Datashare 60:

Heterogeneous distribution of pyrobitumen attributable to oil cracking and its effect on carbonate reservoirs: Feixianguan Formation in the Jiannan gas field, China

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AAPG Bulletin, v. 99, no. 4 (April 2015), pp. 763–789

Table 3. Present Porosity (P), Permeability, Pyrobitumen Content (PB), Paleoporosity (PP), and Average Pore Throat Radius (APTR) from the T_1f^3 in the Jiannan Gas Field (JN) and the Longjuba Gas-Bearing Structure (LJB)*

Area	Well	Depth (m)	Lithology	P (%)	PB (%)	PP (%)	PB/PP (%)	Permeability (md)	APTR (μm)
JN	XD1	3258.96	D	9.53	4.50	14.03	32.07	7.982	1.0106
JN	XD1	3259.07	D	9.58	4.07	13.65	29.81	1.713	1.5459
JN	XD1	3259.56	D	6.66	3.47	10.13	34.24	0.176	0.4724
JN	XD1	3259.87	D	5.26	4.65	9.91	46.92	0.118	0.1542
JN	XD1	3260.28	D	7.48	5.80	13.28	43.67	0.257	0.4629
JN	XD1	3260.79	D	5.45	5.15	10.60	48.61	0.108	0.1534
JN	XD1	3260.91	D	5.30	2.96	8.26	35.84	0.123	ND
JN	XD1	3261.08	D	7.36	5.32	12.68	41.96	0.211	0.5004
JN	XD1	3261.26	D	5.80	2.14	7.94	26.95	0.125	ND
JN	XD1	3261.78	D	6.90	4.96	11.86	41.83	0.159	0.4330
JN	XD1	3262.41	D	10.04	4.69	14.73	31.84	6.053	2.7895
JN	XD1	3262.91	D	7.70	4.89	12.59	38.83	0.233	0.4485
JN	XD1	3263.09	D	6.60	3.01	9.61	31.32	0.313	ND
JN	XD1	3263.23	D	9.43	4.96	14.39	34.47	2.712	1.6905
JN	XD1	3263.76	D	6.17	4.28	10.45	40.95	0.198	0.1827
JN	XD1	3263.91	D	3.31	3.91	7.22	54.14	0.078	ND
JN	XD1	3266.60	D	9.21	3.00	12.21	24.58	0.436	ND
JN	XD1	3266.78	D	1.45	5.07	6.52	77.72	0.079	0.0467
JN	XD1	3267.08	D	7.04	3.00	10.04	29.87	0.304	0.3983
JN	XD1	3267.35	D	8.93	3.28	12.21	26.87	0.266	0.3333
JN	XD1	3268.25	D	3.40	4.16	7.56	55.03	0.07	ND
JN	XD1	3270.24	D	5.80	2.12	7.92	26.77	0.284	ND
JN	XD1	3264.41	LD	1.29	1.93	3.22	59.92	0.081	0.0528
JN	XD1	3264.60	LD	1.60	5.89	7.49	78.64	0.089	ND
JN	XD1	3264.80	LD	0.60	4.64	5.24	88.51	0.076	0.0396
JN	XD1	3264.97	LD	1.40	5.83	7.23	80.64	0.076	ND
JN	XD1	3265.16	LD	1.00	3.89	4.89	79.49	0.072	0.0370
JN	XD1	3265.50	LD	2.49	3.16	5.65	55.90	0.074	0.0341
JN	XD1	3266.40	LD	2.38	3.22	5.60	57.45	0.078	0.0334
JN	XD1	3267.70	LD	3.12	3.24	6.36	50.95	0.099	0.0381
JN	XD1	3267.90	LD	0.29	3.87	4.16	93.03	0.061	ND
JN	XD1	3269.60	LD	1.50	1.60	3.10	51.61	0.073	ND
JN	XD1	3269.90	LD	1.30	1.80	3.10	58.06	0.077	ND
JN	XD1	3270.05	LD	1.46	1.20	2.66	45.16	0.085	0.0520
JN	XD1	3270.50	LD	4.13	1.51	5.64	26.78	0.065	0.0290
JN	XD1	3270.70	LD	1.80	1.81	3.61	50.14	0.068	ND
JN	XD1	3232.24	L	0.87	0.28	1.15	24.70	0.088	ND
JN	XD1	3232.46	L	2.07	0	2.07	0	0.078	ND
JN	XD1	3232.70	L	2.27	0	2.27	0	0.072	ND

