

SHOAL POINT NO. 1

DRILLING AND ABANDONMENT

REPORT

GOLDEN EAGLE REFINING COMPANY OF CANADA LIMITED

SHOAL PT. NO. 1

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48°40'

58°55'

58°50'

48°35'

55'

SHOAL POINT

SHOAL POINT N°1  
48° 38' 35" N  
58° 50' 36" W

SHOAL POINT N°2  
48° 37' 22" N  
58° 51' 00" W

EAST BAY

WEST BAY

SOUTH HEAD

PICCADILLY

BAY

PICCADILLY

COSTA

BAY

BOSWARLOS

GOLDEN EAGLE OIL AND GAS LIMITED

SHOAL POINT

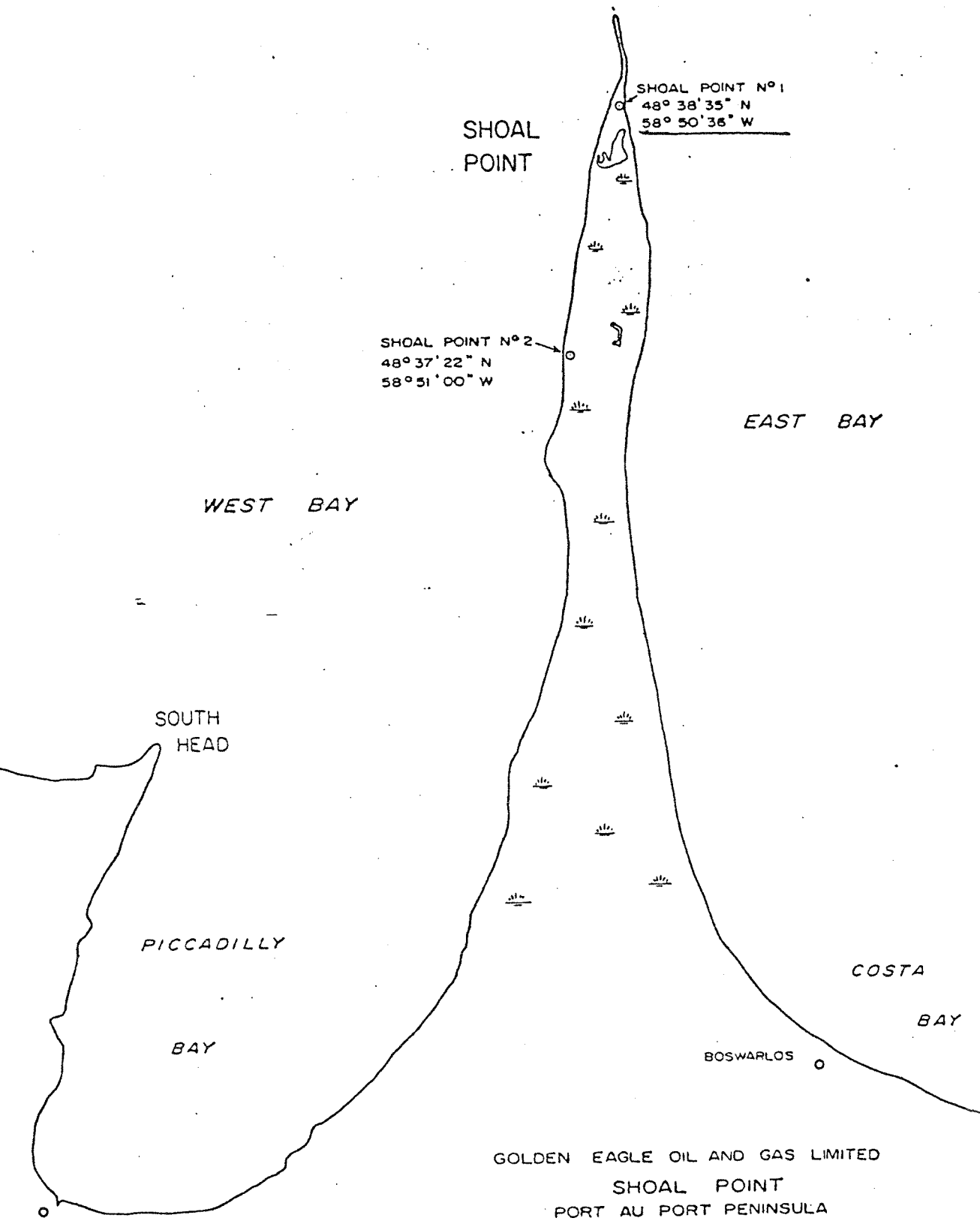
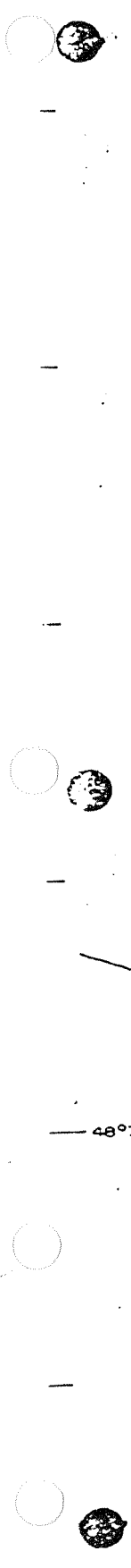
PORT AU PORT PENINSULA

LOCATION OF WELLS

SHOAL POINT N°1 AND N°2

SCALE 1:50,000

OCT, 1963



WELL SUMMARY

WELL NAME: Shoal Pt. No. 1

LOCATION: 48° 38' 35" N  
58° 50' 36" W

ELEVATIONS: Ground Level: 6.00'  
K.B.: 15.00'

DATE SPUDDED: July 29, 1965

CONTRACTOR: Big Indian Drilling Company Ltd.

CASING RECORD: Surface

Landed: 159.17'  
Date: August 6, 1965  
Make: Mannesman  
Size: 7"  
Range: 2  
Type: Seamless  
Weight: 17 lb.  
Grade: H-40  
Cement: 50 sacks. Plug down 11:30 p.m.

TESTING: No tests run.

CORING: Company: Big Indian Drilling Company Ltd.  
Date: August 13, 1965  
Core #1: Interval 1305 - 1310' - Recovered 100%

TOTAL DEPTH: 2637 feet.

RIG RELEASED: August 24, 1965

ABANDONMENT PLUG: Plug #1 August 24, 1965 - 40 sacks in top of  
surface casing.  
Cut off casing three feet below ground level.  
Welded on steel plate.

LOGGING: Company: Electronic Logging and Velocity Co. Ltd.  
Date: August 23, 1965 - Electric Log - Self  
Potential and Resistivity

STATUS: Dry and abandoned August 24, 1965.

# GOLDEN EAGLE OIL AND GAS LIMITED

## DAILY PROGRESS REPORT

SHOAL POINT NO. 1

DATE	DEPTH		Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY		REMARKS
	From	To				Depth	R.D.G.	
July 30	0	67	67	2	1A	60	½	Spudded 6:00 a.m. Drilled 9 inch surface hole slowly as surface casing not yet here. Samples shale with limestone stringers.
July 31	67	160	93	5	1A	100 160	½ ¾	Circulating while awaiting arrival of surface casing.
Aug. 1		160	0		1A			Circulating.
Aug. 2		160	0					Circulating.
Aug. 3	160	350	190	8½	1	220 250 280 310 340	1-¾ 1-¾ 1-¾ 1-¾ 1-¾	Circulating. Drilled 190 feet of 6½ inch hole in 8½ hours.
Aug. 4		350	0	0	1			Circulating. Waiting on surface pipe.
Aug. 5		350	0	0	1			Circulating. Waiting on surface pipe.
Aug. 6		350	0	0	1			Circulating. Waiting on surface pipe.
Aug. 7		350	0					Waiting on cement. Ran 5 joints (150.17 feet) 7 inch 17 lb. H-40 casing and set at 159.37 feet. Cemented with 52 sacks of construction cement. Plug down 11:59 p.m. August 6. Good cement returns.
Aug. 8		350						Waiting on cement. Cement setting slowly. Installed and tested blow-out preventers.

