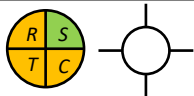


Well Name: 41/15- 1

Reason for Failure:
Tight reservoir at Permo-Carboniferous Levels.

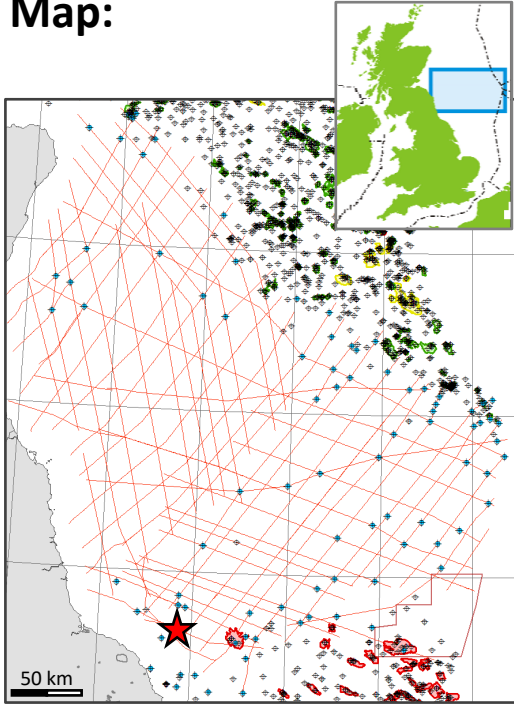


Summary:

Location: 0°8'10.414"W 54°38'26.633"N
Licence: P.604
Block: Quadrant 41, Block 15
Water Depth/Datum: 221 ft / 80 ft RT
Spud Date: April 1991
Operator/Partners: Conoco / Clyde, Kelt, Ranger, Union Jack.

TD/Formation: 11300 ft MD (11206 ft TVDSS) / Bunter Shale.
Objectives: Carboniferous Westphalian-Namurian sst (primary) / Zechstein Plattendolomit & Hauptdolomit (secondary).
Reservoir: Tight Zechstein dolomites and Carboniferous sands.
Charge: No shows recorded, no DST flow.
Seal: Leman my act as thief for Carboniferous which must therefore rely on intraformational seal.
Structure: 3-way dip anticline.
Results: P&A, Dry.

Map:



