

## Datashare 42:

# Using copulas for implementation of variable dependencies in petroleum resource assessment: Example from Beaufort-Mackenzie Basin, Canada

Zhuoheng Chen, Kirk G. Osadetz, James Dixon, and James Dietrich

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### APPENDIX 1: FORMULATION OF RESOURCE POTENTIAL CALCULATION

The ultimate recoverable resource (equation 7) in a play,  $V_{ur}$ , is the product of distributions from field or pool size  $z_i$ , number of fields or pools ( $N$ ), and ultimate recovery factor  $R_u$ . The field or pool size (equation 5),  $z_i$ , is expressed as the product of reservoir volumetric variable  $y_i$ . The reservoir engineering equations for calculation of oil and free gas resource potential at each prospect are defined as (Crovelli and Balay, 1986)

$$z_i^{oil} = C \prod_{i=1}^{p_{oil}} y_i = C^* A^* F^* H^* P^* S_{oil} / B_o$$

and

$$z_i^{gas} = C \prod_{i=1}^{p_{gas}} y_i = C^* A^* F^* H^* P^* S_{gas} * \frac{T}{P_E Z}$$

where the reservoir volumetric variables are defined as  $C$  = unit conversion factor;  $A$  = area of closure;  $F$  = trap fill (%);

$H$  = net thickness of reservoir;  $P$  = effective porosity of reservoir (%);  $S_{oil}$  = oil saturation (%);  $B_o$  = oil formation volume factor;  $Z$  = gas compressibility factor;  $S_{gas}$  = gas saturation (%);  $T$  = reservoir temperature;  $P_E$  = original reservoir pressure;  $P_{oil}$  = number of reservoir volumetric variables for oil resource calculation; and  $P_{gas}$  = number of reservoir volumetric variables for gas resource calculation.

The number of field or pool distribution is a product of the shared probability at play level, the prospect-specific local probability, and the number of prospect distribution:

$$N = N_p \prod_{i=1}^m \theta_{gr}(i) \prod_{j=1}^l \theta_{gp}(j) = N_p (p_s p_{ig} p_m p_{rf}) (p_{tp} p_{ep} p_{ac})$$

where the shared risk factors at the play level are (Crovelli and Balay, 1986)  $p_s$  = probability of presence of effective source rock;  $p_{ig}$  = probability of appropriate timing;  $p_m$  = probability of migration; and  $p_{rf}$  = probability of presence of effective reservoir facies. The risk factors at local prospect level are  $p_{tp}$  = probability of presence of trap;  $p_{ep}$  = probability of presence of effective porosity;  $p_{ac}$  = probability of hydrocarbon accumulation; and  $N_p$  = the distribution of number of prospects in a play.

**APPENDIX 2: CORRELATED RANDOM  
VARIABLE DATA SET USED IN THE  
HYPOTHETICAL EXAMPLE**

Closure Area	Net Pay	Porosity	Oil Saturation
7.6625	12.8501	31.2257	99.4584
4.6302	1.6482	0.6824	32.6147
6.7191	5.9164	8.3021	73.2014
6.7264	5.4083	7.1712	80.7743
5.5420	6.7799	4.8078	63.2599
4.4534	3.2310	0.4105	45.1442
5.7834	3.6879	6.4422	25.5749
5.3687	7.9982	7.8125	94.2536
4.8764	2.7538	3.0249	17.6377
5.6150	6.1736	5.0030	67.3975
5.3662	6.2307	2.0437	37.2299
4.5549	5.1422	9.5747	29.5276
4.5055	5.6498	0.9763	65.1245
5.8432	5.6829	3.3991	69.4914
4.8149	3.7266	10.0252	40.4896
4.9292	4.9044	10.4034	57.0337
4.1974	4.5404	0.3017	57.4095
4.4233	3.1590	3.5061	17.4313
6.9164	5.9334	13.1733	58.2716
5.6273	7.6960	9.8615	79.0125
5.5238	3.6794	1.2153	66.7061
4.0536	4.2525	2.2899	23.1663
3.0763	1.8760	0.2550	2.7741
2.4181	3.6012	0.4736	4.9575
3.8842	2.8598	2.0571	48.3401
6.6698	5.2618	5.9023	90.8597
5.2397	2.8243	5.5574	31.3660
4.8150	3.0560	0.6553	9.7858
5.7330	4.5899	1.8553	48.0556
4.6061	4.4219	2.0030	60.1558
5.8113	3.5112	1.3011	29.5827
4.6614	3.0833	0.5881	19.5999
6.1428	7.5432	28.5152	74.3565
5.5275	5.7502	1.3653	20.1264
6.4879	4.9276	6.5964	59.1502
5.6301	7.4553	8.2197	97.0985
5.7709	6.4522	7.6925	43.0603
3.5409	3.4652	1.5185	58.5728
5.3485	2.2074	0.6287	50.9585
3.8067	5.2117	0.6146	50.3734
5.5595	6.4710	15.9561	94.0423
4.8658	3.9287	3.0855	34.2803
5.9229	6.3955	6.9030	46.3236
6.2280	4.6736	3.5181	81.6093

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
5.3816	4.6943	3.7402	17.3787
5.0343	5.6800	0.4135	45.0159
4.8478	4.5444	3.4158	38.5987
6.7527	4.9537	12.9790	78.0642
6.2144	5.4351	2.3766	92.7068
4.5990	4.4587	7.2562	18.2693
3.6243	5.6259	0.4924	16.7373
4.6716	3.6765	4.3669	78.4124
4.5685	3.3146	0.7533	4.6402
6.6382	7.1804	11.7931	62.5920
5.6796	6.2967	11.0287	81.0054
3.5630	4.8226	3.6034	10.1841
4.6721	4.6272	0.5572	26.3284
5.4059	5.0819	2.9201	89.2593
4.0495	3.6774	3.1092	27.9012
4.9460	5.2364	10.8987	44.0850
3.9726	2.2762	3.0463	51.0599
5.9675	4.5423	2.6748	78.6699
4.4238	6.7610	1.9840	24.0188
5.2575	6.0489	4.7816	79.6630
5.5320	5.0550	4.7991	36.5106
7.3921	9.0893	10.3317	96.6254
4.6965	4.4228	9.0342	46.4059
4.2229	3.4904	1.5563	4.1082
5.6863	7.0294	14.5857	43.1289
4.2360	2.2349	1.9371	22.3946
6.4091	10.2912	8.4476	86.4731
3.5686	2.6051	0.6202	2.9859
4.6711	5.8592	8.3086	19.6428
2.4905	1.1263	0.4266	4.2419
5.0418	8.6594	10.3726	99.1968
5.8824	8.3057	14.0529	94.6298
6.4128	6.6412	1.9941	74.4563
6.0825	8.3344	3.7868	69.3726
4.2932	3.2190	1.0473	6.6775
6.6440	6.9464	12.8295	98.1476
5.8504	4.1467	5.2787	67.3382
3.7032	3.3104	0.9015	3.6316
5.9682	5.0981	29.4758	70.2861
5.7734	4.7462	1.2672	79.2462
6.0985	6.9916	3.2771	26.5713
5.6856	4.1609	2.4868	25.0581
5.1758	5.6753	8.0324	86.7457
4.3000	3.0508	0.8097	41.6246
6.2616	7.7843	7.6801	78.6031
3.4695	6.3900	0.1881	11.4435
6.0459	2.2969	3.2369	64.9219