# GOLDEN EAGLE OIL AND GAS LIMITED

## DAILY PROGRESS REPORT

SHOAL POINT NO 1

DATE	DEPTH		Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY		REMARKS
	From	To				Depth	R.D.G.	
Aug. 9	350	550	200	12½	2 3	400 530	1½ 2-1/8	Drilled out at noon August 8.
Aug. 10	550	779	229	20½	4	590 655 719 750	2-1/8 3 3 2-7/8	Drilling 6½ inch hole. Mud Weight 9.3 Water Loss 13 F.C. 2/32 pH 11.5 Viscosity 47
Aug. 11	779	1032	253	18½	5			
Aug. 12	1032	1160	128	12-3/4	6	1100 1134 1160	5½ 5-3/4 3-3/4	Drilling 6½ inch hole Mud Weight 9.4 Viscosity 50 Water Loss 9.0 Running only 3000 lbs. on bit to straighten hole.
Aug. 13	1160	1295	125	18-3/4	7	1160 1190 1228 1260	6-3/4 6½ 6-3/4 7	Drilling 6½ inch hole Mud Weight 9.2 Viscosity 45 Water Loss 10
Aug. 14	1295	1412	117	18	8 D-1			Drilling 6½ inch hole Cut Core #1 1305 to 1310 feet. Recovered 100%.
Aug. 15	1412	1552	140	18-3/4	9	1420 1483 1515	8 7½ 7½	Drilling 6½ inch hole. Mud Weight 9.5 Viscosity 50 Water Loss 10
Aug. 16	1552	1721	169	18-3/4	10 11	1578 1610 1644 1671 1705	7½ 8 7½ 7-3/4 8-1/8	Drilling 6½ inch hole. Increased weight on bit to 8000 lbs. Mud Weight 9.5 Viscosity 45 Water Loss 11

# GOLDEN EAGLE OIL AND GAS LIMITED

## DAILY PROGRESS REPORT

SHOAL POINT NO. 1

DATE	DEPTH		Footage	Hours on Bottom	BIT NOS.	DEVIATION SURVEY		REMARKS
	From	To				Depth	R.D.G.	
Aug. 17	1721	1852	131	16½	12 13	1730 1830	8-1/8 8½	Drilling 6½ inch hole.
Aug. 18	1852	2015	163	17½	14	1896 1950 1990	8 8 8-3/4	Drilling 6½ inch hole. Mud Weight 9.5 Viscosity 50 Water Loss 10
Aug. 19	2015	2220	205	17½	15	2050 2118 2140 2181	8-3/4 10 9½ 9½	Drilling 6½ inch hole. Mud Weight 9.4 Viscosity 42 Water Loss 10
Aug. 20	2220	2353	133	17½	16	2244 2277 2310 2340	9½ 10 10 9½	Drilling 6½ inch hole. Mud Weight 9.5 Viscosity 45 Water Loss 9.0
Aug. 21	2353	2485	132	18-3/4	17	2374 2470	9-3/4 11	Drilling 6½ inch hole. Mud Weight 9.6 Viscosity 42 Water Loss 8
Aug. 22	2485	2578	93	18½	18	2500	11½	Drilling 6½ inch hole. Conditioned mud for logging but resumed drilling Mud Weight 9.8 Viscosity 58 Water Loss 7.5 F.C. 2/32 pH 11.0
Aug. 23	2578	2637	59	8½	19	2630	11½	Abandoning. Drilled 6½ inch hole to final T.D. of 2637. Ran Electric Log.
Aug. 24								Ran 40 sack plug in top of surface casing. Cut off casing 3 feet below ground level. Welded on steel plate. Well dry and abandoned.

SHOAL POINT NO. 1

Lat.  $48^{\circ} 38' 35''$  N  
Long.  $58^{\circ} 50' 36''$  W

REASONS FOR DRILLING

This well, located at the northern tip of Shoal Point, Port au Port Peninsula, Newfoundland is being drilled to obtain structural and stratigraphic information.

The conspicuous group of NE-SW trending faults dissecting the Peninsula in the Piccadilly area are believed to cross Shoal Point, but the Humber Arm outcrops are too distorted and discontinuous to offer any hope of detecting their presence. It seems likely that the old abandoned oil wells and oil seeps are associated with this fault zone.

On Shoal Point the shape of the underlying carbonate sequence of the Table Head and St. George groups are not known, although they are believed to be more competent than the overlying contorted clastics of the Humber Arm group.

The re-interpretation of the gravity and magnetic data carried out by Huntec Ltd. (1964) supports field mapping reasonably well, with axes of folding corresponding with axes of minimum magnetic values. One such trend strikes north-eastwards along a surface mapped anticlinal axis into West Bay, and then swings eastward to cross Shoal Point in the vicinity of the old wells.



This offers support to the idea that the carbonate sequence underlying the northern part of Shoal Point plunge northwards, and should be found at minimum depth close to the old wells.

The provisional programme is to drill two or three holes to attempt to establish the top of the Table Head group. This well is planned to be on the north end of Shoal Point where there is no peat problem, a second is to be spudded immediately north of the old wells. Depending on the results obtained, an intermediate test may be necessary. The location at which the Table Head is shallowest will be deepened to evaluate the St. George group.

SHOAL POINT NO. 1

SAMPLE DESCRIPTION

(Samples Lagged)

Well spudded into the Humber Arm group of the Ordovician System.

- 0' - 15' Sand
- 15' - 30' Shale - blue-grey, non-calcareous, very soft.
- 30' - 40' Shale - light to medium grey, blocky, non-calcareous, medium hard.  
Quartz Pebbles - white to amber, very well rounded, very hard, dense, (cavings?)
- 40' - 60' Shale - light to medium grey, waxy green in parts, non-calcareous, slightly micro-micaceous, blocky, medium hard.
- 60' - 80' Shale - light to medium grey, non-calcareous, very slightly micro-micaceous, fissile to sub-fissile, brittle, fragmental, medium hard, waxy lustre in parts.
- 80' - 90' Shale - light to medium grey, waxy lustre in parts, non-calcareous, very slightly micro-micaceous, fissile to sub-fissile, brittle, medium hard.  
Sandstone - (quartzose), very light grey to buff, non-calcareous, cemented with a slightly calcareous cement, blocky, very hard, inclusions of rounded black chert pebbles common, dense.
- 90' - 100' Shale - light to medium grey, waxy lustre in parts, non-calcareous, very slightly micro-micaceous, fissile to sub-fissile, brittle, medium hard.
- 100' - 110' Shale - medium grey, non-calcareous, slightly silty in parts, fissile, very brittle, medium soft.
- 110' - 130' Shale - light to medium grey, non-calcareous, silty in parts, blocky, medium hard.
- 130' - 150' Shale - light to medium grey, non-calcareous, micro-micaceous, fissile to sub-fissile, waxy lustre in parts, medium soft.

- 150' - 170' Shale - light grey to slightly waxy green, non-calcareous, clayey, blocky, angular, medium hard.
- 170' - 190' Shale - as above.  
Siltstone - light chocolate brown, some light grey, very fine grained, quartzose, micro-micaceous, blocky, hard, dense.
- 190' - 200' Shale - light grey, non-calcareous, micro-micaceous, blocky, angular, medium hard.  
Shale - bright brick red, blocky, non-calcareous, angular, brittle, very hard, makes up 90% of total sample.
- 200' - 210' Shale - bright brick red to maroon, non-calcareous, very argillaceous, blocky, angular, medium hard, clayey.
- 210' - 280' Shale - as above.  
Shale - waxy green, marly, non-calcareous, angular, blocky, hard.
- 280' - 300' Shale - bright brick red to maroon, non-calcareous, very argillaceous, angular, blocky, clayey, medium hard.  
Trace Shale - light to medium grey, micro-micaceous, non-calcareous, blocky, medium hard, some pale waxy green shale.
- 300' - 350' Shale - bright brick red to maroon, non-calcareous, argillaceous, angular, blocky, clayey, medium hard.  
Shale - pale waxy green, marly, non-calcareous, clayey, blocky, medium hard.
- 350' - 370' Shale - maroon, non-calcareous, argillaceous, angular, blocky, medium hard.  
Shale - medium grey, non-calcareous, micro-micaceous, blocky, hard, slightly silty in parts.  
Trace Shale - pale waxy green, marly but non-calcareous, brittle, clayey, blocky, medium hard.  
Trace Sandstone - (quartzose), cream to very light grey, very fine to fine grained, non-calcareous, very well cemented, hard, tight, obvious stringers.  
Occasional Chert and Quartz Pebbles
- 370' - 400' Shale - medium grey, often silty, argillaceous, non-calcareous, micro-micaceous, blocky, hard.  
Trace Shale - pale waxy green, chloritic, non-calcareous, brittle, clayey, blocky, medium hard.

