

CANDEX ET AL.
DAHADINNI M-43

Drilling Authority No. 400
Date Issued: 18 December 1970

WELL NAME: Carlex et al Refractive N-43

FIELD

LOCATION: Unit 2 Area 43 Section 43 Grid 64-30-176-30
Latitude 63-52-59.3 Longitude 124-19-15.7
U.W.L.R. 63.0000 --- 124.6636
U.W.I. 3000.000000000000

Rig Release Date:
Status:
Information Release Date:

CHANGE OF NAME:

DATE RECEIVED	INDEX
18-12-70	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
18-1-71	Application to Abandon a Well or Grout Plug Spilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
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	Application to Commence Production Logging Measurement.
	Data for Back Pressure Test on Natural Gas Wells - Monograph 7 Method.
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	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.....



File No. 422
Drilling Authority No.

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 **Candex et al Dohadiuni 76-43**
Location: Unit **N** Section **43** Grid **64°00' - 124°30'**
Latitude **63°52'59.3"** Longitude **124°39'15.7"**
From Established Reference Marker
Universal **UTM** Station Reference **Lat. 63.88314°N Long. 124.65436°W**
Permit No. **354** Lease No.

Shell Canada Ltd. and Shell Explorer Ltd.
(Whitby, Ontario, Canada)

Date of commencement of proposed program **January 13, 1971**

OIL, GAS, AND WATER ENCOUNTERED (Depth)

Oil at **Nil**
Gas at **Nil**
Water at **Nil**
Total Depth **402'** Date of last operations **Fishing at 402' Jan. 12th**
Present condition of well **Drill string parted 65' from surface. Fish consists of 1 - 10' x 8" drill collars and 327' x 45" drill pipe. Fish fell over to one side of hole and unable to retrieve with fishing tools.**

CASING RECORD

Casing Size (O.D.) Inches	Weight	Amount	Set At	Source of Cement and Additives	Amount Pulled
1. 20' of conductor made from fuel bbls.					
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Plug Position	Geological Formation	Number of Barrels of Cement	Remarks
1	45' to surface	Glacial Drift	120	

The following logs have been run **Nil**
Other operations proposed **Partially fill hole and cavern with debris and run cement plug to surface.**

Operations to be carried out by **Beath & Sherwood** Contractor License No. **761**
Address **Kirkland Lake, Ontario**
Responsible Agent in field **Blain, Binnie & Associates**
Dated at **Calgary**, this **15th** Day of **January** 19 **71**
Signed by **[Signature]** Company **Candex Development Limited**
Title **Engineer** Operator's Exploratory License No. **1791**

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.H.J. Thom
on the 13th January 1971.

Dated **13th January**, 19 **71**

[Signature]
Oil Conservation Engineer

LAND 52-48 (3-7-69)

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

Drilling Authority No. 402

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

Name and number of well **CANDEX ET AL DAKADINNI M-43**

Location: Unit **M** Section **43** Grid **64° 00' - 124° 30'**

Latitude **63° 52' 59.3"** Longitude **124° 39' 15.7"**

Unique Well Identifier

Universal Well Location Reference

Elevation: Ground **813'** K.R. (Est.) **821'** feet above sea level.

Well is expected to produce from **Devonian Carbonates** formation at a depth

of about **7,000** feet. Expected total final depth **12,000'**

Area assigned to well

(See Oil Conservation Engineer's note only)

Permit No. **3251**

Lessor No.

Acres **28,166**

Permitter, licensee, or lessee

Shell Canada Ltd.

Exploratory Licence No. **108 and 115**

Surface owned by **Crown** or

(If allocated surface 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 lining them as indicated below:

Casing Size (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Ratio of Cement
1. 7"	17#	N-40	New	390	100
2. 5"	11.5#	J-55	New	3,900	400
3. 4"	9.5#	N-80	New	12,000	100
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment: **Devonian, Silurian and Ordovician Carbonates, Cambrian Sands to be controlled by SOP's, adequate drilling fluids and good engineering practices.**

Well will be drilled with Rotary Rig No. **11** by **Heath Sherwood Drilling (Western) Ltd.**
(Drilling Contractor or company)

Responsible agent of applicant:

Contractor's business Licence No. **761**

At well **Blain, Blainie & Associates**

At registered office **W.D. Cunningham**

Address **631 - 7th Avenue S.W.**

Address **500 Crown Trust Building, Calgary.**

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

Dated at **Calgary**, this **16** day of **December**, 1970

Signed by **W.D. Cunningham** Company **Canadan Development Limited**

Title **Engineer**

Operator's Licence No. **1791**

(For Oil and Mineral Division use only)

APPROVED

- This application has been examined and approved subject to the following conditions:
Copies of this Drilling Authority shall be submitted to the Drilling Unit in both Edmonton and the Drilling Supervisor's Office between April and May release dates.
- The Company will submit to this office, on receipt of each well, the latest Reports

Dated **16th December**

70

Planned well start date

Oil Conservation Engineer

Form 6-1a submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

received by rain 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 91 and 92 of the Nevada Oil and Gas Land Regulations.

B. H. Thomas

B. H. Thomas, Oil Conservation Engineer

M 43 64° 00', 124° 30'

Latitude 63° 52' 59.3" Longitude 124° 39' 15.7"

Northwest Territories



DETAIL

Scale 1:100,000 N.T.S.

	Lat. Point	Long. Point
1. LK - Line 102.4	63° 52' 59.3"	124° 39' 15.7"
2. MN - Line 102.4	63° 52' 59.3"	124° 39' 15.7"

I certify that this plan is correct to the best of my knowledge and was completed on the 16th day of December A.D. 1970.

[Signature]

Attest: Land Surveyor

[Signature]
N. 1000

NOTE

1. Point 102.4 } of NE 1/4 of 102.4
100 feet
2. Information derived from Shell Seismic Survey
3. Point 102.4 } of 102.4 - Line 102.4
100 feet

ELEVATION - 813 - Derived at 102.4 - Line 102.4

CANDEX DEVELOPMENT LTD.

[Signature]
[Signature]



Prepared by
MIDWEST SURVEYS CO. LTD.

C-651-70

CANDEX DEVELOPMENT LIMITED

DRILLING PROGRAM

Well: Candex et al Bahadinni N-43

Location: Lat. $63^{\circ} 52' 59.3''$ Long. $124^{\circ} 39' 15.7''$

Contractor: Heath & Sherwood Drilling (Western) Ltd. Rig #11

Elevations: Ground: 813 ft. Estimated M.B.: 822 ft.

Drilling Licence: To be issued.

Program: Drilling to Cambrian Clastics or to 12,000 ft. Log and test as per Calgary Geological Dept.'s instructions.

Hole Size: 8-3/4" Surface Conductor to 390+ ft.
6-1/4" Surface to 3900 ft. or 50 ft. into Hume Formation.
4-1/4" to T.D. (If intermediate string is run the hole size will be reduced to 3-1/4")

Casing: Conductor:
7" x 17# H-40 E&W to 390+ ft. Centralizers over shoe joint and on casing collar between joints 3 and 4. Guide shoe plus insert with threadlok or welding on 1st collar. Cement with 115 cu. ft. of lo-temp cement plus 2% CaCl_2 .

Surface:
5" x 11.5# J-55 ST&C to 3900 ft. Centralizers over shoe joint and on collars 3 and 5. Guide shoe plus insert with threadlok or welding over shoe joint. Cement to surface with 425 cu. ft. oilwell plus 2% CaCl_2 .

Production or Intermediate:
4" x N-80, FJ-40
Cementing details and final program to be issued from the Calgary office. Completion details to be determined after production casing is run. If hole is reduced a 3" Hydril or equivalent will be run.

Drilling Program:

1. Drill 8-3/4" conventional hole to 390+ ft. Maximum deviation 1° taken at 100 ft. intervals.
2. Run 7" conductor as per above. Set Series 1500 x 7" casing bowl at ground level.
3. W.O.C. for 18 hrs., slack off, head up.
4. Test blank rams to 1000 psi. Run in drill pipe and bit. Test BOP's to 1000 psi. Record on Tour Sheets. BOP's to be tested at beginning of each tour. After 24 hours W.O.C., drill out and drill 6-1/4" hole.

Drilling Program:

5. Drill 6-1/4" hole to 3900 ft. or 50 ft. into Home Formation. Run 5" casing as above. W.D.C. 24 hours and drill out. Core 4-1/4" hole to T.D.

Mud Program:

Conductor Hole: Water Gel
Surface to 3900 ft.: Invernal
3900 ft. to Cambrian: Polymers
Cambrian to T.D.: Invernal

Invernal conversion is to drill any shales and/or salt. If after 8500 ft. a lithology change is indicated by penetration rate, the core is to be pulled immediately. The mud is to be changed as soon as shales are indicated in the core.

Coring:

From the base of 5" casing to T.D. Cores to be boxed and properly labelled under Geologist's supervision.