(*continued*)

Table 3. Continued

Area	Well	Depth (m)	Lithology	P (%)	PB (%)	PP (%)	PB/PP (%)	Permeability (md)	APTR (μm)
JN	XD1	3233.14	L	1.85	0	1.85	0	0.075	ND
JN	XD1	3233.41	L	1.91	1.75	3.66	47.79	0.069	ND
JN	XD1	3233.81	L	3.29	1.98	5.27	37.57	0.075	ND
JN	XD1	3234.11	L	0.64	2.29	2.93	78.09	0.071	ND
JN	XD1	3234.43	L	2.01	2.16	4.17	51.77	0.069	ND
JN	XD1	3234.69	L	1.00	1.16	2.16	53.80	0.069	ND
JN	XD1	3234.92	L	1.71	0	1.71	0	0.068	ND
JN	XD1	3235.15	L	0.49	0	0.49	0	0.078	ND
JN	XD1	3235.73	L	0.83	0	0.83	0	0.066	ND
JN	XD1	3235.99	L	0.81	0	0.81	0	0.072	ND
JN	XD1	3236.80	L	0.01	0	0.01	0	0.062	ND
JN	XD1	3237.15	L	0.84	0	0.84	0	0.068	ND
JN	XD1	3237.40	L	0.17	0.30	0.47	63.21	0.07	ND
JN	XD1	3238.67	L	2.03	0	2.03	0	0.069	ND
JN	XD1	3239.11	L	1.04	0	1.04	0	0.064	ND
JN	XD1	3239.26	L	0.84	0	0.84	0	0.067	ND
JN	XD1	3239.57	L	0.40	0	0.40	0	0.066	ND
JN	XD1	3239.78	L	1.07	0	1.07	0	0.053	ND
JN	XD1	3241.23	L	0.42	0.88	1.30	67.85	0.073	ND
JN	XD1	3241.38	L	0.75	1.87	2.62	71.37	0.058	0.0155
JN	XD1	3243.60	L	0.60	0	0.60	0	0.174	ND
JN	XD1	3243.85	L	0.69	0	0.69	0	0.069	0.1470
JN	XD1	3244.22	L	0.85	1.13	1.98	57.03	0.089	ND
JN	XD1	3244.46	L	1.39	0.30	1.69	17.79	0.143	0.0047
JN	XD1	3244.67	L	1.24	0.10	1.34	7.48	0.092	ND
JN	XD1	3244.77	L	0.61	0.21	0.82	25.51	0.075	0.0137
JN	XD1	3245.08	L	1.08	0	1.08	0	0.093	ND
JN	XD1	3245.23	L	1.17	0	1.17	0	0.074	0.0047
JN	XD1	3245.45	L	0.72	0	0.72	0	2.84	ND
JN	XD1	3245.93	L	0.03	0	0.03	0	0.079	ND
JN	XD1	3246.33	L	0.82	0.51	1.33	38.39	0.078	ND
JN	XD1	3246.50	L	0.30	1.60	1.90	84.05	0.077	ND
JN	XD1	3247.67	L	0.73	0.64	1.37	46.75	0.075	0.0253
JN	XD1	3248.52	L	1.35	0.86	2.21	38.96	0.084	0.0120
JN	XD1	3251.51	L	0.97	0.88	1.85	47.51	0.079	0.0165
JN	XD1	3251.71	L	1.13	2.86	3.99	71.75	0.082	ND
JN	XD1	3251.90	L	0.39	2.41	2.80	86.11	0.074	ND
JN	XD1	3252.36	L	0.38	1.46	1.84	79.25	0.069	ND
JN	XD1	3253.13	L	1.05	0.74	1.79	41.38	0.07	0.0178
JN	XD1	3254.16	L	1.22	0.95	2.17	43.76	0.069	0.0135
JN	XD1	3255.28	L	1.20	1.97	3.17	62.22	0.068	0.0132
JN	XD1	3255.59	L	1.10	1.79	2.89	62.00	0.066	0.0172
JN	XD1	3256.71	L	1.94	0.95	2.89	32.90	0.073	0.0248
JN	XD1	3257.71	L	1.79	0.34	2.13	15.94	0.068	0.0416
JN	XD1	3258.36	L	1.91	2.37	4.28	55.40	0.071	0.0231
JN	XD1	3265.35	L	0.91	1.97	2.88	68.51	0.08	ND
JN	XD1	3265.72	L	1.40	2.01	3.41	58.94	0.073	ND
JN	XD1	3265.90	L	1.74	3.69	5.43	67.99	0.075	0.0293
JN	XD1	3266.23	L	2.00	2.15	4.15	51.81	0.077	ND
JN	XD1	3267.50	L	1.50	4.10	5.60	73.21	0.086	ND
JN	XD1	3268.05	L	2.10	0.50	2.60	19.24	0.072	0.0401
JN	XD1	3268.40	L	2.21	0.02	2.23	0.90	0.165	0.0232
JN	XD1	3269.30	L	2.55	0.10	2.65	3.77	0.071	ND
JN	XD1	3269.45	L	1.33	1.60	2.93	54.61	0.073	0.0296

