3 388	1000
																	4 468	250
																	5 528	250

W.L. F.C. 2/32 pH. 8.5 DESILTER: Hours Op: 5 U. Flow: 10.4 O. Flow: 9.2

SURVEYS At Feet Degrees

ADDITIVES: Water - 1" Stream GENERAL:

Gel = Nil

Benex = Nil

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8	1½	93	15023	65	65	14784	1-24-74	15723	285

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
2731	185	2916	3	64	24		16 / 3	6 3/4 / 6 1/4	2 7/8	633.53				

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	3	8 3/4	KG	7/8 7/8	63993	50-40	70	185	3			1					12	

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT				9.4	No. 1	PRESSURE					No. 2	PRESSURE					1 416	500
VISCOSITY	TRIP			32	MODEL	S.P.M.					MODEL	S.P.M.					2 416	250
GEL					K5	LINER SIZE	5½ x 15					LINER SIZE					3 396	1000
																	4 376	250
																	5 537	250

W.L. F.C. pH. 8.0 DESILTER: Hours Op: 7 U. Flow: 10.2 O. Flow: 9.3

SURVEYS At Feet Degrees

ADDITIVES: 100# CMC GENERAL:

WATER

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	[illegible]	1-960	8	1½	93	[illegible]	[illegible]	[illegible]	[illegible]	1-24-74	[illegible]	[illegible]

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
2916	209	3125	8	65	26		16 / 3	6 3/4 / 6 1/4	2 7/8	633.53				9.41

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	3	X16	8 3/4	1/15 7/16	63993	30-40	80	394	11			1	800	60		IN		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.4	9.6		9.4	No. 1	PRESSURE	[illegible]	200	200	200	No. 2	PRESSURE	1000				1 424	500
VISCOSITY	33	32		30	MODEL	S.P.M.	[illegible]	60	60	60	MODEL	S.P.M.	40				2 434	250
GEL					K5	LINER SIZE	5½ x 15					LINER SIZE	70				3 404	1000
																	4 484	250
																	5 544	250

W.L. 11 F.C. 2/2 pH. 8 DESILTER: Hours Op: 8 U. Flow: 10.5 O. Flow: 9.5

SURVEYS At Feet Degrees

ADDITIVES: Gel 15 sks GENERAL: Hung 1 Mesh Screen

50 water Lost total fluid [illegible]

[illegible] - Run 1 Screen

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
		[illegible]	1-960	8			15056	[illegible]	[illegible]	[illegible]	1-24-74	[illegible]	[illegible]

REMARKS	TIME START	STOP	INTVL.
RIG SERVICE	12.00	12.15	1/4
DRILL 8 3/4 HOLE	12.15	3.15	3
BLOW KELLY & SURVEY	3.15	3.45	1/2
TRIP OUT	3.45	8.00	4 1/4

FIRES C. Durand DRILLER'S SIGNATURE

SET UP BRAKES + WORK ON HYDRAULICS	8.00	8.45	3/4
CHECK TRAVELING + RIG SET	8.45	9.00	1/4
RUNNING WITH BIT #3	9.00	12.30	3 1/2
CLEAN MUD FILL TO BOTTOM	12.30	1.00	1/2
DRILL 8 3/4 HOLE	1.00	4.00	3

FIRES T. Huber DRILLER'S SIGNATURE

TRIP 8 3/4 HOLE	4.00	12.00	8

FIRES C. Durand DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hyril				
Pipe Rams.				
Blind Rams.	✓			

Crown-o-matic Chk'd. | Rig Savers Chk'd. | Kelly Cock Chk'd. | Fire Equip. Chk'd.

TOTCO RING ON BIT # 2 Boiler Operated: 24 Hrs.

Fuel on Hand 12.01 a.m.	4522	gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)	3971	gals.
FUEL USED	551	gals.

CASING REPORT RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

DAYS FROM SPUD: 10

EQUIPMENT CHANGES

TRANSFER #

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative [signature]

Approved by Toolpusher Frank Kamenuchka

CONSERVATION BOARD COPY

8925

WESTBURNE DRILLING LTD.

DAILY DRILLING LOG — RIG NO. 19 — LOCATION MIAMI AMOCO KAKISA R-1-52 — LSD. ___ SEC. ___ TWP. ___ RGE. ___ W. ___ BLOCK 109 — DATE FEB. 10 1974

DIRECTIONS TO WELL: 54 N.W. STEEN RIVER — MAILING POINT: STEEN RIVER — SHIPPING POINT: STEEN RIVER — MILES MOVED: 270 — ROAD CONDITIONS: ROUGH — DAYS FROM SPUD: 9

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
2026	174	2200	6	58	16	1	16 / 3 / 3	6 3/4 / 6 1/4 / 4 3/4	2 7/8	633.53			x. o. 5.97	34.80

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	2	8 3/4	X16	5/10 1/16	64022	20/40	40/100	174	6			1	1100	54		IN		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT		9.2	9.2	9.2	No. 1 PRES. SURE	Tri 2		1100	1100	No. 2 PRES. SURE					1 384	500
VISCOSITY	Tri	29	29	29	MODEL S.P.M.	Tri		54	54	MODEL S.P.M.					2 384	250
GEL					K 500 LINER SIZE	5 1/2 x 15				LINER SIZE					3 364	1000
															4 444	250
															5 504	250

W.L. 17 F.C. 2/32 pH. 9.0 DESILTER: Hours Op: 8 hrs. U. Flow: 10.4 O. Flow: 9.1

SURVEYS: At Feet / Degrees

ADDITIVES: Water 1" stream; Gel: 1200 lbs; Benex: 8 lbs.