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
5.7547	9.9903	2.5316	94.3854
4.0200	1.6437	0.7847	22.9101
4.7286	3.8771	3.5040	49.1014
5.4156	7.1215	7.4085	94.6921
5.4676	3.0662	2.3340	60.2845
5.8387	3.5930	14.7097	83.4720
5.2589	8.1794	8.4151	77.8630
3.2235	1.4145	0.4011	7.3705
6.6085	8.9539	5.8005	86.9022
4.9036	3.2188	5.8220	8.4185
5.8053	5.9029	10.2206	99.7829
5.0422	3.3885	0.8982	37.3562
4.6172	4.1400	3.0489	50.1014
3.9778	2.4779	1.3554	16.2632
5.3068	7.2743	5.2861	32.1972
5.5714	3.6353	2.1116	65.5621
4.9619	4.4610	1.2690	28.7484
5.1479	3.7980	5.3835	57.6869
3.4628	1.9947	0.0701	3.7589
4.8852	3.4868	0.9758	31.8201
3.8372	3.0904	1.0552	8.8493
5.2532	5.9722	8.6561	27.6204
5.3753	3.8843	0.4677	25.9471
3.7949	4.8208	1.6299	19.6282
4.9112	3.8369	0.4197	37.7760
5.8898	2.6256	2.8175	34.1439
5.6258	6.0848	5.7659	39.9531
6.1172	5.9629	19.1307	98.0811
4.2810	6.0234	2.2308	67.6472
3.5348	2.8342	0.1672	12.4221
4.0656	5.4675	5.3621	50.8992
5.1047	5.4491	10.3482	64.2756
5.2821	5.8309	7.8942	80.9228
4.7316	5.2470	1.7124	43.1605
5.9886	5.8287	18.4088	61.0077
4.1757	1.1292	2.3116	17.3998
4.1644	3.1643	3.5441	8.1901
5.2584	2.9032	0.8711	23.7655
4.4244	2.2870	0.0848	3.0814
4.8674	4.2848	2.2693	70.5208
4.9022	2.0300	4.4544	2.7112
6.8056	7.7073	3.8947	81.9605
6.2379	5.1456	1.3794	50.0605
3.6312	2.2705	1.2578	7.8455
5.2575	6.8602	3.7398	26.3037
4.5494	2.0969	0.4103	1.3832
2.9724	2.3357	0.8923	33.4635
5.9731	5.2448	5.0295	93.6584

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
3.4911	2.7846	1.3072	22.3342
4.1818	4.0231	0.3031	12.1704
2.3701	1.1253	0.0559	3.7525
4.5564	3.2817	1.1352	57.2975
5.4164	4.4065	4.1982	28.3903
5.9221	4.8285	7.0502	75.9011
7.2829	2.4272	18.8937	69.0471
7.5662	6.3198	5.2859	87.3562
5.0459	5.5438	7.6035	43.0084
4.5858	4.0107	0.6844	79.6009
4.4534	3.6502	2.4901	3.1440
5.1050	3.9339	1.5190	33.5617
4.3490	3.7956	0.0486	37.1922
5.1140	5.2870	2.7959	63.5354
3.9169	6.9031	4.5354	64.2126
5.2786	4.7149	4.9568	77.4454
3.4813	1.8484	3.3064	16.4655
5.9867	6.9965	4.5172	19.8351
5.8080	3.8797	4.2822	94.5542
5.7879	5.8079	4.1788	75.6209
4.3508	5.2261	4.3951	80.9931
5.4655	5.6452	5.8945	88.2872
5.0580	4.6192	0.8077	55.3765
2.9537	2.0562	0.2150	15.3614
4.8276	6.4672	5.2464	28.5268
4.8066	7.7180	13.5491	75.1623
4.5469	3.3938	11.4201	66.2949
4.4657	2.7210	0.4184	9.7512
2.1648	1.0042	0.2247	1.4560
5.0962	6.8780	4.4033	54.3245
6.2102	6.2075	8.8569	75.1441
3.6324	3.3238	1.1152	78.6816
5.1603	6.9334	19.4176	40.3762
5.0826	2.2682	1.6558	52.2994
4.4746	5.2821	7.8961	91.2318
3.3426	3.1619	7.7158	2.7402
6.2002	6.6823	8.7235	97.4557
5.5218	6.6445	20.9265	65.5382
3.8368	4.1356	5.8115	66.9280
5.0937	5.7263	2.2900	90.4973
7.1821	7.0821	13.7354	97.6979
5.8017	5.3202	4.5400	92.5055
4.0071	5.3785	0.6697	11.0847
4.6780	3.2773	0.7493	9.6709
4.3477	2.2882	7.5146	46.5926
5.4857	6.2921	8.5036	89.3636
4.9099	3.9704	13.1597	61.2175
4.8420	3.5242	5.3982	37.7428