Logging:

The Bear Rock Formation is to be tented on penetration. Porous Carbonate porosity and all hydrocarbon shows as per Geologist's and Calgary Office's instructions. Three formation fluid samples (top of column, middle and immediately above tool) to be caught on each tent. Gas recovery to be sampled in bomb for analysis.

Logging:

Schlumberger. (6 field and 9 final prints)
3900 ft. to Conductor shoe:

1. Dual Induction Laterolog - Log - Lin
 - a) 2" per 100' scale
T.D. to surface - Linear scale
 - b) 5" per 100' scale
T.D. to surface Logarithmic scale

2. Integrated Borehole Compensated Sonic with Gamma Ray Caliper.

2" per 100'
5" per 100'

3. Formation Density Log

2" per 100'
5" per 100'

T.D. to 3900 ft.

Induction E - 2" per 100' scale
Sonic Caliper - 2" per 100' scale
Gamma Ray-Neutron - 2" per 100' scale

Detail on logs as per Geologist's instructions.

Deviation Surveys:

After Conductor hole a minimum of 500 ft. not to exceed 5° without Calgary Office consultation.

Abandonment
Program:

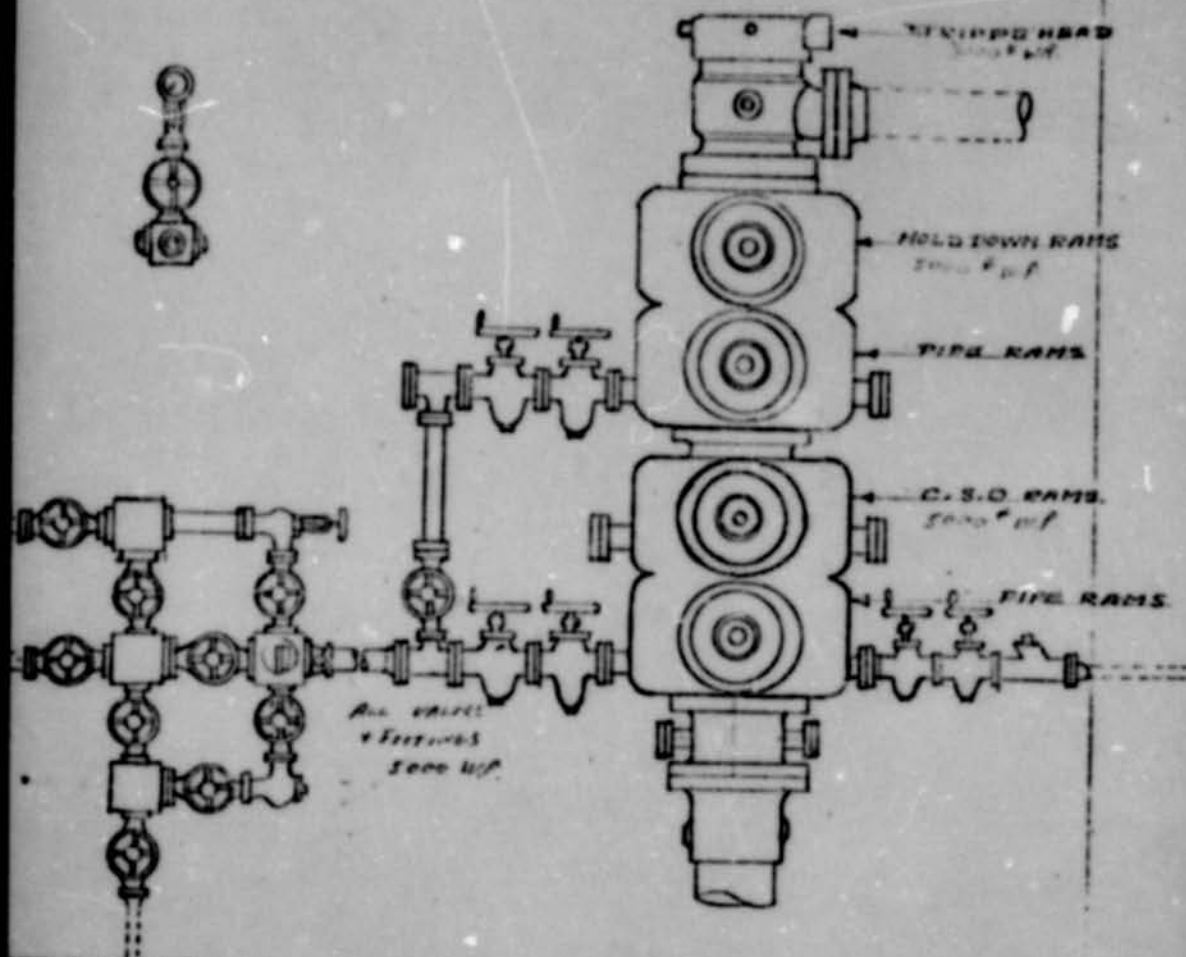
If a decision is made to plug, the program will be issued
by the Calgary office.

Prognosis:

	<u>Drilling Depth</u>	<u>Elevation</u>
Cretaceous Shales	0' (Surface)	+ 822
M. Devonian Imperial Formation	647	+ 175
M. Devonian Canol Formation	2,989	- 2167
M. Devonian Hare Indian Formation	3,421	- 2599
M. Devonian Hume Formation	3,766	- 2944
M. Devonian Headless Formation	4,304	- 3482
M. Lower Devonian Bear Rock Formation	4,559	- 3737
Sil/Ord Rousing Group	5,419	- 8178
Cambrian Saline River Formation	9,000	- 9278
Fault (estimated)	10,100	- 9278
T.D.	12,000	- 11178

WDC/yye

December 11, 1970



TITLE *Four Ram Hook Up w/Stripper*
Plate & 2" Choke Manifold

USED ON

Core Rigs

MATERIAL <i>5000 W.P.</i>	HEAT TREATMENT	DRAWN <i>P.S.</i>	DATE <i>Dec 13-70</i>	CK'D	APP.
UNLESS OTHERWISE SPECIFIED SURFACE FINISH 125 RMS. TOLERANCES FRACTIONS $\pm 1/64$ DECIMALS $\pm .005$ ANGLES $\pm 1/2^\circ$		SUPPERSEDES	SCALE	DES.	
SHAFFER WESTERN HEMISPHERE CANADIAN DIVISION EDMONTON, ALBERTA		DWG. SIZE	NUMBER		LATEST REV.

CANDEX M43

SEA NO. 11-11 LOCATION: DANADURG RIVER N/WT.

DATE JAN 13

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5-6778

499-500

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Name		Address		City		State		Zip		Phone		Fax	
1	Mr. J. B. Smith	123 Main St.	Box 100	Springfield	Ill.	62701	217/555-1234	217/555-5678	217/555-9012	217/555-3456	217/555-7890	217/555-2345	217/555-6789
2	Mr. J. B. Smith	123 Main St.	Box 100	Springfield	Ill.	62701	217/555-1234	217/555-5678	217/555-9012	217/555-3456	217/555-7890	217/555-2345	217/555-6789
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-EMPLOYEES IN PREPARATION TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT- IF ALREADY WAS RECEIVED SIGN AS DETENTION OF SHEET ONLY-			
TOUR ① MORNING - 8 A.M.			No.
Driver	G. STANWELL		8
Stoker	Joe Perkins		8
Helper	Perkins		8
Pass	Wangjankin		8
Pass			
SIGNED - COMPLETE BELOW			
TOUR ② P.M. - 4 P.M.			No.
Driver	W. H. Bennett		12
Stoker	Charles Wilson		12
Helper	P. Jones		12
Pass	James Wilson		12
Pass	Walter J. W. Jones		12
Pass			
SIGNED - COMPLETE BELOW			
TOUR ③ P.M. - MORNING			No.
Driver	G. STANWELL		4
Stoker	Edgar Brown		12
Helper			
Pass	James Wilson		4
Pass	Walter J. W. Jones		4
Pass			
SIGNED - COMPLETE BELOW			
Signature	Y	Signature	No.
Tollgatesmen Approved			
SAFETY TALK			
Given By			
Subject			

NEATH & SNEYWOOD DRILLING (WESTERN)

ONLY \$2.99 PER COPY

Keywords: child sexual abuse; disclosure; social support; coping strategies

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see next page

on upland section Danvers River Mt

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3000-11-10

CAMPEN M.H.S.

