

# GEOLOGIC ECONOMIC RESOURCE MODEL MODULE PSRK

Geologic Economic Resource Model (Ver 8.29.2005)

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The Current UAI AAAAADBC is for

World Level - World Level Resources  
Country Level - UNITED STATES OF AMERICA  
Region Level - MMS - ALASKA REGION  
Basin Level - CHUKCHI SEA SHELF  
Play Level - Play 28 - Hope - Shallow Basal Sands (HB Play 3)  
Geologist Kirk W. Sherwood  
Remarks 2005 Assessment  
Run date Date 16-SEP-05 Time 13:03:32

## USER SUPPLIED PARAMETERS

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RECOVERABLE RESOURCES? > R

## B) Pool Size Distribution

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Z PROB.

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EXPECTATION = 27288.

S.D. = 32857.

MU = 9.7412

SIG.SQ. = 0.99125

Prob. BOE (MBbl) Oil (MBbl) COil(MBbl) Gas (MMcf) SGas(MMcf)

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Mean	%	27288.	1459.8	3168.9	0.12603E+06	1319.6
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353	
TPF 99.00%	1441.4	46.389	169.88	6843.6	41.794	
TPF 98.00%	1960.4	63.090	231.04	9307.4	56.840	
TPF 97.00%	2407.5	77.480	283.73	11430.	69.804	
TPF 96.00%	2792.0	89.855	329.05	13256.	80.954	
TPF 95.00%	3142.5	101.14	370.36	14920.	91.116	
TPF 90.00%	4697.6	151.18	553.64	22303.	136.21	
TPF 85.00%	6116.2	222.30	717.91	28889.	199.66	
TPF 80.00%	7484.3	290.89	876.34	35241.	260.86	
TPF 75.00%	8872.8	377.59	1036.5	41578.	340.30	
TPF 70.00%	10334.	468.83	1205.0	48246.	423.89	
TPF 65.00%	11890.	533.92	1388.2	55538.	482.83	
TPF 60.00%	13574.	604.36	1586.5	63428.	546.60	
TPF 55.00%	15469.	702.57	1809.1	72191.	630.65	
TPF 50.00%	17523.	808.99	2050.4	81687.	721.73	
TPF 45.00%	19847.	988.21	2308.7	92117.	891.87	
TPF 40.00%	22473.	1190.8	2600.7	0.10391E+06	1084.2	
TPF 35.00%	25524.	1361.2	2960.6	0.11792E+06	1233.3	
TPF 30.00%	29214.	1567.3	3396.1	0.13488E+06	1413.7	

TPF	25.00%	33752.	1954.3	3890.1	0.15506E+06	1781.6
TPF	20.00%	39372.	2433.5	4501.9	0.18006E+06	2237.2
TPF	15.00%	47245.	2745.7	5459.1	0.21691E+06	2500.2
TPF	10.00%	58987.	3211.3	6886.7	0.27186E+06	2892.4
TPF	5.00%	81887.	5545.4	9367.7	0.37133E+06	5067.5
TPF	4.00%	90475.	6420.7	10298.	0.40863E+06	5883.2
TPF	3.00%	0.10161E+06	7555.5	11504.	0.45698E+06	6940.6
TPF	2.00%	0.11954E+06	9383.1	13447.	0.53486E+06	8643.8
TPF	1.00%	0.15514E+06	13012.	17304.	0.68949E+06	12025.
TPF	0.10%	0.34008E+06	31861.	37339.	0.14927E+07	29590.
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

### C) No.of Pools Distribution

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Lower Support = 0  
Upper Support = 25  
Expectation = 2.65  
Standard Deviation= 3.69