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
5.4590	4.2687	8.2645	63.4720
5.3110	4.9185	7.7924	47.6557
5.9852	2.3192	6.6095	91.6215
5.2029	8.3992	8.0490	77.4982
4.3196	3.4979	0.4751	9.4757
5.0630	6.2391	13.9541	42.4785
5.5699	4.3601	5.5017	79.8032
4.8001	4.6745	2.3817	33.3395
5.7953	4.2573	2.5097	77.0249
3.3503	1.9666	2.7797	19.1168
4.8274	4.2862	8.7060	50.5070
4.8010	6.6172	8.6195	71.2143
2.1882	2.5275	1.0916	10.5362
4.0137	6.4933	5.7634	48.9404
4.8639	5.8043	10.2141	48.5859
3.5869	2.8561	0.4573	73.5246
3.8842	1.8943	2.3220	44.4184
6.1217	6.1525	6.4055	64.1362
4.3429	4.5136	2.5997	19.7650
6.4180	9.0507	7.7921	46.1287
5.6542	6.0078	4.0630	61.8988
5.1385	3.5915	5.2221	18.7076
4.4345	4.6449	0.4849	30.5487
5.3234	5.8810	0.9100	46.9966
4.1680	6.0940	1.3391	24.9929
5.2838	6.1546	7.5734	88.6857
3.3106	2.1359	0.8028	1.0273
5.1045	4.0091	2.9092	15.7320
4.3047	5.4939	4.5369	77.6261
3.6533	5.9855	0.6497	74.8226
5.0232	8.4589	2.9737	70.0131
5.2756	7.5377	4.3309	94.1446
3.2746	3.0431	2.6416	14.5040
5.1637	3.4103	2.8826	19.8669
6.1500	7.7723	15.6665	81.7978
7.8367	8.8830	14.8996	95.1085
3.0808	1.9751	0.0598	19.3691
3.4171	4.0995	4.0733	14.0521
3.6208	2.2739	3.3408	43.2502
5.2516	3.5428	2.4013	48.7817
3.9498	3.2246	3.2963	42.9924
3.8293	4.4713	5.3190	75.1084
4.4667	5.6826	4.0626	35.6221
5.3293	7.1094	7.5228	59.8718
5.0342	4.2455	1.1522	17.4694
4.8542	4.4687	3.1008	73.3709
5.7554	6.9620	2.6170	20.6513
4.7506	3.5774	7.3209	11.1794

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
5.1894	4.4147	11.1990	56.2053
5.2795	3.6771	7.2093	69.1335
4.2613	3.5895	1.8850	12.5242
5.8746	6.6927	3.1090	72.7632
4.8211	4.0512	1.1245	15.9905
4.6633	3.2973	2.3924	72.6232
3.2407	2.5251	4.9232	18.5066
2.5780	3.3968	1.7039	18.3142
5.1310	5.4811	3.7275	78.9489
5.4532	3.9226	20.0447	13.4658
5.7353	6.0003	12.1609	68.2655
6.1690	5.4199	7.4628	66.5094
5.0384	5.6567	4.4566	45.3762
6.3572	9.1841	29.9535	98.6204
5.5654	5.3866	3.5983	46.1208
4.0647	2.7920	6.5775	29.0970
4.4259	1.9968	2.0198	2.9993
5.8569	6.2687	3.4839	50.2645
7.4547	4.8257	18.3789	75.3855
5.3334	6.5570	3.9540	86.3747
3.8558	3.5405	11.2993	27.5844
7.0106	9.3879	18.3228	99.8905
4.2135	3.3218	1.0066	44.0578
4.6251	11.9527	1.5036	20.4515
4.9435	4.0199	1.7955	25.4703
5.3215	6.3684	8.5467	97.1364
5.4114	3.1123	0.9221	52.1409
6.6334	12.1245	21.6413	99.1627
4.1431	5.6659	0.2982	37.6294
4.3307	3.5803	2.2909	34.2266
4.1546	2.8692	4.7986	32.7458
3.8521	5.3842	4.2439	7.1715
3.8050	1.2921	1.4240	41.9319
5.1820	10.7838	1.7016	35.1524
3.9865	4.3522	2.0780	22.0776
4.4478	2.2710	1.0206	34.2745
5.0396	3.4090	1.2983	52.4034
3.6262	2.1307	1.9221	4.3888
7.2789	6.4794	5.3694	57.1013
3.3051	2.3299	1.4281	26.7943
5.8548	5.9696	3.6881	48.4570
5.6191	2.4215	3.3410	40.8430
3.2186	2.6278	1.8546	32.2546
5.4113	6.0882	10.4105	91.8714
7.1185	10.3736	3.4983	95.0165
6.3730	6.3353	3.7162	85.4718
5.1807	5.5353	9.2959	76.7650
5.5001	11.0098	20.8837	85.7105

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
5.3487	4.9604	2.0020	89.9003
4.4484	2.4873	0.9030	10.6568
4.3758	3.3468	12.9703	90.2818
4.8926	9.6789	10.4993	50.9331
5.3570	7.2579	7.7416	95.8494
4.4967	3.7753	2.9328	38.8517
5.9502	6.1586	12.2359	95.2424
5.7267	4.2664	3.0186	18.1894
5.4371	2.3933	1.8384	56.8126
6.6274	4.4358	8.1467	74.2879
5.7517	3.8202	7.5151	62.8089
4.7381	5.7159	2.5051	10.1889
5.9446	4.4231	0.7223	30.7762
4.2196	2.4345	1.2084	29.3051
4.8955	3.0016	5.4535	16.5808
5.4017	3.2367	3.2905	57.0156
4.9972	3.6568	1.6292	37.3091
3.9222	1.5089	0.3664	7.9094
5.5383	2.8610	1.0687	23.6999
4.4513	4.8126	3.6598	43.3277
5.7259	4.2915	7.5791	58.6304
4.7356	2.5117	0.5972	24.1294
6.1403	7.6007	2.9330	36.5989
3.8903	3.2479	1.8080	34.2189
6.0864	6.1610	5.6503	96.6186
4.4831	2.1186	2.7086	26.5589
6.3815	5.7758	10.6818	94.5012
4.2733	3.0328	0.0387	8.0882
5.2874	4.7338	1.3135	63.7530
3.8551	1.7040	1.4063	1.0629
4.1218	5.3185	6.7763	25.0948
3.5545	2.1543	0.6698	33.2837
4.2286	2.1967	0.4814	17.3600
5.3237	6.9896	2.5153	74.6072
6.3277	3.4401	0.3909	15.3528
5.4888	6.2445	4.1210	89.3952
3.8713	2.2006	0.0309	6.7734
5.1144	3.9444	2.6067	67.7472
3.7588	4.1767	0.7627	10.3841
3.7961	2.9076	7.8474	49.8167
4.6348	3.8514	0.8001	25.6542
3.5952	4.4461	3.7993	55.3799
2.8680	2.6565	1.7488	27.3103
5.7129	3.4368	4.5716	36.5531
4.0445	4.6021	7.0721	55.4432
3.9579	2.1930	0.5793	4.9415
6.2168	4.8816	9.0822	56.1508
4.9469	4.3753	1.8554	16.1216

