

SECURITY GPO : G SIMPSON

O-24-A

Drilling Authority No. 597
Date Issued: 10 February 1971

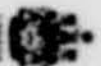
WELL NAME Security GPO & 2 Slapsen C-24-1

FIELD LOCATION: Unit 8 Area 25 Section 25 Grid 61-24-121-30
Latitude 61-23-24.00 Longitude 121-36-38.00
U.W.L.R. 61-23125 --- 121-57733
U.W.I. 61-23125/121-57733

Rig Release Date:
Status:
Information Release Date:

CHANGE OF NAME

DATE RECEIVED	INDEX
10-2-71	Application for a Drilling Authority. Well Completion Date. Well History Report. Application to Amend a Drilling Authority. Application to change a Well Name. Application to Abandon a Well or Suspend Drilling. Application to Alter Condition of a Well. Well History Supplement. Well Completion Date. Work-over Report No. Application to Commingle Production before Measurement. Data for Back Pressure Test on Natural Gas Wells - Manograph 7 Method. Data for Back Pressure Test on Natural Gas Wells - Vittor's Method. M.P.R. - Oil - Calculations. New Oil Well Report. New Gas Well Report. Well Inspection Report. Rig Inspection Report. Battery Inspection Report. Equipment Report. Well Card. New Service Well Report. Monthly Water Flood Operations Report Monthly Water Receipts and Disposal of Fluids Report Logs. Large scale. Small scale.



Drilling Authority No. 509
Project No. _____
File No. _____

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

Name & number of well: **Security Group Klugman G-26A**
Location: Unit **0** Section **24** Grid **61°20' N 121°30' W**
Latitude **61°13' 52.50" N** Longitude **121° 34' 38.40" W**

Unique Well Identifier: **NO-0366120121200**

Universal Well Location Reference: **61.23125°N, Long. 121.57733°W**

Elevation: Ground **911** K.M. TO FOLLOW

Well is expected to produce from: **Pre-Cambrian Zone** (see above and level information at a depth of about **3700**)

Area assigned to well: **3700** Expected total final depth: **3700**

See Oil & Gas Land Regulations, s. 10 (1) for details.

Permit No. **4302** Lease No. **61, 796**
Production, storage, or lease: **Security Freehold Petroleum Ltd.** **6 Green Plains**
Exploration License No. **1690** **Cal & Gas Ltd.**
1641

Surface owned by Crown or

Production and natural gas rights owned by **Security** (see above and section 10 (1) for details)

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

Casing Size (inches)	Weight (lb./ft.)	Grade	Type of Steel	Minimum Depth	Notes of Cement
10 3/4	32.75	K-55	Stm	600	Sufficient cement volume plus 25 cwt, to return to surface
8					
6					
4					

Supply casing, cement and type of cement equipment: **Anticipated production horizon will be from the basement. Cement equipment will consist of proper drilling fluid and adequate blow out prevention equipment**

Well will be drilled with Rotary Rig No. **35** by **Knobling Drilling Co.**
(Drilling Contractor or company)

Responsible agent of applicant: **H. Daboe** Contractor's business license No. **800**
At well: **11630 Klugman Avenue** At registered office: **R.L. Larocque**
Address: **11630 Klugman Avenue** Address: **11630 Klugman Avenue**
It is understood that the applicant becomes necessary for the change of **18** **71**
Dated at **Edmonton** this **18** day of **February** 19 **71**
Signed by **H. Daboe** Company **Hudson's Bay Oil & Gas Co. Ltd.**
Title **Director Drilling Foreman** Operator's License No. **1676**

(For Oil and Mineral Division use only)

APPROVED

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

- Copies of this application should be submitted to the Drilling Unit in both the Edmonton and the Drilling Authority's Offices between April and the release date.
- The Company will submit to this office, on Tuesday of each week, the latest reports
Dated **18th February** 19 **71** at **Edmonton, Alberta** **over page**

Form to be submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.
(AND SIGNATURE)

received by radio 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 the contamination of adjacent vegetation and surface or sub-surface waters.
4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.
5. Any additional strings of casing are to receive the approval of the Oil Conservation Engineer prior to running.

B.H. Jones

B.H. Jones, Oil Conservation Engineer

DAILY REPORTS:

1. Phone daily reports on depths, formation tops, generalized lithologic descriptions, every morning to:
Gordon L. Cox 267-2432 (office)
288-6759 (residence)

Special reports to be made as requested to:

George Dann 267-2430 (office)
249-8420 (residence)

2. Core and DST information should be transmitted immediately.


DISTRICT GEOLOGIST


MANAGER, GEOLOGICAL SECTION

Suggested C.M.O.B.C. Muds Kitting manifold

Pump or Pump truck to return mud to tank.

MUD TANK



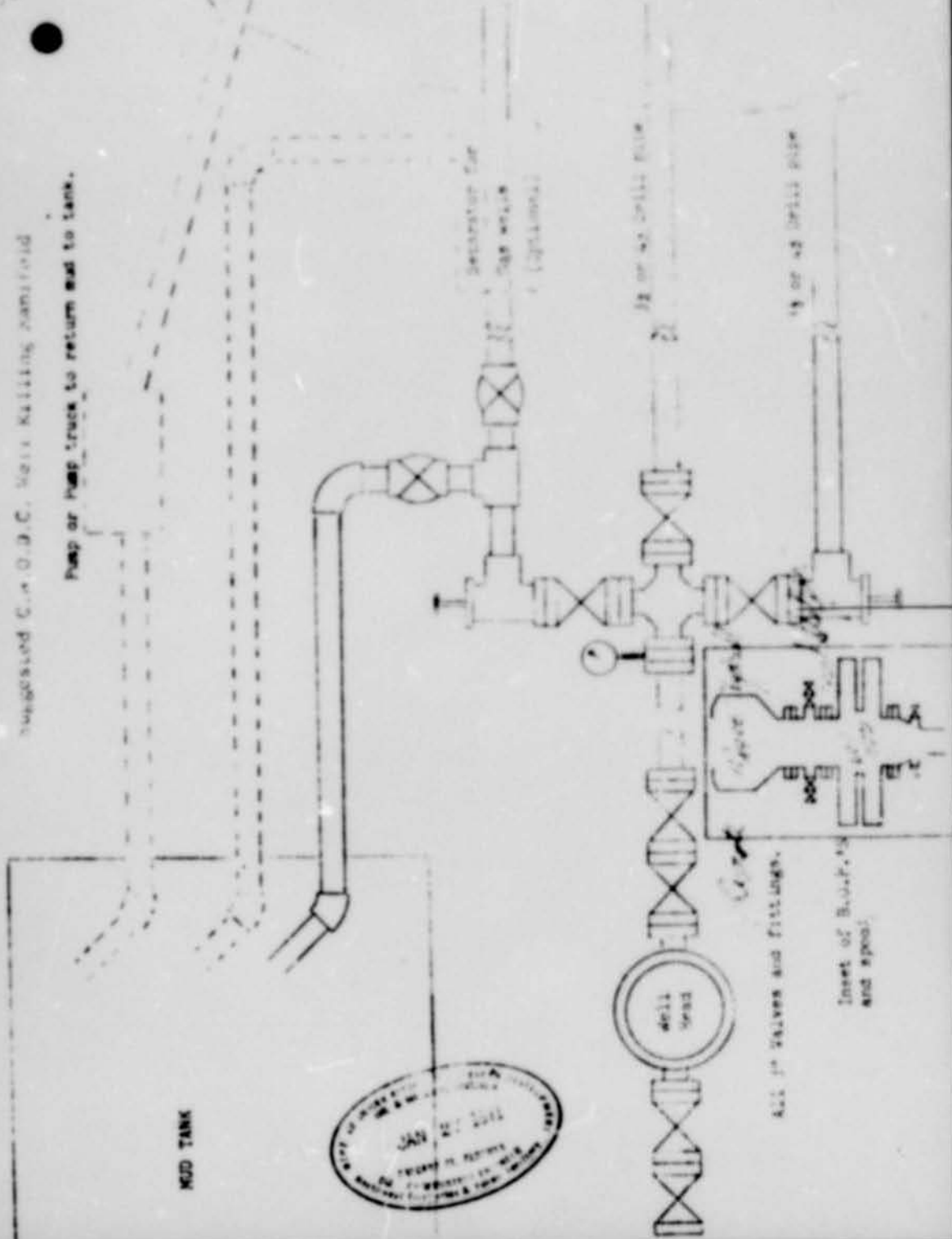
Separator for
gas weight
(optional)

3/4 or 1/2 Drill pipe

1/4 or 1/2 Drill pipe

All 1" Valves and fittings.