0000-0000-0000-0000

Author's address: Department of Psychology,
University of Illinois at Chicago, Chicago, IL
60607-7181, USA.
E-mail: jay@uic.edu

1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 26

2000

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REMARKS	TIME		
	Start	Stop	Notes
Fishing for 1000 00 pipe	12:00	12:30	1/2
Mixing mud	12:30	1:00	1/2
Fishing	1:00	1:30	1/2
Testing the fish fishing tools	1:00	1:30	1/2
Bailing out Hole and	1:30	2:00	1/2
get plug washed out.	2:00	2:30	1/2
Run 300 R	2:00	2:30	1/2
FINISH			1
Bail out Hole + Mix mud	2:00	2:30	1/2
Wait on plug 1230	2:30	3:00	1
Draw and tap Run 100	3:00	3:30	1/2
1 More and Plug. Did not			
4000			
Fishing	3:00	3:30	1/2
(Change on 12 HAS Shift			
with fishing)			
Fishing on 12 HAS			
Fishing			
FINISH			1
Fishing	4:00	4:30	1/2
Run 300 R	4:30	5:00	1/2
Fishing	5:00	5:30	1/2
FINISH			1

[illegible][illegible]

		RIGHTSIGHT COUNSELING		TRANSFER ID	
FIS	(FIS)				
B1	(B1)				
D-1	(D-1)				
D-2	(D-2)				
DAVIS PEEK SPUB		TOTAL CONTRACTOR 1	HRS	TOTAL CONTRACTOR 6	HRS
		Approved by Supervisor:		Approved by Supervisor:	
		Approved by Representative:		Approved by Representative:	
		Approved by Testimonial:		Approved by Testimonial:	

Telephone _____
 Address _____
 City _____ State _____ Zip _____
 Name _____
 Title _____
 Company _____
 Street _____
 Apt. # _____
 P.O. Box _____
 City _____ State _____ Zip _____
 Country _____
 No. 133 HSW

NO. 11-11 LOCATION: OCHOWITZ RIVER MOUTH

10

1

10

1

10

Tape 10

10

Jan 10 - 11 - 12 - 13 - 14

~~CANDIA M-43~~

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Page 10

2000年12月

WPA-2

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FIRE		EQUIPMENT CHARGES		TRANSFER	
1	200				
2	100				
3	50				
4	25				
5	12.5				
6	6.25				
7	3.125				
8	1.5625				
9	0.78125				
10	0.390625				
11	0.1953125				
12	0.09765625				
13	0.048828125				
14	0.0244140625				
15	0.01220703125				
16	0.006103515625				
17	0.0030517578125				
18	0.00152587890625				
19	0.000762939453125				
20	0.0003814697265625				
21	0.00019073486328125				
22	0.000095367431640625				
23	0.0000476837158203125				
24	0.00002384185791015625				
25	0.000011920928955078125				
26	0.0000059604644775390625				
27	0.00000298023223876953125				
28	0.000001490116119384765625				
29	0.0000007450580596923828125				
30	0.00000037252902984619140625				
31	0.000000186264514923095703125				
32	0.0000000931322574615478515625				
33	0.00000004656612873077392578125				
34	0.000000023283064365386962890625				
35	0.0000000116415321826934814453125				
36	0.00000000582076609134674072265625				
37	0.000000002910383045673370361328125				
38	0.0000000014551915228366851806640625				
39	0.00000000072759576141834259033203125				
40	0.000000000363797880709171295166015625				
41	0.0000000001818989403545856475830078125				
42	0.00000000009094947017729282379150390625				
43	0.000000000045474735088646411895751953125				
44	0.0000000000227373675443232059478759765625				
45	0.00000000001136868377216160297393798828125				
46	0.000000000005684341886080801486968994140625				
47	0.0000000000028421709430404007434844970703125				
48	0.00000000000142108547152020037174224853515625				
49	0.000000000000710542735760100185871124267578125				
50	0.0000000000003552713678800500929355621337890625				
51	0.00000000000017763568394002504646778106689453125				
52	0.000000000000088817841970012523233890533447265625				
53	0.0000000000000444089209850062616169452667236328125				
54	0.00000000000002220446049250313080847263336181640625				
55	0.000000000000011102230246251564404236316680908203125				
56	0.0000000000000055511151231257822021181583340541015625				
57	0.00000000000000277555756156289110105907916702705078125				
58	0.0000000000000013877787807814455505295395835135265625				
59	0.00000000000000069388939039072277526476979175676328125				
60	0.000000000000000346944695195361387632384895878381640625				
61	0.0000000000000001734723475976806938161924479391908203125				
62	0.00000000000000				

100%	100%
CONFIRM	CONFIRM
FILE	FILE
APPROVED BY	APPROVED BY
OPERATOR	OPERATOR
REPRESENTATIVE	REPRESENTATIVE
APPROVED BY	APPROVED BY
TELEPHONE	TELEPHONE

Tentative Approval									
SAFETY TAGS									
Given By:									
Initials:									
Nº							1329		HSW

DAILY DRILLING LOGS
QUESTIONS TO

NO. 11-11 LOCATION DANADONN; RIVER KUT

SAC _____ TWP _____ REG _____ W _____ DATE JAN 9

Source: *Author's calculations*.

CANDEX M-43

100

100

1000

DATE _____

[illegible]

REMARKS	STATE	TIME	NO.
Row is over out for fuel	12.00		
small hatch			
Wakes fishing	7.00	9.00	
Rig 5th			
CLERON (HRS) (GORE)			
Shaking up cement			
TIME			
fishing with over 500	9.00	10.00	
trying to stop engine	10.00		
make out 500 on return			
barrel + this road	3.45	5.00	
Rig 5th	3.00	4.00	
THORNS Hunting water			
shells			
over 1.2 working on			
+ cementing duck floor			
TIME			
Mrs + poor cement	4.00	5.00	
waiting on cement	5.00		
fix gas SHACK & VESSELS			
get up gas detector	8.00	9.00	3
getting fishing rods ready	9.00	10.00	2
To go down hole			
over 1000 Spill hole	10.00		
one more, get trap up			
pass to try + pump	12.00		2
back to tanks			
TIME			

EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT IF INJURY WAS RECEIVED AID AT BOTTOM OF NEXT SHIFT			
YOUR ① WORKSHEET P.S.S.			No.
Address	G. S. Swartz		8
General	C. Parker		6
Name			
Address	Longfellow		9
Name			
RECORD - COMPLETE BELOW			
YOUR ① P.S.S. - P.M.			No.
Address	W. L. Grant		4
General	W. L. Grant		4
Name	P. Thompson		6
Address	W. L. Grant		4
Name			
Address	W. L. Grant		4
Name	W. L. Grant		4
YOUR ① P.S.S. WORKSHEET			
Address	W. L. Grant		4
General	W. L. Grant		4
Name	W. L. Grant		4
Address	W. L. Grant		4
Name	W. L. Grant		4
RECORD - COMPLETE BELOW			
YOUR ① P.S.S. - P.M.			No.
Address	W. L. Grant		4
General	W. L. Grant		4
Name	W. L. Grant		4
Address	W. L. Grant		4
Name	W. L. Grant		4
RECORD - COMPLETE BELOW			
YOUR ① P.S.S. - P.M.			No.
Address	W. L. Grant		4
General	W. L. Grant		4
Name	W. L. Grant		4
Address	W. L. Grant		4
Name	W. L. Grant		4

[illegible]

FOURTH OF COUNTRIES			
D.D. P.O.	DATE FROM SPUL	RECEIVED CONTRACTOR'S TIME	RECEIVED CONTRACTOR'S TIME
		Approved by Contractor's Representative	
		Attested by Inspector	

SURETY BOND

GIVEN BY _____
FOR THE SUM OF _____
IN FAVOR OF _____

N^{O.} 1328 HSW

[illegible]

CEMENT 8 SACKS

[illegible]

DATE	TIME	DESCRIPTION
12 th	8 th	STAND BY WAIT FOR FIRE
		Tools
		BAILING OUT BASEMENT
		REPAIRING WEATHLY PUMP

	A. S. Thompson		
Cleaning out Base Mt.	7.00	9.00	
Sump			
Mining Mnd.	7.00	1.00	
Blasting in Cementation	8.00	2.50	
Rip & CR.	3.50	2.00	

~~over the border~~
KORAI PUMAS

DATE	DESCRIPTION	AMOUNT	BALANCE
	REPAIRING UP CEMENT IN BASEMENT. TO CUT OFF LOSS OFF MUD	11.00	6.00
	CEMENTING UP IN BARRELS IN BASEMENT.	6.00	2.00
	PREPARING TO RUN FISH	2.00	0.00
	FISHING FOR BROKEN FISH TRAP.		

888	<i>San Pedro</i>	
ROSEBUD ORANGE		ROSEBUD 2

DATE	TIME	REPORTING OFFICER	REPORTING OFFICER'S TITLE
7-26	1300	SA [redacted]	SA [redacted]
APPROVED BY		SPECIAL AGENT IN CHARGE	
[redacted]		[redacted]	

EMPLOYEE IS RESPONSIBLE TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHEET. IF INQUIRY WERE RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

	YOUR ①	MIDNIGHT	E.A.M.	NO.
John	G. Spence			8
David	C. Penon			9
John				
Paul	Susan Yarkin			9
John				
John				

[illegible]

	TOUR	①	S.T.S.	ABSENCE	No.
Name	<i>To Biking</i>				8
Name	<i>Queen Marion</i>				9
Name	<i>L.Richard</i>				8
Name					
Name					
Name					
Name					

Participa	Signature	Doc.

