

Table 6.2: 1/3-6 RFT pressure results

Run/ test	Depth (mRKB)	Depth (mMSL)	Hydrostatic Formation			Mobility ratio (mD/cP)	Comments
			pressure (bara)	pressure (bara)	pressure (bara)		
2A /1	2915.3	-2889.9	504.3	339	220	1.1	Not stabilized
2A /6	2915.3	-2889.9	500.3	415	210	0.5	Supercharged
3B /1	2916.5	-2891.1	451.5	---	2	---	Dry test
2A /7	2916.8	-2891.4	500.0	394	250	3.7	Supercharged
3B /2	2916.8	-2891.4	451.6	392	70	1.0	Supercharged
2A /9	2917.0	-2891.6	499.6	242	175	2.1	Not stabilized
2A /3	2919.5	-2894.1	503.3	245	168	1.1	Not stabilized
2A /2	2919.7	-2894.3	504.3	381	205	0.2	Not stabilized
2A /5	2921.2	-2895.8	501.8	388.06	278	12.4	Supercharged
2A /8	2921.2	-2895.8	500.6	388.04	300	19.7	Supercharged
3B /4	2921.2	-2895.8	452.4	---	1	---	Dry test
3B /3	2921.4	-2896.0	452.4	---	1	---	Dry test
3B /5	2923.0	-2897.6	452.7	387.49	349	12.7	Good
3D /1	2923.0	-2897.6	---	387.1	60	---	Sample: 2 3/4 + 1 gal.
2A /4	2923.9	-2898.5	503.8	345	200	0.3	Not stabilized
3B /6	2935.0	-2909.6	454.5	---	1	---	Dry test
2A /10	2937.0	-2911.6	504.1	388.05	383	579	Good
2A /13	2937.0	-2911.6	---	379.7	20	---	Sample: 2 3/4 + 1 gal.
3B /7	2937.0	-2911.6	454.7	387.93	379	43	Good
3B /8	2944.5	-2919.0	456.0	---	2	---	Dry test
3B /9	2946.8	-2921.4	456.2	388.37	362	12.9	Good
3B /10	2952.0	-2926.6	456.9	388.81	300	5.4	Supercharged
2A /11	2952.8	-2927.4	507.1	389.06	340	58	Supercharged
3B /11	2955.6	-2930.2	457.4	388.97	180	1.8	Supercharged
3B /12	2960.9	-2935.5	458.1	388.89	355	15	Good
2A /12	2961.0	-2935.6	508.1	404	345	4.2	Supercharged
3B /13	2963.6	-2938.2	458.4	389.02	364	13	Good
3B /14	2968.5	-2943.1	459.1	---	2	---	Dry test
3B /15	2973.5	-2948.1	459.8	389.56	384	42	Supercharged
3B /20	2973.5	-2948.1	---	---	---	---	Sample: 2 3/4 + 1 gal.
3C /1	2973.5	-2948.1	---	---	---	---	Sample: 2 3/4 + 1 gal.
3B /16	2975.3	-2949.9	460.0	389.91	325	6.1	Supercharged
3B /17	3227.5						Dry test
3B /18	3298.5						Dry test
3B /19	3360.5						Dry test

Note: Run 2 values are taken from the strain gauge, due to HP gauge failure.
Run 3 values are taken from the HP gauge.

Table 6.3: 1/3-6 RFT sample summary

Run	Depth (mRKB)	Chamb. size (gal)	Drawd. pressure (bara)	Sampling time (min.)	Final pressure (bara)	Opening pressure (bara)	Volumes (litres)			Comments
							gas	oil	wat.	
2A	2937.0	2 3/4	4	26	352	72	337	1	5.8	Opened on rig
2A	2937.0	1	17	15	380	130			<1.4	Sent to Geco
3B	2973.5	2 3/4								Seal failure
3B	2973.5	1	4	17	389		6		10	Opened on rig
3C	2973.5	2 3/4	8	8	392	28	6		10	Opened on rig
3C	2973.5	1	25	7	392	<10			3.3	Sent to Geco
3D	2923.0	2 3/4	60	9	386	83	159	0.8	7.7	Opened on rig
3D	2923.0	1	100	3	387	30	2	0.07	3.3	Sent to Geco