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
5.3693	4.7399	5.6470	83.5292
4.9307	2.5833	9.4715	84.0957
4.4560	3.0352	5.4048	35.7406
5.9323	7.1046	7.0403	85.0279
3.9790	6.0680	0.8512	43.2564
3.5154	2.7292	2.1515	1.2859
6.1105	5.8815	6.6784	15.1604
6.8448	9.0284	6.6338	48.6106
3.8430	2.4586	0.6896	1.2902
4.3986	3.0394	2.9830	38.0815
4.8887	6.9481	4.9383	82.1963
3.9295	2.8053	1.1413	7.5367
3.4675	2.0232	0.3002	13.4195
5.6758	2.8306	1.5760	44.2123
4.4858	1.3444	0.2046	6.2684
4.2121	3.4480	3.5337	18.9397
6.1961	6.3221	2.3450	37.9156
6.1930	6.9290	3.7516	67.8679
2.7049	1.1964	0.8054	39.0894
3.3884	2.2103	0.0722	8.1597
5.9508	5.2189	1.4219	44.2418
4.9796	7.6397	7.0331	71.2813
4.7313	2.9784	2.1337	37.5083
5.7829	7.8493	7.7391	76.4622
6.5104	9.1269	10.2908	89.9877
5.1472	2.9648	1.8476	64.3669
3.8558	3.9651	0.5183	40.2773
5.1086	4.3682	8.2310	81.9631
4.9493	4.5579	4.0044	67.5075
4.0456	2.1504	1.1501	9.2327
5.6102	8.4465	4.5671	81.6015
6.4871	9.4001	14.0462	92.6485
4.5516	4.2745	1.8312	82.9333
3.9946	1.2643	0.3471	4.3997
3.1361	2.0263	0.4304	14.0679
5.6403	3.4628	0.5940	47.0563
6.2531	5.6946	3.9044	89.5361
4.4503	3.9951	6.0468	55.1205
3.8574	3.8913	13.8442	55.0951
4.9111	5.2886	3.5628	39.7586
4.9554	3.7849	1.6482	62.0114
7.2051	10.8770	14.1322	80.4892
5.1684	5.2939	8.2411	72.8166
4.7395	5.9558	13.6714	12.5361
4.9896	4.1284	4.4783	41.6534
4.7629	4.0683	5.7355	25.1576
3.3344	2.7609	5.6044	22.8734
6.4021	3.9268	7.9715	97.1914

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
5.5806	2.6714	7.0751	42.3241
5.4364	5.6077	1.7214	75.6972
5.1617	6.1429	0.2954	43.5201
4.7553	3.5535	1.9945	24.2174
5.3732	4.1589	2.4855	40.4543
4.0740	3.7050	3.3509	10.6580
2.9985	4.0757	2.7367	42.8535
4.1660	4.5996	6.6330	55.3523
5.6170	4.2387	3.7208	22.8376
5.2783	6.2894	9.0909	62.4877
2.0902	0.5300	0.0011	1.7832
5.1087	4.6197	2.6688	34.7657
2.9084	1.8691	1.1658	26.3677
3.4825	2.2372	4.9862	8.1320
5.7440	3.9379	1.3848	43.7723
5.2592	4.2537	10.9457	94.5840
4.7710	5.4618	1.4648	86.3098
5.5902	6.1463	10.4500	96.8749
5.2308	3.3215	2.7369	25.8169
4.5995	6.1170	10.8677	67.6501
4.9385	8.8379	0.9674	35.2327
4.6649	4.7542	4.9202	49.4223
4.8511	8.2429	4.0029	46.6948
4.8364	2.9944	3.0300	10.7193
3.4976	2.4256	0.7330	25.0504
4.7206	3.0407	4.5162	26.6333
3.2985	3.4464	0.4771	19.4801
6.3932	6.4664	4.3365	83.5262
3.8200	1.3592	0.3025	6.6252
4.4384	4.9565	5.2915	41.0732
5.3507	3.1625	7.9017	26.0272
4.0000	4.7646	2.7641	74.6957
5.4330	6.0096	4.6625	82.3199
4.5139	3.5569	0.8778	51.8565
5.4317	6.0135	3.6748	89.4587
4.5646	6.6071	7.1744	26.0347
4.0671	3.2292	1.8262	2.8936
4.9185	6.3132	4.2974	71.7077
4.6545	5.0757	1.8941	48.0275
4.4274	2.4842	3.7567	33.2655
3.7247	1.5022	1.4152	2.3713
5.6097	2.8885	1.2551	78.1813
5.9738	6.8886	4.2460	51.0268
4.6190	5.7702	12.0345	17.9694
5.6868	4.3735	5.7006	36.8392
6.2966	5.8121	7.3159	95.9906
2.8394	2.9841	7.1644	64.2424
3.5444	2.2781	0.2160	3.9989

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
4.6614	4.1409	3.8028	23.4404
3.9162	2.5951	0.6108	46.2730
4.2130	6.0243	5.1780	16.8546
6.1610	6.1139	3.1491	81.9793
5.5890	5.4941	0.4534	48.3120
5.5020	3.6267	3.1829	91.3233
5.2142	4.9267	2.9256	45.7483
5.2273	3.6302	3.4205	38.6836
4.4794	3.1664	1.7119	11.1576
4.1665	3.6430	1.7036	11.8765
4.1803	1.7315	3.2959	79.0497
4.7019	3.6250	0.5579	48.2681
4.8815	7.7999	4.6149	71.3050
5.1242	2.9465	1.4056	53.8937
6.1318	3.4583	14.2188	45.3759
5.8108	5.1975	7.7158	76.8971
4.2233	5.3952	2.3237	22.5892
3.7298	2.0972	0.1175	10.7636
6.1840	9.8911	3.5715	63.7636
3.2952	3.6436	4.9164	7.7817
4.5445	4.2116	3.5777	42.2214
4.7208	3.6460	5.8382	21.5293
4.8731	7.6463	5.4085	83.9571
4.9805	7.2548	3.9350	71.5154
5.4235	5.2802	5.0522	9.3377
5.1507	7.6105	2.9990	69.5531
6.5612	5.6930	3.8215	32.6909
6.2863	7.0230	6.2354	58.8118
6.0242	6.6833	6.7476	98.5655
4.6633	4.8455	9.8941	61.1160
5.9041	7.2750	13.3965	75.9852
5.4866	2.8349	1.4707	19.4995
5.1603	2.5699	14.1172	62.0817
6.6164	5.6539	6.3350	12.9454
6.5864	9.6521	17.2088	99.9460
4.6635	4.0062	5.6516	74.9300
4.5844	1.8864	2.5628	47.6946
4.3989	5.7374	14.8981	88.2281
4.6572	4.0608	1.6687	5.9480
5.7038	4.5780	5.4952	74.1621
4.9636	2.5468	0.2465	20.0219
5.4094	4.0510	5.8004	64.5322
4.0517	2.2423	2.2918	9.4421
5.9301	3.8582	0.2150	31.9141
4.5556	4.7330	9.1908	43.1203
5.8587	5.3449	4.1744	58.7357
4.5514	2.1474	0.9970	40.6418
5.4200	6.5568	2.4955	36.1231