(*continued*)

Table 3. Continued

Area	Well	Depth (m)	Lithology	P (%)	PB (%)	PP (%)	PB/PP (%)	Permeability (md)	APTR (μm)
JN	XD1	3269.70	L	1.45	1.20	2.65	45.26	0.08	0.0382
JN	XD1	3270.90	L	1.22	0.70	1.92	36.48	0.067	0.0257
JN	XD1	3271.05	L	1.09	0.30	1.39	21.62	0.077	ND
JN	XD1	3271.20	L	0.35	1.64	1.99	82.57	0.07	ND
JN	XD1	3271.75	L	1.35	0.10	1.45	6.90	0.062	0.0228
JN	XD1	3272.12	L	1.23	1.48	2.71	54.62	0.068	0.0173
JN	XD1	3272.44	L	0.94	2.08	3.02	68.79	0.07	0.0138
JN	XD1	3272.85	L	1.51	1.30	2.81	46.24	0.064	0.0175
JN	XD1	3273.29	L	1.47	2.00	3.47	57.57	0.071	0.0313
JN	XD1	3274.10	L	1.43	0.40	1.83	21.84	0.072	0.0378
JN	XD1	3274.45	L	1.69	1.50	3.19	47.00	0.07	0.0256
JN	XD1	3274.65	L	1.31	0.70	2.01	34.78	0.065	ND
JN	XD1	3274.85	L	0.95	0.05	1.00	5.01	0.065	0.0146
JN	XD1	3275.20	L	0.95	1.21	2.16	56.11	0.063	0.0112
JN	XD1	3275.55	L	0.77	0.05	0.82	6.11	0.065	0.0109
JN	XD1	3275.92	L	0.02	0.40	0.42	94.52	0.064	ND
JN	XD1	3276.37	L	0.94	2.21	3.15	70.07	0.062	0.0583
JN	XD1	3276.85	L	0.07	2.35	2.42	97.14	0.062	ND
JN	XD1	3277.25	L	0.96	0.05	1.01	4.94	0.065	0.0154
JN	XD1	3277.80	L	0.77	0.50	1.27	39.43	0.064	0.0204
JN	XD1	3278.20	L	1.35	0.06	1.41	4.26	0.064	0.0190
JN	XD1	3278.55	L	2.23	0.08	2.31	3.46	0.066	0.0204
JN	XD1	3279.05	L	1.48	0.35	1.83	19.16	0.066	0.0480
JN	XD1	3279.35	L	0.83	0.18	1.01	17.85	0.062	0.0236
JN	XD1	3279.85	L	2.03	0.12	2.15	5.59	0.071	0.0821
JN	XD1	3280.80	L	1.09	1.00	2.09	47.75	0.073	0.0134
JN	XD1	3281.25	L	0.11	0.65	0.76	85.01	0.067	ND
JN	J15	3111.04	L	2.42	0	2.42	0	ND	ND
JN	J15	3111.06	L	2.32	0	2.32	0	ND	ND
JN	J15	3111.17	L	2.01	0	2.01	0	ND	ND
JN	J15	3117.09	L	1.82	0	1.82	0	ND	ND
JN	J15	3121.90	L	0.82	0	0.82	0	ND	ND
JN	J38	3128.11	L	2.46	0	2.46	0	ND	ND
JN	J38	3128.15	L	2.80	0	2.80	0	ND	ND
JN	J38	3128.17	L	2.33	0	2.33	0	ND	ND
JN	J38	3128.48	L	2.11	0	2.11	0	ND	ND
JN	J38	3128.52	L	2.12	0	2.12	0	ND	ND
JN	J38	3128.55	L	1.82	0	1.82	0	ND	ND
JN	J38	3138.28	L	1.04	0	1.04	0	ND	ND
JN	J38	3138.31	L	0.60	0	0.60	0	ND	ND
JN	J43	3007.94	L	0.73	1.89	2.62	72.14	ND	ND
JN	J43	3008.00	L	0.50	1.00	1.50	66.67	ND	ND
JN	J43	3008.13	L	0.48	0.41	0.89	46.07	ND	ND
JN	J43	3012.02	L	0.72	0	0.72	0	ND	ND
JN	J43	3012.09	L	1.03	0	1.03	0	ND	ND
JN	J43	3012.13	L	0.83	0.99	1.82	54.40	ND	ND
JN	J43	3012.36	L	1.00	0	1.00	0	ND	ND
JN	J43	3036.64	L	0.63	0	0.63	0	ND	ND
JN	J43	3036.70	L	0.71	0	0.71	0	ND	ND
JN	J43	3036.74	L	0.72	0	0.72	0	ND	ND
JN	J43	3036.84	L	0.57	0	0.57	0	ND	ND
JN	J43	3061.83	L	0.80	0	0.80	0	ND	ND
JN	J43	ND	L	0.45	2.09	2.54	82.29	ND	ND
JN	J43	ND	L	0.55	2.02	2.57	78.59	ND	ND