DATE 11-19-77

NO. 11-11 LOCATION DANDOWI RIVER

LEO _____ SEC _____ TWP _____ RGE _____ W _____ DATE JAN 7

21 Jan 7-71-11-11

CANDEX M 45

2000

NOTES

2005-06

1999

No. 1		No. 2		No. 3		No. 4		No. 5		No. 6		No. 7		No. 8		No. 9		No. 10		No. 11		No. 12		No. 13		No. 14		No. 15		No. 16		No. 17		No. 18		No. 19		No. 20		No. 21		No. 22		No. 23		No. 24		No. 25		No. 26		No. 27		No. 28		No. 29		No. 30		No. 31		No. 32		No. 33		No. 34		No. 35		No. 36		No. 37		No. 38		No. 39		No. 40		No. 41		No. 42		No. 43		No. 44		No. 45		No. 46		No. 47		No. 48		No. 49		No. 50		No. 51		No. 52		No. 53		No. 54		No. 55		No. 56		No. 57		No. 58		No. 59		No. 60		No. 61		No. 62		No. 63		No. 64		No. 65		No. 66		No. 67		No. 68		No. 69		No. 70		No. 71		No. 72		No. 73		No. 74		No. 75		No. 76		No. 77		No. 78		No. 79		No. 80		No. 81		No. 82		No. 83		No. 84		No. 85		No. 86		No. 87		No. 88		No. 89		No. 90		No. 91		No. 92		No. 93		No. 94		No. 95		No. 96		No. 97		No. 98		No. 99		No. 100	
No. 1		No. 2		No. 3		No. 4		No. 5		No. 6		No. 7		No. 8		No. 9		No. 10		No. 11		No. 12		No. 13		No. 14		No. 15		No. 16		No. 17		No. 18		No. 19		No. 20		No. 21		No. 22		No. 23		No. 24		No. 25		No. 26		No. 27		No. 28		No. 29		No. 30		No. 31		No. 32		No. 33		No. 34		No. 35		No. 36		No. 37		No. 38		No. 39		No. 40		No. 41		No. 42		No. 43		No. 44		No. 45		No. 46		No. 47		No. 48		No. 49		No. 50		No. 51		No. 52		No. 53		No. 54		No. 55		No. 56		No. 57		No. 58		No. 59		No. 60		No. 61		No. 62		No. 63		No. 64		No. 65		No. 66		No. 67		No. 68		No. 69		No. 70		No. 71		No. 72		No. 73		No. 74		No. 75		No. 76		No. 77		No. 78		No. 79		No. 80		No. 81		No. 82		No. 83		No. 84		No. 85		No. 86		No. 87		No. 88		No. 89		No. 90		No. 91		No. 92		No. 93		No. 94		No. 95		No. 96		No. 97		No. 98		No. 99		No. 100	
No. 1		No. 2		No. 3		No. 4		No. 5		No. 6		No. 7		No. 8		No. 9		No. 10		No. 11		No. 12		No. 13		No. 14		No. 15		No. 16		No. 17		No. 18		No. 19		No. 20		No. 21		No. 22		No. 23		No. 24		No. 25		No. 26		No. 27		No. 28		No. 29		No. 30		No. 31		No. 32		No. 33		No. 34		No. 35		No. 36		No. 37		No. 38		No. 39		No. 40		No. 41		No. 42		No. 43		No. 44		No. 45		No. 46		No. 47		No. 48		No. 49		No. 50		No. 51		No. 52		No. 53		No. 54		No. 55		No. 56		No. 57		No. 58		No. 59		No. 60		No. 61		No. 62		No. 63		No. 64		No. 65		No. 66		No. 67		No. 68		No. 69		No. 70		No. 71		No. 72		No. 73		No. 74		No. 75		No. 76		No. 77		No. 78		No. 79		No. 80		No. 81		No. 82		No. 83		No. 84		No. 85		No. 86		No. 87		No. 88		No. 89		No. 90		No. 91		No. 92																	

REMARKS		TIME		
DATE	TIME	START	STOP	CHARGE
STAND - BY	12:00	7:45	7:50	
CLEAN UP & STACK TOOL	7:50	8:00	8:10	
Box in Supply Room				
CLEAN SPILL OUT OFF TANK				
ABOVE SHARP SHAPER)				
START BY WAITING FOR FISHING TOOL & FISHING MAN	8:00	9:30	9:40	
TRIP IN TO FEEL FOR FISH WITH SPIN TAP. NO FISH	9:40	10:00	10:10	
REPAIR POWER TAP CHUCK				
NO PUMP				
TRIP IN WITH OVER SHOT TO FEEL FOR FISH WEST BY WAITING FOR TOOL & MAN	4:00	5:00	5:10	
MISSING TOOL	5:00	12:00	12:10	
WAITING OUT EQUIPMENT				
CONDUCTOR PIPE CEMENT				
TRIP IN WITH OVER SHOT TO FEEL FOR FISH WEST BY WAITING FOR TOOL & MAN				
MISSING TOOL				
WAITING OUT EQUIPMENT				
CONDUCTOR PIPE CEMENT				
TRIP IN WITH OVER SHOT TO FEEL FOR FISH WEST BY WAITING FOR TOOL & MAN				
MISSING TOOL				
WAITING OUT EQUIPMENT				
CONDUCTOR PIPE CEMENT				
TRIP IN WITH OVER SHOT TO FEEL FOR FISH WEST BY WAITING FOR TOOL & MAN				
MISSING TOOL				
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CONDUCTOR PIPE CEMENT				
TRIP IN WITH OVER SHOT TO FEEL FOR FISH WEST BY WAITING FOR TOOL & MAN				
MISSING TOOL				
WAITING OUT EQUIPMENT				
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TRIP IN WITH OVER SHOT TO FEEL FOR FISH WEST BY WAITING FOR TOOL & MAN				
MISSING TOOL				
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CONDUCTOR PIPE CEMENT				
TRIP IN WITH OVER SHOT TO FEEL FOR FISH WEST BY WAITING FOR TOOL & MAN				
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TRIP IN WITH OVER SHOT TO FEEL FOR FISH WEST BY WAITING FOR TOOL & MAN				
MISSING TOOL				
WAITING OUT EQUIPMENT				
CONDUCTOR PIPE CEMENT				

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~~CANDEX M43~~

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REMARKS	TIME	
	START	STOP
CHANGE SCREEN ⁵⁰⁰⁰ 10000 ^{TRUCK}	12	1
CHANG 3RD OUT AT 10000 Taps	1.00	3.15
Drilling	3.15	4.45
Add Rods	4.45	9.30
Drilling	9.30	6.00
Release Hydraulic Hose on Pump	6.00	6.45
Drilling	6.45	7.00
Rig 3rd	7.00	8.00
FIRED		
4. Shutter		
Clean Pump (Bore)	9.00	9.00
Drilling	9.00	10.15
Clean Pump, Make Screen for Cuts	10.15	12.00
14. New Tank		
Drilling	12.15	3.00
Rig 3rd	3.00	4.00
FIRED		
10.000 Taps		
Clean cut both pumps	4.00	5.00
Add Rods	5.00	6.15
Drilling	6.15	8.00
8.10 go through in hole	8.00	8.30
Tap out. Rod Break off	8.30	9.00
AT 15 FT		
Clean up 2nd Rod, 1st	9.00	12.00
Drill SHUTTER (Stand By)		
FIRED		
10.000 Taps		

[illegible][illegible]

EQ/FABRIK CHANGES		Transfer to	
7/8	000		
	000		
4.8	0415 ROOM 8P40	TOTAL CLOCKING TIME	TOTAL CLOCKING TIME
0.0		400	300
Approved by Operator / Representative		Approved by Inspector	
Approved by Inspector		Approved by Inspector	
No		HSW	

Tarifgebiets
 Apparat:

 Given By:
 Schenker:

 N° 1390 **HSW**

HEATH & SWERDLOW ONLINE (WESTERN)

DAILY DRILLING LOG
QUESTIONS TO
ASK

	Area	Percentage
1	Area 1	100%
2	Area 2	100%
3	Area 3	100%
4	Area 4	100%
5	Area 5	100%
6	Area 6	100%
7	Area 7	100%
8	Area 8	100%
9	Area 9	100%
10	Area 10	100%
11	Area 11	100%
12	Area 12	100%
13	Area 13	100%
14	Area 14	100%
15	Area 15	100%
16	Area 16	100%
17	Area 17	100%
18	Area 18	100%
19	Area 19	100%
20	Area 20	100%
21	Area 21	100%
22	Area 22	100%
23	Area 23	100%
24	Area 24	100%
25	Area 25	100%
26	Area 26	100%
27	Area 27	100%
28	Area 28	100%
29	Area 29	100%
30	Area 30	100%
31	Area 31	100%
32	Area 32	100%
33	Area 33	100%
34	Area 34	100%
35	Area 35	100%
36	Area 36	100%
37	Area 37	100%
38	Area 38	100%
39	Area 39	100%
40	Area 40	100%
41	Area 41	100%
42	Area 42	100%
43	Area 43	100%
44	Area 44	100%
45	Area 45	100%
46	Area 46	100%
47	Area 47	100%
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89	Area 89	100%
90	Area 90	100%
91	Area 91	100%
92	Area 92	100%
93	Area 93	100%
94	Area 94	100%
95	Area 95	100%
96	Area 96	100%
97	Area 97	100%
98	Area 98	100%
99	Area 99	100%
100	Area 100	100%

1000

— *John H. Hall*

De Haan, D. 1994. R. Soc. N. Y.