GENERAL:

Weather: SNOW Temp. 0 Water: WET Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	14000 Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	7	1/2	17	[illegible]	65	65	14744	1-24-74	15283	285

FIRES — DRILLER'S SIGNATURE: C. Durand

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
2200	200	2400	7 1/4	59m	18	1	16 / 3 / 3	6 3/4 / 6 1/4 / 4 3/4	2 7/8	633.53				12

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	2	8 3/4	X16	5/10 1/16	64022	40m	60	374	13			1	1100	54			IN	

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.4	9.3	9.3	9.4	No. 1 PRES. SURE	1100	1100	1150	1100	No. 2 PRES. SURE					1 392	500
VISCOSITY	34	29	29	29	MODEL S.P.M.					MODEL S.P.M.					2 392	250
GEL					K500 LINER SIZE	5 1/2 x 15				LINER SIZE					3 372	1000
															4 452	250
															5 512	250

W.L. 17 F.C. 1/32 pH. 9.0 DESILTER: Hours Op: U. Flow: 10.6 O. Flow: 9.3

SURVEYS: At Feet / Degrees

ADDITIVES: WATER 1" STREAM GENERAL: ADD OIL TO PUMP; DUMP & CLEAN #2 TANK. 50 BBLS

Weather: COLD Temp. Water: Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			14930	65	65	14784	1-24-74	15283	255

FIRES — DRILLER'S SIGNATURE: Ben Huber

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
[illegible]	233	2633	7 1/2	64	20	2	[illegible]	[illegible]	[illegible]	633.53			x. o. 5.97	—

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	2	8 3/4	X16	5/10 1/16	64022	40	90	607	21 1/4			1	1150	54			IN	

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	Pump #2	9.2	9.2	9.1	No. 1 PRES. SURE			1150	1150	No. 2 PRES. SURE					1 [illegible]	500
VISCOSITY	Clean Tank	28	28	28	MODEL S.P.M.			54	54	MODEL S.P.M.					2 [illegible]	250
GEL					K500 LINER SIZE	5 1/2 x 15				LINER SIZE					3 [illegible]	1000
															4 [illegible]	250
															5 520	255

W.L. 16 F.C. 2/32 pH. 8.5 DESILTER: Hours Op: 4 U. Flow: 10.5 O. Flow: 9.2

SURVEYS: At Feet 2500 / Degrees 1/2

ADDITIVES: Water = 1" stream; Gel = 1800 lbs; Benex = 6 lbs.

GENERAL: DUMP & CLEAN TANKS 80 BBLS.

Weather: Temp. -22 Water: Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			14930	65	65	14784	1-24-74	15283	255

FIRES — DRILLER'S SIGNATURE: C. Durand

REMARKS

	TIME START	TIME STOP	INTVL.
TRIP IN	12.00	1.30	1 1/2
CLEAN 30 FT. TO BOTTOM.	1.30	2.00	1/2
DRILL 8 3/4 HOLE	2.00	8.00	6
DRILL 8 3/4 HOLE	8.00	9.00	1
RIG SERVICE: BOPV	9.00	9.15	1/4
DRILL 8 3/4 HOLE	9.15	4.00	6 3/4
DRILL 8 3/4 HOLE	4.00	9.00	5
SURVEY @ 2500	9.00	9.15	1/4
RIG SERVICE	9.15	9.30	1/4
DRILL 8 3/4 HOLE	9.30	12.00	2 1/2

TOUR 4 PM TO MIDNIGHT

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.	✓			
Blind Rams.	✓			

Crown-o-matic Chk'd. / Rig Savers Chk'd. / Kelly Cock Chk'd. / Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m.	1898	gals.
Fuel Rec'd Today (add)	3680	gals.
TOTAL	5578	gals.
Fuel on Hand 11.59 p.m. (deduct)	4522	gals.
FUEL USED	1056	gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD:

EQUIPMENT CHANGES

TOTCO RING ON BIT # 2 — Boiler Operated: 24 Hrs.

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative: [signature]

Approved by Toolpusher: Frank Kamuschak

CONSERVATION BOARD COPY

8924

WESTBURNE DRILLING LTD.

DAILY DRILLING LOG

RIG NO. 19 LOCATION MIAMI AMOCO KAKISAR 1-52 BLOCK 109 LSD. SEC. TWP. RGE. W. DATE FEB. 9 1974

DIRECTIONS TO WELL 54 N.W. STEEN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD 8

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft. x. O.	Ft. up on Kelly
1121	598	1719	7	49	11	1	16 3 3	6 3/4 8 3/4 4 3/4	2 7/8	633.53			597	31

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	X16	3-10	62927	15/30	50/40	1377	16			1	800	45		IN		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	8.7	8.7	8.9	9.1	No. 1	PRESSURE	800	800	800	800	No. 2	PRESSURE					1 360	500
VISCOSITY	32	32	34	32	MODEL	S.P.M.	45	45	45	45	MODEL	S.P.M.					2 360	250
GEL					K-500	LINER SIZE	5½ X 15 11					LINER SIZE					3 340	1000
																	4 420	250
																	5 480	250

W.L. 18 F.C. 2/32 pH. 10.5 DESILTER: Hours Opr. 7½ U. Flow: 10.2 O. Flow: 8.6

ADDITIVES: Gel = 500 lbs. GENERAL: Under flo = 10.2

Bean = 2 lbs Over flo = 8.6

Dump + clean #2 tank. 180 Bbls

SURVEYS At Feet	Degrees
1200	¼
1700	½

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WP164T	1-960	8			14213	65 / 65	14254	1-24-74	15283	285