Insert of B.O.P. to
and spool

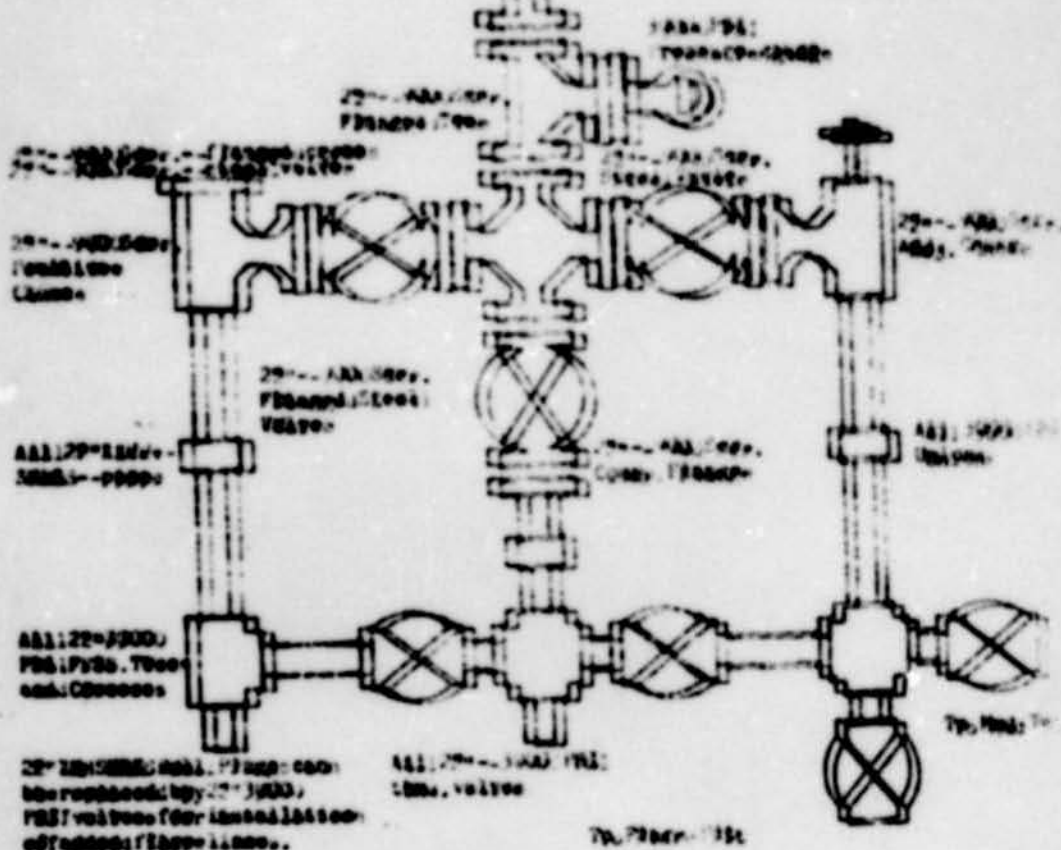


Standard Oil Co. of Cal.

4441 (Kallio) - 4441-44

Connections to 2nd Valve

2nd 1/2" NPS Pipe
Substituted 2nd 1/2" NPS Pipe, sub-
stituted 2nd 1/2" NPS Pipe



This unit feeds into the main line of 2nd or 3rd or
a combination of 2nd and 3rd 1/2" NPS pipe.

Figure 33 - 11

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

 DATE *March 6-71*

WELL NAME <i>Security 6004 Simpson 0-24-A</i>										LDG. FLG. TO KB										CASING RECORD										DEPTH SIZE WEIGHT GRADE CEMENT ACID PLUG DOWN										COMPANY SUPERVISOR <i>St. John</i>																																																	
CONTRACTOR <i>Hunting</i>										TYPE RIG <i>C.D. 3000</i>										GRD. ELEV.																																																																					
RIG NO. <i>35</i>										TOOL PUSHER																																																																															
12 P.M. TO 8 A.M.										8 A.M. TO 4 P.M.										4 P.M. TO 12 P.M.																																																																					
DEPTH										START <i>3697</i> PROGRESS										END										START <i>3697</i> PROGRESS										END										START PROGRESS										END																													
BIT RECORD										NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. RUN																				NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. RUN																				NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. RUN																																							
DRILLING DATA										LINER SIZE PUMP PRESSURE TABLE SPEED WEIGHT ON BIT																				LINER SIZE PUMP PRESSURE TABLE SPEED WEIGHT ON BIT																				LINER SIZE PUMP PRESSURE TABLE SPEED WEIGHT ON BIT																																							
DRILLING STRING										SIZE STANDS SINGLES DRILL COL. KELLY IN CORE BBL.																				SIZE STANDS SINGLES DRILL COL. KELLY IN CORE BBL.																				SIZE STANDS SINGLES DRILL COL. KELLY IN CORE BBL.																																							
MUD RECORD										TYPE OF MUD WEIGHT VIB WL PH FC																				TYPE OF MUD WEIGHT VIB WL PH FC																				TYPE OF MUD WEIGHT VIB WL PH FC																																							
ADDITIVES																				ADDITIVES																				ADDITIVES																																																	
CORING										NO. FROM TO RECOVERED FORMATION																				NO. FROM TO RECOVERED FORMATION																				NO. FROM TO RECOVERED FORMATION																																							
SURVEY										DES. AT FT. DES. AT FT. DES. AT FT.																				DES. AT FT. DES. AT FT. DES. AT FT.																				DES. AT FT. DES. AT FT. DES. AT FT.																																							
DRILL STEM TESTS										NO. INTERVAL FORMATION																				NO. INTERVAL FORMATION																				NO. INTERVAL FORMATION																																							
VALVE OPEN (MINS.)										INITIAL SHUT-IN (MINS.)										FINAL SHUT-IN (MINS.)										VALVE OPEN (MINS.)										INITIAL SHUT-IN (MINS.)										FINAL SHUT-IN (MINS.)										VALVE OPEN (MINS.)										INITIAL SHUT-IN (MINS.)										FINAL SHUT-IN (MINS.)									
GAS TO SURFACE										MIN. @										MCF/D MAX.										GAS TO SURFACE										MIN. @										MCF/D MAX.										GAS TO SURFACE										MIN. @										MCF/D MAX.									
OIL TO SURFACE										MIN. @										BBL/D MAX.										OIL TO SURFACE										MIN. @										BBL/D MAX.										OIL TO SURFACE										MIN. @										BBL/D MAX.									
RECOVERY										PRESS. (PSI) TEMP. (°F) CORR. (°F) PER. (°F) PER. (°F) PER. (°F)										RECOVERY										PRESS. (PSI) TEMP. (°F) CORR. (°F) PER. (°F) PER. (°F) PER. (°F)										RECOVERY										PRESS. (PSI) TEMP. (°F) CORR. (°F) PER. (°F) PER. (°F) PER. (°F)										RECOVERY										PRESS. (PSI) TEMP. (°F) CORR. (°F) PER. (°F) PER. (°F) PER. (°F)																			
REMARKS INCLUDING CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS										FROM TO DESCRIPTION OF WORK																				FROM TO DESCRIPTION OF WORK																				FROM TO DESCRIPTION OF WORK																																							
12 ⁰⁰ 12 ⁰⁰ TRIP OUT																				8 ⁰⁰ 8 ⁰⁰ W.O.C.																				4 ⁰⁰ 5 ⁰⁰ W.O.C.																																																	
12 ⁰⁰ 1 ⁰⁰ Run Plug #2 - 2700-2800																				8 ⁰⁰ 9 ⁰⁰ FILL Plug #2 @ 2640.																				5 ⁰⁰ 12 ⁰⁰ FILL Plug #3 @ 527																																																	
12 ⁰⁰ 6 ⁰⁰ W.O.C. Lay Down D.C.																				9 ⁰⁰ 10 ⁰⁰ Pull up to 660																				8 ⁰⁰ Lay Down D.C. TRIP OUT																																																	
Plug #2 - 2700-2800 w/ 110 SX 12 1/2																				10 ⁰⁰ 10 ⁰⁰ Run Plug #3																				BOP. CUT OFF CO.																																																	
CAL 12 Down @ 12:00																				10 ⁰⁰ 4 ⁰⁰ W.O.C.																				Run 10 SX CEMENT Plug																																																	
																				Plug #3 560-660 w/ 75 SX +																				in Surface Co. WELD																																																	
																				2 1/2 CAL 12 Plug Down @ 10:30 AM.																				on Plate & Location Sign																																																	
																																								Re released @ 13:00 A.M.																																																	
																																								March 6-71																																																	
DRILLER <i>H. Thompson</i>										NO. HELPERS <i>3</i>										DRILLER <i>R. Khanna</i>										NO. HELPERS <i>4</i>										DRILLER <i>R. Khanna</i>										NO. HELPERS <i>3</i>																																							

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

 DATE *March 5-71*

WELL NAME <i>Security 3697</i>	LDG. FLG. TO KB <i>0-24.0</i>	CASING RECORD	DEPTH <i>611</i>	SIZE <i>10 3/4</i>	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
CONTRACTOR <i>Hawthorn</i>	TYPE RIG <i>6-D 3000</i>	K. B. ELEV.								
RIG NO. <i>35</i>	TOOL. PUSHER	GRD. ELEV.								

