

SUMMARISED WELL LOG

STAITHES - 1

Location NZ 769 - 185

SCALE 1:10,000

CHRONO- STRATIGRAPHY	LITHO- STRATIGRAPHY	DEPTH DRILLED ft & m	GRAPHIC LOG	CORES SHOWS	Description	CASING	TESTS	ELECTRIC LOGS	Remarks
JURASSIC	Lias Mudstones	168	-?-----		- OD = 215' BRT				
		1010							
	I135 Rhaetic	250							
		1000							
	Keuper Marls	250							
		500							
	I954	2000							
		750							
	Bunter Sandstone	3000							
		3000							
	3188	1000							
	3344 Bunter Sh	1000							
	3344 Littlebeck + 3535 Smeaton	1000	Λ + Λ + Λ + + + + Λ Λ Λ Λ						
	-? Corn Marl -?---	1000							
	Boulby - 3818 Billingham	1000	+ + + + Λ Λ Λ Λ						
	3916 Brotherton	1000							
	Fordon Evaps	4000	+ + + + + + + + + + K + + + +						
	4240	1250							
	KAF	4550							
	Hayton	4850							
	4915 Cadeby	1500							
CARBONIFEROUS	Undiff	5000							
		1750							
		6000							
		2000							
		7000							
		2250							
		8000							
		2500							

95" @ 2852'

3285
 Brockelscheifer 3344
 Littlebeck 3346
 Smeaton 3508
 Sherburn 3535
 Billingham 3780
 Billingham 3815

gap in log
 3756' - Hole taken over by Home oil.
 Geology above this depth estimated
 solely from a Gamma log.

DOL, alg, oolitic, fair ϕ
 DOL, firm, tight microxin
 DOL + DOL LST, tight
 DOL + ANHY
 very minor gas throughout KAF -
 4982' max 0.4% c. 4700'

DST # 1: 4234' - 4255', KAF, weak
 air blow throughout, recovered
 5 bbls filtrate
 DST # 2: 4470' - 4570', KAF
 recovered 400' of filtrate + mud
 DST # 3: 3830' - 3905', misrun
 DST # 4: 3840' - 3905', Brotherton,
 no recovery, packers failed

BP Petroleum Development Ltd.
UK Land Exploration

Author: D JOHNSON Date: MARCH 1989

Ref. EX/EK/6333 Dr.No. E/SL/477

U.K. LANDGEOLOGICAL DATA SHEET

WELL: I.C.I. Staithes No.1

Imperial Chemical Industries Ltd.
OPERATOR: Home Oil of Canada Ltd.

LATITUDE:

LICENCE AREA:

LONGITUDE:

R.T.E. 215.53°

GRID REF: NZ 769 185

G.L.E. 201.6°

TYPE OF RIG:

Imperial Chemical Industries started the well as a test for potash
OBJECTIVES: in the Permian Upper & Middle Evaporite beds. Home Oil of Canada
deepened to the top of the Carboniferous as a wildcat test for hydr

DATE SPUDDED: 20.8.65

DATE COMPLETED: 6.10.65 carbons

(Operations assumed by Home Oil 20.9.65 at 3756')

WELL STATUS: Dry and Abandoned

TOTAL DEPTH: 4975' (Driller) 4982' (Schl)

GEOLOGICAL DATA

<u>Formation</u>	<u>Top (b.r.t.)</u>	<u>Top (s.s.)</u>	<u>Thickness (ft.)</u>
PERMIAN	3808	3593	1097
Upper Magnesian Limestone	3808	3593	109
Lower Evaporite	3917	3702	943
Lower Magnesian Limestone	4850	4635	55
CARBONIFEROUS	4905	4690	75+
TOTAL DEPTH	4975	4760	

LOGS

Induction Electrical Log	2982 - 4980'
Sonic Log	2982 - 4970'
Gamma Ray Log	0 - 4970'
Microlog Caliper	2982 - 4980'
Cement Bond Log	1000 - 2982'
Temperature Log	0 - 3850'

TESTS

DST No.1	4234 - 4255'	175 gallons brine
DST No.2	4470 - 4570'	400' mud and water
DST No.3	3830 - 3905'	Misrun
DST No.4	3840 - 3905'	No Production

CORES

None

SHOWS

None