Rank 1 39.93% 75841. 72380.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	39.93%	75841.	4929.2	8712.7	0.34507E+06	4493.3
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	10511.	476.22	1225.8	49074.	430.58
TPF	98.00%	13730.	612.43	1604.8	64148.	553.51
TPF	97.00%	16058.	733.06	1878.3	74912.	656.74
TPF	96.00%	17884.	836.83	2090.5	83307.	748.16
TPF	95.00%	19463.	958.61	2266.1	90394.	863.77
TPF	90.00%	25410.	1354.8	2947.2	0.11740E+06	1227.7
TPF	85.00%	30175.	1649.2	3500.6	0.13915E+06	1491.6
TPF	80.00%	34297.	2000.8	3949.4	0.15748E+06	1825.8
TPF	75.00%	38150.	2329.3	4368.9	0.17462E+06	2138.2
TPF	70.00%	42063.	2540.2	4829.1	0.19265E+06	2327.1
TPF	65.00%	45778.	2687.5	5280.8	0.21004E+06	2451.2
TPF	60.00%	49849.	2848.9	5775.7	0.22909E+06	2587.2
TPF	55.00%	54068.	3016.3	6288.7	0.24884E+06	2728.1
TPF	50.00%	57836.	3165.7	6746.8	0.26648E+06	2854.0
TPF	45.00%	63381.	3659.2	7362.8	0.29095E+06	3309.8
TPF	40.00%	69434.	4276.1	8018.5	0.31724E+06	3884.7
TPF	35.00%	74994.	4842.8	8620.8	0.34139E+06	4412.8
TPF	30.00%	80135.	5366.8	9177.8	0.36372E+06	4901.1
TPF	25.00%	87566.	6124.2	9982.8	0.39599E+06	5606.9
TPF	20.00%	97562.	7143.0	11066.	0.43941E+06	6556.3
TPF	15.00%	0.11150E+06	8563.7	12576.	0.49995E+06	7880.2
TPF	10.00%	0.13426E+06	10884.	15042.	0.59882E+06	10042.
TPF	5.00%	0.20200E+06	17788.	22381.	0.89304E+06	16476.
TPF	4.00%	0.23440E+06	21090.	25890.	0.10337E+07	19553.
TPF	3.00%	0.26645E+06	24357.	29362.	0.11730E+07	22597.
TPF	2.00%	0.29817E+06	27590.	32798.	0.13107E+07	25610.
TPF	1.00%	0.32956E+06	30789.	36199.	0.14470E+07	28591.
TPF	0.10%	0.82411E+06	81195.	89776.	0.35951E+07	75564.
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 2 39.49% 38353. 23980.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	39.49%	38353.	2346.6	4391.0	0.17552E+06 2154.6
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF 99.00%	4949.2	163.80	582.78	23472.	147.46
TPF 98.00%	6889.1	261.05	807.42	32478.	234.23
TPF 97.00%	8302.4	341.97	970.69	38975.	307.66
TPF 96.00%	9462.2	414.39	1104.4	44268.	374.02
TPF 95.00%	10459.	474.06	1219.7	48832.	428.63
TPF 90.00%	14338.	643.94	1676.3	66960.	580.48
TPF 85.00%	17310.	797.95	2025.4	80702.	712.28
TPF 80.00%	19879.	990.69	2312.3	92262.	894.23
TPF 75.00%	22243.	1173.0	2575.1	0.10287E+06	1067.3
TPF 70.00%	24526.	1305.4	2842.9	0.11334E+06	1184.5
TPF 65.00%	26765.	1430.5	3107.1	0.12362E+06	1294.0
TPF 60.00%	28952.	1552.7	3365.2	0.13367E+06	1400.9
TPF 55.00%	31341.	1748.7	3627.6	0.14433E+06	1586.1
TPF 50.00%	33604.	1941.7	3874.0	0.15440E+06	1769.6
TPF 45.00%	36197.	2162.7	4156.2	0.16593E+06	1979.8
TPF 40.00%	38690.	2375.3	4427.7	0.17702E+06	2181.9
TPF 35.00%	41772.	2528.7	4793.7	0.19129E+06	2317.4
TPF 30.00%	45037.	2658.1	5190.6	0.20657E+06	2426.4
TPF 25.00%	48757.	2805.7	5643.0	0.22398E+06	2550.7
TPF 20.00%	53585.	2997.1	6230.0	0.24658E+06	2712.0
TPF 15.00%	58555.	3194.2	6834.2	0.26984E+06	2878.0
TPF 10.00%	68524.	4183.4	7919.9	0.31328E+06	3798.3
TPF 5.00%	80590.	5413.2	9227.1	0.36569E+06	4944.3
TPF 4.00%	84804.	5842.7	9683.7	0.38400E+06	5344.6
TPF 3.00%	90759.	6449.7	10329.	0.40986E+06	5910.2
TPF 2.00%	99513.	7341.9	11277.	0.44788E+06	6741.6
TPF 1.00%	0.11587E+06	9009.0	13049.	0.51892E+06	8295.1
TPF 0.10%	0.22229E+06	19856.	24579.	0.98116E+06	18403.
TPF 0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 3 38.14% 25732. 15346.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	38.14%	25732.	1372.8	2985.2	0.11888E+06 1243.5
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF 99.00%	2847.2	91.630	335.55	13518.	82.553
TPF 98.00%	3980.7	128.11	469.14	18899.	115.42
TPF 97.00%	4918.8	162.27	579.25	23330.	146.10
TPF 96.00%	5696.0	201.23	669.25	26939.	180.87
TPF 95.00%	6386.0	235.83	749.16	30142.	211.73
TPF 90.00%	9066.6	389.69	1058.8	42462.	351.39
TPF 85.00%	11193.	504.76	1306.1	52271.	456.43
TPF 80.00%	13051.	582.46	1524.9	60975.	526.77
TPF 75.00%	14804.	668.08	1731.0	69114.	601.13
TPF 70.00%	16471.	754.45	1926.8	76821.	675.05
TPF 65.00%	18079.	851.90	2112.3	84185.	762.47