REMARKS	TIME START.	STOP	INTVL.
DRILL 8 3/4 HOLE	12.00	1.30	1½
SURVEY @ 1200	1.30	1.45	¼
RIG SERVICE	1.45	2.00	¼
DRILL 8 3/4 HOLE	2.00	7.30	5½
SURVEY @ 1700	7.30	8.00	½

FIRES C. Dumond DRILLER'S SIGNATURE

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
1719	235	1954	7½	52 m	13	2	16 3	6 3/4 6 3/4	2 7/8	653.53				18

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	X16	3/15	62927	40	140	1314	23 3/4				850	48		IN		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.1	9.2	9.2	9.2	No. 1	PRESSURE	850	850	850	850	No. 2	PRESSURE					1 368	500
VISCOSITY	30	29	28	29	MODEL	S.P.M.					MODEL	S.P.M.					2 368	250
GEL					K500	LINER SIZE	5½ x 15				K-500	LINER SIZE					3 548	1000
																	4 428	250
																	5 488	250

W.L. F.C. pH. 8.5 DESILTER: Hours Opr 8 U. Flow: 11.1 O. Flow: 9.0

ADDITIVES: 200 GEL. GENERAL: Dump & Clean tanks 50 BBLS

3 lbs BENTEX ADD OIL TO PUMP

SURVEY At Feet	Degrees

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WP164T	1-960	8			14213	65 / 65	14254	1-24-74	15283	285

REMARKS	TIME START.	STOP	INTVL.
DRILL 8 3/4 HOLE	8.00	8.15	¼
RIG SERVICE BOPV CHECK SWIVEL	8.15	8.45	½
THAW OUT FROZEN AIR LINES	8.45	9.00	¼
DRILL 8 3/4 HOLE	9.00	4.00	7

FIRES Nil T. Hooker DRILLER'S SIGNATURE

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
1954	72	2026	3½	54	14	1	16 3 3	6 3/4 6 3/4	2 7/8	653.53				9

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	X16	8 3/4	3/15	62927	40	140	1386	26 3/4			1	850	48		7	8	1

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.2	9.3			No. 1	PRESSURE	850				No. 2	PRESSURE					1 376	500
VISCOSITY	29	29	Trip		MODEL	S.P.M.			Trip		MODEL	S.P.M.					2 376	250
GEL					K5	LINER SIZE	5½ x 15					LINER SIZE					3 356	1000
																	4 436	250
																	5 496	250

W.L. 17 F.C. 2/32 pH. 9.0 DESILTER: Hours Opr 4 U. Flow: 10.6 O. Flow: 9.1

ADDITIVES: GENERAL: DUMP AND CLEAN #2 TANK.

100 BBLS.

SURVEYS At Feet	Degrees
2025	½

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WP164T	1-960	8	4	100	14513	65 / 65	14784	1-24-74	15283	285

REMARKS	TIME START.	STOP	INTVL.
DRILL 8 3/4 HOLE	4.00	7.30	3½
BLOW KELLY & DROP SURVEY	7.30	8.00	½
TRIP OUT	8.00	11.00	3
RIG SER. & V BOP'S B.R.	11.00	11.15	¼
TRIP IN	11.15	12.00	¾

FIRES DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydrit	✓			
Pipe Rams.	✓			
Blind Rams.	✓			

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	2519 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	1898 gals.
FUEL USED	621 gals.

CASING REPORT RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD:

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

8923

WESTBURNE DRILLING LTD.

BLOCK 109

DAILY DRILLING LOG — RIG NO. 19 — LOCATION MIAMI AMOCO KAKISA R. I-52 — LSD. ___ SEC. ___ TWP. ___ RGE. ___ W. ___ — DATE FEB. 8 1974

DIRECTIONS TO WELL ___ — MAILING POINT STEEN RIVER — SHIPPING POINT STEEN RIVER — MILES MOVED 270 — ROAD CONDITIONS ROUGH — DAYS FROM SPUD ___

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
640							16 / 3	6 3/4 / 6 1/4	2 7/8					

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	XIG	3-10	62927	10-15	50	CEMENT				1	800	46				

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1	PRESSURE		800	800	800	No. 2	PRESSURE					1 336	250
VISCOSITY		WATER			MODEL	S.P.M.		46	46	46	MODEL	S.P.M.					2 336	250
GEL					K 500	LINER SIZE	5 1/2	x 15			BJ	LINER SIZE					3 316	1000
																	4 396	250
																	5 456	250

W.L. ___ F.C. ___ pH. ___ DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___ SURVEYS At Feet / Degrees

ADDITIVES: ___ GENERAL: ___ Weather ___ Water ___ Temp. ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or	Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			14813	65	:	65	14784	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
THAW OUT KELLY	12 00	200	2
DRILL OUT CEMENT & SHOE	200	800	6

FIRES ___ M. Karpunk DRILLER'S SIGNATURE

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
640	40	680	1 1/2	45			16 / 3 / 3	6 3/4 / 6 1/4 / 4 1/4	2 7/8	633.53			1.0 / 5.97	—

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	XIG	3-10	62927	5-15	50	40	1 1/2			1	800	46		1R		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT				8.4	No. 1	PRESSURE				800	No. 2	PRESSURE					1 344	500
VISCOSITY				31	MODEL	S.P.M.				46	MODEL	S.P.M.					2 344	250
GEL					K 500	LINER SIZE	5 1/2	x 15				LINER SIZE					3 324	1000
																	4 404	250
																	5 464	250

