

WELL: Kirkleatham No.1

OPERATOR: D'Arcy Exploration Co. Ltd.

LATITUDE: 54° 34' 59.5" N

LICENCE AREA: A126

LONGITUDE: 1° 5' 25.5" W

R.T.E. 76 ft A.O.D.

GRID REF: 458779 521281

G.L.E. ?

TYPE OF RIG: Ideal 50

OBJECTIVES:

DATE SPUDDED: 26.6.45

DATE COMPLETED: 22.9.45

WELL STATUS: Plugged and Abandoned

TOTAL DEPTH: 3736 ft

GEOLOGICAL DATA

<u>Formation</u>	<u>Top (b.r.t.)</u>	<u>Top (s.s.)</u>	<u>Thickness (ft.)</u>
QUATERNARY	at	surface	47
Drift	at	surface	47
JURASSIC	47	+29	374
Lower Lias	47	+29	374
TRIASSIC	421	345	1557
Rhaetic	421	345	52
Keuper	473	397	675
Bunter	1148	1072	830
PERMIAN	1978	1902	1758
Saliferous Marls	1978	1902	209
Top Anhydrite	2187	2111	44
Upper Salt	2231	2155	131
Main Anhydrite	2362	2286	42
Upper Magnesian Limestone	2404	2328	75
Salt and Anhydrite Series	2479	2403	65
Main Magnesian Limestone	2544	2468	581
Permian Conglomerate	3125	3049	29
CARBONIFEROUS	3154	3078	582+
TOTAL DEPTH	3736	3660	

LOGS

Porosity log 1186 - 3365' Resistivity log 1186 - 3365'

TESTS

Packer Tests as follows:-

1. 1173 - 1400' water 470 galls.
2. 1625 - 1660' water 700 galls.
3. 1843 - 1890' No Production
4. 2050' water 120,000 g.p.d.
5. 2405 - 2495' No Production
6. 2551 - 2665' Brine 1170 g.p.d.
7. 2820 - 2965' Gas 73,000 cu.ft.
8. 2885 - 2965' No Production
9. 2954 - 3121' water 43,000 g.p.d.
10. 3429 - 3674' water 210 g.p.d. Trace gas

Kirkleatham No. 1 Continued

Cores

1 - 30	2050 - 2550'
31 ³ / ₈ 44	2605 - 2820'
45 - 47	3121 - 3145'
48	3173 - 3193'
49 - 50	3348 - 3375'
51	3462 - 3472'
52	3506 - 3521'
53	3615 - 3618'
54 - 55	3621 - 3648'
56	3684 - 3688'
57	3727 - 3736'

Shows:

3120' Bituminous oily limestone and shale