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
4.4755	1.9675	0.7057	22.3589
5.3006	5.8369	5.9715	71.8061
5.2517	6.3418	3.2280	45.0525
4.0873	4.7880	5.3860	58.3032
4.9609	3.0326	0.6316	9.0859
2.3062	0.9221	0.4900	3.2409
4.1286	4.5785	2.1945	43.8398
4.3386	5.6286	1.9344	71.6374
6.0636	12.0240	4.3914	91.9712
4.7716	5.1386	3.2941	43.7895
3.8800	2.8877	0.3319	4.4454
4.6946	3.7269	2.1438	49.2597
5.5590	4.2351	1.1301	12.1576
3.9967	2.6447	2.2592	3.8820
2.4947	2.2489	0.6072	8.7275
4.7336	3.7685	2.5924	26.0603
4.2528	3.7513	4.5338	81.2837
4.1841	2.1661	0.4626	10.0244
7.0177	6.6600	19.9594	92.3222
4.9837	5.0734	3.6306	56.8848
4.7511	4.8093	4.0283	39.8247
2.3210	3.1248	1.1541	6.2297
5.5225	5.7368	3.7051	29.1839
5.2282	4.7907	8.7993	74.9735
2.5905	1.7881	0.1747	1.3318
6.8741	5.2949	2.1260	37.3220
4.4295	3.6915	0.6654	20.6517
4.7254	4.5634	0.5902	18.2899
3.7271	2.2490	3.2682	14.1660
5.4085	2.3255	4.0024	52.8102
4.1973	2.8836	0.6249	30.0272
5.8998	6.5236	0.7555	87.4956
5.9636	3.8971	7.4485	54.2282
6.3033	4.1242	3.2042	56.4233
4.2871	2.3015	0.6166	3.9315
3.7305	5.3955	1.1199	7.0456
6.3085	13.2505	13.7635	99.5290
4.6535	4.4464	2.3527	86.2184
5.7686	10.0545	12.1335	89.5617
6.1971	7.0600	19.1339	99.7721
4.1579	3.3963	2.3156	37.6014
4.9899	5.5360	0.4817	43.5297
4.5608	3.9891	2.6481	21.3061
4.2355	4.5975	0.9468	7.4795
3.7326	3.6924	0.9781	35.4120
2.9433	3.1467	0.4828	28.6346
4.6267	3.6429	2.7903	16.9793
5.4829	6.3890	9.7024	83.3041

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
5.5694	8.0354	2.1101	39.1446
5.4299	7.4836	23.2411	88.5956
3.9345	2.6641	0.8199	25.7962
5.0303	6.7472	3.8427	71.2497
5.5642	5.0928	7.2205	84.4896
4.9892	4.8094	2.5701	63.2414
4.5267	3.1908	3.9912	20.4625
6.8053	6.2559	14.9916	77.8970
5.3563	7.6482	1.4392	65.4921
5.6259	4.4135	0.3204	38.4533
4.6398	5.4934	1.2177	67.4817
4.9166	5.8725	2.8752	54.8621
6.3130	6.2877	5.2846	78.8660
4.4789	3.4721	1.6680	56.3168
4.2964	1.8463	1.1256	26.3638
4.6635	3.1857	5.9409	15.3465
4.6392	2.9624	2.1795	8.8805
4.9425	5.4991	3.0776	84.5503
4.8306	3.5447	1.7609	71.8276
4.3400	4.9981	0.9393	66.4226
5.2126	7.7139	6.2218	92.2807
3.2676	3.3937	0.5618	3.3123
4.8855	3.6384	0.5073	28.5734
4.7537	7.0918	0.3670	54.6055
7.4019	8.7603	11.7912	97.4612
4.8208	2.1134	1.1918	16.6663
5.9179	6.6638	9.4896	41.6963
5.6882	3.8924	3.9489	17.8453
5.9439	5.6299	5.3390	66.0248
4.3621	3.9943	2.5945	64.2185
4.8737	3.1069	4.5804	48.5752
4.3638	3.2084	0.5671	16.0315
5.4184	5.5702	4.6019	48.2651
6.4090	7.6854	19.5228	82.8137
4.8860	4.7242	0.9020	9.4187
5.5749	4.9565	8.4619	86.9208
4.4265	4.6510	1.5848	57.3215
4.4088	2.5953	3.1961	20.7174
3.3171	3.9154	1.7710	58.3053
3.6371	3.1058	0.3598	24.4682
5.4835	8.5965	2.8903	47.6288
3.7382	1.3669	0.4955	2.4075
4.6043	4.8834	3.9296	46.1542
5.4850	3.7134	8.0335	61.4221
4.3187	2.8566	2.1048	26.5149
5.6861	5.2897	1.0042	64.8114
6.2886	5.6106	5.8584	67.7852
4.7658	6.3538	0.4372	58.6840



**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
4.6524	3.8549	2.8486	28.1163
4.5313	3.1555	3.4824	4.3128
4.9463	5.5599	18.9100	80.1156
4.3952	4.2683	1.8131	34.2826
3.5754	2.4425	1.5605	56.4238
4.4320	2.7233	0.6717	7.1439
6.0462	6.6898	8.8659	69.3426
4.0035	4.7046	2.6502	64.8893
4.4474	5.4661	2.2015	86.6185
5.5936	5.9071	3.8779	76.0442
5.0609	4.7339	1.6807	49.6422
3.8079	3.9428	0.6067	45.9856
3.4683	2.0277	0.6311	6.4414
4.2368	3.6991	1.0225	54.6862
3.3645	4.2136	3.1865	73.2347
4.5962	6.6264	3.5893	62.8929
2.7354	2.4277	0.3015	18.7963
7.3794	9.4484	12.3994	98.4330
5.4138	3.3410	1.4122	35.3466
5.8824	6.9850	11.0022	71.5466
3.9943	3.5998	0.5022	29.0619
3.4845	3.5901	0.9943	40.6222
4.3115	5.0654	5.5356	86.2015
4.6090	7.5034	1.4142	9.6431
5.0014	3.7137	2.6457	51.8683
6.2254	8.9682	21.4681	60.3333
5.0435	3.5635	2.8391	42.8320
6.8441	6.8869	16.0654	82.4652
3.7824	4.3344	4.2264	63.2182
5.5896	9.9089	12.9625	97.5932
5.2701	6.9244	5.7509	86.4161
5.0604	3.3213	0.8244	12.4346
5.1939	5.0033	13.3837	23.3195
4.8265	1.6613	3.1417	12.9059
4.7451	3.8774	2.2785	22.9516
5.5156	7.5113	1.2059	80.8519
4.2095	4.2795	10.6428	52.6850
5.6128	3.0667	0.4026	52.4881
7.0201	8.0813	6.3851	97.8892
3.2354	1.6987	0.3928	12.0159
3.1051	2.6167	0.8993	22.8668
3.1110	1.8070	0.0452	11.0117
5.1535	5.5665	0.7923	35.3568
5.5424	3.0535	0.6883	9.8219
5.1003	3.2077	0.6238	30.3214
4.0353	4.0178	4.6518	15.2226
5.2530	1.8860	0.8404	4.8795
7.1078	10.3548	14.9279	93.5396