- 400' - 440'  
Shale - medium grey, becoming very silty, siliceous in parts, non-calcareous, micro-micaceous, blocky, very hard, dense.  
Shale - maroon, non-calcareous, argillaceous, angular, blocky, medium hard.  
Trace Limestone - cream, fragmental to blocky, tight, stringers.  
Trace Shale - pale waxy green, chloritic, non-calcareous, clayey, blocky, brittle, medium hard.
- 440' - 480'  
Shale - medium grey, very silty in parts, siliceous in parts, non-calcareous, blocky, hard, dense.  
Shale - maroon, non-calcareous, argillaceous to clayey, angular, conchoidal fracture, hard.  
Trace Shale - pale waxy green, chloritic, hard, brittle.
- 480' - 490'  
Shale - medium grey, silty in parts, non-calcareous, blocky, hard, dense.  
Shale - maroon, non-calcareous, argillaceous to clayey, angular with conchoidal fracture, medium hard.  
Siltstone - buff to medium brown, very fine grained, micro-micaceous, non-calcareous, well cemented, blocky, medium hard, dense.
- 490' - 520'  
Shale - medium grey, slightly silty in parts, non-calcareous, blocky, slightly micro-micaceous, hard, dense.  
Shale - maroon, non-calcareous, argillaceous to clayey, angular with conchoidal fracture, hard.  
Trace Shale - pale waxy green, chloritic, brittle, hard.
- 520' - 530'  
Shales - as above.  
Sandstone - (quartzose), cream to very light brown, very fine grained, very well cemented, blocky, very hard, dense, a stringer.
- 530' - 570'  
Shale - medium grey, silty in part, micro-micaceous, non-calcareous, blocky, hard, dense.  
Shale - maroon, non-calcareous, argillaceous, angular with conchoidal fracture, medium hard.  
Shale - pale waxy green, chloritic, brittle, cherty, hard.  
(A slight tarry residue appeared in the sample 560' - 570').

- 570' - 580'      Shales - as above.  
Trace Limestone - cream to light grey, lithographic to micro-crystalline, blocky, argillaceous, medium hard, tight.
- 580' - 600'      Shale - medium grey, silty in parts, micaceous, non-calcareous, argillaceous, angular with conchoidal fracture, hard.  
Shale - pale waxy green, glossy appearance, chloritic, brittle, cherty, hard.
- 600' - 610'      Limestone - white to cream, crypto to micro-crystalline, blocky, hard, dense.  
Shale - medium grey, very slightly calcareous to non-calcareous, blocky, medium hard.
- 610' - 630'      Limestone - white to cream, crypto to micro-crystalline, blocky, hard, dense.  
Shale - medium grey, very slightly calcareous to non-calcareous, blocky, medium hard.  
Trace Shale - maroon, non-calcareous, conchoidal fracture, hard.  
Trace Shale - pale waxy green, glossy, chloritic, brittle, cherty, hard.
- 630' - 640'      Limestone - white to cream, crypto to micro-crystalline, blocky, hard, dense.  
Shale - maroon, non-calcareous, conchoidal fracture, medium hard.  
Shale - pale waxy green, glossy, chloritic, brittle, cherty, hard.
- 640' - 660'      Shale - maroon, non-calcareous, conchoidal fracture, medium hard.  
Shale - pale waxy green, glossy, non-calcareous, chloritic, brittle, cherty, hard.
- 660' - 670'      Shales - as above.  
Trace Limestone - very light grey to buff, micro-crystalline, blocky, very hard, dense.
- 670' - 700'      Limestone - very light grey to very light brown, micro-crystalline, blocky, hard, dense.  
Shale - pale waxy green, glossy in parts, brittle, cherty, hard, non-calcareous.  
Shale - maroon, non-calcareous, conchoidal fracture, hard.

- 700' - 720'      Shale - maroon, non-calcareous, conchoidal fracture, angular, hard.  
Shale - pale waxy green, non-calcareous, chloritic, medium hard.  
Trace Chert - black vitreous lustre, very hard, dense.
- 720' - 730'      Shales - as above.
- 730' - 740'      Limestone - cream to very light grey, crypto to micro-crystalline, blocky, hard, dense.  
Shale - maroon, non-calcareous, hard.  
Shale - waxy green, non-calcareous, chloritic, medium hard.
- 740' - 750'      Shale - bright brick red to very light brown, non-calcareous, brittle, very hard, cherty in parts.
- 750' - 780'      Shale - chocolate brown, non-calcareous, glossy, hard.  
Shale - pale green, non-calcareous, chloritic, medium hard.
- 780' - 790'      Shale - bright brick red to very light brown, non-calcareous, brittle, very hard, cherty.
- 790' - 820'      Shale - chocolate brown, non-calcareous, glossy lustre, hard.  
Shale - pale green, waxy lustre in parts, non-calcareous, blocky, medium hard.  
Trace Calcite - white, brittle.  
Trace Siltstone - very light green, quartzose, very fine grained, non-calcareous, very well cemented, hard, dense.
- 820' - 840'      Shale - chocolate brown, non-calcareous, glossy lustre in parts, hard.  
Shale - pale green, waxy lustre in parts, non-calcareous, blocky, medium hard.
- 840' - 860'      Limestone - cream to very light grey, crypto to micro-crystalline, blocky, hard, dense.  
Shales - as above.
- 860' - 880'      Shale - chocolate brown, non-calcareous, very slightly fissile, brittle.  
Shale - very light grey, non-calcareous, very slightly micro-micaceous, argillaceous, blocky.  
Trace Pyrite

- 880' - 900' Siltstone - cream to very light brown, very fine grained, quartzose, non-calcareous, very well cemented, tight.  
Shales - as above.
- 900' - 930' Shale - chocolate brown to maroon, non-calcareous, slightly fissile, brittle.  
Trace Limestone - cream to very light grey, micro-crystalline, blocky, hard, dense, stringers.
- 930' - 950' Shale - chocolate brown to maroon, non-calcareous, slightly fissile, brittle.  
Sandstone - quartzose, micro-crystalline to very fine grained, siliceous in parts, blocky, very well cemented with a non-calcareous cement, very hard, tight.
- 950' - 990' Shale - chocolate brown to maroon, non-calcareous, angular, brittle.  
Shale - very light green, chloritic, blocky, non-calcareous, medium hard, waxy in parts, slightly silty in parts.
- 990' - 1000' Shales - as above.  
Chert - olive green to cream, angular, very hard, dense.
- 1000' - 1030' Shale - chocolate brown to maroon, non-calcareous, angular, brittle.  
Trace Shale - very light green, chloritic, non-calcareous, medium hard, waxy in parts.  
Trace Siltstone - cream, micro-crystalline, quartzose, well cemented with a non-calcareous cement, hard, tight.
- 1030' - 1040' Shale - bright brick red, non-calcareous, angular, very hard, dense.  
Trace Chert - olive brown, angular, very hard, dense.
- 1040' - 1070' Shale - chocolate brown, very slightly micro-micaceous, non-calcareous, blocky, hard, slightly silty in parts.  
Trace Shale - very light green, non-calcareous, waxy in parts, medium hard.
- 1070' - 1090' Shales - as above.  
Siltstone - quartzose, very fine grained to micro-crystalline, very well cemented with a non-calcareous cement, blocky, very hard, dense.

- 1090' - 1120' Shale - chocolate brown to maroon, non-calcareous, slightly micro-micaceous in parts, blocky, brittle, but hard.  
Trace Shale - pale green to very light grey, non-calcareous, blocky, medium hard.  
Trace Limestone - brown, micro-crystalline, slightly argillaceous, hard, dense.
- 1120' - 1160' Shales - as above.  
Trace Siltstone - very light grey to very light green, quartzose, very fine grained, micro-micaceous, non-calcareous, very well cemented, hard, dense, stringers.
- 1160' - 1190' Shale - maroon, non-calcareous, slightly micro-micaceous in parts, blocky, brittle but hard.
- 1190' - 1200' Shale - as above.  
Trace Shale - very light green, non-calcareous, waxy in parts, medium hard.
- 1200' - 1270' Shale - maroon, non-calcareous, slightly micro-micaceous in parts, blocky, hard.  
Shale - light green, non-calcareous, blocky, medium hard.
- 1270' - 1305' Shale - maroon, non-calcareous, slightly micro-micaceous, glossy in parts, blocky, hard.  
Trace Shale - pale green, non-calcareous, chloritic, blocky, medium hard, glossy in parts.
- 1305' - 1310' CORED INTERVAL
- 1310' - 1330' Shale - maroon, non-calcareous, slightly micro-micaceous, glossy in parts, blocky, hard.  
Trace Limestone - very light grey to light grey, crypto to micro-crystalline, slightly argillaceous, blocky, hard, dense.  
Trace Shale - pale green, non-calcareous, glossy in parts, blocky, hard.
- 1330' - 1360' Shale - maroon, non-calcareous, slightly micro-micaceous, glossy in parts, blocky, hard.  
Shale - pale green, non-calcareous, chloritic, glossy in parts, blocky, medium hard.
- 1360' - 1370' Shale - maroon, non-calcareous, slightly micro-micaceous, glossy in parts, blocky, hard.  
Trace Shale - pale green, waxy, non-calcareous, glossy in parts, blocky, medium hard.