	12 P.M. TO 8 A.M.										8 A.M. TO 4 P.M.										4 P.M. TO 12 P.M.																																												
DEPTH	START <i>3697</i>		PROGRESS						END <i>TD</i>		START <i>3697</i>		PROGRESS						END <i>TD</i>		START <i>3697</i>		PROGRESS						END <i>TD</i>																																				
BIT RECORD	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS.	RUN		NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS.	RUN		NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS.	RUN																																				
DRILLING DATA	LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT			LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT			LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT																																								
DRILLING STRING	SIZE		STANDS		SINGLES		DRILL COL.		KELLY IN		CORE BBL.		SIZE		STANDS		SINGLES		DRILL COL.		KELLY IN		CORE BBL.		SIZE		STANDS		SINGLES		DRILL COL.		KELLY IN		CORE BBL.																														
MUD RECORD	TYPE OF MUD		WEIGHT		VIS		WL		PH		FC		TYPE OF MUD		WEIGHT		VIS		WL		PH		FC		TYPE OF MUD		WEIGHT		VIS		WL		PH		FC																														
	ADDITIVES										ADDITIVES										ADDITIVES																																												
CORING	NO.	FROM	TO	RECOVERED	FORMATION						NO.	FROM	TO	RECOVERED	FORMATION						NO.	FROM	TO	RECOVERED	FORMATION																																								
SURVEY	DEG. AT		FT.		DEG. AT		FT.		DEG. AT		FT.		DEG. AT		FT.		DEG. AT		FT.		DEG. AT		FT.		DEG. AT		FT.		DEG. AT		FT.		DEG. AT		FT.																														
DRILL STEM TESTS	NO.		INTERVAL		FORMATION						NO.		INTERVAL		FORMATION						NO.		INTERVAL		FORMATION																																								
	VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)						VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)						VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)																																								
	GAS TO SURFACE		MIN. @		WCF/D MAX.						GAS TO SURFACE		MIN. @		WCF/D MAX.						GAS TO SURFACE		MIN. @		WCF/D MAX.																																								
	OIL TO SURFACE		MIN. @		BBL/D MAX.						OIL TO SURFACE		MIN. @		BBL/D MAX.						OIL TO SURFACE		MIN. @		BBL/D MAX.																																								
	RECOVERY:										RECOVERY:										RECOVERY:																																												
	PRESS.	UNIT	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PRESS.	UNIT	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PRESS.	UNIT	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI																														
REMARKS INCLUDING: CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS	FROM	TO	DESCRIPTION OF WORK										FROM	TO	DESCRIPTION OF WORK										FROM	TO	DESCRIPTION OF WORK																																						
	<i>12³⁰</i>	<i>12³⁰</i>	<i>REPAIR DRIVE CHAIN</i>										<i>8³⁰</i>	<i>8³⁰</i>	<i>TEAR OUT LOG TRUCK</i>										<i>4⁰⁰</i>	<i>9⁰⁰</i>	<i>W.O. ORDER</i>																																						
	<i>12³⁰</i>	<i>2⁰⁰</i>	<i>STRAP OUT TO LOG</i>										<i>8³⁰</i>	<i>1⁰⁰</i>	<i>W.O. ORDER</i>										<i>9⁰⁰</i>	<i>11⁰⁰</i>	<i>TRIP IN OPEN END</i>																																						
	<i>2⁰⁰</i>	<i>2³⁰</i>	<i>WAIT ON LOG TRUCK</i>																						<i>11⁰⁰</i>	<i>12⁰⁰</i>	<i>CEMENT PLUG #1</i>																																						
	<i>2³⁰</i>	<i>8⁰⁰</i>	<i>RIG UP LOG OF 30' LENGTH</i>																						<i>Plug #1 3400-T.D. R/168' on cement CEMENT BY B.S. SEASIDE PLUG DOWN @ 12:45 P.M.</i>																																								
DRILLER	<i>H. Thompson</i>										NO HELPERS	<i>3</i>										DRILLER	<i>R. R.</i>										NO HELPERS	<i>4</i>										DRILLER	<i>K. Anderson</i>										NO HELPERS	<i>3</i>									

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE March 4-71

WELL NAME <i>Security Block 0-24-A</i>										LDG. FLG. TO KB										CASING										DEPTH										SIZE										WEIGHT										GRADE										CEMENT										ACID										PLUG DOWN										COMPANY SUPERVISOR																													
CONTRACTOR <i>Hunting</i>										TYPE/RIG <i>GD 3000</i>										K. B. ELEV.										RECORD										611										1084																																																																															
RIG NO. <i>35</i>										TOOL PUSHER										GRD. ELEV.																																																																																																													

12 P.M. TO 8 A.M.															8 A.M. TO 4 P.M.															4 P.M. TO 12 P.M.																																														
DEPTH		START <i>3697</i>					PROGRESS					END <i>T.D.</i>					START <i>3697</i>		PROGRESS					END <i>T.D.</i>					START <i>3697</i>		PROGRESS					END <i>T.D.</i>																																								
NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS.	RSR	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS.	RSR	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS.	RSR																																																		
BIT RECORD		<i>6 FMS 24 14H 14 3698 3697 19 3 1/4</i>										<i>6 FMS 24 14H 14 3698 3697 19 3 1/4</i>																																																																
DRILLING DATA		LINER SIZE <i>6</i>					PUMP PRESSURE <i>500</i>					TABLE SPEED <i>-</i>					WEIGHT ON BIT <i>-</i>					LINER SIZE <i>6</i>					PUMP PRESSURE <i>500</i>					TABLE SPEED <i>-</i>					WEIGHT ON BIT <i>-</i>					LINER SIZE <i>6</i>					PUMP PRESSURE <i>500</i>					TABLE SPEED <i>-</i>					WEIGHT ON BIT <i>-</i>																			
DRILLING STRING		SIZE <i>4 1/2</i>					STANDS <i>54</i>					SINGLES <i>1</i>					DRILL COL. <i>394.91</i>					KELLY IN <i>15'</i>					CORE BBL.					SIZE <i>4 1/2</i>					STANDS <i>54</i>					SINGLES <i>1</i>					DRILL COL. <i>394.91</i>					KELLY IN <i>15'</i>					CORE BBL.																			
MUD RECORD		TYPE OF MUD <i>GYP</i>					WEIGHT <i>9.5</i>					VIS <i>9.5</i>					WL <i>12.0</i>					PH <i>9.5</i>					PC					TYPE OF MUD <i>GYP</i>					WEIGHT <i>9.4</i>					VIS <i>170</i>					WL <i>12</i>					PH <i>9.5</i>					PC																			
		ADDITIVES <i>GA 6 5500</i>																														TYPE OF MUD <i>GYP</i>					WEIGHT <i>9.4</i>					VIS <i>140</i>					WL <i>12</i>					PH <i>9.5</i>					PC																			
		ADDITIVES <i>GA 6 5500</i>																																			ADDITIVES <i>GA 6 1200</i>																																							
CORING		NO.					FROM					TO					RECOVERED					FORMATION					NO.					FROM					TO					RECOVERED					FORMATION					NO.					FROM					TO					RECOVERED					FORMATION				
SURVEY		DES. AT					FT.					DES. AT					FT.					DES. AT					FT.					DES. AT					FT.					DES. AT					FT.					DES. AT					FT.					DES. AT					FT.									
DRILL STEM TESTS		NO.					INTERVAL					FORMATION					NO.					INTERVAL					FORMATION					NO.					INTERVAL					FORMATION					NO.					INTERVAL					FORMATION																			
		VALVE OPEN (MINS.)					INITIAL SHUT-IN (MINS.)					FINAL SHUT-IN (MINS.)					VALVE OPEN (MINS.)					INITIAL SHUT-IN (MINS.)					FINAL SHUT-IN (MINS.)					VALVE OPEN (MINS.)					INITIAL SHUT-IN (MINS.)					FINAL SHUT-IN (MINS.)					VALVE OPEN (MINS.)					INITIAL SHUT-IN (MINS.)					FINAL SHUT-IN (MINS.)																			
		GAS TO SURFACE					MIN. B					WCF/D MAX.					GAS TO SURFACE					MIN. B					WCF/D MAX.					GAS TO SURFACE					MIN. B					WCF/D MAX.					GAS TO SURFACE					MIN. B					WCF/D MAX.																			
		OIL TO SURFACE					MIN. B					OBL/D MAX.					OIL TO SURFACE					MIN. B					OBL/D MAX.					OIL TO SURFACE					MIN. B					OBL/D MAX.					OIL TO SURFACE					MIN. B					OBL/D MAX.																			
		RECOVERY															RECOVERY															RECOVERY															RECOVERY															RECOVERY														
REMARKS INCLUDING CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS		FROM					TO					DESCRIPTION OF WORK					FROM					TO					DESCRIPTION OF WORK					FROM					TO					DESCRIPTION OF WORK					FROM					TO					DESCRIPTION OF WORK																			
		<i>12 30</i>					<i>2 30</i>					<i>Circ COND HOLE To LOG</i>					<i>8 30</i>					<i>1 30</i>					<i>R.C. SEA v BOP</i>					<i>4 30</i>					<i>4 30</i>					<i>R.C. SEA</i>																																		
		<i>2 30</i>					<i>3 30</i>					<i>Pull 19 STD Gun Suction TX</i>					<i>8 30</i>					<i>10 30</i>					<i>Dummy TRIP</i>					<i>4 30</i>					<i>5 30</i>					<i>TRIP IN</i>																																		
		<i>3 30</i>					<i>4 30</i>					<i>TRIP IN</i>					<i>10 30</i>					<i>10 30</i>					<i>Set of BRACKS</i>					<i>5 30</i>					<i>10 30</i>					<i>Circ HOLE To LOG</i>																																		
		<i>4 30</i>					<i>8 30</i>					<i>Circ To LOG</i>					<i>10 30</i>					<i>10 30</i>					<i>Run in 2 BERM 2200</i>					<i>10 30</i>					<i>11 30</i>					<i>Wash To LOG</i>																																		
																	<i>12 30</i>					<i>2 30</i>					<i>Circ To LOG</i>					<i>11 30</i>					<i>12 30</i>					<i>Repair DRIVE chain</i>																																		
																	<i>2 30</i>					<i>3 30</i>					<i>Pull 16 STD</i>																																																	
																	<i>3 30</i>					<i>4 30</i>					<i>Circ work on water pump</i>																																																	
DRILLER <i>H. Langham</i>												NO HELPERS <i>3</i>					DRILLER <i>B. Blumh</i>															NO HELPERS <i>4</i>					DRILLER <i>K. Blumh</i>															NO HELPERS <i>3</i>																								