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
5.5298	6.0964	14.2244	96.1860
6.4585	7.0643	11.0901	91.3141
5.5637	7.7431	3.0680	44.8891
3.9702	3.9366	1.1459	79.7942
3.4621	3.6446	4.9292	22.0530
3.6221	3.1729	3.5060	3.7237
4.4180	3.5927	1.9597	9.3148
5.2795	7.3579	12.0674	45.4489
6.3486	9.1389	19.2100	96.6214
4.7403	5.3971	1.7656	67.3396
4.6460	4.7017	2.2151	41.7562
4.6978	2.1430	0.0786	56.0130
5.2744	4.0731	0.4710	1.9727
3.9224	5.2370	7.5264	81.2259
4.8509	2.2390	3.7127	53.8884
2.6939	1.8392	0.2741	9.5520
4.4274	4.4765	0.5901	42.9818
4.6225	4.9101	1.8699	16.0284
4.5443	3.8300	2.4491	45.8712
4.2385	7.1570	7.9994	75.9248
6.4779	6.4507	5.5247	91.0710
4.3726	3.7656	1.4739	61.7960
5.8506	8.1187	16.4447	93.6966
5.5255	3.7806	5.5035	68.9563
7.5041	7.9435	10.0151	92.2166
4.6493	7.5626	8.1310	26.4764
4.1996	7.2765	3.8560	51.3894
6.6156	6.1194	6.3520	59.4093
5.0178	5.3992	6.8285	37.5867
5.8969	2.8383	1.6962	76.1222
3.1562	1.8952	1.1481	13.9339
5.0152	5.0433	6.0509	72.3671
7.1066	7.3652	7.2288	95.0951
5.1252	4.5361	2.9215	36.8282
3.8444	3.8273	2.0647	26.3624
5.3735	4.5830	1.6279	68.8033
5.4757	4.4917	2.0310	71.4181
6.4942	9.2343	9.2930	65.2690
3.7915	1.3286	2.3079	30.1356
5.1233	4.5234	5.4191	57.6371
6.4724	9.2604	23.8248	99.1323
5.1415	3.2390	0.5072	18.1186
3.5007	4.7912	1.8592	81.7980
4.1430	3.2136	0.9345	12.5802
5.4052	4.2385	0.7356	24.8314
4.9787	4.1478	3.1019	39.1113
5.7227	7.2666	4.8787	72.4824
4.9625	3.4120	0.7848	25.5643



**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
3.9646	7.4355	2.7172	57.9900
4.2310	6.4199	2.6759	43.1038
5.1846	6.4949	3.0574	73.4180
5.7687	4.0362	1.4308	47.1506
6.4265	7.6626	17.8937	99.2521
4.9800	3.0724	5.7920	59.4637
5.6934	6.3015	16.1452	85.1372
4.8974	5.9251	4.9443	98.8736
4.7315	5.2364	1.6660	21.6067
4.7552	3.2945	1.5950	20.1558
4.7512	4.1784	3.2083	84.3682
5.6081	5.0999	2.9281	79.2374
3.4407	3.6996	1.8273	60.3689
3.9667	6.0682	2.2302	35.1482
4.6590	1.8299	1.3220	21.8445
7.0698	5.4738	3.4406	91.0104
4.8815	6.4452	6.0664	36.1370
6.5244	6.8103	8.2079	92.0853
4.5608	3.3472	0.6202	43.6778
5.9953	4.1659	4.0713	29.5994
5.2639	2.9842	2.1460	27.8951
4.1259	8.0568	6.3523	58.6152
6.0681	7.1510	6.6632	83.6678
4.8339	6.5657	1.6486	28.3114
4.2320	4.2138	1.4858	9.1708
4.8706	6.4974	7.7608	77.7640
5.8283	8.6393	7.7931	77.0592
7.7058	8.4648	10.3883	92.5954
4.8310	2.7611	0.4104	44.7878
4.1499	4.0360	0.4309	20.2848
5.0432	3.3621	16.2942	50.9229
4.6017	3.7207	10.7019	44.8785
5.6578	4.8049	1.2580	17.8283
5.2439	4.5786	3.8004	39.3329
6.7751	8.6773	17.8902	88.7659
3.2888	4.7733	1.0166	33.6589
5.5587	5.3421	7.3343	27.6622
6.8157	7.6135	12.2795	81.9274
4.6752	8.8188	4.1780	71.9620
4.3292	2.0766	0.2643	33.3511
5.1833	6.0656	5.6115	39.9452
2.7516	4.3313	2.1264	22.9491
5.9437	8.3844	9.5855	53.5430
6.3323	6.2570	10.9640	99.5734
4.5059	5.8873	5.4498	63.3765
4.5988	5.3586	3.8682	36.8450
5.8650	4.5383	6.2755	57.3979
4.0418	2.1004	0.0830	19.5969