TPF	60.00%	19677.	975.14	2289.9	91356.	879.46
TPF	55.00%	21334.	1102.9	2474.1	98793.	1000.8
TPF	50.00%	22989.	1219.6	2661.6	0.10628E+06	1109.4
TPF	45.00%	24745.	1317.7	2868.8	0.11434E+06	1195.3
TPF	40.00%	26637.	1423.4	3092.0	0.12304E+06	1287.7
TPF	35.00%	28652.	1535.9	3329.7	0.13229E+06	1386.2
TPF	30.00%	30983.	1718.2	3588.7	0.14274E+06	1557.1
TPF	25.00%	33470.	1930.2	3859.3	0.15380E+06	1758.7
TPF	20.00%	36580.	2195.4	4197.9	0.16764E+06	2010.8
TPF	15.00%	40195.	2466.1	4602.0	0.18391E+06	2264.7
TPF	10.00%	45487.	2676.0	5245.4	0.20868E+06	2441.5
TPF	5.00%	54429.	3030.6	6332.6	0.25053E+06	2740.2
TPF	4.00%	56892.	3128.3	6632.1	0.26206E+06	2822.5
TPF	3.00%	60364.	3351.7	7035.9	0.27784E+06	3023.2
TPF	2.00%	66909.	4018.8	7745.0	0.30627E+06	3644.9
TPF	1.00%	75694.	4914.1	8696.7	0.34443E+06	4479.3
TPF	0.10%	0.10572E+06	7974.5	11950.	0.47484E+06	7331.1
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 4 35.35% 18910. 11474.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	35.35%	18910.	915.94	2204.6	87912.	823.27
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	1934.9	62.272	228.04	9186.7	56.103
TPF	98.00%	2709.0	87.185	319.28	12862.	78.548
TPF	97.00%	3302.5	106.29	389.22	15680.	95.756
TPF	96.00%	3812.5	122.70	449.32	18101.	110.54
TPF	95.00%	4297.4	138.30	506.47	20403.	124.60
TPF	90.00%	6269.3	229.98	735.64	29600.	206.51
TPF	85.00%	7838.2	312.98	917.15	36856.	281.11
TPF	80.00%	9233.2	400.09	1078.0	43222.	360.92
TPF	75.00%	10538.	477.38	1229.0	49203.	431.63
TPF	70.00%	11792.	529.83	1376.7	55080.	479.13
TPF	65.00%	13042.	582.07	1523.8	60932.	526.42
TPF	60.00%	14304.	642.17	1672.2	66802.	578.96
TPF	55.00%	15577.	708.13	1821.8	72688.	635.41
TPF	50.00%	16896.	776.49	1976.7	78787.	693.91
TPF	45.00%	18266.	866.29	2133.0	85022.	776.13
TPF	40.00%	19696.	976.59	2292.0	91441.	880.84
TPF	35.00%	21287.	1099.3	2468.9	98584.	997.37
TPF	30.00%	22987.	1219.5	2661.3	0.10627E+06	1109.3
TPF	25.00%	24931.	1328.1	2890.7	0.11520E+06	1204.3
TPF	20.00%	27279.	1459.2	3167.7	0.12598E+06	1319.1
TPF	15.00%	30137.	1646.0	3496.5	0.13898E+06	1488.5
TPF	10.00%	33966.	1972.5	3913.4	0.15601E+06	1798.9
TPF	5.00%	40279.	2469.4	4612.2	0.18430E+06	2267.5
TPF	4.00%	42477.	2556.6	4879.4	0.19459E+06	2340.9
TPF	3.00%	45019.	2657.4	5188.5	0.20649E+06	2425.8
TPF	2.00%	48570.	2798.2	5620.3	0.22311E+06	2544.5
TPF	1.00%	55027.	3054.3	6405.2	0.25333E+06	2760.1
TPF	0.10%	76976.	5044.9	8835.6	0.35000E+06	4601.1
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 5 30.96% 14699. 9107.2