(*continued*)

Table 3. Continued

Area	Well	Depth (m)	Lithology	P (%)	PB (%)	PP (%)	PB/PP (%)	Permeability (md)	APTR (μm)
JN	J43	ND	L	0.59	0.62	1.21	51.37	ND	ND
JN	J43	ND	L	0.81	0	0.81	0	ND	ND
JN	J47	ND	L	0.51	2.42	2.93	82.59	ND	ND
JN	J47	ND	L	0.51	1.90	2.41	78.84	ND	ND
JN	J47	ND	L	0.37	0	0.37	0	ND	ND
JN	J47	ND	L	0.48	0.96	1.44	66.67	ND	ND
JN	J47	ND	L	0.48	2.15	2.63	81.75	ND	ND
JN	J47	ND	L	0.47	0.89	1.36	65.44	ND	ND
JN	J47	ND	L	0.50	1.78	2.28	78.07	ND	ND
JN	J61	3252.09	L	2.18	0	2.18	0	ND	ND
JN	J61	3252.19	L	2.71	0	2.71	0	ND	ND
JN	J61	3252.28	L	1.79	0	1.79	0	ND	ND
JN	J61	3252.38	L	1.75	0	1.75	0	ND	ND
JN	J61	3252.47	L	1.63	0	1.63	0	ND	ND
JN	J61	3252.56	L	1.82	0	1.82	0	ND	ND
JN	J61	3252.66	L	1.72	0	1.72	0	ND	ND
JN	J61	3252.75	L	1.60	0	1.60	0	ND	ND
JN	J61	3252.84	L	1.53	0	1.53	0	ND	ND
JN	J61	3252.94	L	1.63	0	1.63	0	ND	ND
JN	J61	3253.03	L	1.66	0	1.66	0	ND	ND
JN	J61	3253.13	L	1.62	0	1.62	0	ND	ND
JN	J61	3253.22	L	1.66	0	1.66	0	ND	ND
JN	J61	3253.31	L	1.78	0	1.78	0	ND	ND
JN	J61	3253.41	L	1.73	0	1.73	0	ND	ND
JN	J61	3253.50	L	1.83	0	1.83	0	ND	ND
JN	J61	3253.59	L	1.79	0	1.79	0	ND	ND
JN	J61	3253.69	L	1.81	0	1.81	0	ND	ND
JN	J61	3253.78	L	1.87	0	1.87	0	ND	ND
JN	J61	3253.88	L	1.85	0	1.85	0	ND	ND
JN	J61	3253.97	L	1.99	0	1.99	0	ND	ND
JN	J61	3254.06	L	1.78	0	1.78	0	ND	ND
JN	J61	3254.16	L	1.93	0	1.93	0	ND	ND
JN	J61	3254.25	L	1.98	0	1.98	0	ND	ND
JN	J61	3254.34	L	2.05	0	2.05	0	ND	ND
JN	J61	3254.44	L	2.01	0	2.01	0	ND	ND
JN	J61	3254.53	L	2.53	0	2.53	0	ND	ND
JN	J61	3254.63	L	1.90	0	1.90	0	ND	ND
JN	J61	3254.72	L	2.01	0	2.01	0	ND	ND
JN	J61	3254.81	L	1.86	0	1.86	0	ND	ND
JN	J61	3254.91	L	1.78	0	1.78	0	ND	ND
JN	J61	3255.00	L	1.78	0	1.78	0	ND	ND
JN	J61	3255.09	L	1.97	0	1.97	0	ND	ND
JN	J61	3255.19	L	1.83	0	1.83	0	ND	ND
JN	J61	3255.28	L	1.81	0	1.81	0	ND	ND
JN	J61	3255.38	L	1.65	0	1.65	0	ND	ND
JN	J61	3255.47	L	1.34	0	1.34	0	ND	ND
JN	J61	3255.56	L	1.14	0	1.14	0	ND	ND
JN	J61	3255.66	L	1.03	0	1.03	0	ND	ND
JN	J61	3255.75	L	0.52	0	0.52	0	ND	ND
JN	J61	3255.84	L	0.74	0	0.74	0	ND	ND
JN	J61	3255.94	L	0.95	0	0.95	0	ND	ND
JN	J61	3256.03	L	1.19	0	1.19	0	ND	ND
JN	J61	3256.13	L	1.45	0	1.45	0	ND	ND
JN	J61	3256.22	L	1.49	0	1.49	0	ND	ND

