一宮——大多喜間ヨード田鹹水分析表

Well Symbols on Figures	Well Name	Lifing[1] Method	Water Temp. (°C)	Cl^- (g/l)	I^- (mg/l)	I^-/Cl^- (mg/l) (g/l)	Br^- (mg/l)	Ca^{2+} (mg/l)	Mg^{2+} (mg/l)	Fe^{2+} (mg/l)	$Fe^{2+}+Fe^{3+}$ (mg/l)	pH	RpH	HCO_3^- (mg/l)	total CO_2 (mg/l)	NH_4^+ (mg/l)	$KMnO_4$ cons. (mg/l)	HBO_2 (mg/l)	SO_4^{2-} (mg/l)	Dissolved gas: $CH_4+N_2+A+O_2$ (cc/l)	Dissolved gas: O_2 (cc/l)	Dissolved gas: CH_4/N_2+A+CH_4 (Vol. %)	Casing head gas (Vol. %)[2]: CH_4	Casing head gas: CO_2	Casing head gas: resid.	Casing head gas: O_2	Horizon[3]	Well Depth (m)	C.P. end Depth (m)	Well Name
□	O- 3	A	—	9.76	80.4	8.24	43.8	65	179	—	—	—	8.1	1520	—	31.6	268	—	—	—	—	—	—	—	—	—	?, K	450	225	O- 3
	〃 8	G	22.4	16.30	133.3	8.18	69.0	133	315	1.75	2.91	—	7.8	1271	935	44.9	310	53	2>	26.6	0.00	—	70.7 (83.0)	1.8 (2.1)	24.3 (14.8)	3.2 (0.1)	?, K	550	225	〃 8
	〃 10	G	23.2	12.08	99.7	8.25	53.8	82	212	—	—	—	8.0	1032	925	34.5	255	—	—	—	—	—	—	—	—	—	K	420	359	〃 10
×	A-117	A	19.0	15.80	131.3	8.32	81.6	129	335	—	—	—	8.0	995	—	45.6	274	—	—	—	—	—	—	—	—	—	Ol, K	502	243	A-117
	〃 120	A	18.0	14.87	123.9	8.34	78.1	128	283	—	—	—	8.0	1045	—	49.2	307	56	2>	—	—	—	—	—	—	—	Om, Ol, K	491	166	〃 120
	〃 214	G	18.6	13.70	114.3	8.35	70.5	129	316	0.9	1.8	7.7	7.8	988	730	31.8	217	55	2>	27.7	1.90	77.7	73.6 (79.3)	2.5 (2.7)	22.3 (17.9)	1.6 (0.1)	Om, Ol, K	555	204	〃 214
	〃 217	A	19.5	16.99	141.0	8.30	85.2	158	262	—	—	—	8.0	951	—	38.9	234	—	—	—	—	—	—	—	—	—	Ol, K	473	165	〃 217
	〃 226	G	20.0	16.49	134.8	8.18	83.0	173	331	4.4	5.5	7.8-	7.8	849	620	48.2	207	56	2>	30.7	0.14	—	93.9 (96.7)	0.2 (0.2)	5.2 (3.0)	0.7 (0.1)	Om, Ol, K(Om / F.)	554	219	〃 226
	〃 701	G+A	19.1	15.61	124.9	8.00	76.6	172	297	2.0	4.0	7.7	7.7	811	603	41.4	213	—	—	16.9	1.08	—	73.2 (91.0)	1.2 (1.5)	21.4 (7.4)	4.2 (0.1)	Om, Ol, K	483	242	〃 701
+	〃 315	A	17.1	18.78	141.1	7.52	81.5	140	395	—	—	—	8.0	1257	—	49.3	289	—	—	—	—	—	—	—	—	—	K	461	182	〃 315
	〃 325	A	18.6	12.51	99.2	7.93	56.3	127	281	—	—	—	8.1	1038	—	38.1	231	—	—	—	—	—	—	—	—	—	K	502	175	〃 325
	〃 408A	G	17.9	14.89	116.5	7.82	78.0	128	269	0.74	1.89	7.5+	7.8	967	710	36.6	330	—	—	31.7	0.29	—	64.3 (74.3)	1.5 (1.7)	31.3 (23.9)	2.9 (0.1)	Ol	200	112	〃 408A
	〃 412	G	17.8	13.13	105.1	8.00	61.2	129	277	1.20	• 1.29	7.7	7.9	969	715	35.2	234	—	—	33.2	0.64	—	96.5	0.9	2.5	0.1	Ol, K	500	120	〃 412