[illegible]

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE *March 2-71*

WELL NAME <i>NA SECURITY CPG 0248</i>										LDG. FLG. TO KB					CASING RECORD		DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR <i>CR Brown</i>							
CONTRACTOR <i>HEATING</i>										TYPE RIG <i>CD 1000</i>					K. B. ELEV.																
RIG NO. <i>35</i>										TOOL PUSHER					GRD. ELEV.																
12 P.M. TO 8 A.M.										8 A.M. TO 4 P.M.										4 P.M. TO 12 P.M.											
DEPTH		START <i>7330</i>		PROGRESS <i>90</i>		END <i>3420</i>		START <i>3420</i>		PROGRESS <i>102</i>		END <i>3522</i>		START <i>3522</i>		PROGRESS <i>79</i>		END <i>3596</i>													
BIT RECORD		NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS. RUN	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS. RUN	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS. RUN						
		1	CG360	PK	3 1/2	3420	207	20		5	CG360	PK	3 1/2	3522	309	218			5	CG360	PK	3 1/2	3596	303	354						
DRILLING DATA		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT							
		6x14		800		40-55		70-30		6x14		500		55		30		6x14		500		55		20							
DRILLING STRING		SIZE		STANDS		SINGLES		DRILL COL.		KELLY IN		CORE BBL.		SIZE		STANDS		SINGLES		DRILL COL.		KELLY IN		CORE BBL.							
		4 1/2		50		-		394.91		12				4 1/2		51		1		394.91											
MUD RECORD		TYPE OF MUD		WEIGHT		VIS		WL		PH		FC		TYPE OF MUD		WEIGHT		VIS		WL		PH		FC							
				9.2		85		12		9		2/32				9.2		85		9											
ADDITIVES		9.3		78		11.6		9		2/32				ADDITIVES		9.3		86		12.6		9.5		3/32							
		CG 2300		23		76		14		9		2/32				CG 2300		23		76		14		9							
		DENEX 5		9.2		77		14		9		2/32				DENEX 5		9.2		77		14		9							
CORING		NO.		FROM		TO		RECOVERED		FORMATION		NO.		FROM		TO		RECOVERED		FORMATION		NO.		FROM		TO		RECOVERED		FORMATION	
SURVEY		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.			
DRILL STEM TESTS		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION							
		VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)		VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)		VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)		VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)							
		GAS TO SURFACE		MIN. @		MCF/D MAX.		GAS TO SURFACE		MIN. @		MCF/D MAX.		GAS TO SURFACE		MIN. @		MCF/D MAX.		GAS TO SURFACE		MIN. @		MCF/D MAX.							
		OIL TO SURFACE		MIN. @		BBL/D MAX.		OIL TO SURFACE		MIN. @		BBL/D MAX.		OIL TO SURFACE		MIN. @		BBL/D MAX.		OIL TO SURFACE		MIN. @		BBL/D MAX.							
		RECOVERY:						RECOVERY:						RECOVERY:						RECOVERY:											
		PRESS. (PSI)		TEMP. (°F)		COR. (°F)		PRESS. (PSI)		TEMP. (°F)		COR. (°F)		PRESS. (PSI)		TEMP. (°F)		COR. (°F)		PRESS. (PSI)		TEMP. (°F)		COR. (°F)							
REMARKS INCLUDING CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK							
		12 ⁰⁰		12 ¹³		DRILL		8 ⁰⁰		10 ¹⁵		DRILLING		4 ⁰⁰		5 ⁰⁰		DRILL		5 ⁰⁰		5 ¹⁵		DRILL							
		12 ¹³		12 ³⁰		CELLAR OVERSIGHT PUMP		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		12 ³⁰		12 ⁴⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		12 ⁴⁰		12 ⁴⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		12 ⁴⁵		12 ⁵⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		12 ⁵⁰		12 ⁵⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		12 ⁵⁵		1 ⁰⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ⁰⁰		1 ⁰⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ⁰⁵		1 ¹⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ¹⁰		1 ¹⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ¹⁵		1 ²⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ²⁰		1 ²⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ²⁵		1 ³⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ³⁰		1 ³⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ³⁵		1 ⁴⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ⁴⁰		1 ⁴⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ⁴⁵		1 ⁵⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ⁵⁰		1 ⁵⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		1 ⁵⁵		2 ⁰⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ⁰⁰		2 ⁰⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ⁰⁵		2 ¹⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ¹⁰		2 ¹⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ¹⁵		2 ²⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ²⁰		2 ²⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ²⁵		2 ³⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ³⁰		2 ³⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ³⁵		2 ⁴⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ⁴⁰		2 ⁴⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ⁴⁵		2 ⁵⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ⁵⁰		2 ⁵⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		2 ⁵⁵		3 ⁰⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		3 ⁰⁰		3 ⁰⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		3 ⁰⁵		3 ¹⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		3 ¹⁰		3 ¹⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		3 ¹⁵		3 ²⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		3 ²⁰		3 ²⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		3 ²⁵		3 ³⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		3 ³⁰		3 ³⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		3 ³⁵		3 ⁴⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		3 ⁴⁰		3 ⁴⁵		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵		5 ¹⁵		DRILL							
		3 ⁴⁵		3 ⁵⁰		DRILL		10 ¹⁵		10 ¹⁵		DRILLING		5 ¹⁵		5 ¹⁵		DRILL		5 ¹⁵											

[illegible]

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE Feb 28 / 71

WELL NAME NO SECURITY GPOG 310 PION 0-24 A				LDG. FLG. TO KB 10				CASING RECORD 6 11 12 3		DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
CONTRACTOR NEWTINE				TYPE RIG SD 3000				K. B. ELEV. 921									
RIG NO. 71				TOOL PUSHER				GRD. ELEV. 911									

DEPTH	12 P.M. TO 8 A.M.								8 A.M. TO 4 P.M.								4 P.M. TO 12 P.M.							
	START	3015	PROGRESS	100	END	3115	START	3115	PROGRESS	90	END	3195	START	3195	PROGRESS	10	END	7213						
BIT RECORD	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS. RUN	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS. RUN	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS. RUN
	4	29264	100	2 1/2	3115	360	23 1/2		4	29264	100	2 1/2	3195	440	31		4	29264	100	2 1/2	7213	451	33	

DRILLING DATA	LINER SIZE				PUMP PRESSURE				TABLE SPEED				WEIGHT ON BIT			
	SIZE	STANDS	SINGLES	DRILL COL.	SIZE	STANDS	SINGLES	DRILL COL.	SIZE	STANDS	SINGLES	DRILL COL.	SIZE	STANDS	SINGLES	DRILL COL.
	4 1/2	44	1	394.91	20				4 1/2	44	1	394.91	20			

DRILLING STRING	TYPE OF MUD				WEIGHT				VIS				WL				PH				FC			
	TYPE OF MUD	WEIGHT	VIS	WL	PH	FC	TYPE OF MUD	WEIGHT	VIS	WL	PH	FC	TYPE OF MUD	WEIGHT	VIS	WL	PH	FC						
		9.1	78					9.2	70	12.1	9	3/2		9.3	70									

MUD RECORD	TYPE OF MUD				WEIGHT				VIS				WL				PH				FC			
	TYPE OF MUD	WEIGHT	VIS	WL	PH	FC	TYPE OF MUD	WEIGHT	VIS	WL	PH	FC	TYPE OF MUD	WEIGHT	VIS	WL	PH	FC						
		9.1	78					9.2	70	12.1	9	3/2		9.3	70									

CORING	NO.				FROM				TO				RECOVERED				FORMATION			
	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION					

SURVEY	DES. AT				DES. AT				DES. AT				DES. AT			
	DES. AT	DES. AT	DES. AT	DES. AT	DES. AT	DES. AT	DES. AT	DES. AT	DES. AT	DES. AT	DES. AT	DES. AT	DES. AT			
	7	DES. AT	7213	FT.	DES. AT	7213	FT.	DES. AT	7213	FT.	DES. AT	7213	FT.			

DRILL STEM TESTS	VALVE OPEN (MIN.)				INITIAL SHUT-IN (MIN.)				FINAL SHUT-IN (MIN.)			
	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)			

REMARKS INCLUDING CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS	FROM				TO				DESCRIPTION OF WORK			
	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK			
	12 00	12 30	DRILL	8 00	10 30	DRILLING	4 00	6 00	DRILLING			
	12 30	1 00	DRILL 3000 SWIVEL + BOP	10 30	11 00	SURVEY	6 00	6 15	DRILL 3000 RIG SER			
	1 00	1 30	DRILL	11 00	11 30	RIG SER	6 15	6 30	HAIST BLOW RALLY			
	1 30	2 00	SURVEY	11 30	12 00	DRILLING	6 30	7 00	CHECK INJECTION TANK			
	2 00	2 30	DRILL (HOLE CAVING)				7 00	7 30	ACID INJECTION 5"			
							7 30	8 00	ACID INJECTION 5"			
							8 00	8 30	ACID INJECTION 5"			
							8 30	9 00	ACID INJECTION 5"			
							9 00	9 30	ACID INJECTION 5"			
							9 30	10 00	ACID INJECTION 5"			
							10 00	10 30	ACID INJECTION 5"			
							10 30	11 00	ACID INJECTION 5"			
							11 00	11 30	ACID INJECTION 5"			
							11 30	12 00	ACID INJECTION 5"			