(*continued*)

Table 3. Continued

Area	Well	Depth (m)	Lithology	P (%)	PB (%)	PP (%)	PB/PP (%)	Permeability (md)	APTR (μm)
JN	J61	3256.31	L	1.47	0	1.47	0	ND	ND
JN	J61	3256.41	L	1.48	0	1.48	0	ND	ND
JN	J61	3256.50	L	1.54	0	1.54	0	ND	ND
JN	J61	3256.59	L	1.38	0	1.38	0	ND	ND
JN	J61	3256.69	L	1.07	0	1.07	0	ND	ND
JN	J61	3256.78	L	1.11	0	1.11	0	ND	ND
JN	J61	3256.88	L	1.16	0	1.16	0	ND	ND
JN	J61	3256.97	L	1.33	0	1.33	0	ND	ND
JN	J61	3257.06	L	1.43	0	1.43	0	ND	ND
JN	J61	3257.16	L	1.35	0	1.35	0	ND	ND
JN	J61	3257.25	L	1.29	0	1.29	0	ND	ND
JN	J61	3257.34	L	1.14	0	1.14	0	ND	ND
JN	J61	3257.44	L	0.98	0	0.98	0	ND	ND
JN	J61	3257.53	L	0.89	0	0.89	0	ND	ND
JN	J61	3257.63	L	0.74	0	0.74	0	ND	ND
JN	J61	3257.72	L	0.56	0	0.56	0	ND	ND
JN	J61	3257.81	L	0.60	0	0.60	0	ND	ND
JN	J61	3257.91	L	0.40	0	0.40	0	ND	ND
JN	J61	3258.00	L	0.87	0	0.87	0	ND	ND
JN	J61	3258.13	L	0.87	0	0.87	0	ND	ND
JN	J61	3258.26	L	0.84	0	0.84	0	ND	ND
JN	J61	3258.40	L	1.02	0	1.02	0	ND	ND
JN	J61	3258.53	L	1.14	0	1.14	0	ND	ND
JN	J61	3258.66	L	1.40	0	1.40	0	ND	ND
JN	J61	3258.79	L	1.29	0	1.29	0	ND	ND
JN	J61	3258.92	L	1.20	0	1.20	0	ND	ND
JN	J61	3259.06	L	1.40	0	1.40	0	ND	ND
JN	J61	3259.19	L	1.26	0	1.26	0	ND	ND
JN	J61	3259.32	L	1.07	0	1.07	0	ND	ND
JN	J61	3263.26	L	0.57	0	0.57	0	ND	ND
JN	J61	3263.37	L	0.51	0	0.51	0	ND	ND
JN	J61	3263.48	L	0.42	0	0.42	0	ND	ND
JN	J61	3263.59	L	0.30	0	0.30	0	ND	ND
JN	J61	3263.69	L	0.46	0	0.46	0	ND	ND
JN	J61	3263.80	L	0.42	0	0.42	0	ND	ND
JN	J61	3263.91	L	0.45	0	0.45	0	ND	ND
JN	J61	3264.02	L	0.62	0	0.62	0	ND	ND
JN	J61	3264.13	L	0.82	0	0.82	0	ND	ND
JN	J61	3264.24	L	1.09	0	1.09	0	ND	ND
JN	J61	3264.35	L	0.92	0	0.92	0	ND	ND
JN	J61	3264.46	L	1.01	0	1.01	0	ND	ND
JN	J61	3264.56	L	0.98	0	0.98	0	ND	ND
JN	J61	3264.67	L	1.00	0	1.00	0	ND	ND
JN	J61	3264.78	L	1.02	0	1.02	0	ND	ND
JN	J61	3264.89	L	1.11	0	1.11	0	ND	ND
JN	J61	3265.00	L	1.50	0	1.50	0	ND	ND
JN	J61	3265.14	L	1.04	0	1.04	0	ND	ND
JN	J61	3265.27	L	1.01	0	1.01	0	ND	ND
JN	J61	3265.41	L	0.68	0	0.68	0	ND	ND
JN	J61	3265.55	L	0.58	0	0.58	0	ND	ND
JN	J61	3265.68	L	0.39	0	0.39	0	ND	ND
JN	J61	3265.82	L	0.48	0	0.48	0	ND	ND
JN	J61	3265.95	L	0.47	0	0.47	0	ND	ND
JN	J61	3266.09	L	0.47	0	0.47	0	ND	ND