- 1370' - 1400'      Shale - maroon, non-calcareous, slightly micro-micaceous, glossy in parts, blocky, hard.  
Shale - dark grey, non-calcareous, carbonaceous, slightly argillaceous, blocky, hard.
- 1400' - 1450'      Shale - maroon, non-calcareous, slightly micro-micaceous, glossy in parts, blocky, hard.  
Shale - light grey to waxy pale green, non-calcareous, glossy in parts, blocky, medium hard.
- 1450' - 1480'      Shale - medium to dark grey, non-calcareous, fissile to sub-fissile, fragmental, argillaceous, clayey in parts, medium hard.  
Trace Shale - maroon, non-calcareous, slightly micro-micaceous, glossy in parts, blocky, hard.
- 1480' - 1510'      Shale - maroon, non-calcareous, slightly micro-micaceous, glossy in parts, blocky, hard.  
Shale - medium to dark grey, non-calcareous, fissile to sub-fissile, slightly argillaceous, medium hard, silty in parts.
- 1510' - 1580'      Shales - as above.  
Trace Shale - pale green, waxy, non-calcareous, glossy in parts, blocky, medium hard.
- 1580' - 1615'      Shale - maroon, non-calcareous, slightly micro-micaceous, glossy in parts, blocky, hard.  
Shale - medium to dark grey, non-calcareous, slightly micro-micaceous, silty in parts, argillaceous, medium hard.
- 1615' - 1640'      Limestone - light grey to cream, micro-crystalline, argillaceous, blocky, hard, dense, stringers.  
Shale - maroon, non-calcareous, blocky, hard.  
Shale - medium grey, fissile to sub-fissile, blocky to fragmental, argillaceous, medium hard.
- 1640' - 1700'      Shales - as above.
- 1700' - 1730'      Limestone - white to cream, micro-crystalline, clean, blocky, hard, dense, stringers.  
Shale - medium grey, fissile to sub-fissile, blocky, argillaceous, medium hard.
- 1730' - 1760'      Limestone - white to cream, micro-crystalline to very finely crystalline, argillaceous, blocky, dense, hard, stringers.

Shale - dark grey to black, very slightly carbonaceous, fissile, fragmental, medium hard.  
Trace Siltstone - very light grey, very fine grained, quartzose, well cemented with a slightly calcareous cement, hard, dense.  
Trace Pyrite

1760' - 1770'

Limestone - white to medium brown, lithographic to very finely crystalline, slightly argillaceous, blocky, hard, dense.  
Shale - dark grey, slightly carbonaceous, fissile, medium hard, slightly cherty, non-calcareous.

1770' - 1810'

Limestone - cream to very light brown, lithographic to micro-crystalline, very argillaceous, blocky, hard, dense.  
Shale - dark grey, non-calcareous, fissile, glossy lustre in parts, cherty, medium hard to hard.

1810' - 1830'

Shale - dark grey to black, slightly carbonaceous in parts, non-calcareous, glossy lustre in parts, cherty, medium hard.  
Trace Limestone - cream to very light brown, lithographic to micro-crystalline, very argillaceous, blocky to fragmental, hard, dense.

1830' - 1870'

Shale - light to medium grey, slightly silty in parts, non-calcareous, very argillaceous, blocky, medium hard, dense.  
Trace Shale - maroon, non-calcareous, blocky, hard.

1870' - 1880'

Shale - black, carbonaceous, non-calcareous, fragmental, fissile, brittle, medium hard.

1880' - 1900'

Limestone - light brown to light grey, crypto-crystalline, blocky, very hard, dense.  
Shale - light to medium grey, non-calcareous, very slightly micro-micaceous, fragmental, brittle.

1900' - 1920'

Shale - light to medium grey, non-calcareous, fissile, very slightly micro-micaceous, fragmental, brittle, slightly silty in parts, medium hard.

1920' - 1950'

Limestone - cream to very light grey, crypto to finely crystalline, argillaceous, blocky, medium hard, tight.  
Shale - light to medium grey, non-calcareous, fissile, slightly micro-micaceous, silty in parts, medium hard.

- 1950' - 1960' Shale - dark grey to black, carbonaceous, non-calcareous, fissile, hard.  
Trace Limestone - cream to very light grey, crypto to micro-crystalline, fragmental, argillaceous, hard, dense.
- 1960' - 1980' Shale - light to medium grey, micro-micaceous, silty in parts, non-calcareous, blocky, medium hard.  
Trace Sandstone - medium grey, fine to medium grained, blocky, medium hard, tight, very poorly sorted, stringers.
- 1980' - 1990' Limestone - light grey to light brown, some light brown, micro-crystalline, argillaceous, blocky, hard, dense.  
Shale - medium grey, non-calcareous, becoming arenaceous and silty, micro-micaceous, blocky, hard.  
Trace Sandstone - quartzose, medium grey, composed of quartz and black chert, medium grained, non-calcareous, siliceous in parts, blocky, very hard, dense, stringers.
- 1990' - 2010' Limestone and Shale - as above.
- 2010' - 2050' Shale - medium to dark grey, some black, non-calcareous, carbonaceous, often has a glossy lustre, medium soft, waxy in part, surface of cuttings highly contorted.  
Traces of Pyrite
- 2050' - 2070' Limestone - cream to very light brown to grey, very fine grained, blocky, brittle, medium hard, tight.  
Shale - medium to dark grey, non-calcareous, carbonaceous, waxy in parts, medium soft.
- 2070' - 2090' Shale - medium to dark grey, non-calcareous, carbonaceous, waxy in parts, medium soft, grading to a siltstone.  
Trace Sandstone - medium grey, very fine grained, quartzose, non-calcareous, blocky, very hard, dense, some salt and pepper variety, (stringers).  
Trace Limestone - as above, (stringers).
- 2090' - 2110' Shale and Limestone - as above.
- 2110' - 2160' Shale - light to medium grey, some black, non-calcareous, slightly micro-micaceous, blocky, medium hard.

Shale - pale waxy green, non-calcareous, blocky, medium soft, appears contorted.  
Trace Pyrite

2160' - 2190'

Shales - as above.  
Trace Limestone - very light grey to light brown to cream, lithographic to crypto-crystalline, blocky, hard, dense.

2190' - 2230'

Shale - medium to dark grey, some black, non-calcareous, slightly carbonaceous, micro-micaceous, fissile to sub-fissile, brittle, fragmental.  
Trace Shale - pale waxy green, non-calcareous, blocky, medium soft, contorted surface to cuttings.

2230' - 2290'

Shale - medium to dark grey, non-calcareous, fissile to sub-fissile, brittle, very slightly micro-micaceous.  
Trace Shale - pale waxy green, non-calcareous, blocky, soft, contorted surface to cuttings, some has splotchy appearance, irregularly bedded.  
Trace Pyrite

2290' - 2340'

Shale - pale green, waxy, non-calcareous, blocky, pyritic in parts, often mottled.  
Shale - medium to dark grey, non-calcareous, carbonaceous, fragmental, brittle.  
Trace Shale - maroon to medium brown, non-calcareous, blocky, medium hard, cavings?  
Trace Pyrite

2340' - 2370'

Shale - medium grey, non-calcareous, silty in parts, micro-micaceous, fissile to sub-fissile, brittle, medium soft.  
Shale - pale green, waxy, non-calcareous, blocky, often mottled with various colours, blocky, medium soft.  
Trace Limestone - brown to cream, lithographic to micro-crystalline, blocky, hard, dense.  
Trace Shale - maroon to medium brown, non-calcareous, blocky, medium hard, cavings?  
Trace Pyrite

2370' - 2380'

Limestone - cream to light grey, micro to crypto-crystalline, blocky, argillaceous, angular, hard, dense.  
Shale - medium to dark grey, non-calcareous, very slightly micaceous, fragmental, brittle, pyritic in parts.

2380' - 2410'

Shale - medium grey, non-calcareous, slightly silty in parts, micro-micaceous, fissile to sub-fissile, brittle, medium soft.

Trace Shale - pale green, waxy, non-calcareous, highly contorted surface to cuttings, mottled occasionally, medium soft.

Trace Shale - maroon to medium brown, non-calcareous, blocky, medium hard, cavings?

2410' - 2420'

Shale - medium grey, non-calcareous, slightly silty in parts, micro-micaceous, fissile to sub-fissile, argillaceous, brittle, medium soft.

Trace Shales - pale green and maroon.

2420' - 2475'

Shale - medium grey, non-calcareous, slightly silty in parts, micro-micaceous, fissile to sub-fissile, argillaceous, brittle, medium soft.

Trace Shale - pale green as above.

TOP OF TABLE HEAD GROUP 2475'

2475' - 2500'

Shale - pale green, waxy, contorted surface to cuttings, often mottled, non-calcareous, blocky, medium soft.

Shale - medium grey to dark grey, carbonaceous, non-calcareous, micro-micaceous, slightly silty, blocky, medium hard.