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~~JAN 6~~

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CANDEX N° 43

[illegible]

REMARKS	TIME	TIME	TIME
Dredging -	12:00	12:30	12:45
Add Rods -	12:30	12:45	12:55
Dredging -	1:30	1:45	1:55
Clear line out of water	1:45	1:55	2:05
Dredging -	2:15	2:30	2:45
Add Rods -	2:45	2:55	3:05
Dredging -	3:15	3:30	3:45
Rig 5th	3:45	4:00	4:15
FIRE	4:15	4:30	4:45
Dredging	4:45	5:00	5:15
Repair Dredge Head	5:15	5:30	5:45
Repair pump. Mix mud	5:45	6:00	6:15
Pump full of sand	6:15	6:30	6:45
(Go down and mix)	6:45	7:00	7:15
FIRE	7:15	7:30	7:45
Dredging	7:45	8:00	8:15
Adding mud (bottom)	8:15	8:30	8:45
Dredging	8:45	9:00	9:15
Adding mud + clearing pump	9:15	9:30	9:45
Full with sand	9:45	10:00	10:15
Dredging -	10:15	10:30	10:45
Rig 3rd	10:45	11:00	11:15
FIRE	11:15	11:30	11:45
Dredging	11:45	12:00	12:15

PARTIALS IN RED INK TO BE PAID PERMANENTLY AT THE COMPLETION OF EACH SHEET IF PLACED WAS RECEIVED HERE AT BOTTOM OF SHEET ONLY					
	TOLE	①	MIDNIGHT	P. A. M.	No.
Letter					
Backs					
Water					
Sheet					
Page					
RECORDS - COMPLETE BELOW					
	TOLE	②	P. A. M.	MIDNIGHT	No.
Letter					
Backs					
Water					
Sheet					
Page					
	TOLE	③	P. A. M.	MIDNIGHT	No.
Letter					
Backs					
Water					
Sheet					
Page					

[illegible]

	EQUIPMENT CHARGES	<i>See following</i>		TRANSFERS IN
70	196			
42	196			
8-25 8-26	SAYS REIN. BRUG.	TOTAL CONTRACT #42	TOTAL CONTRACT # #42	#42
DELIVERED		Approved by Operator's Representative		
		Approved by Tollbooth		

Testimonials
Approval

Safety Tools

Given By

Subject

Nº 1290 HSW

M-43

Drilling Authority No. 452
Date Issued: 18 December 1970

WELL NAME: Carbox et al Bahadindi M-43
FIELD: Area: 43
LOCATION: Unit: M Section: 43 Grid: 62-00-12h-30
Latitude: 63-52-59.3 Longitude: 124-10-15.7
U.W.L.R.: 63.888888 --- 124.666666
U.W.I.: 70000.000000000000

Rig Release Date: _____
Status: _____
Information Release Date: _____

CHANGE OF NAME:

DATE RECEIVED	INDEX
18-12-70	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
18-1-71	Application to Abandon a Well or Surface Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells - Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells - Vitter'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.



File No. 2/102
Drilling Authority No. 4/102

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 Candex et al Bohadiuni M-43
Location: Unit M Section 43 Grid 64°00' - 124°30'
Latitude 63°52'59.3" Longitude 124°39'15.7"
From Established Reference Marker
Universal UTM Location Reference Lat. 63.88314°N Long. 124.65438°W
Permit No. 381 Lease No.

Shell Canada Ltd. and Shell Explorer Ltd.
(Producers, Licensees, Lessees)

Date of commencement of proposed program January 13, 1971
OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at Nil
Gas at Nil
Water at Nil
Total Depth 402' Date of last operations Fishing at 402' Jan. 12th
Present condition of well Drill string parted 65' from surface. Fish consists of
2 - 10' x 6" drill collars and 327' x 45" drill pipe. Fish fell over to one
side of hole and unable to retrieve with fishing tools.

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At	Depth of Cement and Additional	Amount Pulled
1. 20' of conductor made from fuel bbls.					
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

No.	Flow Position	Geological Formation	Number of Sacks of Cement	Remarks
1	45' to surface	Glacial Drift	120	

The following logs have been run Nil
Other operations proposed Partially fill hole and cavern with debris and run cement plug to surface.

Operations to be carried out by Heath & Sherwood Contractor License No. 761
Address Kirkland Lake, Ontario Address
Responsible Agent in field Niain, Binnie & Associates
Dated at Calgary, this 15th Day of January, 1971
Signed by [Signature] Company Candex Development Limited
Title Engineer Operator's Exploratory License No. 1791

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

(For OIL AND MINERAL DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. B.H.J. Thom
on the 13th January 1971.

Dated 18th January, 1971

[Signature]
Oil Conservation Engineer

DDO 1040 (1-1-71)

Please be submitted in duplicate to Oil Conservation Engineer,
Department of I.A. & N.D., Ottawa and Northern Development, Calgary, Alberta.

Drilling Authority No. 402

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application for a Drilling Authority

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

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

Name and number of well **CANDEX ET AL. DARIADINNI M-43**
 Location: Unit **H** Section **43** Grid **64° 00' - 124° 30'**
 Latitude **63° 52' 59.3"** Longitude **124° 39' 15.7"**
 Unique Well Identifier
 Universal Well Location Reference
 Elevation: Ground **813'** K.R. (Est.) **821'** feet above sea level.
 Well is expected to produce from **Devonian Carbonates** formation at a depth
 of about **7,000** feet. Expected total final depth **12,000'**
 Area assigned to well

(See Oil Conservation Engineer's report)

Permit No. **3251** Lease No. **28,166**
 Permittee, lessor, or lessee **Shell Canada Ltd.** and **Shell Explor. Ltd.**
 Exploratory Licence No. **108 and 116**
 Surface owned by **Crown** or

(If allocated surface owner 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 lining them as indicated below:—

String No. (If drilled)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Ends of Casing
1. 7"	17#	H-40	New	390	100
2. 5"	11.5#	J-55	New	3,900	400
3. 4"	9.5#	N-80	New	12,000	100
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment **Devonian, Silurian and Ordovician Carbonates, Cambrian Sands** to be controlled by **SOP's, adequate drilling fluids and good engineering practice.**

Well will be drilled with Rotary Rig No. **11** by **Heath Sherwood Drilling (Western) Ltd.**
 (Drilling Contractor or company)

Responsible agent of applicant:—

Contractor's License No. **761**

At well **Blain, Binnie & Associates** At registered office **W.D. Cunningham**

Address **631 - 7th Avenue S.W.**

Address **500 Crown Trust Building, Calgary.**

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

Dated at **Calgary**, this **16** day of **December** **1970**

Signed by **W.D. Cunningham** Company **Candex Development Limited**

Title **Engineer** Operator's License No. **2772**

(For Oil and Mineral Division use only)

APPROVED

- This application has been examined and approved subject to the following conditions:
 1. Copies of this application, including plans, or location of the drilling rig in both the case of the drilling rig, shall be submitted to the Office of the Surveyor General and the Office of the Surveyor General and the Office of the Surveyor General.
- The Company will submit to this office, on request, all reports, logs, and other data.

Dated **17th December** **1970**

Oil Conservation Engineer

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

received by radio on the progress of the well.