(*continued*)

Table 3. Continued

Area	Well	Depth (m)	Lithology	P (%)	PB (%)	PP (%)	PB/PP (%)	Permeability (md)	APTR (μm)
JN	J61	3266.23	L	0.55	0	0.55	0	ND	ND
JN	J61	3266.36	L	1.30	0	1.30	0	ND	ND
JN	J61	3266.50	L	1.29	0	1.29	0	ND	ND
JN	J61	3268.27	L	1.63	0	1.63	0	ND	ND
JN	J61	3268.37	L	1.49	0	1.49	0	ND	ND
JN	J61	3268.47	L	1.63	0	1.63	0	ND	ND
JN	J61	3268.57	L	1.28	0	1.28	0	ND	ND
JN	J61	3268.67	L	1.36	0	1.36	0	ND	ND
JN	J61	3268.77	L	1.60	0	1.60	0	ND	ND
JN	J61	3268.87	L	1.12	0	1.12	0	ND	ND
JN	J61	3268.97	L	1.12	0	1.12	0	ND	ND
JN	J61	3269.07	L	1.30	0	1.30	0	ND	ND
JN	J61	3269.17	L	0.85	0	0.85	0	ND	ND
JN	J61	3269.27	L	1.38	0	1.38	0	ND	ND
JN	J61	3269.37	L	1.72	0	1.72	0	ND	ND
JN	J61	3269.47	L	1.32	0	1.32	0	ND	ND
JN	J61	3269.57	L	1.29	0	1.29	0	ND	ND
JN	J61	3269.67	L	1.46	0	1.46	0	ND	ND
JN	J61	3269.77	L	0.87	0	0.87	0	ND	ND
JN	J61	3269.87	L	1.07	0	1.07	0	ND	ND
JN	J61	3269.97	L	0.85	0	0.85	0	ND	ND
JN	J61	3270.07	L	0.80	0	0.80	0	ND	ND
JN	J61	3270.17	L	1.20	0	1.20	0	ND	ND
JN	J61	3270.27	L	1.27	0	1.27	0	ND	ND
JN	J61	3270.37	L	1.74	0	1.74	0	ND	ND
JN	J61	3270.47	L	1.73	0	1.73	0	ND	ND
JN	J61	3270.57	L	1.50	0	1.50	0	ND	ND
JN	J61	3270.67	L	1.58	0	1.58	0	ND	ND
JN	J61	3270.77	L	1.26	0	1.26	0	ND	ND
JN	J61	3270.87	L	0.99	0	0.99	0	ND	ND
JN	J61	3270.97	L	1.13	0	1.13	0	ND	ND
JN	J61	3271.07	L	1.27	0	1.27	0	ND	ND
JN	J61	3271.17	L	1.29	0	1.29	0	ND	ND
JN	J61	3271.27	L	1.18	0	1.18	0	ND	ND
JN	J61	3271.37	L	0.81	0	0.81	0	ND	ND
JN	J61	3271.47	L	1.43	0	1.43	0	ND	ND
JN	J61	3271.57	L	1.73	0	1.73	0	ND	ND
JN	J61	3271.67	L	1.67	0	1.67	0	ND	ND
JN	J61	3271.77	L	1.75	0	1.75	0	ND	ND
JN	J61	3271.87	L	2.00	0	2.00	0	ND	ND
JN	J61	3271.97	L	1.80	0	1.80	0	ND	ND
JN	J61	3272.07	L	2.06	0	2.06	0	ND	ND
JN	J61	3272.17	L	1.68	0	1.68	0	ND	ND
JN	J61	3272.27	L	1.78	0	1.78	0	ND	ND
JN	J61	3272.37	L	2.07	0	2.07	0	ND	ND
JN	J61	3272.47	L	1.26	0	1.26	0	ND	ND
JN	J61	3272.69	L	1.90	0	1.90	0	ND	ND
JN	J61	3272.81	L	2.09	0	2.09	0	ND	ND
JN	J61	3272.93	L	2.11	0	2.11	0	ND	ND
JN	J61	3273.05	L	2.16	0	2.16	0	ND	ND
JN	J61	3273.17	L	2.13	0	2.13	0	ND	ND
JN	J61	3273.29	L	1.93	0	1.93	0	ND	ND
JN	J61	3273.41	L	1.75	0	1.75	0	ND	ND
JN	J61	3273.53	L	1.06	0	1.06	0	ND	ND