DRILLER R. H. H. H.	NO. HELPERS 3	DRILLER R. H. H. H.	NO. HELPERS 3	DRILLER R. H. H. H.	NO. HELPERS 3
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Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE 7th 26-7

WELL NAME <i>NO SECURITY JIMSON 024-A</i>										LDG. FLG. TO KB <i>910</i>										CASING		DEPTH		SIZE		WT'GHT		GRADE		CEMENT		ACID		PLUG DOWN		COMPANY SUPERVISOR	
CONTRACTOR <i>KEATINGE</i>										TYPE RIG <i>GD 3000</i>										K. B. ELEV. <i>911</i>		RECORD															
RIG NO. <i>75</i>										TOOL PUSHER										GRD. ELEV. <i>911</i>																	
12 P.M. TO 8 A.M.										8 A.M. TO 4 P.M.										4 P.M. TO 12 P.M.																	
DEPTH		START <i>2664</i>		PROGRESS <i>91</i>		END <i>2755</i>		START <i>2755</i>		PROGRESS		END		START <i>2755</i>		PROGRESS		END																			
BIT RECORD		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.		NO. SERIAL NO. TYPE SIZE FROM TO FOOTAGE HRS. MIN.							
		<i>3 29191 X10 2 1/2 1939 2755 816 204</i>						<i>3 29191 X10 2 1/2 1939</i>																													
DRILLING DATA		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT													
		<i>2 1/4</i>		<i>350</i>		<i>80</i>		<i>10</i>		<i>2 1/4</i>								<i>2 1/4</i>																			
DRILLING STRING		SIZE		STANDS		SINGLES		DRILL COL.		KELLY IN		CORE BBL.		SIZE		STANDS		SINGLES		DRILL COL.		KELLY IN		CORE BBL.		SIZE		STANDS		SINGLES							
		<i>4 1/2</i>		<i>38</i>		<i>1</i>		<i>33451</i>		<i>77</i>																											
MUD RECORD		TYPE OF MUD		WEIGHT		VIS		WL		PH		FC		TYPE OF MUD		WEIGHT		VIS		WL		PH		FC		TYPE OF MUD		WEIGHT		VIS							
				<i>9.4</i>		<i>42</i>		<i>12</i>		<i>9.0</i>		<i>2/32</i>																									
				<i>9.3</i>		<i>45</i>																															
		ADDITIVES		<i>9.3</i>		<i>24</i>								ADDITIVES <i>Calumet</i>																							
		<i>5-2 3200</i>		<i>9.1</i>		<i>70</i>																															
		<i>GENCO 9545</i>		<i>9.0</i>		<i>37</i>																															
CORING		NO.		FROM		TO		RECOVERED		FORMATION		NO.		FROM		TO		RECOVERED		FORMATION		NO.		FROM		TO		RECOVERED		FORMATION							
SURVEY		75		DES. AT <i>2664</i> FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT							
DRILL STEM TESTS		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION							
		VALVE OPEN (IN/IN)		INITIAL SHUT-IN (IN/IN)		FINAL SHUT-IN (IN/IN)		VALVE OPEN (IN/IN)		INITIAL SHUT-IN (IN/IN)		FINAL SHUT-IN (IN/IN)		VALVE OPEN (IN/IN)		INITIAL SHUT-IN (IN/IN)		FINAL SHUT-IN (IN/IN)		VALVE OPEN (IN/IN)		INITIAL SHUT-IN (IN/IN)		FINAL SHUT-IN (IN/IN)		VALVE OPEN (IN/IN)		INITIAL SHUT-IN (IN/IN)		FINAL SHUT-IN (IN/IN)							
		GAS TO SURFACE		MIN. @		MCP/D MAX.		GAS TO SURFACE		MIN. @		MCP/D MAX.		GAS TO SURFACE		MIN. @		MCP/D MAX.		GAS TO SURFACE		MIN. @		MCP/D MAX.		GAS TO SURFACE		MIN. @		MCP/D MAX.							
		OIL TO SURFACE		MIN. @		MCP/D MAX.		OIL TO SURFACE		MIN. @		MCP/D MAX.		OIL TO SURFACE		MIN. @		MCP/D MAX.		OIL TO SURFACE		MIN. @		MCP/D MAX.		OIL TO SURFACE		MIN. @		MCP/D MAX.							
		RECOVERY						RECOVERY						RECOVERY						RECOVERY						RECOVERY											
		PRESS. (PSI)		TEMP.		TEMP.		PRESS. (PSI)		TEMP.		TEMP.		PRESS. (PSI)		TEMP.		TEMP.		PRESS. (PSI)		TEMP.		TEMP.		PRESS. (PSI)		TEMP.		TEMP.							
REMARKS INCLUDING CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK							
		<i>12 00</i>		<i>12 30</i>		<i>RIG SHUT + 500-47</i>		<i>9 00</i>		<i>9 00</i>		<i>Dummy test 12 500</i>		<i>4 00</i>		<i>4 15</i>		<i>NEAR UP TO TEST OBT 91</i>		<i>4 00</i>		<i>4 15</i>		<i>NEAR UP TO TEST OBT 91</i>		<i>4 00</i>		<i>4 15</i>		<i>NEAR UP TO TEST OBT 91</i>							
		<i>12 30</i>		<i>12 45</i>		<i>DRILL</i>		<i>9 00</i>		<i>9 00</i>		<i>CIR Cond and to test</i>		<i>4 00</i>		<i>4 15</i>		<i>TESTING</i>		<i>4 00</i>		<i>4 15</i>		<i>TESTING</i>		<i>4 00</i>		<i>4 15</i>		<i>TESTING</i>							
		<i>12 45</i>		<i>1 00</i>		<i>CIRG SAMPLE</i>		<i>9 00</i>		<i>9 00</i>		<i>Slow Kelly test to test</i>		<i>4 00</i>		<i>4 15</i>		<i>RIG OUT TEST HEAD M.OIST</i>		<i>4 00</i>		<i>4 15</i>		<i>RIG OUT TEST HEAD M.OIST</i>		<i>4 00</i>		<i>4 15</i>		<i>RIG OUT TEST HEAD M.OIST</i>							
		<i>1 00</i>		<i>1 15</i>		<i>DRILL</i>		<i>9 00</i>		<i>9 00</i>		<i>Rig up OBT 91</i>		<i>4 00</i>		<i>4 15</i>		<i>20 WET 1505</i>		<i>4 00</i>		<i>4 15</i>		<i>20 WET 1505</i>		<i>4 00</i>		<i>4 15</i>		<i>20 WET 1505</i>							
		<i>1 15</i>		<i>1 30</i>		<i>CIRG wood Sample 16.19 g/lbs.</i>		<i>9 00</i>		<i>9 00</i>		<i>Set back down from 1000</i>		<i>4 00</i>		<i>4 15</i>		<i>DRILL DOWN TO 10</i>		<i>4 00</i>		<i>4 15</i>		<i>DRILL DOWN TO 10</i>		<i>4 00</i>		<i>4 15</i>		<i>DRILL DOWN TO 10</i>							
		<i>1 30</i>		<i>1 45</i>				<i>9 00</i>		<i>9 00</i>		<i>Rig up Run in</i>		<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>1 45</i>		<i>2 00</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>2 00</i>		<i>2 15</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>2 15</i>		<i>2 30</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>2 30</i>		<i>2 45</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>2 45</i>		<i>3 00</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>3 00</i>		<i>3 15</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>3 15</i>		<i>3 30</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>3 30</i>		<i>3 45</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>3 45</i>		<i>4 00</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>4 00</i>		<i>4 15</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>4 15</i>		<i>4 30</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>4 30</i>		<i>4 45</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>4 45</i>		<i>5 00</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>5 00</i>		<i>5 15</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>5 15</i>		<i>5 30</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>5 30</i>		<i>5 45</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>5 45</i>		<i>6 00</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>6 00</i>		<i>6 15</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>6 15</i>		<i>6 30</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>6 30</i>		<i>6 45</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>6 45</i>		<i>7 00</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>7 00</i>		<i>7 15</i>				<i>9 00</i>		<i>9 00</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>				<i>4 00</i>		<i>4 15</i>									
		<i>7 15</i>		<i>7 30</i>																																	

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE 9-25-71

WELL NAME <u>NO SECURITY SECTION R-24 R</u>										LDG. FLG. TO KB <u> </u>		CASING RECORD		DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
CONTRACTOR <u>MENTING</u>										TYPE RIG <u>GO 3000</u>		K. B. ELEV. <u>10.20</u>									
RIG NO <u>35</u>										TOOL PUSHER		GRD. ELEV. <u> </u>									

	12 P.M. TO 8 A.M.										8 A.M. TO 4 P.M.										4 P.M. TO 12 P.M.									
DEPTH	START <u>1939</u>		PROGRESS <u>332</u>		END <u>2271</u>		START <u>2271</u>		PROGRESS <u> </u>		END <u>2482</u>		START <u>2482</u>		PROGRESS <u>191</u>		END <u>2664</u>													
BIT RECORD	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRL	WBL	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRL	WBL	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRL	WBL			
	2	29191	X16	8 1/4	1939	2271	332	7		3	29191	X16	8 1/4	1939	2482	543	15 1/4		3	29191	X16	8 1/4	1939	2664						

DRILLING DATA	LINEAR SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT	LINEAR SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT	LINEAR SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
	<u>6 X 14</u>	<u>550</u>	<u>120</u>	<u>10-20</u>	<u>6 X 14</u>	<u>550</u>						

