

UK Central Graben: Pressure Database

- Database of quality controlled pressure data from 223 Central Graben wells (well list on request).
- Pressure data is sourced from UK National Data Repository (NDR).
- Multiple source documents used (e.g. well reports, complogs, pressure reports, CGG tables).
- All data QC'd and errors in existing databases identified and removed.
- For each well, the following data types have been tabulated (where available) in an Excel spreadsheet (one spreadsheet per each well):
 - **Depth:** feet MD and TVDs at least, usually TVDkb also
 - **Pressure:** psia.
 - **Comments:** anything helpful regarding the quality of the test, plus sample fluid where recorded.
 - **Mobility:** tabulated where available.
 - **Reliability:** assessed from test mobility values and/or permeability comments.
 - **Tool type:** pressure tool used, MDT, RFT, XPT, FIT etc.
 - **Screenshots** of source data are also included.

- Further wells being added currently, and other areas already available.

#	A	B	C	D	E	F	G	H
1	MD [ft]	TVDkb [ft]	TVDss [ft]	Fm Pressure [ps]	Data Type	Quality	Mobility	Remark
2	8627.96	8627.96	8491.95	3844.74	MDT	Good	214.93	Good Test
3	8636.99	8636.99	8499.99	3847.2	MDT	Good	609.73	Good Test
4	8646.06	8646.06	8509.06	3849.95	MDT	Good	722.23	Good Test
5	8654.99	8654.99	8518.99	3852.85	MDT	Good	365.9	Good Test
6	8660.98	8660.98	8524.98	3854.51	MDT	Good	530.58	Good Test
7	8672.95	8672.95	8536.95		MDT	Invalid		Supercharged
8	8709.92	8709.92	8573.92	3875.68	MDT	Good	643.1	Good Test
9	8745.01	8745.01	8609.01	3891.85	MDT	Good	155.41	Good Test
10	8799.99	8799.99	8633.99	3915.92	MDT	Good	264.98	Good Test
11	8853.99	8853.99	8717.99	3939.45	MDT	Good	57.66	Good Test
12	8932.98	8932.98	8796.98	3974.06	MDT	Good	217.33	Good Test
13	9072.98	9072.98	8936.98	4034.17	MDT	Good	665.99	Good Test
14	9129.98	9129.98	8993.98	4059.43	MDT	Good	582.31	Good Test
15	9182.01	9182.01	9046.01	4089.39	MDT	Good	21.03	Good Test
16	9303.02	9303.02	9167.02		MDT	Invalid		Supercharged
17	14309	14309	14173	12583	MDT	Poor	0.8	Poor/moderate permeability
18	14316	14316	14180	12581	MDT	Fair	8.4	Good
19	14329	14329	14193		MDT	Invalid		Tight
20	14338.5	14338.5	14202.5	12594.1	MDT	Good	23.4	Very good
21	14345	14345	14209	12597.7	MDT	Fair	1.2	Good
22	14359	14359	14223		MDT	Invalid		Tight
23	14664	14664	14428		MDT	Invalid		Tight
24	14645	14645	14509		MDT	Invalid		Supercharged
25	14748	14748	14612	12738.5	MDT	Fair	1	Poor permeability
26	14778	14778	14642	12755	MDT	Invalid		Supercharged
27	14816	14816	14680		MDT	Invalid		Tight
28	14817	14817	14681		MDT	Invalid		Tight
29	14906.5	14906.5	14770.5	12758.2	MDT	Good	243	Very good
30	14910	14910	14774	12759.5	MDT	Good	260	Very good
31	14942	14942	14806	12768	MDT	Good	24.2	Good
32	14954	14954	14818	12778	MDT	Poor	3.2	Poor to moderate permeability (SC?)
33	14960	14960	14824	12774	MDT	Fair	1.9	Moderate to good
34	14987	14987	14851		MDT	Invalid		Tight
35	15080	15080	14944	12833.7	MDT	Fair	1.7	Moderate to good
36	15084	15084	14948		MDT	Invalid		Tight
37	15093	15093	14957	12842.6	MDT	Poor	0.9	Poor permeability
38	15098	15098	14962	12851.4	MDT	Invalid	0.3	Supercharged
39	15214	15214	15078		MDT	Invalid		Supercharged
40	15314	15314	15178		MDT	Invalid		Tight
41	15357	15357	15221	12988	MDT	Poor		Poor, 3 drawdowns
42	15412	15412	15276	13013.5	MDT	Poor		Poor, 2 drawdowns
43	15644	15644	15508	13142.9	MDT	Poor		Poor, 2 drawdowns
44	15688	15688	15552	13157.6	MDT	Poor		Poor

Client: Phillips Petroleum Co UK Ltd		Tool: MRPB_1	
Field: Kate		Probe Type: Conventional probe	
Well: 22/28a-4		Gauge: BGP1	
Run date: 8-JUL-1998		Gauge Resolution: 0.010 psi	

Test	File	Depth FT	TVD FT	Direction Mobility MD/CP	Mud Pressure Before PSIA	Mud Pressure After PSIA	Last read build-up Pres PSIA	Formation Pressure PSIA	Test Type
1	97	8627.96	8627.96	214.93	6294.93	6293.33	3844.74	3844.74	Draw-down Pressure
2	98	8636.99	8636.99	509.73	6298.99	6297.54	3847.20	3847.20	Draw-down Pressure
3	99	8646.06	8646.06	722.23	6304.06	6302.58	3849.95	3849.95	Draw-down Pressure
4	100	8654.99	8654.99	365.90	6309.41	6307.99	3852.85	3852.85	Draw-down Pressure
5	101	8660.98	8660.98	530.58	6312.00	6310.63	3854.51	3854.51	Draw-down Pressure