W.L. ___ F.C. 3/32 pH. 11.5 DESILTER: Hours Op: ___ U. Flow: ___ O. Flow: ___ SURVEYS At Feet / Degrees

ADDITIVES: Gel = 2500 lbs. GENERAL: ___ Weather ___ Water ___ Temp. ___ Bbls.
Caustic = 50 lbs
Soda Ash = 200 lbs.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or	Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			14813	65	:	65	14784	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
DUMP & CLEAN TANKS	8.00		
DISPLACE HOLE			
THAW & REPAIR MUD			
MIXING SYSTEM PREMIX			
MUD TO DRILL		2.30	6 1/2
DRILL 8 3/4 HOLE	2.30	4.00	1 1/2

FIRES ___ C. Durand DRILLER'S SIGNATURE

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
680	441	1121	7 1/2	50M	4	2	16 / 3 / 3	6 3/4 / 6 1/4 / 4 1/4	2 7/8	633.53				—

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	XIG	3/10	62927	5-15	50	481	9			1	800	45				

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	8.3+	8.5		8.8	No. 1	PRESSURE	800				No. 2	PRESSURE					1 352	500
VISCOSITY	33	30		31	MODEL	S.P.M.					MODEL	S.P.M.					2 352	250
GEL					K 500	LINER SIZE	5 1/2	x 15			B	LINER SIZE					3 332	1000
																	4 412	250
																	5 472	250

W.L. ___ F.C. ___ pH. 11.5 DESILTER: Hours Op: 8 U. Flow: 9.8 O. Flow: 8 3/4 SURVEYS At Feet / Degrees

ADDITIVES: Gel. GENERAL: ___ Weather ___ Water ___ Temp. ___ Bbls.
8 lbs Benex

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or	Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			14813	65	:	65	14784	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
DRILL 8 3/4 HOLE	4 00	10 00	6
NO VACUUM	10 00	10 30	1/2
DRILL 8 3/4 HOLE	10 30	12 00	1 1/2
			8

FIRES Nil ___ R. Hughes DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	Fuel on Hand 12.01 a.m.	3186 gals.
Rig Savers Chk'd.	Fuel Rec'd Today (add)	667 gals.
Kelly Cock Chk'd.	TOTAL	3519 gals.
Fire Equip. Chk'd.	Fuel on Hand 11.59 p.m. (deduct)	2579 gals.
	FUEL USED	gals.

CASING REPORT — RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % ___ PLUG DOWN ___ A.M. P.M. ___ CEMENT RETURNS - (YES/NO) ___

RENTAL EQUIPMENT ON HAND ___ TRANSFER # ___

DAYS FROM SPUD: ___ EQUIPMENT CHANGES ___

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative: J. Pate

Approved by Toolpusher: C. Shogren

CONSERVATION BOARD COPY

8922

WESTBURNE DRILLING LTD.

DAILY DRILLING LOG

RIG NO. 19 LOCATION MIAMI AMOCO KAKISA R. 1-52 LSD. BLOCK 109 SEC. TWP. RGE. W. DATE FEB 7 1974

DIRECTIONS TO WELL

MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
640														

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 312	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 312	250
GEL					LINER SIZE					LINER SIZE					3 292	1000
W.L.	F.C.	pH.			DESILTER: Hours Op:	U. Flow:	O. Flow:								4 372	250
ADDITIVES:					GENERAL:										5 432	250

SURVEYS: At Feet / Degrees

Weather / Temp. / Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			14813	65 : 65	14784	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
W.O.C.	12.00	8.00	8

FIRES DRILLER'S SIGNATURE M. Karamuk

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
640														

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 320	500
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 320	250
GEL					LINER SIZE					LINER SIZE					3 380	1000
W.L.	F.C.	pH.			DESILTER: Hours Op:	U. Flow:	O. Flow:								4 380	250
ADDITIVES:					GENERAL:										5 440	250

Tested blind rams w/ 1000 PSI for 15 min Test ok (A.)

SURVEYS: At Feet / Degrees

Weather / Temp. / Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			14813	65 : 65	14784	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
W.O.C.	8.00	10.30	2½
PUT ON CASING BOWL	10.30		
& HEAD UP BOPS		3.00	4½
PRESSURE BLIND RAMS	3.00	4.00	1
~~Test Hy~~			

FIRES DRILLER'S SIGNATURE C. Dorward

4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
		640												

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	8 3/4	X1C	3/10	63527													

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 328	500
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 328	250
GEL					KB LINER SIZE	5½	x 15			LINER SIZE					3 328	1000
W.L.	F.C.	pH.			DESILTER: Hours Op:	U. Flow:	O. Flow:								4 388	250
ADDITIVES:					GENERAL:										5 448	250

SURVEYS: At Feet / Degrees

Weather / Temp. -40 / Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	X			14813	65 : 65	14784	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
Lay down	4.00	4.30	½
Pick up Bottom Hole Assy	4.30		
Make up Bit & Run			
TCS in w/ Bit		7.00	2½
Tie Kelly & Break Circ & Circ	7.00	9.00	2
Test Csg. Test Hydrill & Pipe Rams	9.00	10.30	1½
Then out Kelly Hose & Test on Kelly	10.30	12.00	1½
Test Hydril & pipe rams w/ 1000 PSI for 15 min each tested ok.			