	〃 420	G	18.2	12.90	100.6	7.80	67.8	99	181	0.80	1.02	7.5+	7.8	1032	775	26.5	283	—	—	19.9	0.27	59.6	42.4 (85.6)	1.5 (3.2)	45.0 (7.1)	11.1 (0.1)	Ol, K(Ol / F)	500	100	〃 420
*	〃 422	G	18.4	13.75	102.2	7.44	73.8	112	258	0.87	1.18	7.7	7.9+	990	765	33.2	278	—	—	26.9	2.25	73.7	61.5 (76.5)	1.7 (2.1)	32.6 (21.3)	4.2 (0.1)	Om, Ol, K	500	122	〃 422
	〃 534	A	18.9	9.69	77.3	7.98	43.2	71	181	—	—	—	8.1	1113	—	28.6	221	46	2>	—	—	—	—	—	—	—	K	473	185	〃 534
	〃 535	A	19.1	18.88	114.1	6.05	60.2	120	315	—	—	—	8.0	1290	—	51.2	276	60	3	—	—	—	—	—	—	—	K	476	180	〃 535
	N-R- 7	A	19.1	15.53	113.6	7.32	63.5	124	340	—	—	—	8.0	1370	—	51.4	275	—	—	—	—	—	—	—	—	—	Om, Ol, K	380	118	N-R- 7
	〃 R-11	G	18.0	16.72	122.3	7.32	71.2	146	248	4.87	5.0	7.3	7.7	1085	825	54.6	292			34.8	0.24	79.8	51.6 (78.9)	1.1 (1.7)	40.0 (19.3)	7.3 (0.1)	Om, Ol, K	462	100	〃 R-11
	〃 K- 2	A+G	17.4	12.09	76.9	6.36	52.2	115	254	—	—	—	7.9	1280	938	43.3	262	37	2>	—	—	—	—	—	—	—	Ol, K	386	100	〃 K- 2
●	〃 K- 4	A	18.5	16.20	110.3	6.81	65.7	124	394	—	—	—	8.1	1515	—	55.6	265	—	—	—	—	—	—	—	—	—	K	493	202	〃 K- 4
	〃 K-10	A+G	19.4	17.43	112.9	6.48	68.6	141	401	2.08	2.39	7.6	8.0-	1455	1075	59.0	337	69	2>	20.9	4.24	44.3	28.0 (80.3)	1.4 (4.1)	56.9 (15.5)	13.7 (0.1)	Om, Ol, K	422	90	〃 K-10
	〃 K-16	A	18.9	17.09	124.8	7.31	72.3	147	380	—	—	—	8.1	1310	—	60.4	344	—	—	—	—	—	—	—	—	—	Om, Ol, K	402	104	〃 K-16
	〃 K-18	A	17.9	15.86	116.8	7.37	66.9	146	399	—	—	—	8.0	1028	—	52.6	275	—	—	—	—	—	—	—	—	—	Ol, K	403	140	〃 K-18
	T- 2	G+A	21.3	17.28	114.8	6.65	62.7	134	441	1.5	7.0	7.7	7.7	1508	1105	139.	245	—	—	—	—	—	—	—	—	—	K	550	430	T- 2
△	〃 4	G	21.6	13.02	86.8	6.66	49.2	93	323	1.92	2.50	7.5	7.7	1620	1185	69.8	255	45	3	28.1	0.24	—	92.3 (94.1)	2.4 (2.4)	4.8 (3.4)	0.5 (0.1)	K	550	440	〃 4
	〃 102	G+A	19.0	12.03	79.2	6.58	47.6	81	280	0.67	3.17	7.6	7.8	1673	1235	93.4	258	—	—	23.9	2.95	—	45.4 (69.3)	3.5 (5.3)	43.8 (25.3)	7.3 (0.1)	Ol, K	425	230	〃 102
• F	Furusawa 1	F	24.1	18.80	116.8	6.22	68.9	171	453	—	—	—	7.9	1427	—	165.	167	93	—	—	—	—	—	—	—	—	Ōhara for.	750	130	Furusawa 1

1) A: air lift
G: gas lift
F: flowing

2) ( ) air-correction value

3) Kiwada formation: K;
Ōtadai formation {Om: middle part, Oı: lower part}

(F) horizon passed by fault
verified by electric logging

analysis by Y. ISHIWADA
Y. SHINADA
T. HIRUKAWA
S. MAKI

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