Trace Limestone - cream to light brown, crypto-crystalline, argillaceous, blocky, hard, dense, occasional Brachiopod shell fragments.

2500' - 2520'

Shale - medium to dark grey, non-calcareous, slightly carbonaceous, argillaceous, slightly fissile, medium hard to brittle.

Trace Pyrite

2520' - 2530'

Limestone - cream to light brownish-grey, crypto to micro-crystalline, argillaceous in parts, blocky, hard, dense.

Shale - light to medium grey, non-calcareous, carbonaceous, micro-micaceous, silty in parts, blocky, medium hard, one Graptolite stipe.

Trace Shale - maroon and green coloured, possible cavings?

2530' - 2560'

Shale - medium to dark grey, non-calcareous, slightly carbonaceous, argillaceous, fissile to sub-fissile, brittle.

- 2560' - 2570'      Shale - medium grey, non-calcareous, carbonaceous, slightly silty in parts, fissile to sub-fissile, fragmental, brittle, medium soft.  
Trace Limestone - very light grey to light brown, crypto-crystalline, angular, very hard, dense, shell fragments.  
Trace Shale - maroon and green coloured, possible cavings?  
Trace Pyrite
- 2570' - 2600'      Shale - dark grey to black, bituminous, brown streak, non-calcareous, fissile to sub-fissile, very carbonaceous in parts, micro-micaceous, sideritic and pyritic in parts, brittle, medium soft, one Graptolite stipe with thecae on one side.
- 2600' - 2610'      Shale - as above.  
Trace Limestone - cream to very light brown, micro-crystalline, blocky, hard, trace of tarry residual oil.
- 2610' - 2630'      Shale - dark grey to black, very carbonaceous, bituminous, brown streak, non-calcareous, fissile to sub-fissile, micro-micaceous, fragmental, brittle, medium soft.
- 2630' - 2637'      Shale - medium grey, non-calcareous, angular, blocky, medium hard.  
Trace Shale - maroon and green coloured, possible cavings?

FINAL TOTAL DEPTH 2637'

SHOAL POINT NO. 1

CORE DESCRIPTION..

Interval 1305' - 1310'

1305' - 1310'

Shale - maroon, non-calcareous, slightly metamorphosed, slickensiding common giving glossy surfaces along these faults, bedding planes dipping at 30 degrees, hard, brittle.

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SHOAL POINT NO. 1

RESULTS OF DRILLING

This well was drilled as a structure test hole to establish the depth to the base of the Humber Arm group. The well was spudded into the Humber Arm group and drilled to a total depth of 2637 feet, encountering the Table Head group at 2475 feet. No porosity or oil staining was found throughout the drilled interval and the well was abandoned.

The electric log indicates that no repetition of the section occurs as a result of faulting, but folding and steeply dipping incompetent beds are demonstrated by Core No. 1 (1305' - 1310'). Dips of 30 degrees were measured for bedding planes in this core.

The lithology of the Humber Arm group consisted predominantly of a succession of maroon and green shales. The Table Head group was composed of black carbonaceous shales from which two graptolites were obtained. The graptolites were identified by Dr. S. J. Nelson as Diplograptus decoratus Harris and Thomas (from sample 2520' - 2530') and Climacograptus parvus Hall (from sample 2570' - 2600'). These same two graptolites occur in the upper zone at the type section of the Table Head group at Table Point in the vicinity of Port Saunders, western Newfoundland. During the 1964 field season the graptolite, Climacograptus parvus Hall was collected by H. Corkin from the upper unit of the Table Head at a locality 1½ miles northeast of The Gravels.



The Humber Arm group is poorly fossiliferous and none were observed in ditch cuttings from this group.

# CANPET EXPLORATION LTD.

## CASING REPORT

Well Shoal Pt. #1 Date August 6, 1965  
 Type of Casing String: surface (intermediate) (production) (liner) (other)  
 Drilling Contractor Big Indian Drilling Co. Ltd.

### PIPE DATA

Make of Casing Mannesman  
 Type: seamless (welded) Size 7 inch No. of Joints 5 plus landing  
 Weight 17 Grade H-40 Range 2 Threads 8<sup>rd</sup>  
 Couplings: short (long) Minimum I.D. 6.538 Maximum O.D. 8 at collar

Casing Shoe: make Davis type float depth 159.17  
 Cementing Collar: make None type \_\_\_\_\_ depth \_\_\_\_\_  
 Centralizers: No. One Make and Type Davis  
 Depths 60 ft. from bottom (140 ft.)  
 Scratchers: No. 0 Make and Type \_\_\_\_\_  
 Depths \_\_\_\_\_  
 Welding: (electric) (acetylene) No. of Collars? \_\_\_\_\_ Thread lock compound \_\_\_\_\_ Casing Shoe? Yes

Total amount casing run.....	179.80	ft. Kelly Bushing elevation.....	15.20
Amount pipe above K.B.....	20.63	ft. K.B. to Rotary Table.....	1.00
Depth Casing Shoe landed.....	159.17	ft. R.T. to Derrick Floor.....	2.00
Top of casing below K.B.....	9.20	ft. D.F. to Ground Level.....	6.20
Amount of casing in hole.....	150.17	ft. Ground Level elevation.....	6.00
Length of Landing Joint.....	29.63	ft. G.L. to (casing bowl) to (casing collar).....	Even
Length of Cut off Joint.....	-	ft. Csg. Bowl Flange Elev.....	1.00
Length of Shoe Joint overall.....	30.92	ft. K.B. to top of casing.....	

### CEMENTING DATA

Time Hole Open Before Casing Started in Hole 1/2  
 Casing Started in Hole 4:00 P.M. Casing in 5:15 P.M. (elapsed) 1 1/2  
 Circulating: Started 7:30 P.M. Finished 9:30 P.M. (elapsed) 2  
 Mixing Cement: Started 9:30 P.M. Finished 11:00 P.M. (elapsed) 1 1/2  
 Displacing: Started 11:20 P.M. Plug Down 11:30 P.M. (elapsed) 10

Maximum Displacement Pressure 200 psi. Final Pressure Bumped with 800  
 Plug Displaced to 180 ft. Displacement Fluid: (mud) water (other) \_\_\_\_\_  
 Method of Displacement Rig pump  
 Method of Cementing Batch mix  
 Amount Cement Used 50 Sacks. Average Cement Slurry Weight 13.5 lbs./  
 Kind of Cement: Canadian (American) (bulk) (sack): Weight per sack 87.5  
 Estimated Amount Cement Returns 10 sacks. Time Cement to Set 36  
 Was Pipe Worked During Circulating? Yes Cementing? No How Long \_\_\_\_\_  
 Additives to Cement No additives  
 Cementing Company With rig crew Operator W. Nerrie  
 Casing Landed in Immediately hrs. Well Head Make Walter  
 Remarks Cement mixed in mud tank.

Signed W. Russell

# CANPET EXPLORATION LTD. TUBULAR TALLY REPORT

Well.....Shoal Pt. #1.....  
 Make Tubular Goods.....Mannesman.....Type.....Seamless  
 Size.....7 inch.....Weight.....17.....Lbs./ft. Threads.....8rd.....Grade.....H-40.....Range.....2.....  
 Couplings: Type.....ST. & G.....Minimum I.D.....6.538.....Maximum O.D.....8.....

Note: The following tally is listed in the same order as the tubular goods were run in the hole. That is joint number one will be the first joint in the hole and continuing in that order until the last joint run.

Jt. No.	feet	10s	Jt. No.	feet	10s	Jt. No.	feet	10s	Jt. No.	feet	10s	Jt. No.	feet	10s
1	30	92	1			1			1			1		
2	30	70	2			2			2			2		
3	29	84	3			3			3			3		
4	29	48	4			4			4			4		
5	29	23	5			5			5			5		
6			6			6			6			6		
7			7			7			7			7		
8			8			8			8			8		
9			9			9			9			9		
0			0			0			0			0		
a	150	17	d			g			j			m		
1			1			1			1			1		
2			2			2			2			2		
3			3			3			3			3		
4			4			4			4			4		
5			5			5			5			5		
6			6			6			6			6		
7			7			7			7			7		
8			8			8			8			8		
9			9			9			9			9		
0			0			0			0			0		
b			e			h			k			n		
1			1			1			1			1		
2			2			2			2			2		
3			3			3			3			3		
4			4			4			4			4		
5			5			5			5			5		
6			6			6			6			6		
7			7			7			7			7		
8			8			8			8			8		
9			9			9			9			9		
0			0			0			0			0		
c			f			i			l			o		

TOT.	
a	15
b	
c	
d	
e	
f	
g	
h	
i	
j	
k	
l	
m	
n	
o	
150	
FIN.	
TOT.	

Remarks.....First joint includes float shoe  
 (Landing joint 29.63)



# DRILLING RECORDS LTD.

2412 - 4th ST. S.W.