DRILLING STRING	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL
	<u>4 1/2</u>			<u>34.91</u>			<u>4 1/2</u>	<u>24</u>		<u>34.91</u>	<u>10</u>		<u>4 1/2</u>	<u>37</u>		<u>34.91</u>	<u>37</u>	

MUD RECORD	TYPE OF MUD	WEIGHT	VIS	WL	PH	FC	TYPE OF MUD	WEIGHT	VIS	WL	PH	FC	TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
		<u>29</u>	<u>5.5</u>					<u>91</u>	<u>56</u>									
		<u>80</u>	<u>5.2</u>					<u>91</u>	<u>53</u>									
	ADDITIVES	<u>92</u>	<u>62</u>				ADDITIVES	<u>601 - 15 ml</u>	<u>H. 8</u>	<u>10.20</u>		ADDITIVES	<u>CEL 2500</u>					
	<u>CEL 2300</u>	<u>91</u>	<u>5.4</u>					<u>Redox - 3 ml</u>					<u>Redox 5 ml</u>					

CORING	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION

SURVEY	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION						
	<u>1</u>	<u>DEG. AT 2031 FT.</u>	<u>2 1/2</u>	<u>DEG. AT 2122 FT.</u>	<u>2</u>	<u>DEG. AT 2212 FT.</u>	<u>28</u>	<u>DEG. AT 2361 FT.</u>	<u>28</u>	<u>DEG. AT 2492 FT.</u>	<u>3</u>	<u>DEG. AT 2682 FT.</u>	<u>76</u>	<u>DEG. AT 2573 FT.</u>	<u>DEG. AT 2682 FT.</u>

DRILL STEM TESTS	VALVE OPEN (MINS.)	INITIAL SHUT-IN (MINS.)	FINAL SHUT-IN (MINS.)	VALVE OPEN (MINS.)	INITIAL SHUT-IN (MINS.)	FINAL SHUT-IN (MINS.)	VALVE OPEN (MINS.)	INITIAL SHUT-IN (MINS.)	FINAL SHUT-IN (MINS.)

REMARKS INCLUDING	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK
	<u>12:00</u>	<u>12:15</u>	<u>AIC 300 SWIVEL</u>	<u>1/4</u>	<u>8:00</u>	<u>Drilling</u>	<u>1:00</u>	<u>1:15</u>	<u>2 1/2 SEC</u>
	<u>12:15</u>	<u>2:00</u>	<u>DRAG</u>	<u>1 1/4</u>	<u>8:30</u>	<u>Rep 500</u>	<u>1:15</u>	<u>1:30</u>	<u>Drilling</u>
	<u>2:00</u>	<u>2:15</u>	<u>SURVEY</u>	<u>1/4</u>	<u>9:00</u>	<u>Survey</u>	<u>1:30</u>	<u>1:45</u>	<u>Survey</u>
	<u>2:15</u>	<u>4:00</u>	<u>DRAG</u>	<u>1 1/4</u>	<u>9:05</u>	<u>Drilling</u>	<u>1:45</u>	<u>2:00</u>	<u>Survey</u>
	<u>4:00</u>	<u>4:15</u>	<u>SURVEY</u>	<u>1/4</u>	<u>9:10</u>	<u>Change size sub remove Robben</u>	<u>2:00</u>	<u>12:00</u>	<u>DRAG</u>
	<u>4:15</u>	<u>6:30</u>	<u>DRAG</u>	<u>2</u>	<u>10:30</u>	<u>Drilling</u>			
	<u>6:30</u>	<u>6:45</u>	<u>SURVEY</u>	<u>1/4</u>	<u>12:00</u>	<u>Survey</u>			
	<u>6:45</u>	<u>8:00</u>	<u>DRAG</u>	<u>1 1/2</u>	<u>12:05</u>	<u>Drilling</u>			
				<u>7:45</u>	<u>4</u>	<u>SURVEY</u>			

DRILLER <u>A. K. K...</u>	NO. HELPERS <u>3</u>	DRILLER <u>A. L. T...</u>	NO. HELPERS <u>3</u>	DRILLER <u> </u>	NO. HELPERS <u> </u>
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Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE Feb 24-71

WELL NAME <u>SECURITY SIBSON C-09 0-2NA</u>										LDG. FLG. TO KB <u> </u>		CASING RECORD		DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR																
CONTRACTOR <u>Kentline</u>										K. B. ELEV. <u>10.20</u>																											
RIG NO. <u>25</u>										GRD. ELEV. <u>911</u>											<u> </u>																
12 P.M. TO 6 A.M.										8 A.M. TO 4 P.M.										4 P.M. TO 12 P.M.																	
DEPTH		START <u>1547</u>		PROGRESS <u>127</u>		END <u>1674</u>		START <u>1674</u>		PROGRESS		END <u>1847</u>		START <u>1947</u>		PROGRESS <u>925</u>		END <u>1979</u>																			
BIT RECORD		NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS. PER	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS. PER	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WTS. PER												
		2	21797	OKG	2 1/2	1374	1674	282	104	2	21797	OKG	2 1/2	1374	1947	461	174		2	21797	OKG	2 1/2	1374	1979	637	21											
																			3	29191	RIG	2 1/2															
DRILLING DATA		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT													
		5x14		500		120		10-8-6		5x14		500		120		9-12		5x14		500		120															
DRILLING STRING		SIZE		STANDS		SINGLES		DRILL COL.		SIZE		STANDS		SINGLES		DRILL COL.		SIZE		STANDS		SINGLES		DRILL COL.													
		4 1/2		21				394.91		4 1/2		23		1		394.91		4 1/2																			
MUD RECORD		TYPE OF MUD		WEIGHT		VIB		WL		PH		FC		TYPE OF MUD		WEIGHT		VIB		WL		PH		FC		TYPE OF MUD		WEIGHT		VIB		WL		PH		FC	
				8.2		42				P.5				Gal-mud		8.0		58								Gal-mud		8.0		58							
				9.0		52										9.0		58										9.0		58							
		ADDITIVES		P.3		48								ADDITIVES		Gal		1500								ADDITIVES		P.3		55							
		CCK 1400		P.5		47										Gal		1500								Gal		1500									
		1000		1000																																	
CORING		NO.		FROM		TO		RECOVERED		FORMATION		NO.		FROM		TO		RECOVERED		FORMATION		NO.		FROM		TO		RECOVERED		FORMATION							
SURVEY		1 st DES. AT <u>1605</u> FT.		2 nd DES. AT <u>1605</u> FT.		DES. AT		FT.		1 st DES. AT <u>1714</u> FT.		2 nd DES. AT <u>1817</u> FT.		DES. AT		FT.		1 st DES. AT <u>1827</u> FT.		2 nd DES. AT <u>1829</u> FT.		DES. AT		FT.													
DRILL STEM TESTS		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION													
		VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)		VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)		VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)		VALVE OPEN (MINS.)		INITIAL SHUT-IN (MINS.)		FINAL SHUT-IN (MINS.)													
		GAS TO SURFACE		MIN. @		MCP/D MAX.		GAS TO SURFACE		MIN. @		MCP/D MAX.		GAS TO SURFACE		MIN. @		MCP/D MAX.		GAS TO SURFACE		MIN. @		MCP/D MAX.													
		OIL TO SURFACE		MIN. @		SBL/D MAX.		OIL TO SURFACE		MIN. @		SBL/D MAX.		OIL TO SURFACE		MIN. @		SBL/D MAX.		OIL TO SURFACE		MIN. @		SBL/D MAX.													
		RECOVERY						RECOVERY						RECOVERY						RECOVERY																	
		PRESS. (PSI)		TEMP. (°F)		TEMP. (°F)		PRESS. (PSI)		TEMP. (°F)		TEMP. (°F)		PRESS. (PSI)		TEMP. (°F)		TEMP. (°F)		PRESS. (PSI)		TEMP. (°F)		TEMP. (°F)													
REMARKS INCLUDING: CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK													
		11:00		11:30		RIG SET + ADJUST + PUMP IN + TEST		9:00		9:30		Rig set + ADJ. + P. 500		8:00		8:30		Drilling		8:00		8:30		Rig set		2											
		11:30		12:00		DRILL		10:00		10:30		Drilling		9:00		9:30		Rig set		8:30		9:00		SURVEY		1/2											
		12:00		12:30		SURVEY		10:30		11:00		SURVEY		9:30		10:00		SURVEY		9:00		9:30		SURVEY		1/2											
		12:30		1:00		DRILL		11:00		11:30		Drilling		10:00		10:30		Drilling		9:30		10:00		SURVEY		1/2											
		1:00		1:30		SURVEY		11:30		12:00		SURVEY		10:30		11:00		SURVEY		10:00		10:30		SURVEY		1/2											
		1:30		2:00		OKG		12:00		12:30		SURVEY		11:00		11:30		SURVEY		10:30		11:00		SURVEY		1/2											
		2:00		2:30		RIG WASH RIG		12:30		1:00		Drilling		11:30		12:00		SURVEY		11:00		11:30		SURVEY		1/2											
		DRILLER <u>R. K. K...</u>				NO. HELPERS <u>3</u>		DRILLER <u>R. K. K...</u>				NO. HELPERS <u>3</u>		DRILLER				NO. HELPERS <u>3</u>		DRILLER				NO. HELPERS <u>3</u>													

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE 7-23-71

WELL NAME	SECURITY SINK 4669 024A	LDG. FLG. TO KB	10	CASING	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
CONTRACTOR	Hettinger	TYPE RIG	60-3000	K. B. ELEV.	921	RECORD	6 1/2	10 1/2	32.25	H40		
RIG NO.	82	TOOL PUSHER		GRD. ELEV.	911							