(*continued*)

Table 3. Continued

Area	Well	Depth (m)	Lithology	P (%)	PB (%)	PP (%)	PB/PP (%)	Permeability (md)	APTR (μm)
JN	J61	3274.80	L	1.24	0	1.24	0	ND	ND
JN	J61	3274.95	L	1.69	0	1.69	0	ND	ND
JN	J61	3275.10	L	1.27	0	1.27	0	ND	ND
JN	J61	3275.25	L	1.67	0	1.67	0	ND	ND
JN	J61	3275.40	L	1.74	0	1.74	0	ND	ND
JN	J61	3275.55	L	1.66	0	1.66	0	ND	ND
JN	J61	3275.70	L	1.77	0	1.77	0	ND	ND
JN	J61	3275.85	L	1.76	0	1.76	0	ND	ND
JN	J61	3276.00	L	1.25	0	1.25	0	ND	ND
JN	J61	3276.15	L	0.73	0	0.73	0	ND	ND
JN	J61	3276.30	L	1.07	0	1.07	0	ND	ND
JN	J61	3276.56	L	1.65	0	1.65	0	ND	ND
JN	J61	3276.71	L	1.92	0	1.92	0	ND	ND
JN	J61	3276.86	L	1.83	0	1.83	0	ND	ND
JN	J61	3277.01	L	1.07	0	1.07	0	ND	ND
JN	J69	ND	L	1.70	0	1.70	0	ND	ND
JN	J69	ND	L	1.50	0	1.50	0	ND	ND
JN	J69	ND	L	1.90	0.43	2.33	18.45	ND	ND
JN	J69	ND	L	1.50	0.18	1.68	10.71	ND	ND
JN	J69	ND	L	1.70	0.10	1.80	5.56	ND	ND
JN	J69	ND	L	1.70	0.10	1.80	5.56	ND	ND
JN	J69	ND	L	1.30	1.25	2.55	49.02	ND	ND
JN	J69	ND	L	1.20	1.91	3.11	61.41	ND	ND
JN	J69	ND	L	0.68	1.61	2.29	70.31	ND	ND
JN	J69	ND	L	1.00	0.30	1.30	23.08	ND	ND
JN	J69	ND	L	0.73	0	0.73	0	ND	ND
JN	J69	ND	L	0.89	1.03	1.92	53.65	ND	ND
JN	J69	ND	L	1.20	0	1.20	0	ND	ND
JN	J69	ND	L	1.60	0	1.60	0	ND	ND
JN	J69	ND	L	1.70	0	1.70	0	ND	ND
JN	J69	ND	L	2.20	0.11	2.31	4.76	ND	ND
JN	J69	ND	L	2.00	0	2.00	0	ND	ND
JN	J69	ND	L	1.50	0	1.50	0	ND	ND
JN	J69	ND	L	1.50	0	1.50	0	ND	ND
JN	J69	ND	L	1.70	0.09	1.79	5.03	ND	ND
JN	J69	ND	L	1.90	0.13	2.03	6.40	ND	ND
JN	J69	ND	L	1.80	0.35	2.15	16.28	ND	ND
JN	J69	ND	L	1.40	0	1.40	0	ND	ND
JN	J69	ND	L	1.60	0.31	1.91	16.23	ND	ND
JN	J69	ND	L	1.30	0.17	1.47	11.56	ND	ND
JN	J69	ND	L	1.10	0.07	1.17	5.98	ND	ND
JN	J69	ND	L	1.30	0	1.30	0	ND	ND
JN	J69	ND	L	1.30	0	1.30	0	ND	ND
JN	J69	ND	L	1.20	0	1.20	0	ND	ND
JN	J69	ND	L	0.93	0	0.93	0	ND	ND
JN	J69	ND	L	1.00	0	1.00	0	ND	ND
JN	J69	ND	L	1.10	0	1.10	0	ND	ND
JN	J69	ND	L	1.00	0	1.00	0	ND	ND
JN	J69	ND	L	1.00	0	1.00	0	ND	ND
JN	J69	ND	L	0.82	0	0.82	0	ND	ND
JN	J69	ND	L	0.75	0	0.75	0	ND	ND
JN	J69	ND	L	0.90	0	0.90	0	ND	ND
JN	J69	ND	L	0.91	0	0.91	0	ND	ND
JN	J69	ND	L	0.85	0	0.85	0	ND	ND