CALGARY

AM 96826

### TIME ANALYSIS

CONTRACT DAYS		DAYWORK	
ROTATING	11.07	TESTING	-
TRIPS	1.52	CORING	0.57
MECH. DOWN TIME	0.39	LOGGING	0.33
RUNNING CASING	0.38	LOST CIRCULATION	-
V.O.C.	1.54	COMPL. OR ABAND.	0.21
STUCK OR FISHING	-	MISC.	-
RIG SERVICE, ETC.	1.48	WO 7" CSG.	6.59
CONDITION HOLE MUD	0.06	WO WIND	0.02
Run Cond. Pipe	-		
& WOC	0.98		
Team & Clean	0.11		

WELL NAME **GOLDEN EAGLE SHOAL PT NO. 1**  
 CONTRACTOR **BIG INDIAN** RIG NO. **17** TOOL PUS  
 DATE SPUDDED **July 29/65** DATE RELEASED **Aug.**

EQUIPMENT  
 DWKS. MODEL **Card-Den 2000** H.P. **220** TYPE O  
 PUMP **FXD** 5 1/2 x 10 H.P. **\_\_\_\_\_** Treatm  
 PUMP **\_\_\_\_\_** X **\_\_\_\_\_** H.P. **\_\_\_\_\_**  
 DRILL PIPE SIZE **3 1/2** T.J. **\_\_\_\_\_**

### ADDITIONAL INFORMATION

Wait on 7" Casing (6.59 days)

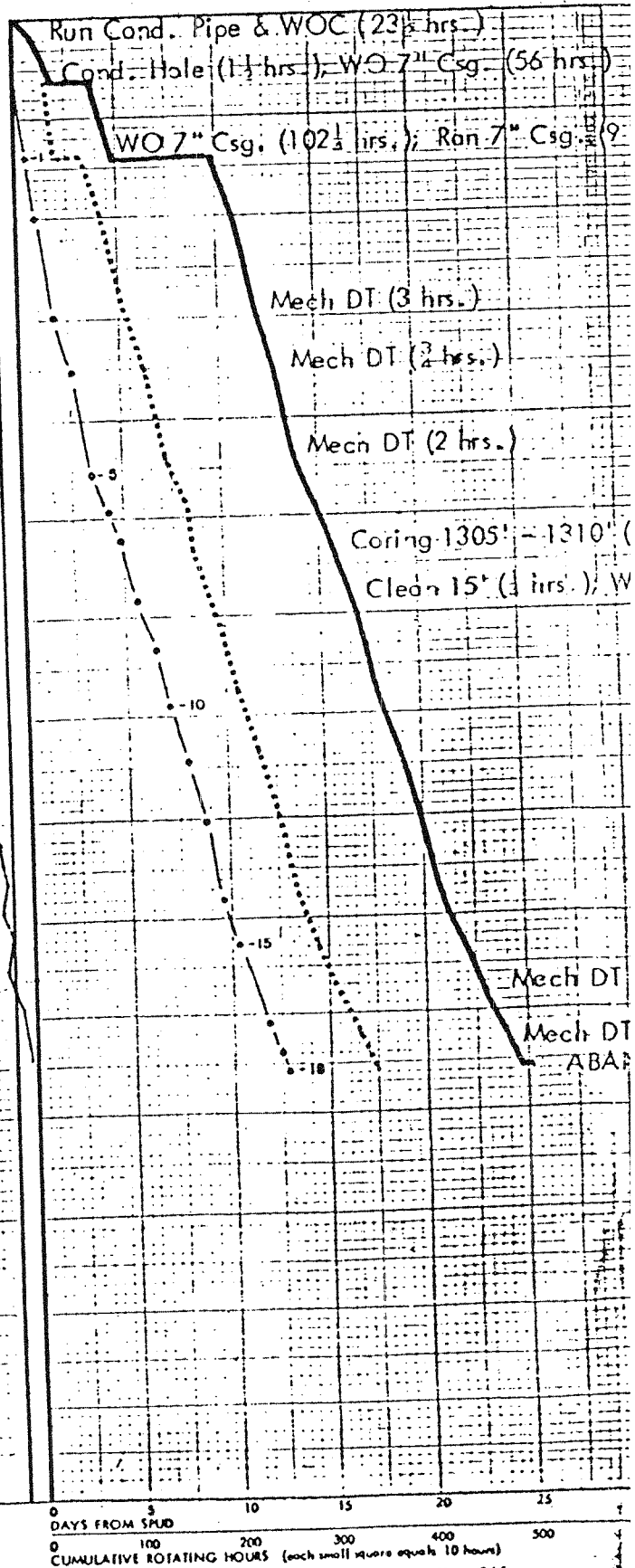
TOTAL 17.53 TOTAL DAYS ON WELL 25.25  
 TOTAL 7.72

TOTAL TIME \_\_\_\_\_ CONTRACT TIME \_\_\_\_\_

● DRILLING — REAMING — CORING .....

GEOL	FORMATION TOPS	CUM ROT HR	CUM BIT	CUM CONT DAY	DEPTH	BIT SIZES, ROT HRS. AND INTERVALS RUN	VERT. DEV.
					0	9"	123456789
					500	6 1/2"	
					1000		
					1500	4 1/2"	
					2000	4"	
					2500	18	
					3000	257	
					3500		

NOT AVAILABLE



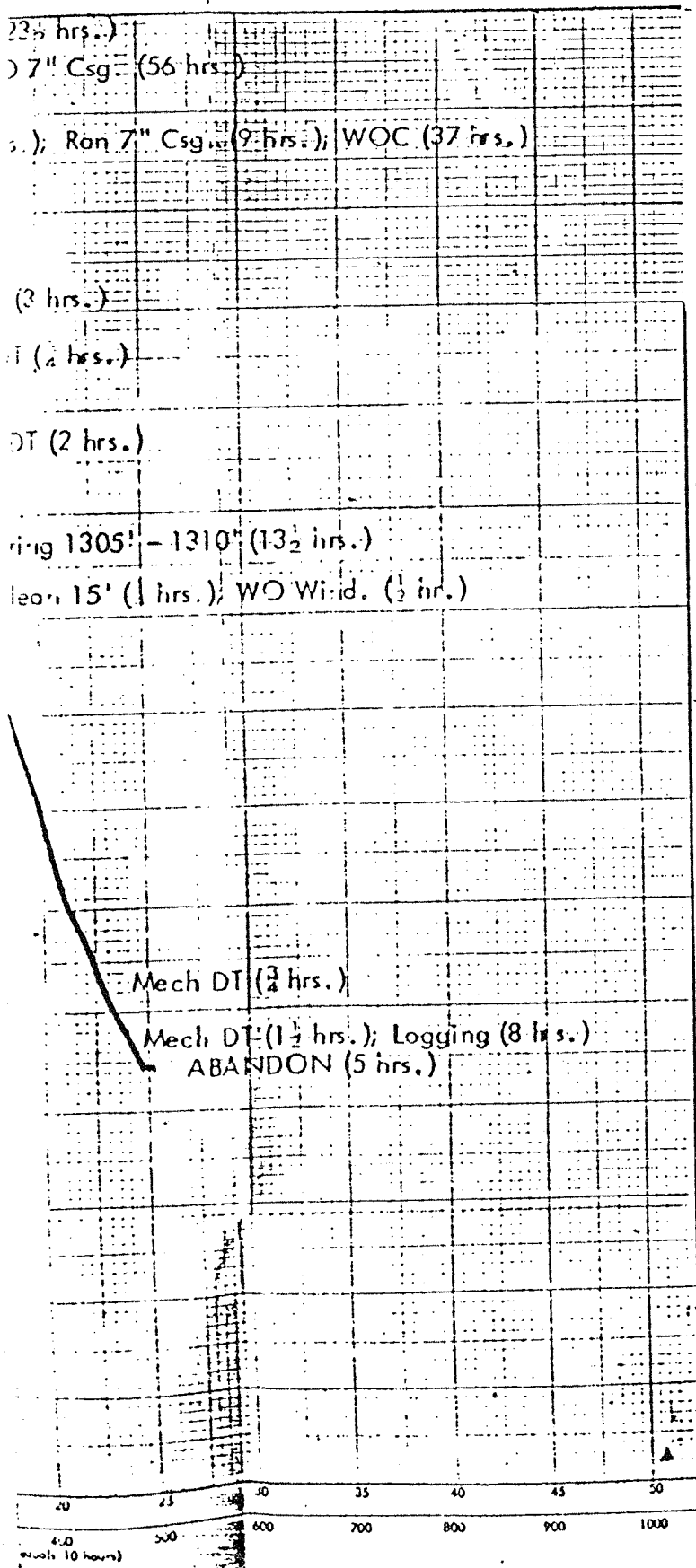
0 5 10 15 20 25  
 DAYS FROM SPUD  
 0 100 200 300 400 500  
 CUMULATIVE ROTATING HOURS (each small square equals 10 hours)

SHOAL PT NO. 1 NEWFOUNDLAND  
 RIG NO. 17 TOOL PUSH SHERRIE T.D. 2637' FT.  
 DATE RELEASED Aug. 23 '65 ROTATING HOURS 256 1/2 TD

MUD SERVICE COMPANY MAGCOBAR  
 H.P. 220 TYPE OF DRILLING FLUID  
 H.P. Treated Gel 0 FT. TO 2637 FT.  
 H.P. FT. TO FT.  
 T.J. FT. TO FT.  
 CONTRACT TIME ..... ROTATING TIME .....