FIRES Nil DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓	15 min	1000	
Pipe Rams	✓	15 min	1000	
Blind Rams	✓	15 min	1000	

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. / Rig Savers Chk'd. ✓ / Kelly Cock Chk'd. ✓ / Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m.	3482	gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)	3196	gals.
FUEL USED	296	gals.

CASING REPORT RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

DAYS FROM SPUD:

EQUIPMENT CHANGES

TRANSFER #

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

8921

WESTBURNE DRILLING LTD.

DAILY DRILLING LOG

RIG NO 19 LOCATION MIAMI AMOCO KAKISA R I-52 LSD. ___ SEC. ___ TWP. BLOCK 109 RGE. ___ W. ___ DATE FEB. 6 1974

DIRECTIONS TO WELL ___ MAILING POINT STEEN RIVER SHIPPING POINT ___ MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD ___

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
640														

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1	8¾	X16	3/10	62927													

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.			
GEL					508	LINER SIZE				BJ	LINER SIZE			

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

MOTOR HOURS	Next Oil Change
1 288	250
2 288	250
3 268	1000
4 348	250
5 408	250

SURVEYS: At Feet / Degrees

Weather Water Temp. Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			14813	65 : 65	14784	1-24-74	15283	285

FIRES ___ DRILLER'S SIGNATURE Mike Karpuik

REMARKS	TIME START	TIME STOP	INTVL.
RUN IN W/ D.C.'S	1200	1230	½
BREAK DOWN KELLY HOSE &	1230		
THAW OUT SAME			
REPAIR VALVE ON MUD LINE		400	3½
PRESSURE HYDRIL TO 1000 PSI	400	430	½
DRILL PLUG & CEMENT	430	800	3½

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
640				40			16 / 3	6¾ / 6¼	2⅞	480.97 / 99.54			x.o. 5.96	

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1	8¾	X16	3-10	62927													

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.			
GEL						LINER SIZE					LINER SIZE			

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

MOTOR HOURS	Next Oil Change
1 296	250
2 296	250
3 276	1000
4 356	250
5 416	250

SURVEYS: At Feet / Degrees

Weather Water Temp. Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			14813	65 : 65	14784	1-24-74	15283	285

FIRES ___ DRILLER'S SIGNATURE

REMARKS	TIME START	TIME STOP	INTVL.
PRESURE TEST PIPE RAMS &	800		
KELLY COCK.		8.30	½
RIGGING OUT	8.30	9.00	½
TRIP OUT CASING LOOSE	9.00	11.00	2
LIFT PIPS	11.00	2.00	3
W.O. CEMENT TRUCK	2.00	4.00	2
Washed 1" pipe down outside of surface casing			
flushed out same to 63.70 ft. Ran 90 sks			
Class C cement by pipe w/ 3% CaCl2 added			
started cementing 1045 PM completed w/ 2 bbls cement			
to surface 1115 PM 2/6/74 C. Durand			

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
		640					16 / 3	6¾ / 6¼	2⅞	480.97 / 99.58				

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1	8¾	X16	3-10	62927													

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL	S.P.M.				MODEL	S.P.M.			
GEL					K 500	LINER SIZE	5½ x 14				LINER SIZE			

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

MOTOR HOURS	Next Oil Change
1 304	250
2 304	250
3 284	1000
4 364	250
5 424	250

SURVEYS: At Feet / Degrees

Weather Water Temp. Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	1-960	8			14813	65 : 65	14784	1-24-74	15283	285

FIRES Nil ___ DRILLER'S SIGNATURE Fred Hunter

REMARKS	TIME START	TIME STOP	INTVL.
WAIT ON HALLIBURTON	400	630	2½
MAKE UP 2 JOINTS OF 1" PIPE	630		
SCREW OFF TOWER RUN IN WITH			
1" PIPE CIRCULATE WASH OUT			
MUD		1645	4¼
CEMENT TOP OF CSG	1045	1200	1¼
CEMENT FROM 63' KB TO			
SURFACE			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓	¼	1000	
Pipe Rams.	✓			
Blind Rams.	✓			

TOTCO RING ON BIT # ___ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

Fuel on Hand 12.01 a.m.	3702 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	3482 gals.
FUEL USED	220 gals.

CASING REPORT: RAN ___ JTS ___ CSG ___ TO ___ KB. USED ___ SAX ___ CEM ___ PLUS ___ % ___ PLUG DOWN ___ A.M. P.M.

CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD:

EQUIPMENT CHANGES

TOTAL COMPANY TIME ___ HRS. TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

8920

WESTBURNE DRILLING LTD.

DAILY DRILLING LOG

RIG NO. 19 LOCATION MIAMI AMOCO KARISA A 1-52 LSD. BLOCK 109 SEC. TWP. RGE. W. DATE FEB. 5 1974

DIRECTIONS TO WELL

MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
640							18 / 3	6 3/4 / 6 3/4	2 7/8	633.53		5.97		

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 280	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 280	250
GEL					K 500 LINER SIZE					LINER SIZE					3 260	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 340	250
ADDITIVES:					GENERAL:										5 400	250
															Weather	Water
															Temp.	Bbls.

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8		14813	14813	65	65	14784	2-24-74	15283	265

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 288	
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 285	
GEL					LINER SIZE					LINER SIZE					3 268	
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 346	
ADDITIVES:					GENERAL:										5 436	
															Weather	Water
															Temp.	Bbls.

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 296	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 291	250
GEL					LINER SIZE					LINER SIZE					3 326	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:		U. Flow:		O. Flow:						4 356	250
ADDITIVES:					GENERAL:										5 416	250
															Weather	Water
															Temp.	Bbls.