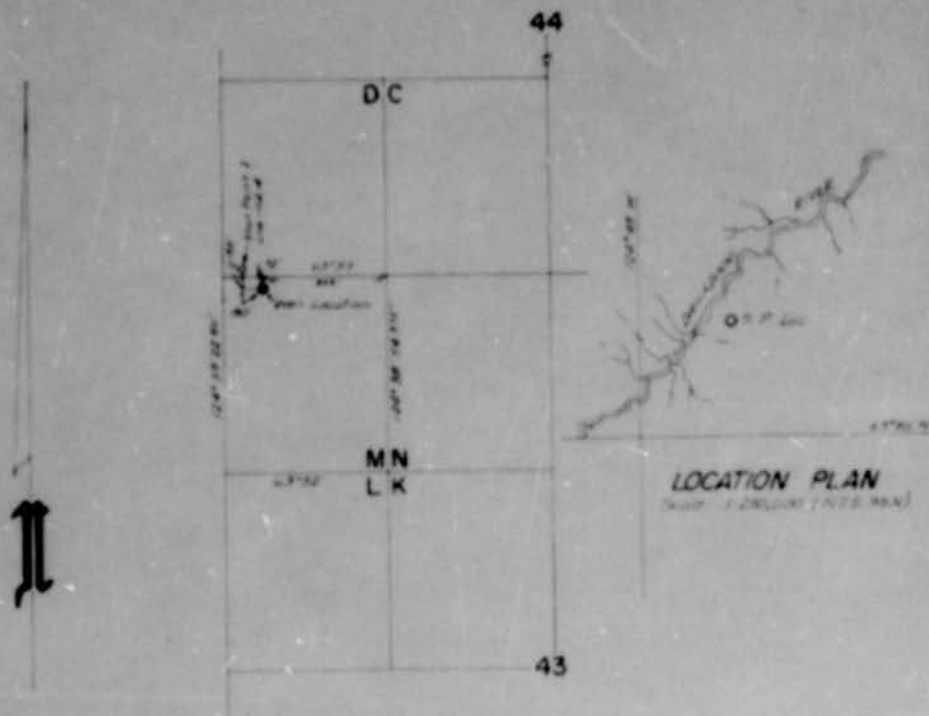
3. During well drilling and testing operations, every effort shall be made to ensure that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.
4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.

B.H. Shoms

B.H. Shoms, Oil Conservation Engineer

M 43 64° 00', 124° 30'

Latitude 63° 52' 59.3" Longitude 124° 39' 15.7"
Northwest Territories



DETAIL

Scale: 1:250,000 N.T.S.

	East Foot	West Foot
124° 30' 00" N	124° 39' 15.7" W	124° 39' 15.7" W
124° 45' 00" N	124° 39' 15.7" W	124° 39' 15.7" W

I certify that this plan is correct to the best of my knowledge and was computed on the 16th day of December A.D. 1970.

R. L. Gordon

Adams Land Surveyor

N.T.S.

NOTE

1. 124° 30' 00" N is the NE. Co. of 124° 30' N.
2. Information derived from 1961 Adams Survey.
3. 124° 39' 15.7" W is the West Foot of 124° 39' 15.7" W.

ELEVATION: 800' above sea level

CANDEX DEVELOPMENT LTD.

W. J. Cunningham
K. H. Lewis



Prepared by
MIDWEST SURVEYS CO. LTD.

C-651-70

CANDEX DEVELOPMENT LIMITED

DRILLING PROGRAM

Well: Candex et al Bahadinni N-43

Location: Lat. 63° 52' 59.3" Long. 124° 39' 15.7"

Contractor: Heath & Sherwood Drilling (Western) Ltd. Rig #11

Elevations: Ground: 813 ft. Estimated K.B.: 822 ft.

Drilling Licence: To be issued.

Program: Drilling to Cambrian Clastics or to 12,000 ft. Log and test as per Calgary Geological Dept.'s instructions.

Hole Size: 8-3/4" Surface Conductor to 390+ ft.
6-1/4" Surface to 3900 ft. or 50 ft. into Hume Formation.
4-1/4" to T.D. (If intermediate string is run the hole size will be reduced to 3-1/4")

Casing: Conductor:
7" x 17# N-40 EBG to 390+ ft. Centralizers over shoe joint and on casing collar between joints 3 and 4. Guide shoe plus insert with threadlok or welding on 1st collar. Cement with 115 cu. ft. of lo-temp cement plus 2% CaCl₂.

Surface:
5" x 11.5# J-55 ST&C to 3900 ft. Centralizers over shoe joint and on collars 3 and 5. Guide shoe plus insert with threadlok or welding over shoe joint. Cement to surface with 425 cu. ft. oilwell plus 2% CaCl₂.

Production or Intermediate:
4" x N-80, FJ-40
Cementing details and final program to be issued from the Calgary office. Completion details to be determined after production casing is run. If hole is reduced a 3" Hydril or equivalent will be run.

Drilling Program:

1. Drill 8-3/4" conventional hole to 390+ ft. Maximum deviation 1° taken at 100 ft. intervals.
2. Run 7" conductor as per above. Set Series 1500 x 7" casing bowl at ground level.
3. W.O.C. for 18 hrs., slack off, head up.
4. Test blank ram to 1000 psi. Run in drill pipe and bit. Test BOP's to 1000 psi. Record on Tour Sheets. BOP's to be tested at beginning of each tour. After 24 hours W.O.C., drill out and drill 6-1/4" hole.

**Drilling
Program:**

5. Drill 6-1/4" hole to 3900 ft. or 50 ft. into Hume Formation. Run 5" casing as above. W.O.C. 24 hours and drill out. Core 4-1/4" hole to T.D.

Mud Program:

Conductor Hole: Water Gel
Surface to 3900 ft.: Invermul
3900 ft. to Cambrian: Polymers
Cambrian to T.D.: Invermul

Invermul conversion is to drill any shales and/or salt. If after 8500 ft. a lithology change is indicated by penetration rate, the core is to be pulled immediately. The mud is to be changed as soon as shales are indicated in the core.

Coring:

From the base of 5" casing to T.D. Cores to be boxed and properly labelled under Geologist's supervision.

Testing:

The Bear Rock Formation is to be tested on penetration. Porous Carbonate porosity and all hydrocarbon shows as per Geologist's and Calgary Office's instructions. Three formation fluid samples (top of column, middle and immediately above tool) to be caught on each test. Gas recovery to be sampled in bomb for analysis.

Logging:

Schlumberger. (6 field and 9 final prints)
3900 ft. to Conductor shoe:

1. Dual Induction Laterolog - Log - Lin
 - a) 2" per 100' scale
T.D. to surface - Linear scale
 - b) 5" per 100' scale
T.D. to surface Logarithmic scale
2. Integrated Borehole Compensated Sonic with Gamma Ray Caliper.
2" per 100'
5" per 100'
3. Formation Density Log
2" per 100'
5" per 100'

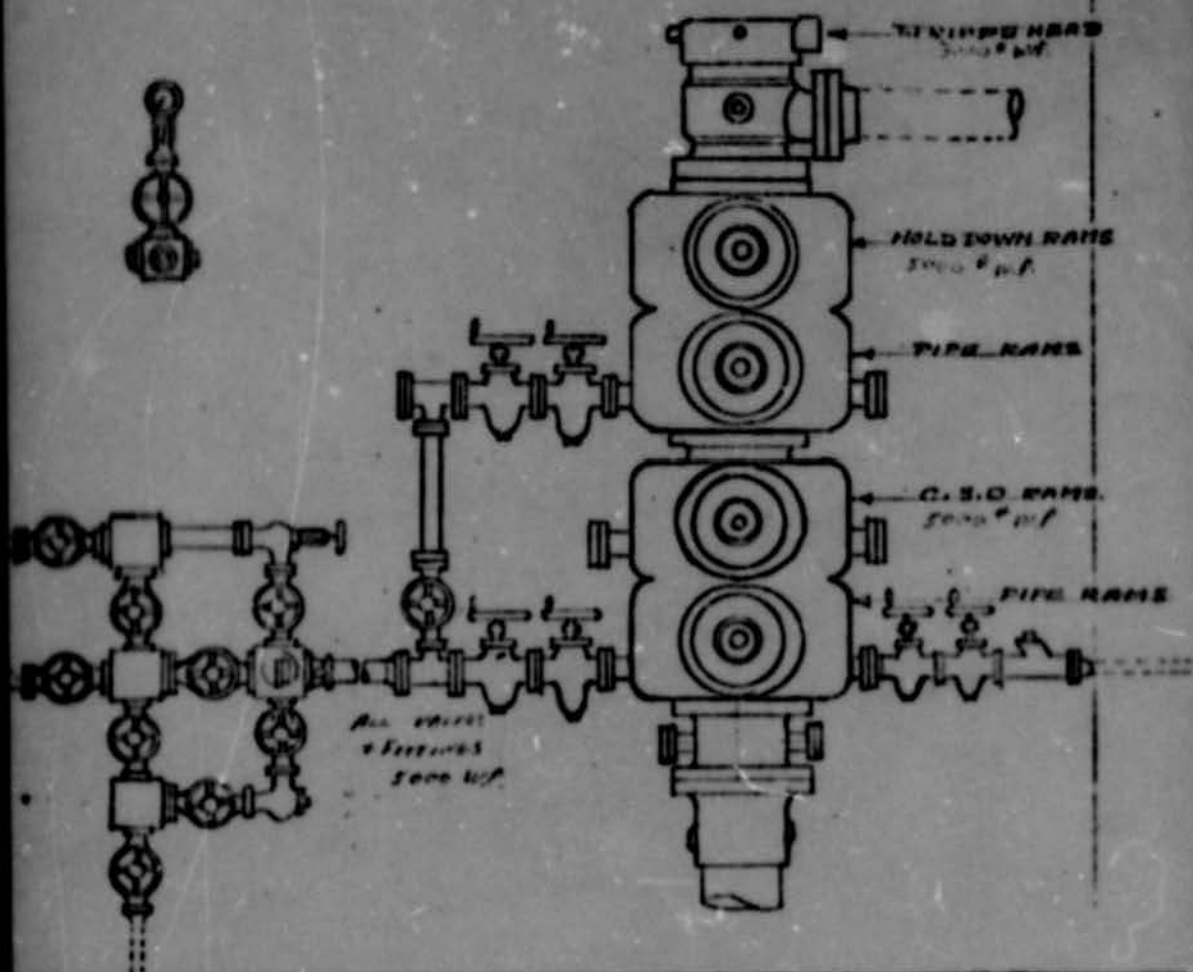
T.D. to 3900 ft.