DRING .....

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No.	Size	Type	Depth out	Foot-age	Hr
1A	9"	S3	160	160	9
1	6 1/4"	S4	350	190	7
2	"	S6	497	147	9
3	"	"	719	222	15
4	"	"	876	157	19
5	"	S4	1141	265	17
6	"	M4N	1228	87	16
7	"	S6	1305	77	10
	6 3/8"	CORE BIT	1310	(5)	(3)
8	6 1/2"	S3	1456	146	14
9	"	S4	1578	122	18
10	"	S3	1723	145	14
11	"	S4	1852	129	15
12	"	"	2005	152	16
13	"	S3	2200	195	16
14	"	"	2317	117	14
15	"	S4	2421	104	13
16	"	"	2518	97	16
17	"	S6	2585	67	13
18	"	"	2637	52	

4.0 5.0 6.0 7.0 8.0 9.0 10.0  
 equals 10 hours)



8-50-36W K.B., . . . T.D. 2637

REPRODUCTION

CATALOGUE NO.:

STATUS AT TIME LICENCE ISSUED: NFW

# ELECTRONIC

## Logging & Velocity

CALGARY, ALBERTA

Co. Ltd.

### STRUCTURE TEST HOLE SURVEY

Location	COMPANY <u>GOLDEN EAGLE OIL &amp; GAS LTD.</u>
48° 38' 35" N	WELL <u>SHOAL PT. NO 1</u> FILE _____
58° 50' 36" W	FIELD <u>WILDCAT</u>
	PROVINCE <u>NFLD.</u> LSD _____
	Sec. _____ Twp. _____ Rge. _____ W _____

Log Measured From KB Elevation 15

Run No. 1  
 Date AUG. 23 1965  
 Footage Logged \_\_\_\_\_  
 Total Depth, Logged 2632'  
 Total Depth, Driller 2637'  
 Csg Shoe, Logged \_\_\_\_\_  
 Csg Shoe, Driller 158.4  
 Csg Size 7"  
 Bit Size 6 1/4"

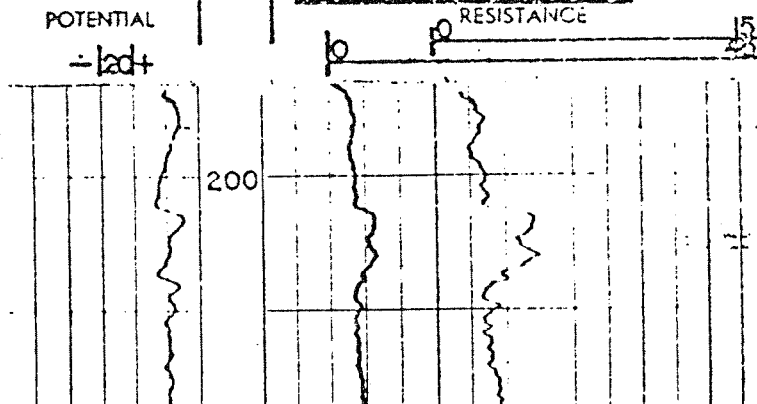
Mud Kind HIGH PH. GEL WATER  
Treatment \_\_\_\_\_

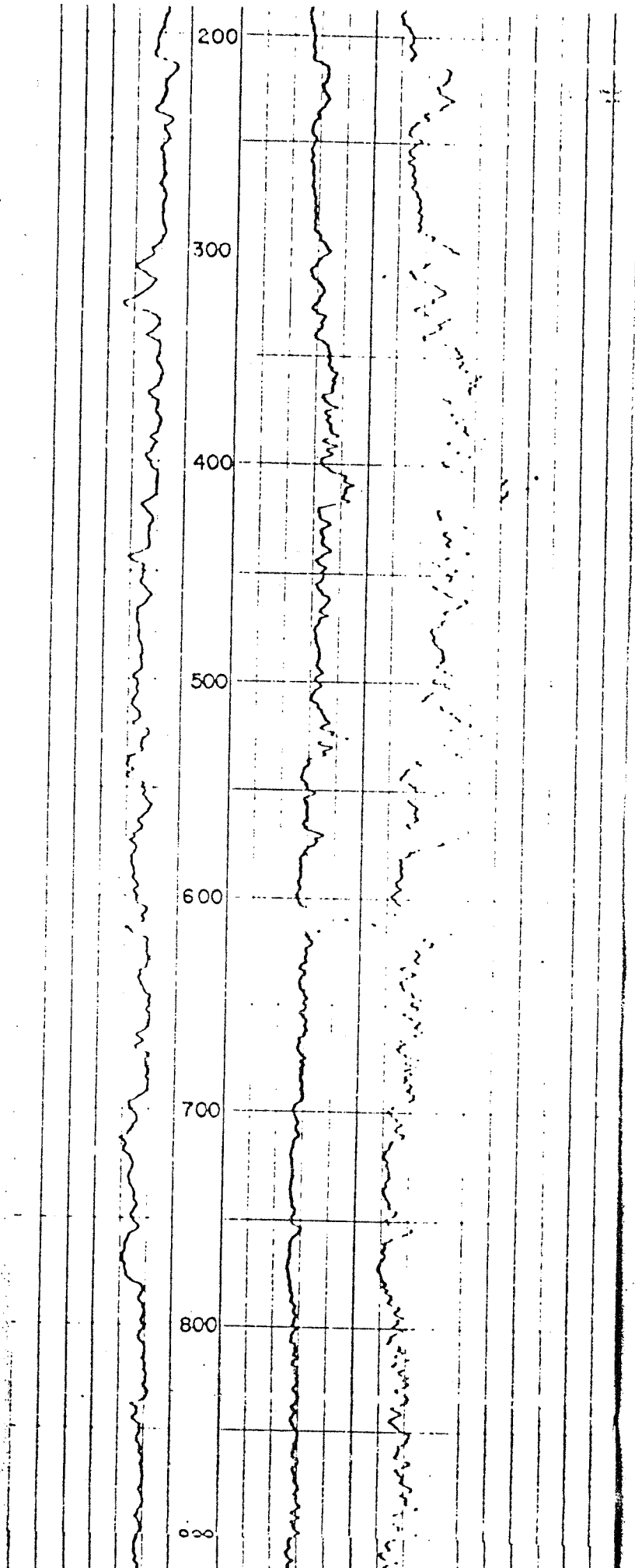
Weight 9.5  
 Viscosity 60  
 Ph. 10  
 Resist. Ohms m2m 6000 @ \_\_\_\_\_ °F @ \_\_\_\_\_ °F  
 Loss ml/30 min 8 cc