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	30.96%	14699.	662.63	1718.6	68627.	596.47
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353	
TPF 99.00%	1492.8	48.044	175.94	7087.7	43.284	
TPF 98.00%	2036.4	65.537	240.00	9668.4	59.045	
TPF 97.00%	2490.1	80.137	293.47	11822.	72.198	
TPF 96.00%	2874.3	92.504	338.75	13647.	83.340	
TPF 95.00%	3214.6	103.45	378.85	15262.	93.206	
TPF 90.00%	4670.9	150.32	550.49	22176.	135.43	
TPF 85.00%	5885.1	210.71	691.15	27817.	189.32	
TPF 80.00%	6976.1	265.41	817.49	32882.	238.13	
TPF 75.00%	7999.6	323.06	935.77	37593.	290.34	
TPF 70.00%	8983.2	384.48	1049.2	42082.	346.61	
TPF 65.00%	9969.3	446.06	1162.9	46582.	403.03	
TPF 60.00%	10961.	495.06	1278.8	51184.	447.64	
TPF 55.00%	11957.	536.70	1396.1	55849.	485.34	
TPF 50.00%	13011.	580.81	1520.2	60791.	525.28	
TPF 45.00%	14119.	632.61	1650.6	65949.	570.78	
TPF 40.00%	15301.	693.87	1789.4	71415.	623.20	
TPF 35.00%	16587.	760.46	1940.4	77357.	680.20	
TPF 30.00%	17974.	843.80	2100.6	83713.	754.78	
TPF 25.00%	19554.	965.62	2276.2	90803.	870.43	
TPF 20.00%	21425.	1110.0	2484.2	99203.	1007.5	
TPF 15.00%	23710.	1259.9	2746.7	0.10959E+06	1144.7	
TPF 10.00%	26810.	1433.0	3112.4	0.12383E+06	1296.2	
TPF 5.00%	31938.	1799.6	3692.6	0.14699E+06	1634.5	
TPF 4.00%	33445.	1928.1	3856.6	0.15369E+06	1756.7	
TPF 3.00%	35554.	2107.9	4086.2	0.16307E+06	1927.7	
TPF 2.00%	38268.	2339.3	4381.7	0.17514E+06	2147.7	
TPF 1.00%	43231.	2586.5	4971.1	0.19812E+06	2366.1	
TPF 0.10%	58666.	3198.6	6847.7	0.27036E+06	2881.7	
TPF 0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.	

Rank 6 25.40% 11923. 7494.5

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	25.40%	11923.	535.29	1392.1	55691.	484.06
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353	
TPF 99.00%	1061.3	34.156	125.08	5038.9	30.773	
TPF 98.00%	1652.8	53.191	194.79	7847.1	47.922	
TPF 97.00%	2005.2	64.532	236.32	9520.0	58.139	
TPF 96.00%	2311.9	74.404	272.47	10976.	67.033	
TPF 95.00%	2586.6	83.245	304.85	12281.	74.998	
TPF 90.00%	3694.5	118.90	435.42	17541.	107.12	
TPF 85.00%	4684.2	150.75	552.06	22240.	135.82	
TPF 80.00%	5559.1	194.37	653.40	26303.	174.74	
TPF 75.00%	6399.7	236.51	750.74	30206.	212.34	
TPF 70.00%	7203.9	276.83	843.86	33939.	248.31	
TPF 65.00%	8004.1	323.34	936.29	37613.	290.60	