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	TIME STOP	TIME INTVL.
NIPPLE UP - CLEAN MUD TANKS CHANGE HEADS & LINES	12:00	8:00	8
FIRES — Mike Karpiuk — DRILLER'S SIGNATURE			8
WORK TO PUMP & CHANGE HEADS & LINERS TO 5½" CHANGE MAIN DRIVE CHAIN IN DRWKS. NIPPLEING UP. Check MOTOR SHUT OFF	8:00	4:00	8
FIRES — C. Durand — DRILLER'S SIGNATURE			
LAY FLARE LINE	4:00		
FINISH WORKING TO PUMP			
THAW MUD LINE			
CHANGE SHAKER SCREEN		1030	6½
PRESSURE BLIND RAMS TO 1000 PSI	10:30	11:00	½
RUN IN HOLE	11:00	12:00	1
FIRES — DRILLER'S SIGNATURE			8

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.	✓	14	1000	

TOTCO RING ON BIT #

Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	✓
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	1678	gals.
Fuel Rec'd Today (add)	3100	gals.
TOTAL	4578	gals.
Fuel on Hand 11.59 p.m. (deduct)	3702	gals.
FUEL USED	876	gals.

CASING REPORT: RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD:

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

8919

WESTBURNE DRILLING LTD.

DAILY DRILLING LOG

RIG NO. 19 LOCATION MIAMI AMOCO KAKISA R-1-52 LSD. Block 109 SEC. TWP. RGE. W. DATE Feb 4 '74

DIRECTIONS TO WELL

MAILING POINT STEEN RIVER SHIPPING POINT MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
640														

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 2256	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 2256	250
GEL					LINER SIZE					LINER SIZE					3 2316	1000
															4 3316	250
															5 3316	250

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees

ADDITIVES: GENERAL: VISUALLY INSPECT 9 5/8 CASING
NO DEFECTS BY VISUALLY INSPECTION
C. Shogan

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			14783	65 : 65	14853	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL
RUN 9 5/8 CASING & CEMENT	12 00	5 00	5
W O C	5 00	8 00	3
RAN 16 JTS 659.65' 9 5/8 32.3#			
H-40 MANNESMAN CASING. FLOATED W/100			
SAX CONSTRUCTION CEMENT + 2% GEL			
+ 25# SEL FLAKE LANDED @ 635 K.B.			
FLOATED W/700 PSI FLOAT DIDN'T			
HOLD. IN PLACE @ 3:00 AM FEB 4/			
J.C.			
FIRES M Karpink DRILLER'S SIGNATURE			

8 AM TO 4 PM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
640														

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1	
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2	
GEL					LINER SIZE					LINER SIZE					3	
															4	
															5	

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees

ADDITIVES: GENERAL:

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

REMARKS	TIME START	STOP	INTVL
W.O.C.	8.00		
DIG CELLAR			
CUT OFF CONDUCTOR PIPE			
BACK OFF CASING			
SCREW ON CASING BOWL			
PICK UP BOP'S SCREW			
IN BOLTS.			
THAW MUD ROLL +			
CIRC TANKS.		4 00	8
FIRES C. Durand DRILLER'S SIGNATURE			

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
		640					16 3	6 5/8 6 1/4	2 7/8	633.53				

BITS No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 272	250
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 272	250
GEL					K500A LINER SIZE					LINER SIZE					3 272	1000
															4 332	250
															5 392	250

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow: SURVEYS At Feet Degrees

ADDITIVES: GENERAL:

Weather Temp. -10° Water 250 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	[illegible]	1-960	7			14813	65 : 65	14878-84	1-24-74	15283	255

REMARKS	TIME START	STOP	INTVL
IN O.C. HEAD UP	4 00	8 00	4
DRILL MOUSE & RAT	8 00		
HOLE W/ POWER TONGS		12 00	4
KEPT MUD IN TANKS TO			
DRILL MOUSE + RAT HOLE			
FIRES Fil Ben Huber DRILLER'S SIGNATURE			8

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. Rig Savers Chk'd. Kelly Cock Chk'd. Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m. gals.
Fuel Rec'd Today (add) gals.
TOTAL gals.
Fuel on Hand 11.59 p.m. (deduct) 1674 gals.
FUEL USED gals.

CASING REPORT RAN JTS CSG TO KB: USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES / NO)

RENTAL EQUIPMENT ON HAND TRANSFER #

DAYS FROM SPUD: TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

EQUIPMENT CHANGES

Approved by Operator's Representative Approved by Toolpusher C. Shogan

CONSERVATION BOARD COPY

8918

WESTBURNE DRILLING LTD.

DAILY DRILLING LOG

RIG NO. 19 LOCATION MIAMI AMOCO KAKISA A I-52 SD. BLOCK 109 SEC. TWP. RGE. W. DATE FEB 3 19 74

DIRECTIONS TO WELL MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS ROUGH DAYS FROM SPUD

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
485	113	598	8	40			12 3 1	6 3/4 6 1/4 4 3/4	2 7/8	520.19		9.08		0

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1A	13 3/4	OSC3	3/18	61338	5-10	160-50	598	50			1	800	72				

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.1	9.6			No. 1 PRESSURE	800	800	800	800	No. 2 PRESSURE					1 232	250
VISCOSITY	48	44			MODEL K500 S.P.M.	72	72	72	72	MODEL BJ S.P.M.					2 232	250
GEL					LINER SIZE	7 X 15				LINER SIZE					3 212	1000
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 292	250
ADDITIVES: 32.00 GEL					GENERAL:										5 352	250
1.0 LIME															Weather	Water
WATER															Temp.	Bbls.