Induction E - 2" per 100' scale
Sonic Caliper - 2" per 100' scale
Gamma Ray-Neutron - 2" per 100' scale

Detail on logs as per Geologist's instructions.

**Deviation
Surveys:**

After Conductor hole a minimum of 500 ft. not to exceed 5° without Calgary Office consultation.



TITLE Four Ram Hook Up w/Stripper
Plate & 2" Choke Manifold

USED ON

CORE Rigs

MATERIAL 5000 W.P.	HEAT TREATMENT	DRAWN PS	DATE Dec 13-70	CKD	APP.
UNLESS OTHERWISE SPECIFIED SURFACE FINISH 125 RMS. TOLERANCES FRACTIONS 1/64" DIMINALS 0.005" ANGLES 1/2"		SUPERSEDES	SCALE	DES.	
SHAFFER WESTERN HEMISPHERE CANADIAN DIVISION EDMONTON, ALBERTA		DWG. SIZE	NUMBER		LATEST REV.

143

LOCATION DANADINNI RIVER N.W.T.

姓名: _____ 学号: _____ 班级: _____ 座号: _____

DATE JAN 13 - 1971
ROAD
CONSTRUCTION

DATE JAN 11 - 76 (2) 41211

CANVAS 1742

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PREPARE TO CELEBRATE
PACK UP FISHING TOOL
PACKING UP TOOL BOX IN
STORAGE ROOM + MOVE OUT 12:00 8:00 8
TO PREPARE TO MOVE

PREPARE TO CEMENT HOLE 8.00 14.00 8
CEMENT TO DRILL
CEMENT OFF HOLE
121 SACK CEMENT
(OVERTIME ON HOLE)

11000
Black & Brown
CLEAN UP AFTER CEMENTING. 12:00
JAN - START TO TAKE
DOWN SET UP.
CLEANING MILL TANK
pump 30 BARREL MISSED
INTO DRILLER TANK FOR
STORAGE

EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT. IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.

TOUR ① MIDNIGHT - P.M.		No.
Driver	G. S. FRANKLIN	5
Second	LEAHON	6
Third	Reflex Bayon	7
Fourth	Loan Yorkin	8
Fifth		
Sixth		

[illegible]

TOUR 1 4 P.M. - MIDNIGHT		No.
Driver	G. STROUD	2
Starlin	L. PUGH	12
Water		
Fuel		
Fuel		
Fuel		

Position	Signature	No.

Inspector's Approval

SATYU TAIKS

Given By _____

Signed _____

NF 1333 HSW

DAILY DRILLING LOG
DIRECTION TO
WELL

CANDER MH3

1998-1999
1999-2000
2000-2001

Abstract

[illegible]

ROAD CONSTRUCTION

402
2-24-75

DATE: 2-24-75
TIME: 11:00 AM
BY: [Signature]
SUBJECT: [Signature]

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291. DATE

REMARKS		TIME	
START	STOP		
Fishing for 4 1/2 Rods		12.00	7.45
Rig 3ER		7.45	9.00
FISHING		8.00	11.00
Fishing Brake OFF Hole		12.00	4.00
Bailing mud out of Hole		4.00	9.00
Clean up Fishing Tools		7.45	9.00
Rig 3ER			
Hole ABANDONED AT 4.30			
FISHING			
Bailing out mud from		11.00	11.00
Hole			
CLEANING UP Fishing Tools		11.30	7.45
Rig 3ER		7.45	9.00
Hole abandoned		9.00	12.00
FISHING			
Equipment CHANGES			
DAYS FROM DRILL			
TOTAL			
APPROVED BY OPERATOR'S REPRESENTATIVE			
APPROVED BY TOOLPICKER			

EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT. IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHIFT ONLY.			
TOUR ① MIDNIGHT - 8 A.M.			HR.
Driver	G. STANBEEK		8
Starbuck	Joe Pickering		8
Water	Perren		8
Flour	Swangjanki		8
Flour			
Flour			
INJURY - COMPLETE BELOW			
TOUR ② 8 A.M. - 4 P.M.			HR.
Driver	Walt St. Amant		12
Starbuck	Charles Pelina		12
Water	P. Franz		12
Flour	Leaving Nelson		9
Flour	Martin Tautropo		10
Flour			
Flour	Oliver Lohel		10
INJURY - COMPLETE BELOW			
TOUR ③ 4 P.M. - MIDNIGHT			HR.
Driver	G. STANBEEK		4
Starbuck	Rippen Biscoe		12
Water			
Flour	Joan Garber		4
Flour	Janet Perren		4
Flour			
INJURY - COMPLETE BELOW			
Position	Signature	HR.	
Tallysheet Approved			
SAFETY TALK			
Given By:			
Subject:			

№
1332
HSW

CANDEX MHS

1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 26

1997年12月15日

2015.06.01
2015.06.02

2008年12月
2008年12月

[illegible]

	REMARKS	TIME		
		START	STOP	DURATION
FISHING FOR A CD PIPE		12 ⁰⁰	12 ³⁰	30
MIXING MOL		12 ³⁰	1 ⁰⁰	30
FISHING		1 ⁰⁰	4 ⁰⁰	300
TESTING & REPAIR FISHING TOOLS		4 ⁰⁰	6 ⁰⁰	200
BAILING OUT HOLE ANY		6 ⁰⁰	7 ⁰⁰	100
GET PLUG WASHED OUT.				
RIG SET R.		7 ⁰⁰	8 ⁰⁰	100
	A. Cummings			1
BAIL OUT HOLE + MIX ANY		7 ⁰⁰	12 ⁰⁰	500
WAIT ON AM9 PLUG TO SET.		12 ⁰⁰	1 ⁰⁰	100
DRAW ANY WAGON RUN IN.		1 ⁰⁰	3 ⁰⁰	200
1 MORE ANY PLUG DID NOT HOLD				
FISHING		3 ⁰⁰	7 ⁰⁰	400
(CHANGE ON 12 HRS SHIFT wife fishing)				
(MIX, AND WAIT WHILE FISHING)				
	B. Blalock			8
FISHING		4 ⁰⁰	8 ⁰⁰	400
RIG SET R.		7 ⁰⁰	8 ⁰⁰	100
FISHING		8 ⁰⁰	12 ⁰⁰	400
	A. Cummings			9

EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COME END OF EACH SHIFT. IF COUNTRY TOUR RELIEVED SIGN AT BOTTOM OF SHEET ONLY.			
TOUR ① MIDNIGHT - 8 A.M.			No.
Driver	G. Stenberg		8
Steering	Person		8
Motor	Ken R. Breyer		8
Power	Dwan Yachin		8
Place			
INQUIRIES - COMPLETE BELOW			
TOUR ② 8 A.M. - 4 P.M.			No.
Driver	Walt 10 Person?		12
Steering	Charles Delmore		12
Motor	R. Ranz		12
Power	Fanny Dwyer		11
Place	Martin L. Lutz		
Other	Three Labels		10
INQUIRIES - COMPLETE BELOW			
TOUR ③ 4 P.M. - MIDNIGHT			No.
Driver	G. Stenberg		4
Steering	Reynard R. Ranz		12
Motor	C. Person		4
Power	Ken R. Breyer		4
Place	J. Ranz		12
Other	Dwan Yachin		4

[illegible]

EQUIPMENT CHARGES		TRANSFERRED TO	
100			
100			
DATE PAID DUE	TOTAL CONTRACT	TOTAL CONTRACTOR'S	
	Cost	Fee	
Approved by	<i>[Signature]</i>		
Contractor's Representative			
Approved by	<i>[Signature]</i>		
Inspector			