TPF	60.00%	8801.8	373.16	1028.3	41254.	336.24
TPF	55.00%	9635.8	425.23	1124.5	45060.	383.95
TPF	50.00%	10487.	475.22	1223.0	48963.	429.68
TPF	45.00%	11395.	513.19	1329.9	53216.	464.06
TPF	40.00%	12357.	553.45	1443.2	57725.	500.51
TPF	35.00%	13392.	596.74	1565.1	62575.	539.70
TPF	30.00%	14587.	656.83	1705.5	68111.	591.51
TPF	25.00%	15915.	725.68	1861.6	74254.	650.43
TPF	20.00%	17441.	804.73	2040.8	81307.	718.08
TPF	15.00%	19374.	951.76	2256.2	89996.	857.27
TPF	10.00%	21940.	1149.7	2541.5	0.10151E+06	1045.2
TPF	5.00%	26112.	1394.0	3030.0	0.12062E+06	1262.1
TPF	4.00%	27471.	1470.0	3190.4	0.12687E+06	1328.5
TPF	3.00%	29076.	1559.6	3379.7	0.13424E+06	1406.9
TPF	2.00%	31527.	1764.5	3647.8	0.14516E+06	1601.2
TPF	1.00%	35444.	2098.6	4074.3	0.16259E+06	1918.8
TPF	0.10%	48205.	2783.7	5575.8	0.22140E+06	2532.3
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 7 19.45% 10007. 6334.7

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	19.45%	10007.	448.43	1167.3	46755.	405.20
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	792.27	25.498	93.373	3761.5	22.972
TPF	98.00%	1440.0	46.342	169.71	6836.7	41.751
TPF	97.00%	1698.9	54.675	200.22	8066.0	49.259
TPF	96.00%	1956.2	62.957	230.55	9287.8	56.720
TPF	95.00%	2178.0	70.093	256.68	10340.	63.149
TPF	90.00%	3122.6	100.49	368.01	14825.	90.538
TPF	85.00%	3882.2	124.94	457.53	18432.	112.56
TPF	80.00%	4635.7	149.19	546.34	22009.	134.41
TPF	75.00%	5327.5	182.76	626.58	25228.	164.38
TPF	70.00%	6015.6	217.26	706.26	28422.	195.16
TPF	65.00%	6687.4	250.93	784.05	31541.	225.21
TPF	60.00%	7363.2	284.81	862.31	34679.	255.44
TPF	55.00%	8058.7	326.75	942.58	37862.	293.72
TPF	50.00%	8771.7	371.27	1024.8	41116.	334.51
TPF	45.00%	9538.8	419.18	1113.3	44617.	378.40
TPF	40.00%	10341.	469.12	1205.8	48279.	424.16
TPF	35.00%	11236.	506.56	1311.2	52473.	458.05
TPF	30.00%	12210.	547.31	1425.9	57038.	494.95
TPF	25.00%	13320.	593.73	1556.6	62237.	536.97
TPF	20.00%	14668.	661.05	1715.0	68487.	595.12
TPF	15.00%	16314.	746.36	1908.4	76099.	668.12
TPF	10.00%	18517.	885.66	2160.9	86149.	794.52
TPF	5.00%	22066.	1159.4	2555.4	0.10208E+06	1054.4
TPF	4.00%	23189.	1230.8	2685.2	0.10720E+06	1119.2
TPF	3.00%	24604.	1309.8	2852.1	0.11370E+06	1188.4
TPF	2.00%	26588.	1420.6	3086.2	0.12281E+06	1285.3
TPF	1.00%	29915.	1627.1	3472.3	0.13799E+06	1470.5
TPF	0.10%	40695.	2485.9	4662.8	0.18625E+06	2281.4
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 8 13.90% 8634.3 5472.6