SURVEYS: At Feet 570, Degrees 2 1/4

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			14783	65	65	14783	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
DRLG 13 3/4" HOLE	12 00	8 00	8
FIRES M. Karpuk DRILLER'S SIGNATURE			8

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
597	8	606	1/2				12 3	6 3/4 6 1/4	2 7/8	575.61				18

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1A	13 3/4	OSC3	3-18	61338											8	8	1
	2A	13 1/2	[illegible]	3-18	8088	10	180		1/2			1	750	72				

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.2				No. 1 PRESSURE					No. 2 PRESSURE					1 240	250
VISCOSITY	54				MODEL S.P.M.					MODEL S.P.M.					2 240	250
GEL					LINER SIZE					LINER SIZE					3 220	1000
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 300	250
ADDITIVES:					GENERAL:										5 360	250
															Weather	Water
															Temp.	Bbls.

SURVEYS: At Feet ~~590~~, Degrees ~~2 1/2~~

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8	1	20	14803	65	65	14783	1-24-74	15283	275

REMARKS	TIME START	STOP	INTVL.
TRIP OUT w/ BIT 1A & PRESSURE OUT	8 00		
TALLY MEASURE 598.47			
MEASURE TALLY 597.14		3 30	
DIFF 1.33			7 1/2
DRLG	3 30	4 00	1/2
FIRES NIL Frank Karpuk DRILLER'S SIGNATURE			

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
606	34	640	1				12 3	6 3/4 6 1/4	2 7/8	623.06				

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	2A	13 1/2	XIII	3/18	8088	10	185	42	1 1/2			1	800	72				

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE	800	800			No. 2 PRESSURE					1 248	250
VISCOSITY		68			MODEL K500 S.P.M.	72	72			MODEL BJ S.P.M.					2 218	250
GEL					LINER SIZE					LINER SIZE					3 228	1000
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 308	250
ADDITIVES: 900 GEL					GENERAL:										5 368	250
40 LIME															Weather	Water
															Temp.	Bbls.

SURVEYS: At Feet 640, Degrees 3/4

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8	1 1/2	10	14813	64	64	14783	1-24-74	15283	255

REMARKS	TIME START	STOP	INTVL.
DRLG 13 1/2" HOLE	4 00	5 00	1
CIRCULATE & CONDITION HOLE	5 00	6 00	1
DUMMY TRIP TO 530	6 00	7 00	1
CIRCULATE	7 00	8 00	1
HOLE TO RUN CSG	8	10 30	2 1/2
RIG TO RUN CSG	10 30	12 00	1 1/2
FIRES Bill Kuhn DRILLER'S SIGNATURE			8

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.		Fuel on Hand 12.01 a.m.	547 gals.
Rig Savers Chk'd.		Fuel Rec'd Today (add)	gals.
Kelly Cock Chk'd.		TOTAL	gals.
Fire Equip. Chk'd.		Fuel on Hand 11.59 p.m. (deduct)	506 gals.
		FUEL USED	gals.

CASING REPORT: RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

EQUIPMENT CHANGES

Approved by Operator's Representative [signature]

Approved by Toolpusher [signature]

CONSERVATION BOARD COPY

8917

WESTBURNE DRILLING LTD.

DAILY DRILLING LOG

RIG NO. 19 LOCATION MIDAL AMOCO KORISA RIVER I-52 BLOCK 109 LSD. SEC. TWP. RGE. W. DATE FEBRUARY 2 ND 1974

DIRECTIONS TO WELL MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 220 ROAD CONDITIONS ROUGH DAYS FROM SPUD

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
180	98	278	8	28			8	6 3/4	2 7/8	227.98				

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1A	13 3/4	OSC3	3/18	61338	5-10	180	278	28			1	750	72		1	N	

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				9.2	No. 1 PRESSURE	750	750	750	750	No. 2 PRESSURE				
VISCOSITY	42	50	42	40	MODEL	72	72	72	72	MODEL S.P.M.				
GEL					K500A LINER SIZE	7X15				BJ LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: 900 GEL 50 LIME GENERAL:

SURVEYS At Feet	Degrees
191	1/2
248	1/2

MOTOR HOURS	Next Oil Change
1 208	250
2 208	250
3 196	1000
4 276	250
5 334	250

Weather Temp. -20 Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			14783	65	65	14783	1-24-74	15283	285

TIME	START	STOP	INTVL.
DRILLING 13 3/4" HOLE	12:00	8:00	8
FIRES Nil — DRILLER'S SIGNATURE Ben Huber			8

8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
278	116	394	6	30 m			12	6 3/4	2 7/8	344.05		9.08		0

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1A	13 3/4	OSC-3	3/18	61338	5-10	180	394	34			1	800	72				

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	8.9			11	No. 1 PRESSURE	750	750	800	800	No. 2 PRESSURE				
VISCOSITY	45			40	MODEL	72	72	72	72	MODEL S.P.M.				
GEL					K500A LINER SIZE	7 x 15				BJ LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS At Feet	Degrees
335	1/2
394	3/3

MOTOR HOURS	Next Oil Change
1 216	250
2 216	250
3 204	1000
4 284	250
5 344	250

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			14783	65	65	14783	1-24-74	15283	285

TIME	START	STOP	INTVL.
DRLG 13 3/4" HOLE	8:00	9:00	1
REPAIR ROTARY CHAIN	9:00	11:00	2
DRLG 13 3/4" HOLE	11:00	4:00	5
FIRES — DRILLER'S SIGNATURE Mike Kaminski			8