Inspection
Approved _____
DATE 07/08

Given By _____
Subject _____

No 1331 HSW

~~CANDER MAN?~~

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1997年12月

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CANADA - M.N.I.															REMARKS															TIME			EMPLOYEE IS OBLIGED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT. IF INQUIRY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.																	
NO. 1															NO. 2															START			STOP			TOUR ① MIDDNIGHT - 6 A.M.														
NO. 3															NO. 4															START			STOP			TOUR ② 6 A.M. - MIDDNIGHT														
12:00 AM - 12:00 PM															12:00 PM - 12:00 AM															12:00			12:00			G. Sturges														
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NO. 41-11 LOCATION DANADINNI, RIVER M-7

TWP. _____ RGE. _____ W. _____ DATE Jan 9 _____
HILER _____ ROAD _____

6278 JOURNAL OF CLIMATE

CANDEN M43

[illegible]

Run in over shot first hole	8.00
Wash hole	12.00
Wells Fracking	7.45
Rig 36A	8.00

Green Shale (fossil)	
Breakup of Cement & Grout	
11885	
Testing with hammer	4.00 10.00
Payson to Star mine	10.00
all night out for a return	
Galena & Mix mud	3.40
Big Shale	3.40 11.00

TRACTORS Hauling earth
Hills.
CURRENTLY working on
+ cementing over the
11.11.11
MIX + pour CEMENT 40.00
WAITING ON CEMENT 5.00
FINISH SHACKS + VENDOR
SET UP GAS DETECTOR 8.00
GETTING FILLING TANKS RUNDY 10.00
TO GO DOWN A HILL
ONCE FILLING UP TANKS 10.00
ONCE MORE, GETTING UP
HILL + TO TAY + HILL
BACK TO TANKS 10.00
11.11.11

EMPLOYEE IS REQUIRED TO SIGN ABOVE ONLY AT THE COMPLETION OF EACH SHIFT IF INJURY WAS RECEIVED DURING EACH OF SHIFT ONLY.	
TOUR ① MORNING 7 A.M. - 3 P.M.	
Driver	E. E. Swann
Sealer	C. Peron
Helper	
Front	Ivan Jarkie
Rear	
Power	
INJURED COMPLETE BELOW	
TOUR ② P.M. - 7 P.M.	
Driver	W. L. Smith
Sealer	Charles Nelson
Helper	R. T. Tugue
Front	Harry Rich
Rear	
Power	John Label
Over	W. L. Smith
INJURED COMPLETE BELOW	
TOUR ③ 4 P.M. - MIDNIGHT	
Driver	Harry Rich
Sealer	Reuben Brown
Helper	Martin Longtree
Front	L. Packard
Rear	
Power	

Facilities		Signature

Temperature
Approved _____

Safety Tools _____

Given By _____

Signed _____

Nº 1325 HSW

PAYROLL

BEATH & SHIRWOOD DRILLING (WESTERN)

DAILY DRILLING LOG
SECTION ONE TO
END

CANDIX MR3

$$u_{\alpha} = 11 - 11$$

LOCATION DAMADINA, RIVER

200

100

1999

100

1

DATE JAN 9

1072

DATE JAN 9

11-11

[illegible]

ITEMS	HOURS		TIME	
	START	STOP	TIME	DATE
STAND BY WAIT FOR FISHING	12 ⁰⁰	8 ⁰⁰		
Tools				
BAILING OUT BASEMENT				
REPAIRING WHEATLY PUMP				
ITEMS	A. S. Thompson			
CLEANING OUT BASEMENT	8 ⁰⁰	9 ⁰⁰		
PUMP				
Mixing Mud.	9 ⁰⁰	1 ⁰⁰		
BRICKING IN CEMENT	1 ⁰⁰	2 ⁰⁰		
Rig 3ER.	3 ⁰⁰	4 ⁰⁰		
overhaul of pump				
REPAIR PUMPS				
ITEMS	B. L. 194			
BRICKING CEMENT IN	4 ⁰⁰	6 ⁰⁰		
BASEMENT TO CUTOFF LOSS				
OFF MUD				
CEMENTING IN BARRELS IN	6 ⁰⁰	8 ⁰⁰		
BASEMENT.				
PREPARING TO RUN FISH	9 ⁰⁰	12 ⁰⁰		
+ FISHING FOR BREAKOFF				
Tool joints.				

EMPLOYEE IS REQUIRED TO SIGN PERSONALLY AT THE COMPLETION OF EACH SHIFT; IF INJURY WAS RECEIVED SIGN AT BOTTOM OF SHEET ONLY.			
TOUR ① MIDNIGHT - 6 A.M.			No.
Driver	G. S. Nicks		8
Barber	C. Vernon		9
Water			
Floor	Juan Gardin		8
Floor			
INJURIES COMPLETE BELOW			
TOUR ② 6 A.M. - 6 P.M.			No.
Driver	Rick St. Gerant		8
Barber	Charles Wilkins		8
Water	R. Foyt		8
Floor	Ernest Nelson		11
Floor	Martin Gustafson		9
ONE	Dines Robert		10
INJURIES COMPLETE BELOW			
TOUR ③ 6 P.M. - MIDNIGHT			No.
Driver	L. R. Picking		8
Barber	P. van Buren		8
Water	T. Richard		8
Floor			
Floor			
Floor			
INJURIES COMPLETE BELOW			
Facilities	SF	Signature	No.
Took Shower Agreed _____			
SAVED TIME			
Given By _____			
Subject _____			

No. 1327 HSW

HEAD OFFICE PATROLL COPY

WEATH & SHERWOOD DRILLING WESTERN

DAILY DRILLING LOG
DIRECTION TO
WELL

REG NO 11-11 LOCATION DANADINDI RIVER NATH

SEC _____ TWP _____ RGE _____ W _____ DATE JAN 6 1971

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CANDEX M 43

DOI: 10.1002/for

Source: *Author's calculations*.

2074-2080

Address:

[illegible]

REMARKS	TIME	
	START	STOP
CHANGE SCREW ^{SHALL THREA} SCREW	12	1
CHURN SAND OUT OFF WHEEL TOP	1.00	3.15
DRILLING	3.15	4.40
ADD RODS.	4.40	5.30
DRILLING	5.30	6.00
REPAIR HYDRAULIC HOIST ON PUMP.	6.00	6.45
DRILLING	6.45	7.00
Rig 3rd.	7.00	8.00
FINISH		
4. SHUTTLE PUMP		
CHURN PUMP (SAND)	9.00	9.00
DRILLING	9.00	10.15
CHURN PUMP, MAKE CONNECTION FOR GATES	10.15	12.15
IN NEW TANK		
DRILLING	12.15	3.00
Rig 3rd	3.00	4.00
FINISH		
Black Mt. Mount		
CHECK OUT BOTH PUMPS	4.00	5.00
ADD RODS	5.00	6.15
DRILLING	6.15	8.00
BUT NO GO THROUGH IN HOLE.	8.00	8.30
TAP OUT. ROD BROKE OFF	8.30	9.10
AT 15 FT		
CLEAN UP SINKER ROD, REAR	9.10	12.00
DRILL SHELTER (STAND BY)		
FINISH		
3.00		

EMPLOYEE IS REQUIRED TO SIGN PERSONALITY AT THE COMPLETION OF EACH SHEET IF INDUSTRY HAS RECEIVED DATA AT BOTTOM OF SHEET ONLY					
YOUR ① WORKSHEET S.A.M.					No.
Driver	<i>G. Seawold</i>				<i>8</i>
Switch	<i>C. Pearson</i>				<i>10</i>
Rever					
Your	<i>Longfordie</i>				<i>8</i>
Fine					
Fine					
MAGNET COMPLETE BELOW					
YOUR ② S.A.M. F.M.					No.
Driver	<i>Rd 17 Ward?</i>				<i>8</i>
Switch	<i>Clair Hillman</i>				<i>8</i>
Rever	<i>P. Jones</i>				<i>8</i>
Your	<i>Larry Allen</i>				
Fine					
Fine	<i>Martin Jones Jr</i>				<i>10</i>
On	<i>Larry LaBlle</i>				<i>10</i>
MAGNET COMPLETE BELOW					
YOUR ③ S.A.M. WORKSHEET					No.
Driver	<i>Step Dickson</i>				<i>8</i>
Switch	<i>Dwight Burtin</i>				<i>10</i>
Rever	<i>Bethrickard</i>				<i>8</i>
Fine					
Fine					
MAGNET COMPLETE BELOW					
Signature	<i>[initials]</i>	Signature			No.

[illegible]

EQUIPMENT CHANGES		TRANSFER TO	
DATE	TIME		
BY	FOR		
REMARKS	TOTAL (CAPACITY) NET TOTAL (CAPACITY) 1 NET		
	Approved by Operator's Representative Approved by Testtechnician		

Transporter
 Name: _____
 Given By: _____
 Subject: _____
 No. 1390 HSW

HEATH & SHERWOOD DRILLING WESTERN

DAILY DRILLING LOG

DAILY DRUG USE
DECREASED FOR
SMALLER GROUPS

9864

DATE REC'D: 1/20/11

WFO NO. 17-11 LOCATION: DAKOTA R. L. L. N. M. T.

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