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
----	-----	-----	-----	-----	-----	
Mean	13.90%	8634.3	362.70	1009.0	40490.	326.65
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	634.02	20.405	74.722	3010.2	18.383
TPF	98.00%	1125.9	36.236	132.70	5345.7	32.646
TPF	97.00%	1512.1	48.665	178.21	7179.3	43.844
TPF	96.00%	1709.1	55.005	201.43	8114.6	49.556
TPF	95.00%	1906.4	61.354	224.68	9051.2	55.276
TPF	90.00%	2717.2	87.448	320.24	12901.	78.785
TPF	85.00%	3370.5	108.47	397.24	16003.	97.728
TPF	80.00%	3977.4	128.01	468.76	18884.	115.33
TPF	75.00%	4593.5	147.83	541.37	21809.	133.19
TPF	70.00%	5175.0	175.12	608.92	24520.	157.56
TPF	65.00%	5760.0	204.44	676.66	27236.	183.73
TPF	60.00%	6351.6	234.10	745.17	29982.	210.19
TPF	55.00%	6948.6	264.03	814.30	32754.	236.89
TPF	50.00%	7568.6	296.15	886.06	35626.	265.68
TPF	45.00%	8223.9	337.07	961.63	38616.	303.17
TPF	40.00%	8915.2	380.23	1041.4	41771.	342.72
TPF	35.00%	9685.4	428.33	1130.2	45286.	386.79
TPF	30.00%	10526.	476.85	1227.6	49145.	431.16
TPF	25.00%	11491.	517.24	1341.3	53669.	467.72
TPF	20.00%	12630.	564.86	1475.3	59003.	510.84
TPF	15.00%	14044.	628.71	1641.7	65601.	567.44
TPF	10.00%	15984.	729.23	1869.6	74570.	653.47
TPF	5.00%	19101.	930.67	2225.8	88769.	837.25
TPF	4.00%	20052.	1004.0	2331.5	93038.	906.89
TPF	3.00%	21309.	1101.0	2471.3	98680.	998.93
TPF	2.00%	22994.	1219.9	2662.2	0.10630E+06	1109.7
TPF	1.00%	25835.	1378.6	2997.4	0.11935E+06	1248.5
TPF	0.10%	35269.	2083.6	4055.2	0.16181E+06	1904.6
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 9 9.31% 7617.8 4816.0

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
----	-----	-----	-----	-----	-----	
Mean	9.31%	7617.8	299.22	891.74	35851.	268.50
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353	
TPF 99.00%	533.10	17.157	62.828	2531.0	15.457	
TPF 98.00%	924.91	29.766	109.01	4391.3	26.818	
TPF 97.00%	1318.1	42.421	155.35	6258.1	38.218	
TPF 96.00%	1549.8	49.878	182.65	7358.2	44.937	
TPF 95.00%	1708.1	54.971	201.30	8109.6	49.525	
TPF 90.00%	2429.2	78.178	286.29	11533.	70.433	
TPF 85.00%	3013.4	96.980	355.14	14307.	87.373	
TPF 80.00%	3529.4	113.59	415.96	16757.	102.33	
TPF 75.00%	4044.1	130.15	476.62	19201.	117.26	
TPF 70.00%	4574.0	147.20	539.07	21716.	132.62	
TPF 65.00%	5084.1	170.56	598.39	24098.	153.49	

TPF	60.00%	5601.8	196.51	658.34	26501.	176.65
TPF	55.00%	6140.3	223.51	720.70	29001.	200.74
TPF	50.00%	6685.2	250.82	783.80	31531.	225.11
TPF	45.00%	7259.7	279.62	850.32	34198.	250.81
TPF	40.00%	7876.0	315.34	921.51	37029.	283.26
TPF	35.00%	8541.1	356.88	998.22	40064.	321.32
TPF	30.00%	9285.0	403.33	1084.0	43459.	363.88
TPF	25.00%	10127.	455.93	1181.2	47304.	412.08
TPF	20.00%	11132.	502.21	1299.0	51986.	454.12
TPF	15.00%	12368.	553.91	1444.5	57777.	500.92
TPF	10.00%	14055.	629.29	1643.0	65653.	567.94
TPF	5.00%	16832.	773.16	1969.2	78490.	691.06
TPF	4.00%	17669.	820.24	2066.6	82342.	732.41
TPF	3.00%	18789.	906.65	2191.2	87371.	814.44
TPF	2.00%	20290.	1022.4	2358.0	94107.	924.34
TPF	1.00%	22802.	1209.2	2639.5	0.10542E+06	1100.3
TPF	0.10%	31082.	1726.6	3599.4	0.14318E+06	1565.1
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 10 5.86% 6843.7 4305.8

	Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
-----						
Mean	5.86%	6843.7	258.77	802.15	32267.	232.20
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	464.62	14.953	54.758	2205.9	13.471
TPF	98.00%	788.21	25.367	92.895	3742.3	22.854
TPF	97.00%	1113.4	35.834	131.23	5286.4	32.284
TPF	96.00%	1440.3	46.354	169.75	6838.4	41.762
TPF	95.00%	1572.3	50.601	185.30	7464.9	45.588
TPF	90.00%	2200.8	70.829	259.38	10449.	63.812
TPF	85.00%	2738.4	88.130	322.74	13001.	79.399
TPF	80.00%	3212.4	103.39	378.60	15252.	93.143
TPF	75.00%	3651.2	117.51	430.31	17335.	105.86
TPF	70.00%	4106.2	132.15	483.94	19496.	119.06
TPF	65.00%	4579.9	147.39	539.76	21744.	132.79
TPF	60.00%	5041.6	168.43	593.48	23901.	151.59
TPF	55.00%	5515.6	192.19	648.36	26101.	172.79
TPF	50.00%	6015.9	217.27	706.29	28424.	195.17
TPF	45.00%	6532.2	243.16	766.09	30821.	218.27
TPF	40.00%	7081.7	270.70	829.71	33372.	242.85
TPF	35.00%	7679.4	303.07	898.83	36131.	272.02
TPF	30.00%	8341.7	344.42	975.22	39154.	309.91
TPF	25.00%	9092.4	391.30	1061.8	42580.	352.86
TPF	20.00%	9984.7	447.02	1164.7	46652.	403.91
TPF	15.00%	11095.	500.64	1294.5	51810.	452.69
TPF	10.00%	12592.	563.27	1470.9	58826.	509.40
TPF	5.00%	15068.	681.74	1761.9	70333.	612.83
TPF	4.00%	15842.	721.88	1852.9	73915.	647.18
TPF	3.00%	16823.	772.74	1968.2	78452.	690.70
TPF	2.00%	18179.	859.58	2123.3	84632.	769.76
TPF	1.00%	20450.	1034.8	2375.8	94826.	936.07
TPF	0.10%	27763.	1486.3	3224.9	0.12821E+06	1342.8
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.



Rank 11 3.49% 6239.6 3902.0

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
----	-----	-----	-----	-----	-----	
Mean	3.49%	6239.6	228.49	732.20	29462.	205.18
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353	
TPF 99.00%	415.87	13.384	49.013	1974.5	12.058	
TPF 98.00%	690.76	22.231	81.410	3279.6	20.028	
TPF 97.00%	967.32	31.131	114.00	4592.6	28.047	
TPF 96.00%	1245.6	40.086	146.80	5913.8	36.115	
TPF 95.00%	1475.0	47.471	173.84	7003.2	42.769	
TPF 90.00%	2033.5	65.445	239.66	9654.8	58.962	
TPF 85.00%	2522.9	81.195	297.34	11978.	73.151	
TPF 80.00%	2959.7	95.252	348.82	14052.	85.816	
TPF 75.00%	3361.3	108.17	396.14	15959.	97.459	
TPF 70.00%	3758.5	120.96	442.96	17845.	108.98	
TPF 65.00%	4174.2	134.34	491.96	19818.	121.03	
TPF 60.00%	4611.1	148.40	543.44	21892.	133.70	
TPF 55.00%	5039.4	168.32	593.21	23890.	151.49	
TPF 50.00%	5486.1	190.71	644.95	25964.	171.48	
TPF 45.00%	5963.8	214.66	700.26	28182.	192.84	
TPF 40.00%	6465.9	239.83	758.41	30513.	215.30	
TPF 35.00%	7007.3	266.97	821.10	33026.	239.52	
TPF 30.00%	7607.2	298.56	890.51	35802.	267.89	
TPF 25.00%	8290.4	341.22	969.30	38920.	306.98	
TPF 20.00%	9090.7	391.19	1061.6	42572.	352.76	
TPF 15.00%	10090.	453.60	1176.9	47133.	409.94	
TPF 10.00%	11447.	515.37	1336.0	53459.	466.03	
TPF 5.00%	13645.	608.03	1594.9	63756.	549.74	
TPF 4.00%	14372.	645.71	1680.3	67118.	581.99	
TPF 3.00%	15260.	691.71	1784.5	71222.	621.35	
TPF 2.00%	16504.	756.20	1930.7	76977.	676.55	
TPF 1.00%	18562.	889.17	2166.0	86353.	797.85	
TPF 0.10%	25101.	1337.6	2910.8	0.11598E+06	1212.7	
TPF 0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.	