(*continued*)

Table 3. Continued

Area	Well	Depth (m)	Lithology	P (%)	PB (%)	PP (%)	PB/PP (%)	Permeability (md)	APTR (μm)
JN	J69	ND	L	0.86	0	0.86	0	ND	ND
JN	J69	ND	L	0.74	0	0.74	0	ND	ND
JN	J69	ND	L	0.94	0	0.94	0	ND	ND
JN	J69	ND	L	0.94	0	0.94	0	ND	ND
JN	J69	ND	L	1.10	0	1.10	0	ND	ND
JN	J69	ND	L	0.84	0	0.84	0	ND	ND
LJB	L8	3812.40	D	0.65	0.58	1.23	47.28	0.026	ND
LJB	L8	3812.58	D	1.22	0.58	1.80	32.11	0.027	ND
LJB	L8	3812.69	D	1.19	0.24	1.43	16.90	0.016	ND
LJB	L8	3812.87	D	1.23	1.32	2.55	51.69	0.022	ND
LJB	L8	3813.25	D	1.31	0.28	1.59	17.40	0.015	ND
LJB	L8	3813.44	D	0.80	0.31	1.11	27.73	0.033	ND
LJB	L8	3813.65	D	1.59	1.04	2.63	39.61	0.022	ND
LJB	L8	3814.18	D	1.80	1.41	3.21	43.84	0.023	ND
LJB	L8	3814.23	D	2.11	0.79	2.90	27.27	0.017	ND
LJB	L8	3814.74	D	1.20	1.12	2.32	48.25	0.066	ND
LJB	L8	3815.28	D	1.97	0.34	2.31	14.79	0.019	ND
LJB	L8	3815.75	D	1.71	0.37	2.08	17.95	0.014	ND
LJB	L8	3816.32	D	1.60	0.68	2.28	29.79	0.014	ND
LJB	L8	3816.45	D	1.55	0.62	2.17	28.70	0.016	ND
LJB	L8	3816.75	D	1.52	0.49	2.01	24.23	0.016	ND
LJB	L8	3817.50	D	4.67	1.51	6.18	24.36	0.255	ND
LJB	L8	3819.14	D	6.82	1.61	8.43	19.11	16.427	ND
LJB	L8	3826.07	D	2.79	3.59	6.38	56.26	0.107	ND
LJB	L8	3826.61	D	2.85	2.67	5.52	48.37	0.020	ND
LJB	L8	3828.61	D	2.78	1.72	4.50	38.28	0.032	ND
LJB	L8	3828.81	D	7.63	2.47	10.10	24.45	0.507	ND
LJB	L8	3829.10	D	9.29	0.94	10.23	9.16	2.573	ND
LJB	L8	3830.17	D	6.11	2.04	8.15	24.98	0.205	ND
LJB	L8	3830.69	D	5.99	1.09	7.08	15.37	0.096	ND
LJB	L8	3831.00	D	8.12	0.92	9.04	10.20	0.856	ND
LJB	L8	3832.19	D	5.65	2.28	7.93	28.76	0.060	ND
LJB	L8	3832.68	D	8.53	1.47	10.00	14.70	1.718	ND
LJB	L8	3833.01	D	6.82	2.51	9.33	26.92	0.262	ND

*Note: ND = no data; D = Dolostone; LD = Limy dolostone; L = Limestone.