Water characteristics for all water samples were almost identical to the mud filtrate characteristics

Table 6.4: Summary of DST data

DST	Date	Time	Choke	P _{wh} (bara)	T _{wh} (°C)	P _{sep} (bara)	T _{sep} (°C)	Q _{gas} (Sm ³ /d)	Q _{oil} (Sm ³ /d)	GOR (Sm ³ /Sm ³)	P _{bh} (bara)	T _{bh} (°C)	P _{drawd} (bara)
1	31.5.91	12:00	16/64" → 32/64" (Cleanup)										
	31.5.91	16:20	32/64"	76	19	20.0	64	141,000	110	1,282	133	116.0	255
	31.5.91	22:42	Well was killed due to packer failure, 15 m ³ of brine was lost into the formation										
1B	5.6.91	00:05	16/64" → 44/64" (Cleanup)										
	5.6.91	11:35	44/64"	26	16	6.8	44	81,000	62	1,307	62	106.5	326
	5.6.91	16:00	36/64"	38	16	14.0	53	79,000	68	1,162	78	109.6	310
	5.6.91	18:00	32/64"	48	16	19.8	62	80,500	71	1,140	92	112.3	296
	5.6.91	23:30	44/64"	30	16	13.3	62	93,300	78	1,196	65	107.2	323
	6.6.91	7:00	Shut in well downhole for build-up.										
	6.6.91	21:00	End of build-up										
2	10.6.91	17:42	16/64" → 40/64" (Cleanup)										
	10.6.91	21:00	40/64"	67	21	26.8	43	170,000	158	1,076	123	113.6	265
	11.6.91	3:15	32/64"	89	21	26.4	42	151,100	148	1,024	154	118.2	234
	11.6.91	12:45	24/64"	130	22	25.4	43	123,093	120	1,026	212	123.1	176
	11.6.91	17:00	Shut in well downhole for build-up.										
	11.6.91	23:00	32/64"	91	22	17.2	41	160,200	144	1,112	162	120.0	226
	12.6.91	3:00	40/64"	66	24	17.4	42	170,300	152	1,119	123	115.8	265
	12.6.91	7:00	48/64"	49	25	17.3	42	172,500	153	1,131	98	112.2	290
	12.6.91	11:15	Shut in well downhole for build-up.										
	12.6.91	23:00	End of build-up, start bottomhole sampling										

Table 6.6: Summary of PVT samples from DST

DST	Set	Date	Time	Oil bottle	Gas bottles	Comment
1B	PVT 1	5.6.91	20:10	TS-29-11	A-14658, A-14891, A-15188, A-15266	Standard PVT set
1B	ISO 1	5.6.91	21:10		A-14562 A-15352	Isokinetic gas (upstr.) Dry gas (downstream)
1B	PVT 2	5.6.91	22:35	TS-39-12	A-15432, A-14809, A-14740, A-15365	Standard PVT set
2	PVT 3	11.6.91	7:40	TS-24-15	A-16286, A-15914, A-16266, A-16257	Standard PVT set
2	ISO 2	11.6.91	8:30		A-16215 A-14828	Isokinetic gas (upstr.) Dry gas (downstream)
2	PVT 4	11.6.91	9:30	TS-33-02	A-14617, A-15184, A-15219, A-16285	Standard PVT set
2	BHS 1	13.6.91	8:30	TS-24-14		From PSTE-128816
2	BHS 2	13.6.91	8:30	TS-30-17		From PSTE-018601
2	BHS 3	13.6.91	8:30	TS-23-16		From SRS-0044-AA