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
394	91	485	8	36			15 1	6 3/4 6 1/4	2 7/8 2 7/8	430.61 30.33				26

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1A	13 3/4	OSC-3	3-18	61338	5-10	180-90	485	42			1	800			1	N	

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.3	9.3	9.4	9.5	No. 1 PRESSURE	800	800	800	800	No. 2 PRESSURE				
VISCOSITY	43	42	49	52	MODEL	72	72	72	72	MODEL S.P.M.				
GEL	2	x	15		K500A LINER SIZE	7	x	15		LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GEL 400# Lime 10# GENERAL:

SURVEYS At Feet	Degrees
480	1/2°

MOTOR HOURS	Next Oil Change
1 224	250
2 224	250
3 212	1000
4 292	250
5 352	250

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	1-960	8			14783	65	65	14783	1-24-74	15283	285

TIME	START	STOP	INTVL.
DRLG DRLG ON BOILERS & CANVAS	4:00	12:00	8
FIRES Nil — DRILLER'S SIGNATURE Frank Kaminski			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seat Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. | Rig Savers Chk'd. | Kelly Cock Chk'd. | Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m.	1202 gals.
Fuel Rec'd Today (add)	— gals.
TOTAL	1202 gals.
Fuel on Hand 11.59 p.m. (deduct)	547 gals.
FUEL USED	655 gals.

CASING REPORT RAN JTS CSG TC KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

TRANSFER #

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

EQUIPMENT CHANGES

Approved by Operator's Representative

Approved by Toolpusher

CONSERVATION BOARD COPY

8916

WESTBURNE DRILLING LTD.

RIG NO. 19 LOCATION MIANI BLOCK 109 LSD. SEC. TWP. RGE. W. DATE FEB 1 1974

DAILY DRILLING LOG

DIRECTIONS TO WELL 4N 5H N+W STEIN RIVER MAILING POINT STEEN RIVER SHIPPING POINT STEEN RIVER MILES MOVED 270 ROAD CONDITIONS Rough DAYS FROM SPUD

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly
0	78	78	4				1	6 3/4		28.76				Down

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1A	13 3/4	OSC3	3/18	61338													

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP		12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1	PRESSURE					No. 2	PRESSURE					1 184	250
VISCOSITY					MODEL	S.P.M.					MODEL	S.P.M.					2 184	250
GEL						LINER SIZE						LINER SIZE					3 192	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:			U. Flow:			O. Flow:						4 242	250
ADDITIVES:					GENERAL:												5 310	250
2400 CCL																	Weather	Water
																	Temp.	Bbls.

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	[illegible]	[illegible]	8			14783	65	65	14783	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
DRL RAT HOLE	1200	200	2
Rig To SPUD	200	400	2.
DRL.	400	800	4
FIRES — DRILLER'S SIGNATURE: Ben Huber			8
DRLG 13 3/4 HOLE	800	400	8

8 AM TO 4 PM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
78	37	115	8				3	6 3/4	2 7/8	85.72				20

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1A	13 3/4	OSC3	3/18	61338		110	115	12			1	750	72				

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP		8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1	PRESSURE	750	750	750	750	No. 2	PRESSURE					1 192	250
VISCOSITY	40	42	31	38	MODEL	S.P.M.	72	72	72	72	MODEL	S.P.M.					2 192	250
GEL					K 500	LINER SIZE	7	15				LINER SIZE					3 180	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:			U. Flow:			O. Flow:						4 260	250
ADDITIVES:					GENERAL:												5 318	250
GEL 1500 #																	Weather	Water
LIME 100 #																	Temp.	Bbls.

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	[illegible]	[illegible]	8			14783	65	65	14783	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
FIRES — DRILLER'S SIGNATURE: Mike Karpuik			8
DRLG 13 3/4 DRILLING IN BOULDERS	400	1200	8

4 PM TO MIDNIGHT TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
115	65	180	8	22			5	6 3/4	2 7/8	141.64				11

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1A	13 3/4	OSC3	3/18	61338	5	180					1	750	72		1	N	

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP		4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.1	9.2	9.2	9.3	No. 1	PRESSURE	750	750	750		No. 2	PRESSURE					1 200	250
VISCOSITY	39	38	37	39	MODEL	S.P.M.	72	72	72		MODEL	S.P.M.					2 200	250
GEL					K 500	LINER SIZE	7	X	14			LINER SIZE					3 188	1000
W.L.	F.C.		pH.		DESILTER: Hours Op:			U. Flow:			O. Flow:						4 268	250
ADDITIVES:					GENERAL:												5 336	250
GEL 1000 #																	Weather	Water
LIME 15 #																	Temp.	Bbls.

SURVEYS: At Feet 135 / Degrees 1 1/4; At Feet 160 / Degrees 1 0

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	[illegible]	[illegible]	8			14783	65	65	14783	1-24-74	15283	285

REMARKS	TIME START	STOP	INTVL.
FIRES — DRILLER'S SIGNATURE: [illegible]			
NIL			

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd. / Rig Savers Chk'd. / Kelly Cock Chk'd. / Fire Equip. Chk'd.

Fuel on Hand 12.01 a.m.	1733 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	1202 gals.
FUEL USED	531 gals.

CASING REPORT: RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M. CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND

DAYS FROM SPUD:

EQUIPMENT CHANGES

TRANSFER #

TOTAL COMPANY TIME HRS. CONTRACTOR'S TIME HRS.

Approved by Operator's Representative: [signature]

Approved by Toolpusher: C. Hogan

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