4.0 RESERVOIR ANALYSIS

4.1 Pressure Test Analysis Log Run 1 MDT Run 1

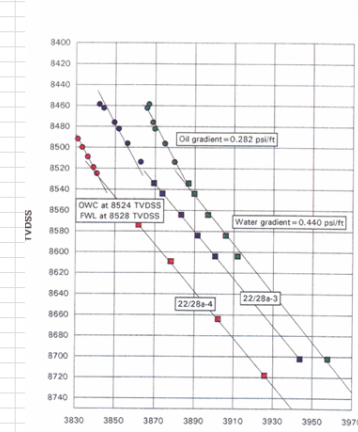
RUN	TEST	MDRT (ft)	TVDR (ft)	INITIAL HYDROST. (psia)	POST HYDROST. (psia)	FORMATION PRESSURE (psia/g)	MOBILITY (mD/cp)	REMARKS (Quartz gauge)
1	1	8627.95	8491.95	6294.93	6293.33	3844.74	214.93	Good Test
1	2	8635.99	8459.99	6298.99	6297.54	3847.20	509.73	Good Test
1	3	8645.06	8509.06	6304.06	6302.58	3849.95	722.23	Good Test
1	4	8654.99	8518.99	6309.41	6307.99	3852.85	365.90	Good Test
1	5	8660.98	8524.98	6312.00	6310.63	3854.51	530.58	Good Test
1	6	8672.95	8536.95	6319.61	6318.22	-	-	Supercharged
1	7	8709.92	8573.92	6347.27	6345.42	3875.68	643.10	Good Test
1	8	8745.01	8609.01	6372.97	6370.60	3891.85	155.41	Good Test
1	9	8799.99	8633.99	6413.39	6411.04	3915.92	264.98	Good Test
1	10	8853.99	8717.99	6452.51	6450.28	3939.45	57.66	Good Test
1	11	8932.98	8796.98	6510.86	6508.81	3974.06	217.33	Good Test
1	12	9072.98	8936.98	6615.19	6612.92	4034.17	665.99	Good Test
1	13	9129.98	8993.98	6656.22	6654.03	4059.43	582.31	Good Test
1	14	9182.01	9046.01	6693.10	6690.68	4089.39	21.03	Good Test
1	15	9303.02	9167.02	6782.22	6780.35	-	-	Supercharged

Pressure Test Analysis Log Run 3 MDT Run 1

RUN	TEST	MDRT (ft)	TVDR (ft)	INITIAL HYDROST. (psia/g)	POST HYDROST. (psia/g)	FORMATION PRESSURE (psia/g)	MOBILITY (mD/cp)	REMARKS (Sapphire gauge) (Strain for 1, 2, 3)
3	1*	14309	14173	12682.3*	12682*	12593*	0.8	Poor/moderate permeability
3	2*	14316	14180	12689.8*	12688*	12591*	8.4	Good
3	3*	14329	14193	12701.1*	12700.8*	12598*		Good
3	4	14338.5	14202.5	12717.7	12709.4	12594.1	23.4	Very good
3	5	14345	14309	12725.8	12715.8	12597.7	1.2	Good
3	6	14359	14223	12742.1	12729.7			Tight
3	7	14664	14428	12940	12926			Tight
3	8	14645	14509	12914.5	12898			Supercharged
3	9	14748	14612	13109.7	13091	12738.5	1.0	Poor permeability
3	10	14778	14642	13134.7	13116	12755		Supercharged
3	11	14816	14680	13169.7	13150			Tight
3	12	14817	14681	13168.3	13148			Tight
3	13	14906.5	14770.5	13287.2	13237	12758.2	243	Very good
3	14	14910	14774	13257.5	13236	12759.5	260	Very good
3	15	14942	14806	13287.6	13266	12768	24.2	Good
3	16	14954	14818	13266.9	13278	12778	3.2	Poor to moderate permeability (SC?)
3	17	14960	14824	13299.4	13278	12774	1.9	Moderate to good
3	18	14987	14851	13328.3	13303			Tight
3	19	15080	14944	13410.9	13398	12833.7	1.7	Moderate to good
3	20	15084	14948	13423.2	13397			Tight
3	21	15093	14957	13420.4	13398	12842.6	0.9	Poor permeability
3	22	15098	14962	13427	13399	12851.4	0.3	Supercharged
3	23	1514	15078	13525.3	13514			Tight
3	24	15314	15178	13636	13613			Tight
3	25	15357	15221	13673	13646	12988		Poor, 3 drawdowns
3	26	15412	15276	13725.8	13700	13013.5		Poor, 2 drawdowns
3	27	15644	15508	13933.7	13909	13142.9		Poor, 2 drawdowns
3	28	15688	15552	13973	13948	13157.6		Poor

Note for the first three pretests, the sapphire gauge was not functioning. These readings are therefore taken from the strain gauge and are in psi

22/28a-3 & 4 Tay Sands MDT Data



22/28a-4 KATE MDT DATA

