

Renaissance Petroleum, PL14-0103  
 Fluid Production and Truck Traffic Analysis  
 Production data from DOGGR Wellfinder Website  
 Compiled July 2017 by Brian R. Boca, CEG

Average haul days per month = 26  
 Average Truck capacity (bbls) = 120.8

Vol. fluid (2013-2014)  
 Truckloads (2013-14)

80232  
 664

Produced Fluid (BBLs)

Year	Month	Rosenmund #1 API 11121912	Rosenmund #2 API 11121913	Rosenmund #3 API 11121914	Rosenmund #4 API 11121934	Rosenmund #5 API 11122022	Rosenmund #6 API 11122085	Rosenmund #7 API 11122135	Rosenmund #8 API 11122136	Naumann #1 API 11122191	Total (bbls)	2013-2014 Actual Truckloads	Calculated Monthly Truckloads	One-way truck trips	Average Daily Trips	
															(28 days/month)	(30 days/month)
2014	Dec	0	1450	13	0	1436	607	104	258	1503	5373		44.5	88.9	3.4	3.0
	Nov	0	1522	29	0	1499	593	32	210	2614	6618		54.8	109.5	4.2	3.7
	Oct	0	1376	14	0	1434	637	5	244	2335	5945		49.2	98.4	3.8	3.3
	Sept	0	1536	5	0	1455	745	143	300	2447	6014		49.9	99.7	3.8	3.3
	Aug	0	1503	0	0	1362	685	10	270	2420	7249		60.0	120.0	4.6	4.0
	July	0	1344	0	0	1526	684	18	269	3333	7179	56	59.4	118.8	4.8	4.0
	June	0	1445	0	0	1443	742	11	268	3151	7060	60	58.4	116.9	4.5	3.9
	May	0	1436	0	0	1615	674	11	312	3473	7519	61	62.2	124.3	4.9	4.1
	Apr	0	1370	0	0	1794	694	9	285	3118	7284	60	60.1	120.2	4.6	4.0
	Mar	0	1452	0	0	1684	605	7	303	3140	7192	59	59.5	119.0	4.6	4.0
	Feb	0	1471	0	0	1143	687	17	300	2904	6522	55	54.0	108.0	4.2	3.6
2013	Jan	0	1485	0	0	1510	705	14	287	3419	7445	61	61.6	123.2	4.7	4.1
	Dec	0	1743	0	0	1349	746	33	0	66	4177	33	34.2	68.3	2.8	2.3
	Nov	0	1529	0	0	1414	741	15	171	2445	6315	56	52.3	104.5	4.0	3.5
	Oct	0	1692	0	0	1614	820	74	339	2916	7405	59	61.3	122.6	4.7	4.1
	Sept	0	1512	0	0	1352	674	19	328	2065	5950	52	49.2	98.4	3.8	3.3
	Aug	0	1726	0	0	1588	758	28	374	1771	6237	32	51.3	102.6	4.0	3.5
	July	0	1699	0	0	1510	515	95	118	2996	6931		57.4	114.7	4.4	3.9
	June	0	1648	0	0	1551	617	18	0	420	4254		35.2	70.4	2.7	2.3
	May	0	1849	0	0	1635	817	27	0	1041	5366		44.4	88.8	3.4	3.0
	Apr	0	1941	0	0	1865	836	40	0	862	5644		46.7	93.4	3.6	3.1
	Mar	0	2049	0	0	1923	815	58	0	944	5769		47.8	95.6	3.7	3.2
	Feb	0	1518	0	0	1713	914	0	0	877	5037		41.7	83.4	3.2	2.8
2012	Jan	0	1492	0	0	1054	1046	0	0	549	5141		42.5	85.1	3.3	2.8
	Dec	0	2413	0	0	2275	1295	0	0	1187	7170		59.3	118.7	4.6	4.0
	Nov	0	2385	0	0	2281	1200	0	0	1173	7047		58.3	116.6	4.5	3.9
	Oct	0	1800	0	0	2270	1199	0	0	951	6717		55.6	111.2	4.3	3.7