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
4.8596	4.8352	0.7877	80.4079
4.8669	4.7268	3.5291	5.4238
4.9809	4.9274	15.7428	63.2785
2.5109	1.7499	0.0415	17.6202
5.0725	5.8781	2.0867	50.1386
3.8010	4.7140	8.9807	45.0626
5.0338	4.0882	0.3426	83.7010
4.2173	4.7415	3.0421	25.6102
3.1186	2.0148	0.5636	21.6420
5.2726	9.6902	15.4356	59.2457
5.5825	7.9370	3.9218	86.9558
4.7835	2.9123	1.7908	35.5974
6.3255	6.6707	13.6909	81.3556
5.1837	4.4326	2.2325	90.6092
5.2506	3.1125	3.1732	55.5881
3.0861	1.2798	1.0067	5.1677
4.7201	5.0188	7.4983	51.0860
4.6200	4.3153	1.6799	23.0406
5.1742	5.4124	6.7195	89.7436
6.1169	4.8377	2.9539	84.2234
3.1098	2.3786	1.2326	14.2277
6.2715	4.3414	11.9435	91.9751
2.9196	5.4829	0.9192	17.0044
4.9004	4.2580	3.3915	52.7731
5.8339	5.5479	5.9834	45.9196
4.5354	4.0098	0.3516	19.9635
3.9161	4.7628	2.5992	53.2507
5.1652	3.7665	5.9729	8.2936
5.0957	3.8357	1.0479	11.9314
5.6501	4.6126	2.5002	77.8010
5.7384	4.3522	4.7500	44.6683
6.0062	5.4967	7.5192	73.3506
4.8542	10.4094	9.0043	84.5949
4.2506	5.9925	8.2010	46.3563
5.6229	7.1845	2.1790	15.6587
4.8713	2.8571	1.4369	10.6752
4.3151	3.2443	7.6361	48.1850
3.9931	6.5152	0.1070	3.0882
5.9940	6.5349	6.2654	99.2975
4.0521	2.5408	4.5816	24.6800
5.0765	3.9847	2.4252	16.3030
4.8636	4.3978	3.3387	36.3864
5.1874	2.7438	1.5072	31.2370
4.2301	3.1062	4.1870	39.4618
4.0343	3.0427	0.6665	35.8887
3.3345	3.1721	1.0922	19.8445
5.7386	6.4686	0.5591	25.8558
4.7260	3.9474	1.6236	33.8419

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
3.8175	2.6770	1.1699	5.8997
5.0179	4.2605	3.5877	50.2955
4.3886	6.3182	5.6274	85.1058
4.9852	3.3697	1.9138	22.9534
5.6550	6.5180	2.6100	71.0985
5.2419	3.6510	0.6815	82.1060
3.8223	3.2240	4.1642	34.1504
5.0122	10.6012	14.8780	53.7041
6.1613	10.4894	16.7571	77.3114
5.0614	7.2241	2.8839	60.5894
3.5309	1.7368	0.4959	1.6815
5.2832	7.5443	5.5884	33.9353
4.4307	6.6275	4.6197	37.2641
4.3877	3.1784	1.3486	43.2338
6.4244	9.5408	6.5965	60.5055
5.8306	6.6174	13.6161	32.8053
7.3163	6.7197	12.2865	99.1090
3.2852	3.3212	1.8469	27.9120
5.5484	8.9035	2.4008	55.4313
5.2816	5.1759	2.4495	97.3024
5.1060	8.3716	4.7379	75.9832
6.8992	11.8253	10.6877	88.3852
5.0245	5.3603	1.1615	63.7145
5.8643	4.6093	12.0790	89.7315
5.4873	6.0577	3.8901	40.7901
5.0125	3.6831	3.9150	22.2020
5.7429	2.7119	1.6727	85.5968
5.4931	3.4119	5.0126	61.6703
5.0311	5.0418	5.1928	49.0230
4.2993	1.8029	0.1215	15.0461
5.7850	7.4406	3.7952	63.4349
4.9014	2.7503	2.5441	28.5939
5.8492	4.1209	6.1196	52.5412
4.4552	5.2222	1.4325	49.8798
4.4700	6.8109	2.5332	27.9460
6.6331	9.7085	14.8180	74.4447
7.0808	10.6844	8.1588	98.0989
5.2494	3.3274	2.1063	32.8308
5.0768	3.4170	1.1494	17.1648
4.1959	3.1322	0.3214	2.0181
6.3750	7.3749	16.0049	40.5109
4.9899	7.3987	10.2792	91.5421
5.2459	3.5830	3.0938	89.5071
3.4567	4.9507	2.0683	20.6020
4.5082	3.2965	0.8073	37.5056
6.4441	6.9292	4.7369	73.7321
4.5321	5.7334	3.1540	89.2406
5.1940	3.1824	6.9310	22.0992

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
2.8619	2.4051	0.6982	1.0203
7.1717	8.0467	6.3700	78.4378
4.4161	3.8131	3.0964	9.7559
3.5836	2.7838	1.1513	10.3998
4.4880	2.2797	2.6879	36.1167
6.6592	4.8104	5.9131	49.0964
4.4444	2.3297	6.1846	83.7845
3.6997	3.6255	1.6890	17.3179
3.2718	3.8248	1.2887	4.5764
6.7310	8.5553	13.2407	68.7754
4.5864	4.0662	5.2325	27.2426
4.2758	4.4071	6.8166	75.6939
4.0750	3.7432	1.9049	41.1647
4.5326	8.0753	6.3280	64.5968
7.3066	8.2356	19.2058	95.1476
5.7226	9.2564	15.1250	74.2220
3.7608	1.3788	2.4178	20.2489
6.1103	4.3893	7.9040	67.4700
3.9521	3.2638	1.0440	37.2726
4.5137	3.5099	5.6474	14.5743
2.8875	4.9979	0.1438	4.0808
5.8123	5.0094	9.3176	81.0283
4.9000	4.6345	16.2433	87.4613
4.9067	5.7212	0.9131	21.7206
6.4024	5.5564	3.4011	22.3236
4.8424	6.0126	3.7482	86.2619
3.0421	3.0974	0.8746	26.1601
5.0024	5.0030	9.9620	69.0764
3.9631	2.9358	4.8598	19.3886
5.8160	6.2418	6.0845	59.9791
3.6983	5.2081	0.7591	80.3370
4.2118	5.6590	3.4743	30.3760
4.6650	7.2050	3.9377	66.4576
5.7078	3.8873	2.6438	21.6843
3.5340	4.5171	2.6223	93.6030
4.5080	2.8870	2.1747	71.7578
5.5718	4.0558	9.3600	85.1965
3.1445	3.2745	3.4813	4.3985
6.1189	2.9186	6.6036	49.1933
3.9670	3.9634	2.9076	47.4192
4.9739	5.4826	3.1715	27.9606
4.1165	3.0480	5.4500	21.1600
6.2645	5.8395	9.5541	69.9771
5.4923	3.5465	3.4815	25.5298
3.5324	2.8711	1.5808	4.5984
5.4578	2.7293	4.2741	8.8853
5.6423	7.4589	13.9889	94.6267
6.0414	7.6464	4.0329	98.1517