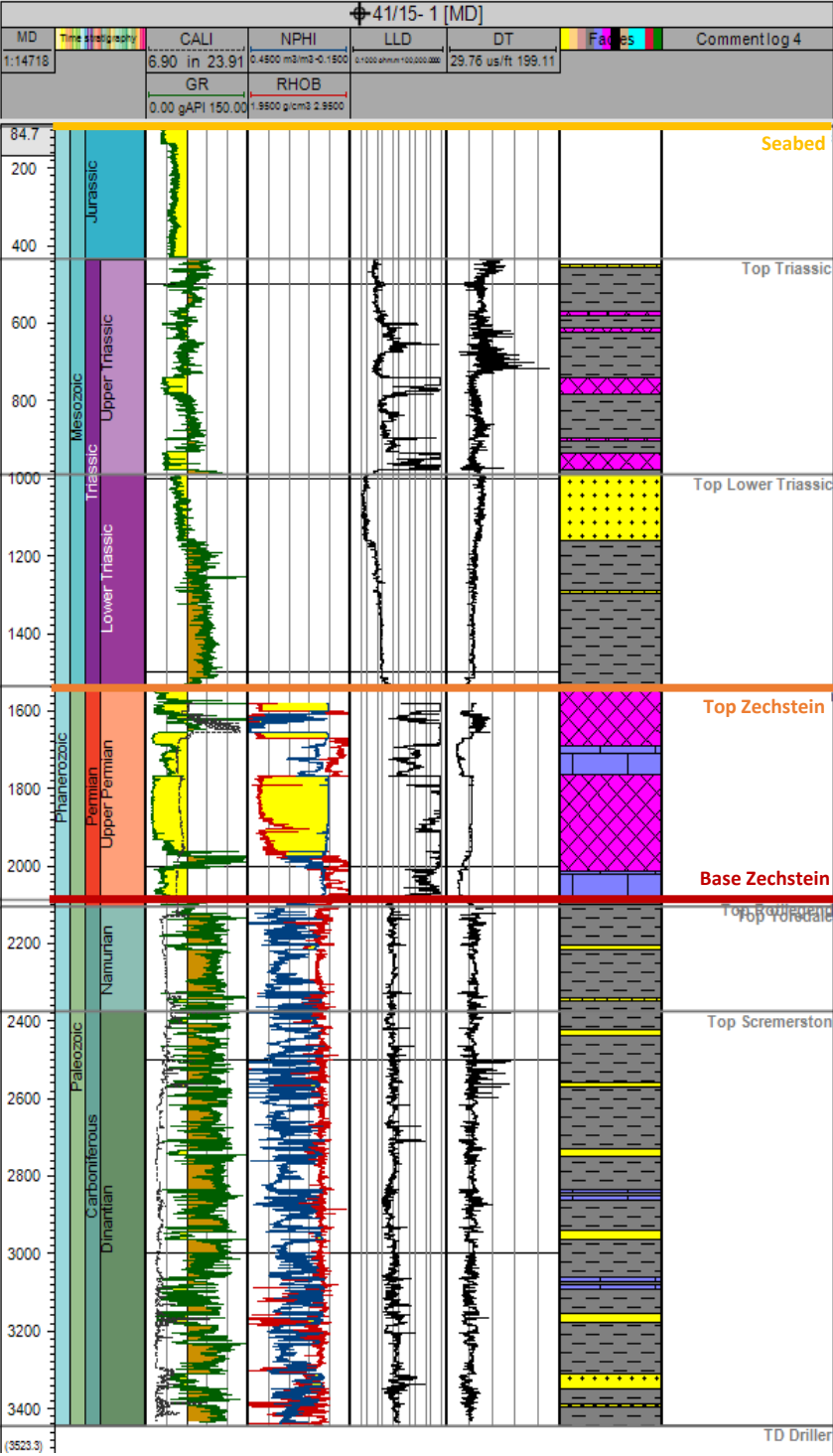
Tops:

Top	MD (ft)	TVDSS
Seabed	301	-221
Jurassic	301	-221
Triassic	1,420	-1,340
Bacton	3,246	-3,166
Zechstein	5,038	-4,958
Rotliegend	6,846	-6,765
Carboniferous	6,903	-6,822
Namurian	6,903	-6,822
Dinantian	7,790	-7,708
TD Driller	11,300	-11,207

DHA:

PLAY	R	S	C	T	Comments
Bunter					Bunter sands present but water wet.
Zechstein					Tight Reservoir. Minor shows, no DST flow.
Rotliegend					Thin 12ft Leman sand. No shows. Tight?
Westphalian					Westphalian absent.
Namurian					Tight (max 9% por) Yoredale-Scremerston. Minor shows, no DST flow.
L. Carboniferous					Tight (max 9% por) Yoredale-Scremerston. Minor shows, no DST flow.
ORS					TD-ed in Scremerston.
Kyle					TD-ed in Scremerston.

Well



Geological Summary:

The **Triassic Bunter** was present but water wet. Plattendolomit and Hauptdolomit **Zechstein Carbonates** were present (av. poro 3.5 and 4.2% respectively). A DST in the Plattendolomit recorded no flow. A thin (12 ft) Leman sand was encountered at the base of the **Rotliegend**. The targeted prospect is a Carboniferous 3-way dip inversion anticline bounded to the S by a WNW-ESE fault. The Westphalian is absent. The Dinantian consists fluvio-deltaic sands and muds (occasional limestones and coals). Namurian deposited in a prodelta setting. No formation names are defined. The succession is tentatively assigned to the **Yoredale – Scremerston** succession. Four sand units were identified averaging 6.6 – 9.1% porosity. No gas shows are recorded, however peaks seen in the Gas chromatograph. A DST in the Namurian / Visean recorded no flow. Pressure testing concluded that the reservoir is tight.

Seismic:

OGA_2105 L10 Seismic cross section. Map shows Base Zechstein TWT map and well location in relation to Breagh Field. (Wells not accurately tied to seismic)