DEPTH	12 P.M. TO 8 A.M.										8 A.M. TO 4 P.M.										4 P.M. TO 12 P.M.									
	START	1127	PROGRESS	172	END	1302	START	1302	PROGRESS	82	END	1304	START	1304	PROGRESS	163	END	1547			START	1304	PROGRESS	163	END	1547				
BIT RECORD	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS	RUN	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS	RUN	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS	RUN			
	1	15686	OK	3 1/2	1127	1302	691	15 1/2		1	15386	OK	3 1/2	1302	1304	774	21 1/2		2	21281	OK	3 1/2	1304	1547	163	16 1/2				
DRILLING DATA	LINE	SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT	LINE	SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT	LINE	SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT	LINE	SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT	LINE	SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT	LINE	SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
	6	1/4	500	120	10-20	6	1/4	500	120-15	10-20	6	1/4	500	120-15	10-20	6	1/4	500	120-15	10-20	6	1/4	500	120-15	10-20	6	1/4	500	120-15	10-20
DRILLING STRING	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL
	4 1/2	14	1	27491	22		4 1/2	16		27491	24		4 1/2	18	1	27491	22		4 1/2	18	1	27491	22		4 1/2	18	1	27491	22	
MUD RECORD	TYPE OF MUD	WEIGHT	VIS	WL	PH	PC	TYPE OF MUD	WEIGHT	VIS	WL	PH	PC	TYPE OF MUD	WEIGHT	VIS	WL	PH	PC	TYPE OF MUD	WEIGHT	VIS	WL	PH	PC	TYPE OF MUD	WEIGHT	VIS	WL	PH	PC
	GEL-13	8.9	35				GEL-WATER	9.1	42				GEL-WATER	9.1	44				GEL-WATER	9.1	44				GEL-WATER	9.1	44			
CORING	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION
SURVEY	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION
	1	1184	1	1274			1	1184	1	1274			1	1184	1	1274			1	1184	1	1274			1	1184	1	1274		
DRILL STEM TESTS	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)	VALVE OPEN (MIN.)	INITIAL SHUT-IN (MIN.)	FINAL SHUT-IN (MIN.)
REMARKS INCLUDING CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK
	1200	1200	DRILL	1200	1200	DRILL	1200	1200	DRILL	1200	1200	DRILL	1200	1200	DRILL	1200	1200	DRILL	1200	1200	DRILL	1200	1200	DRILL	1200	1200	DRILL	1200	1200	DRILL

DRILLER / [Signature] NO. HELPERS 3 DRILLER / [Signature] NO. HELPERS 3 DRILLER / [Signature] NO. HELPERS 3

[illegible]

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE FEB 21/71

WELL NAME	SECURITY 510224-10 0244	LDG. FLG. TO KB	10	CASING	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
CONTRACTOR	HEATING	TYPE RIG	G.D. 3000	K. B. ELEV.	921			14.40	540	2.14	2000	
RIG NO.	35	TOOL PUSHER	B. Farley	GRD. / ELEV.	911							

	12 P.M. TO 8 A.M.										8 A.M. TO 4 P.M.										4 P.M. TO 12 P.M.									
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DEPTH	START	611	PROGRESS	END	START	PROGRESS	END	START	PROGRESS	END
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BIT RECORD	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS	RUN	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS	RUN	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS	RUN

DRILLING DATA	LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT	LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT	LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
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DRILLING STRING	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
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MUD RECORD	TYPE OF MUD	WEIGHT	VIS	WL	PH	PC	TYPE OF MUD	WEIGHT	VIS	WL	PH	PC	TYPE OF MUD	WEIGHT	VIS	WL	PH	PC

ADDITIVES	ADDITIVES	ADDITIVES
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CORING	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION	NO.	FROM	TO	RECOVERED	FORMATION
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SURVEY	DES. AT	FT.	DES. AT	FT.	DES. AT	FT.	DES. AT	FT.	DES. AT	FT.	DES. AT	FT.	DES. AT	FT.	DES. AT	FT.
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DRILL STEM TESTS	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION	NO.	INTERVAL	FORMATION
	VALVE OPEN (MINS.)	INITIAL SHUT-IN (MINS.)	FINAL SHUT-IN (MINS.)	VALVE OPEN (MINS.)	INITIAL SHUT-IN (MINS.)	FINAL SHUT-IN (MINS.)	VALVE OPEN (MINS.)	INITIAL SHUT-IN (MINS.)	FINAL SHUT-IN (MINS.)
	GAS TO SURFACE	MIN. @	MC/D MAX	GAS TO SURFACE	MIN. @	MC/D MAX	GAS TO SURFACE	MIN. @	MC/D MAX
	OIL TO SURFACE	MIN. @	BBL/D MAX	OIL TO SURFACE	MIN. @	BBL/D MAX	OIL TO SURFACE	MIN. @	BBL/D MAX

REMARKS INCLUDING CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK	FROM	TO	DESCRIPTION OF WORK
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1200 1220 RUN C&G
 1230 150 C&G C&G
 140 300 CEMENT & Amp plug
 200 500 N.P.C.
 RUN 21 1/2" NEW H 40. 30.95" 10 3/4" C&G 613.41/surface
 CEMENT 8-1 w/ 540 5x C&G cement + 2% C&G
 w/ 1000 P.S.T. 0 500 H.M. FEB 21-71
 DRILLER Steven Croteau NO HELPERS 135
 DRILLER 4000 w/ 1000 NO HELPERS 4
 DRILLER Dwight Jones NO HELPERS 3

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE Feb 20-71

WELL NAME <i>Security Company Ltd. D-24-A</i>										LDG. FLG. TO KB <i>10'</i>										CASING RECORD		DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
CONTRACTOR <i>Hunting</i>										TYPE RIG <i>RR 300</i>										K. B. ELEV. <i>921</i>									
RIG NO. <i>33</i>										TOOL PUSHER										GRD. ELEV. <i>911</i>									