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
5.5011	5.0679	1.6170	68.7802
4.0683	2.3692	1.9946	5.2928
6.7171	6.5305	11.2464	86.3723
2.4386	1.8831	0.3951	36.0025
4.4951	6.1775	6.3945	49.1458
5.1204	3.3654	1.4078	41.4995
5.6577	8.2436	7.1032	44.5406
4.7742	4.7560	0.9691	37.5743
4.4385	4.8971	2.3257	96.7992
4.3280	3.1195	1.4745	19.5651
3.4247	4.1343	2.2553	26.0453
4.0754	5.0169	5.8747	19.6199
4.1139	2.3069	0.3191	21.4894
6.0770	2.2483	7.8438	97.0621
3.7431	3.5227	0.5187	32.2723
4.6746	4.1783	18.4857	48.0621
4.5964	2.1544	8.5290	70.2729
6.4464	6.1811	10.0835	67.3651
5.1894	2.3629	0.2528	16.2950
6.0209	7.8043	3.7784	81.2571
5.2151	5.3983	0.5742	5.1010
5.5465	5.6579	0.8448	60.2017
3.4420	4.1954	5.5443	44.1226
4.6989	5.4573	3.6998	28.1732
3.9120	2.8709	5.5410	34.0193
4.1827	3.6668	0.0783	16.8424
5.1359	3.9565	0.2534	46.3403
5.8028	3.1873	10.6491	41.8760
4.8107	4.9380	7.5588	36.8250
5.5684	8.8880	9.8980	43.7013
4.9624	5.6612	6.2125	28.0446
2.7765	4.6236	0.8388	28.6544
3.4344	3.2854	2.5776	21.5837
6.0727	4.8172	6.2271	79.5027
4.3931	5.2565	12.2902	44.2952
5.0592	5.4594	6.9189	67.4882
5.3840	5.1788	5.6869	92.5184
3.1572	2.5047	2.6405	9.1400
4.1856	4.6925	0.4439	11.7815
3.3624	3.4458	1.0618	19.3133
3.9425	2.1190	0.4979	17.7981
6.8513	8.8888	16.0846	77.8316
3.2052	2.3394	0.4258	36.7338
4.7043	3.4606	5.6320	45.9667
6.4420	6.8053	6.5467	77.9055
4.3412	2.5828	4.7962	16.8478
5.1422	2.4841	4.3333	40.9477
5.3685	4.5519	3.4845	22.6705

**APPENDIX 2: Continued**

Closure Area	Net Pay	Porosity	Oil Saturation
2.6584	2.6877	1.8233	25.5542
4.8208	4.6638	15.4430	93.7574
5.7638	6.4264	2.3897	26.5982
5.0642	2.7366	2.7465	61.1706
2.7304	5.0755	2.0258	65.0611
5.2675	5.3171	8.8296	61.5943
5.2379	6.1862	4.3085	92.5896
4.3314	4.8485	1.7951	25.1349
7.7324	7.5604	11.2660	89.9012
4.7081	3.8820	1.3992	45.6384
6.1205	4.7242	6.0156	58.1243
3.3399	4.2507	0.5197	39.0132
5.0266	3.6295	2.3419	9.3321
4.0321	3.5379	0.8948	51.4847
4.5778	3.3891	6.7092	69.4444
4.0503	3.7464	0.1607	49.0786
5.3301	3.2299	1.9141	10.1713
4.5490	3.2796	1.7765	65.5818
6.7038	4.8736	9.4036	56.1778
5.4956	3.6942	2.9404	13.1931
4.9804	4.9347	4.8343	22.6919
4.6292	1.7172	5.8459	34.3402
5.3209	6.2338	7.5300	65.2599
4.5379	4.0854	9.2843	51.2470
5.2253	5.7635	5.3284	9.1338
7.3829	8.2730	15.0092	99.8305
4.2819	5.2117	0.7500	6.0627
5.0682	7.2120	10.9560	49.8129
5.7124	3.5234	2.5877	76.6760
5.0595	5.7554	3.2857	56.4920
6.2377	7.6461	8.5831	85.2335
5.4780	5.4172	3.4463	75.1528
4.4925	8.4088	8.9921	72.0042
5.3676	5.5703	3.1183	64.7264
5.4015	3.9419	0.6747	47.5937
6.8936	5.1440	12.8112	88.8023
3.0607	3.7858	0.0359	10.4270
5.7514	4.4776	7.2894	72.7529
4.0508	5.1271	6.7681	43.8588
5.3066	6.6198	4.6260	64.8168
5.4484	9.6717	15.3077	79.7563
6.5437	6.7398	10.5258	99.4909
6.0558	3.6188	3.0967	86.6906
3.7876	3.1938	1.6313	12.8245
4.6038	4.6257	4.3155	57.3403
6.7076	4.5355	6.7822	64.4561
4.0582	8.1692	4.5298	70.0447
5.5005	4.0654	3.3437	71.0248

**APPENDIX 2: Continued**

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Closure Area	Net Pay	Porosity	Oil Saturation
5.8521	5.2603	6.9186	31.5951
6.8628	8.0447	17.0214	88.4260
4.6570	3.5774	2.2842	34.7767
5.4093	2.9032	4.5794	92.4427
5.3358	3.9279	1.5153	38.5841
4.9254	2.0005	2.1931	51.6031
6.3929	6.9145	2.5552	90.0348
4.0746	1.7644	1.0105	25.8176
3.5484	2.6439	0.3986	5.0505
5.0091	3.2778	2.2447	63.8217
4.8874	5.9128	2.2911	20.9711
4.2261	4.0082	0.5922	20.6640
5.2797	8.1253	4.5903	68.0314
4.7785	4.5644	0.5329	14.6733
5.3551	7.5242	7.8597	51.6092
5.9051	6.9713	2.9417	47.4233
3.9152	3.2070	1.3239	32.8945
6.2977	11.3065	17.1628	98.2431
4.2529	3.0809	3.3529	7.6036
5.9452	7.3339	5.7036	37.9653
5.1324	3.7345	2.1677	33.0093
5.1517	4.0124	2.6084	47.2616
5.5417	3.0994	4.3353	47.5132
4.2214	1.9493	0.4509	16.4448
4.0313	3.9029	1.6823	60.3060
4.5251	5.3335	6.4394	82.4618
4.2946	3.6703	0.9223	9.2869
4.6750	6.3092	1.9150	59.6994
4.6368	3.2576	0.5696	86.3043
4.7833	3.6610	3.4059	63.2867
5.9134	6.9468	8.3444	61.2282
5.4896	9.5425	4.1691	94.2559
5.0950	3.3297	5.7021	55.7142
5.5436	9.5034	4.3331	96.6979
4.6499	3.2566	4.1937	70.0949
5.6686	4.8864	1.8803	30.8456
4.2528	4.8310	5.0565	52.1318
5.5828	3.1273	2.3862	54.5954
4.3870	3.2820	3.2209	17.1801
4.6778	4.6919	2.4499	29.1523
5.5045	1.6099	3.5081	23.8296
6.2646	10.7452	13.0694	92.0877
4.2379	2.8627	1.7231	21.7299
4.3560	4.0626	2.3410	13.5641
6.2132	3.4585	1.0000	19.6690

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