	Sept	0	2379	0	0	2189	1514	0	0	1185	6667		56.8	113.7	4.4	3.8
	Aug	0	2796	0	0	2011	1054	0	0	1393	7254		60.0	120.1	4.8	4.0
	July	0	2606	0	0	2037	1139	0	0	1251	7073		58.1	117.3	4.5	3.9
	June	0	2835	0	0	2000	1233	0	0	1104	7172		59.4	118.7	4.6	4.0
	May	0	2220	0	0	1454	1269	0	0	871	5916		49.0	97.9	3.8	3.3
	Apr	0	2889	0	0	1677	779	0	0	1018	6563		54.3	108.6	4.2	3.6
	Mar	188	3186	0	0	2833	733	0	0	1357	8300		68.7	137.4	5.3	4.6
	Feb	0	3157	0	0	2731	1393	0	0	860	4161		67.5	135.1	5.2	4.5
2011	Jan	0	3237	0	0	3466	1375	0	0	1542	9620		79.6	159.2	6.1	5.3
	Dec	0	3690	0	0	3643	1255	0	0	1303	8891		78.6	147.1	5.7	4.9
	Nov	0	3649	0	0	1516	1751	0	0	1349	7505		80.5	120.9	4.7	4.0
	Oct	0	3233	0	0	2737	1419	0	0	1613	9013		74.6	149.2	5.7	5.0
	Sept	0	2750	0	0	4185	140	0	0	1186	8262		68.4	136.8	5.3	4.6
	Aug	0	2405	0	0	4200	1892	0	0	1117	9817		81.2	162.4	6.2	5.4
	July	0	3554	0	0	5919	1907	0	0	1304	12734		105.4	210.8	8.1	7.0
	June	0	3336	0	0	4305	0	0	0	1738	8879		73.5	147.0	5.7	4.9
	May	0	3112	0	0	5475	0	0	0	1207	9614		81.2	162.4	6.2	5.4
	Apr	0	4476	0	0	5581	0	0	0	1192	11249		93.1	186.7	7.2	6.2
	Mar	0	1577	0	0	5918	0	0	0	1284	10759		89.0	178.1	6.8	5.9
	Feb	0	3341	0	0	5540	0	0	0	970	8851		81.5	163.1	6.1	5.4
	Jan	0	3883	0	0	6082	0	0	0	1573	12338		102.1	204.7	7.9	6.8
2010	Dec	0	4160	0	0	7997	0	0	0	1524	13885		113.3	226.4	8.7	7.5
	Nov	0	4541	0	0	9596	0	0	0	1225	15383		127.1	254.3	9.8	8.5
	Oct	0	4282	0	0	9835	0	0	0	1285	15345		127.0	254.0	9.8	8.5
	Sept	0	3977	0	0	4838	0	0	0	1200	9415		77.9	155.8	6.0	5.2
	Aug	0	3258	0	0	7183	0	0	0	1300	11743		97.2	194.3	7.5	6.5
	July	0	4105	0	0	4266	0	0	0	787	9158		75.8	151.6	5.8	5.1
	June	0	3936	0	0	0	0	0	0	1511	5467		45.7	90.5	3.5	3.0
	May	0	4159	0	0	0	0	0	0	1423	5592		46.3	92.6	3.6	3.1
	Apr	0	3911	0	0	0	0	0	0	1893	5866		48.1	96.1	3.7	3.2
	Mar	0	4340	0	0	0	0	0	0	2961	6101		52.1	104.3	4.0	3.5
	Feb	0	3665	0	0	0	0	0	0	1848	5111		44.0	87.9	3.4	2.9
	Jan	0	4421	0	0	0	0	0	0	2168	6549		54.3	109.1	4.2	3.6

Existing Daily Trips (baseline = 1 well at Naumann and 8 wells at Rosenmund) 4.9  
 Average Daily Trips/well (4.9 ADT/9 wells) = 0.544  
 Estimated additional ADT with 4 new wells at Naumann Drilbite = 2.176  
 Estimated future ADT with installation of 7 permitted wells at Rosenmund Drilbite = 3.808

Total ADT at buildout = 10.9

Total truck trips (2010-2014) = 7715.5  
 Total trucking days (2010-2014) = 1560  
 Average Daily Trips (2010-2014) = 4.9