12 P.M. TO 8 A.M.														8 A.M. TO 4 P.M.														4 P.M. TO 12 P.M.																											
DEPTH		START		PROGRESS		END		START		PROGRESS		END		START		PROGRESS		END																																					
BIT RECORD		NO. <i>3A</i>		SERIAL NO. <i>RR</i>		TYPE <i>DT</i>		SIZE <i>8 1/4</i>		FROM <i>586</i>		TO <i>605</i>		FOOTAGE <i>19</i>		WRS. RUN <i>95</i>		NO. <i>3A</i>		SERIAL NO. <i>RR</i>		TYPE <i>RR</i>		SIZE <i>8 1/4</i>		FROM <i>605</i>		TO <i>610</i>		FOOTAGE <i>5</i>		WRS. RUN <i>184</i>		NO. <i>RA</i>		SERIAL NO. <i>RR</i>		TYPE <i>RR</i>		SIZE <i>8 1/4</i>		FROM <i>115</i>		TO <i>110</i>		FOOTAGE <i>5</i>		WRS. RUN <i>108</i>							
DRILLING DATA		LINER SIZE <i>6 1/4</i>		PUMP PRESSURE <i>500</i>		TABLE SPEED <i>100</i>		WEIGHT ON BIT <i>4.00</i>		LINER SIZE <i>6 1/4</i>		PUMP PRESSURE <i>500</i>		TABLE SPEED <i>100</i>		WEIGHT ON BIT <i>10.00</i>		LINER SIZE <i>6 1/4</i>		PUMP PRESSURE <i>500</i>		TABLE SPEED <i>120</i>		WEIGHT ON BIT <i>15.00</i>																															
DRILLING STRING		SIZE <i>4 1/2</i>		STANDS <i>394</i>		SINGLES <i>91</i>		DRILL COL. <i>24</i>		SIZE <i>4 1/2</i>		STANDS <i>394</i>		SINGLES <i>91</i>		DRILL COL. <i>24</i>		SIZE <i>4 1/2</i>		STANDS <i>394</i>		SINGLES <i>91</i>		DRILL COL. <i>24</i>																															
MUD RECORD		TYPE OF MUD <i>GEL</i>		WEIGHT <i>9.2</i>		VIS <i>65</i>		WL <i></i>		PH <i></i>		PC <i></i>		TYPE OF MUD <i>GEL</i>		WEIGHT <i>9.2</i>		VIS <i>100</i>		WL <i></i>		PH <i></i>		PC <i></i>		TYPE OF MUD <i>GEL</i>		WEIGHT <i>9.2</i>		VIS <i>157</i>		WL <i></i>		PH <i></i>		PC <i></i>																			
		ADDITIVES <i></i>								ADDITIVES <i>GEL-80</i>										ADDITIVES <i>GEL-1200</i>																																			
CORING		NO. <i></i>		FROM <i></i>		TO <i></i>		RECOVERED <i></i>		FORMATION <i></i>		NO. <i></i>		FROM <i></i>		TO <i></i>		RECOVERED <i></i>		FORMATION <i></i>		NO. <i></i>		FROM <i></i>		TO <i></i>		RECOVERED <i></i>		FORMATION <i></i>																									
SURVEY		1° DEG. AT <i>586</i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.		DEG. AT <i></i> FT.																									
DRILL STEM TESTS		NO. <i></i>		INTERVAL <i></i>		FORMATION <i></i>		VALVE OPEN (MINS.) <i></i>		INITIAL SHUT-IN (MINS.) <i></i>		FINAL SHUT-IN (MINS.) <i></i>		NO. <i></i>		INTERVAL <i></i>		FORMATION <i></i>		VALVE OPEN (MINS.) <i></i>		INITIAL SHUT-IN (MINS.) <i></i>		FINAL SHUT-IN (MINS.) <i></i>		NO. <i></i>		INTERVAL <i></i>		FORMATION <i></i>		VALVE OPEN (MINS.) <i></i>		INITIAL SHUT-IN (MINS.) <i></i>		FINAL SHUT-IN (MINS.) <i></i>																			
		GAS TO SURFACE		MIN. @ <i></i>		WCF/D MAX. <i></i>		GAS TO SURFACE		MIN. @ <i></i>		WCF/D MAX. <i></i>		GAS TO SURFACE		MIN. @ <i></i>		WCF/D MAX. <i></i>		GAS TO SURFACE		MIN. @ <i></i>		WCF/D MAX. <i></i>		GAS TO SURFACE		MIN. @ <i></i>		WCF/D MAX. <i></i>																									
		OIL TO SURFACE		MIN. @ <i></i>		DBL/D MAX. <i></i>		OIL TO SURFACE		MIN. @ <i></i>		DBL/D MAX. <i></i>		OIL TO SURFACE		MIN. @ <i></i>		DBL/D MAX. <i></i>		OIL TO SURFACE		MIN. @ <i></i>		DBL/D MAX. <i></i>		OIL TO SURFACE		MIN. @ <i></i>		DBL/D MAX. <i></i>																									
		RECOVERY: <i></i>						RECOVERY: <i></i>						RECOVERY: <i></i>						RECOVERY: <i></i>						RECOVERY: <i></i>																													
REMARKS INCLUDING: CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS		FROM <i>12.00</i>		TO <i>2.15</i>		DESCRIPTION OF WORK <i>Drill</i>		FROM <i>3.00</i>		TO <i>9.15</i>		DESCRIPTION OF WORK <i>Drill 8 1/4 Hole</i>		FROM <i>4.00</i>		TO <i>4.15</i>		DESCRIPTION OF WORK <i>Reaming</i>		FROM <i>4.15</i>		TO <i>4.45</i>		DESCRIPTION OF WORK <i>Ream 8 1/4</i>		FROM <i>4.45</i>		TO <i>5.30</i>		DESCRIPTION OF WORK <i>Reaming</i>		FROM <i>5.30</i>		TO <i>7.00</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>7.00</i>		TO <i>7.30</i>		DESCRIPTION OF WORK <i>CIAC</i>		FROM <i>7.30</i>		TO <i>8.10</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>8.10</i>		TO <i>8.30</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>	
		FROM <i>2.15</i>		TO <i>2.30</i>		DESCRIPTION OF WORK <i>Rig Service</i>		FROM <i>9.15</i>		TO <i>9.45</i>		DESCRIPTION OF WORK <i>Ream 8 1/4 Hole Size to 10"</i>		FROM <i>4.15</i>		TO <i>4.45</i>		DESCRIPTION OF WORK <i>Ream 8 1/4</i>		FROM <i>4.45</i>		TO <i>5.30</i>		DESCRIPTION OF WORK <i>Reaming</i>		FROM <i>5.30</i>		TO <i>7.00</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>7.00</i>		TO <i>7.30</i>		DESCRIPTION OF WORK <i>CIAC</i>		FROM <i>7.30</i>		TO <i>8.10</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>8.10</i>		TO <i>8.30</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>							
		FROM <i>2.30</i>		TO <i>2.45</i>		DESCRIPTION OF WORK <i>Survey</i>		FROM <i>9.45</i>		TO <i>10.00</i>		DESCRIPTION OF WORK <i>Rig 500</i>		FROM <i>4.45</i>		TO <i>5.30</i>		DESCRIPTION OF WORK <i>Reaming</i>		FROM <i>5.30</i>		TO <i>7.00</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>7.00</i>		TO <i>7.30</i>		DESCRIPTION OF WORK <i>CIAC</i>		FROM <i>7.30</i>		TO <i>8.10</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>8.10</i>		TO <i>8.30</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>8.30</i>		TO <i>9.00</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>							
		FROM <i>2.45</i>		TO <i>2.00</i>		DESCRIPTION OF WORK <i>Drill 8</i>		FROM <i>10.00</i>		TO <i>11.00</i>		DESCRIPTION OF WORK <i>Clean to Bottom</i>		FROM <i>5.30</i>		TO <i>6.00</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>6.00</i>		TO <i>6.30</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>6.30</i>		TO <i>7.00</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>7.00</i>		TO <i>7.30</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>7.30</i>		TO <i>8.10</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>8.10</i>		TO <i>8.30</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>							
		FROM <i>2.00</i>		TO <i>2.15</i>		DESCRIPTION OF WORK <i>Drill 8</i>		FROM <i>11.00</i>		TO <i>11.45</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>6.00</i>		TO <i>6.30</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>6.30</i>		TO <i>7.00</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>7.00</i>		TO <i>7.30</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>7.30</i>		TO <i>8.10</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>8.10</i>		TO <i>8.30</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>		FROM <i>8.30</i>		TO <i>9.00</i>		DESCRIPTION OF WORK <i>Run Trip 3 1/2</i>							
DRILLER <i>Ernest Green</i>		NO. HELPERS <i>3</i>		DRILLER <i>Ernest Green</i>		NO. HELPERS <i>4</i>		DRILLER <i>R. Thibault</i>		NO. HELPERS <i></i>																																													

DRILLER <i>D. [Signature]</i>	NO HELPERS <i>3</i>	DRILLER <i>[Signature]</i>	NO HELPERS	DRILLER <i>[Signature]</i>	NO HELPERS <i>?</i>
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Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE Feb 12-71

WELL NAME <i>Survey Simpson Pt. 0-24-A</i>										LDG. FLG. TO KB <i>10'</i>										CASING RECORD		DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR	
CONTRACTOR <i>Survey</i>										TYPE RIG <i>2 3000</i>										K. B. ELEV. <i>921</i>										
RIG NO. <i>35</i>										TOOL PUSHER <i>A Smyth</i>										GRD. ELEV. <i>911</i>										
12 P.M. TO 8 A.M.										8 A.M. TO 4 P.M.										4 P.M. TO 12 P.M.										
DEPTH		START <i>60</i>		PROGRESS <i>4</i>		END <i>64</i>		START <i>64</i>		PROGRESS <i>66</i>		END <i>130</i>		START <i>130</i>		PROGRESS <i>200</i>		END <i>320</i>												
BIT RECORD	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS.	RUN	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS.	RUN	NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	WRS.	RUN			
	<i>1A</i>	<i>4087</i>	<i>N7</i>	<i>5 3/4"</i>	<i>64</i>	<i>22</i>	<i>3 1/4</i>			<i>10</i>	<i>4087</i>	<i>N7</i>	<i>5 3/4"</i>	<i>66</i>	<i>130</i>	<i>53</i>	<i>5 3/4"</i>			<i>2A</i>	<i>4663</i>	<i>DT</i>	<i>15</i>	<i>95</i>	<i>130</i>	<i>185</i>	<i>5 3/4"</i>			
DRILLING DATA	LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT		LINER SIZE		PUMP PRESSURE		TABLE SPEED		WEIGHT ON BIT							
	<i>6</i>	<i>350</i>	<i>60</i>	<i>all</i>	<i>6</i>	<i>350</i>	<i>100</i>	<i>all</i>	<i>6</i>	<i>350</i>	<i>100</i>	<i>all</i>	<i>6</i>	<i>350</i>	<i>100</i>	<i>6-8 m</i>														
DRILLING STRING	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BDL.	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BDL.	SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BDL.												
MUD RECORD	TYPE OF MUD		WEIGHT		VIS		WL		PH		PC		TYPE OF MUD		WEIGHT		VIS		WL		PH		PC							
	<i>GW</i>	<i>8.5</i>	<i>66</i>					<i>GW</i>	<i>8.9</i>	<i>65</i>				<i>GW</i>	<i>9.0</i>	<i>69</i>														
CORING	NO.		FROM		TO		RECOVERED		FORMATION		NO.		FROM		TO		RECOVERED		FORMATION		NO.		FROM		TO		RECOVERED		FORMATION	
SURVEY	DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.		DES. AT		FT.			
DRILL STEM TESTS	NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION		NO.		INTERVAL		FORMATION													
REMARKS INCLUDING: CEMENTING LOGGING PERFORATING ACIDIZING FRACURING PLUGS	FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK		FROM		TO		DESCRIPTION OF WORK													
	<i>12⁰⁰</i>	<i>2⁰⁰</i>	<i>Repair in Swivel</i>	<i>2⁰⁰</i>	<i>3⁰⁰</i>	<i>DRILL 5 3/4"</i>	<i>8⁰⁰</i>	<i>10⁰⁰</i>	<i>DRILL 5 3/4"</i>	<i>10⁰⁰</i>	<i>10⁴⁵</i>	<i>Ric Jar & Survey</i>	<i>4⁰⁰</i>	<i>5⁰⁰</i>	<i>DRILL 15"</i>	<i>11⁰⁰</i>	<i>12⁰⁰</i>	<i>DRILL 15"</i>												

 DRILLER *D. Aron*

 NO. HELPERS *3*

 DRILLER *K. Anderson*

 NO. HELPERS *3*

 DRILLER *R. Klumke*

 NO. HELPERS *3*

[illegible]

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE Feb 14-21

[illegible]