Max Temp \_\_\_\_\_  
 Recorded By E. MIER  
 Witnessed By H. CORKIN

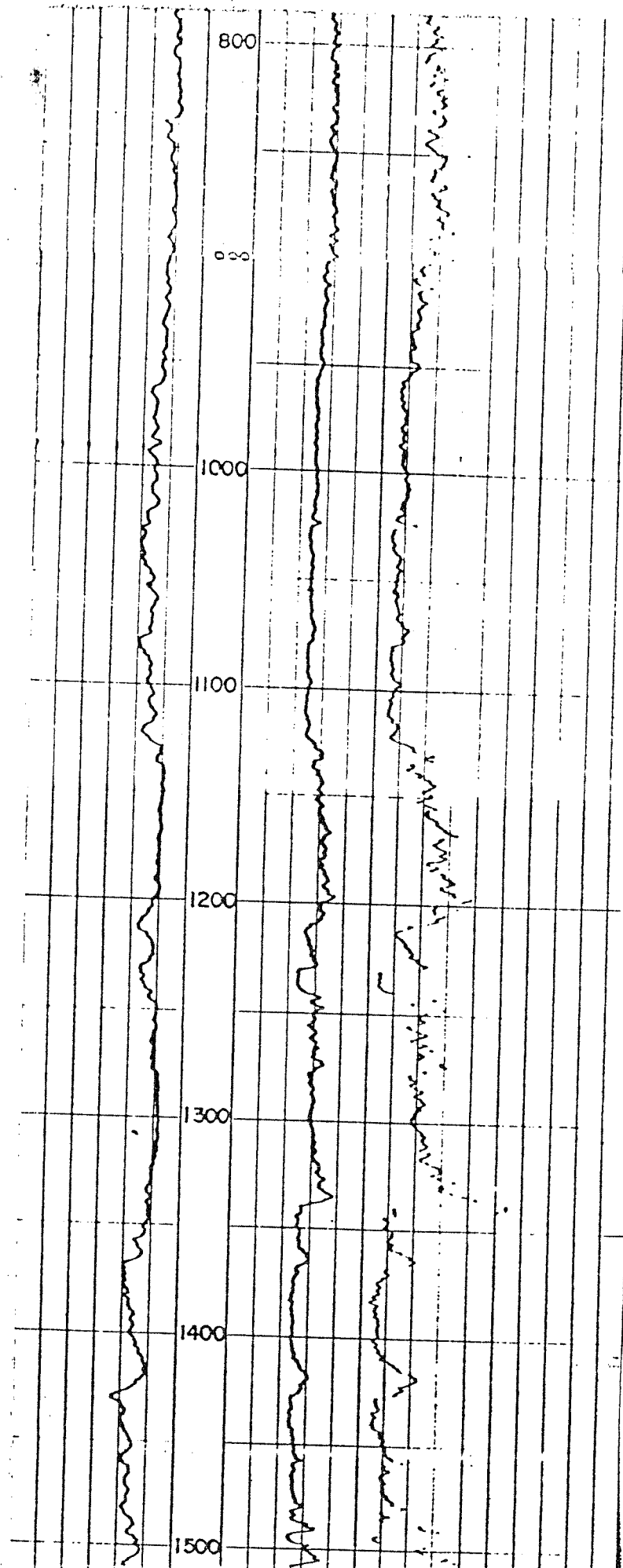
#### REMARKS OR OTHER DATA

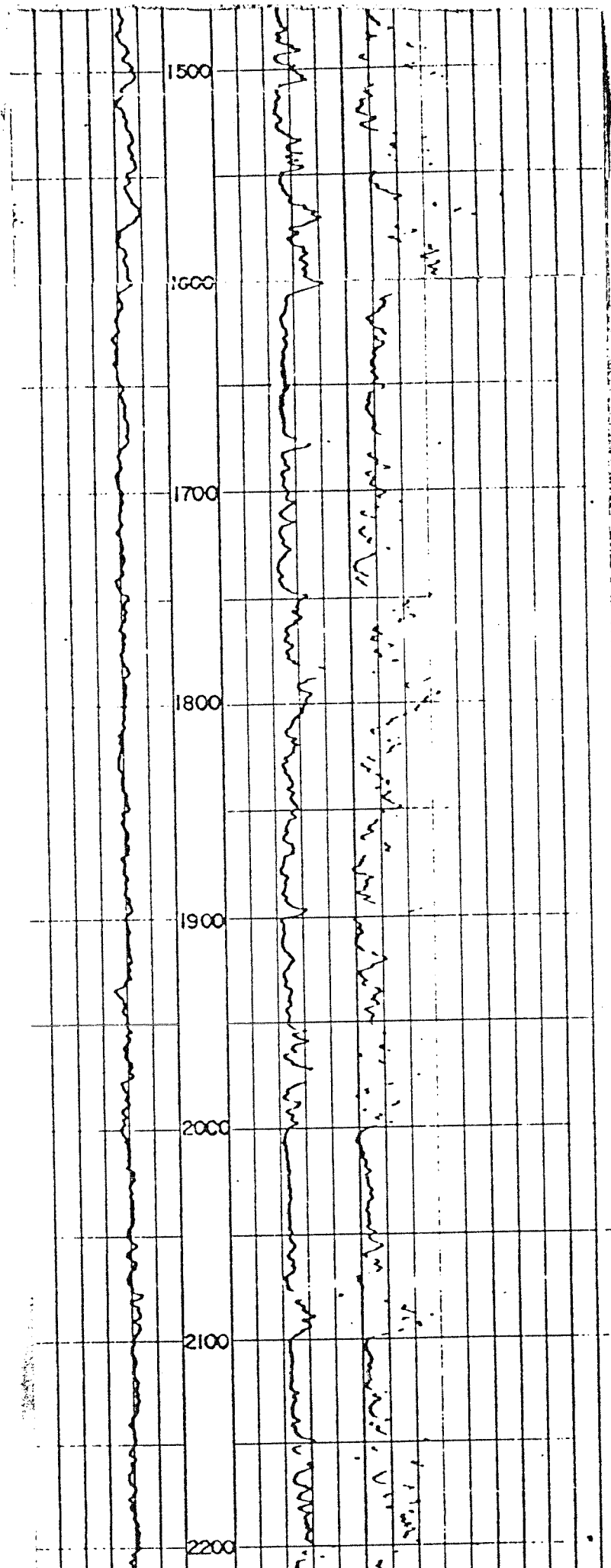
1961-1963 COPYRIGHT © BY  
 RILEY'S DATASHARE INTERNATIONAL LTD.  
 SCALED BY D-1 DATE 5/26/72  
 MO. DAVILA  
 FILMED BY B-6 DATE 5/27/72  
 MO. CRUYER

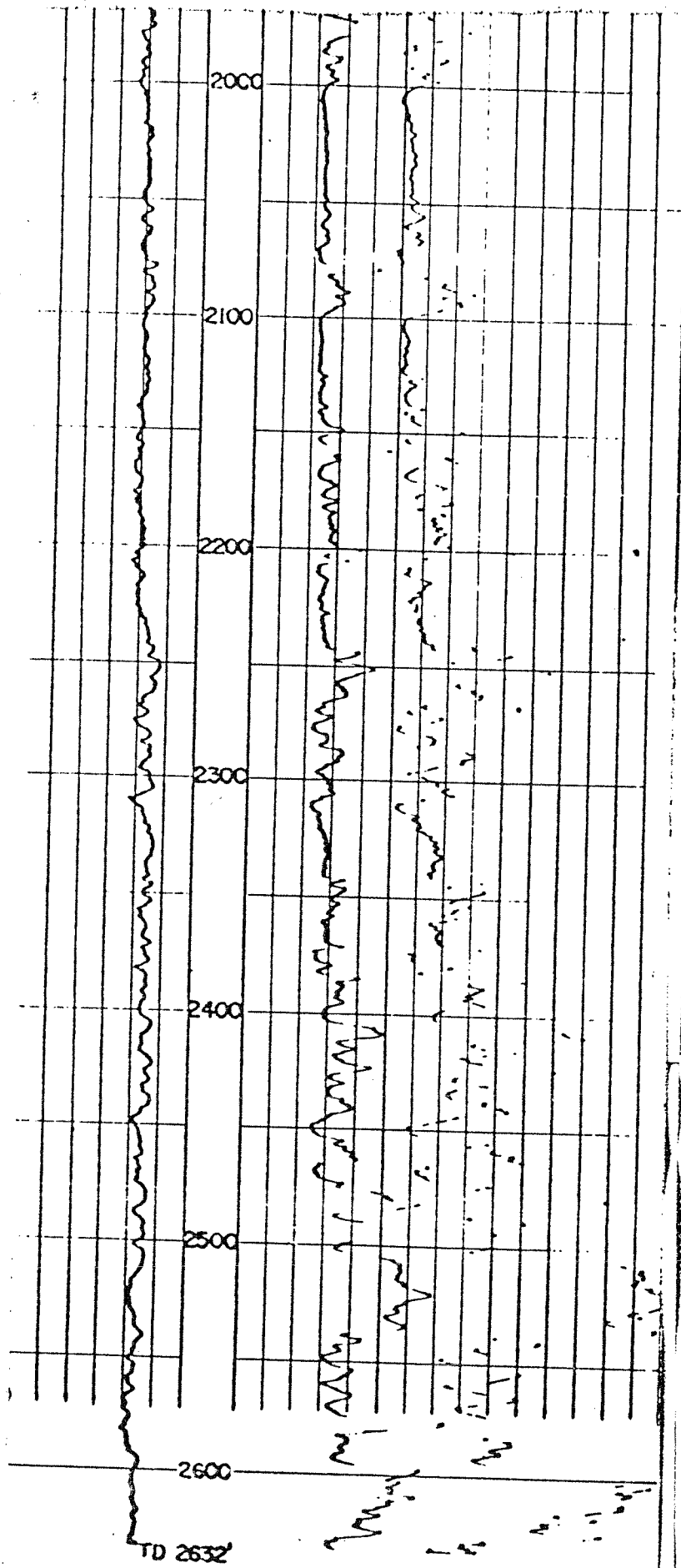












-38-35 N 58-50-36 W K.B..... T.D.2637 FILE NO.157043