Rank 12 1.98% 5758.2 3577.0

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	1.98%	5758.2	204.35	676.46	27227.	183.65
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353	
TPF 99.00%	379.84	12.224	44.766	1803.4	11.013	
TPF 98.00%	618.65	19.910	72.911	2937.2	17.938	
TPF 97.00%	859.08	27.648	101.25	4078.7	24.909	
TPF 96.00%	1101.2	35.439	129.78	5228.1	31.928	
TPF 95.00%	1344.9	43.284	158.51	6385.5	38.996	
TPF 90.00%	1900.4	61.162	223.98	9022.9	55.103	
TPF 85.00%	2353.8	75.751	277.40	11175.	68.247	
TPF 80.00%	2759.6	88.811	325.23	13102.	80.013	
TPF 75.00%	3141.3	101.10	370.22	14914.	91.081	
TPF 70.00%	3493.4	112.43	411.71	16586.	101.29	
TPF 65.00%	3863.2	124.33	455.30	18342.	112.01	

TPF	60.00%	4253.4	136.89	501.28	20194.	123.33
TPF	55.00%	4667.2	150.20	550.05	22159.	135.32
TPF	50.00%	5072.4	169.97	597.04	24043.	152.97
TPF	45.00%	5504.9	191.65	647.12	26051.	172.31
TPF	40.00%	5973.4	215.14	701.38	28227.	193.28
TPF	35.00%	6473.6	240.22	759.30	30549.	215.65
TPF	30.00%	7023.7	267.79	823.00	33103.	240.25
TPF	25.00%	7649.0	301.17	895.33	35993.	270.28
TPF	20.00%	8384.4	347.09	980.14	39349.	312.35
TPF	15.00%	9296.9	404.07	1085.4	43513.	364.56
TPF	10.00%	10530.	477.02	1228.0	49163.	431.31
TPF	5.00%	12555.	561.71	1466.5	58651.	507.99
TPF	4.00%	13180.	587.88	1540.1	61582.	531.68
TPF	3.00%	13994.	626.12	1635.8	65370.	565.22
TPF	2.00%	15134.	685.16	1769.7	70638.	615.75
TPF	1.00%	17016.	782.73	1990.9	79344.	699.25
TPF	0.10%	23011.	1220.8	2664.1	0.10638E+06	1110.5
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 13 1.07% 5367.3 3311.1

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----						
Mean	1.07%	5367.3	184.75	631.18	25412.	166.16
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	352.38	11.340	41.529	1673.0	10.217
TPF	98.00%	563.65	18.140	66.429	2676.1	16.343
TPF	97.00%	776.47	24.989	91.511	3686.5	22.513
TPF	96.00%	990.86	31.889	116.78	4704.4	28.730
TPF	95.00%	1206.9	38.841	142.24	5730.0	34.993
TPF	90.00%	1789.3	57.585	210.88	8495.2	51.880
TPF	85.00%	2209.0	71.092	260.34	10488.	64.050
TPF	80.00%	2592.2	83.425	305.51	12307.	75.161
TPF	75.00%	2948.9	94.906	347.55	14001.	85.504
TPF	70.00%	3286.6	105.77	387.35	15604.	95.295
TPF	65.00%	3619.6	116.49	426.59	17185.	104.95
TPF	60.00%	3972.0	127.83	468.12	18858.	115.17
TPF	55.00%	4346.9	139.90	512.31	20638.	126.04
TPF	50.00%	4743.8	153.50	558.98	22518.	138.27
TPF	45.00%	5138.4	173.28	604.68	24350.	155.92
TPF	40.00%	5567.7	194.80	654.39	26343.	175.12
TPF	35.00%	6039.8	218.47	709.06	28535.	196.24
TPF	30.00%	6550.7	244.08	768.23	30907.	219.10
TPF	25.00%	7129.1	273.08	835.20	33592.	244.97
TPF	20.00%	7810.2	311.24	913.93	36729.	279.50
TPF	15.00%	8647.6	363.53	1010.5	40550.	327.41
TPF	10.00%	9791.4	434.95	1142.4	45770.	392.85
TPF	5.00%	11645.	523.66	1359.3	54388.	473.54
TPF	4.00%	12228.	548.05	1428.0	57120.	495.62
TPF	3.00%	12970.	579.10	1515.4	60599.	523.73
TPF	2.00%	14003.	626.57	1636.9	65410.	565.61
TPF	1.00%	15752.	717.20	1842.3	73497.	643.18
TPF	0.10%	21284.	1099.1	2468.5	98569.	997.12
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 14 0.56% 5043.9 3089.7

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----	-----	-----	-----	-----	-----	
Mean	0.56%	5043.9	168.54	593.74	23911.	151.70
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353	
TPF 99.00%	330.89	10.649	38.997	1571.0	9.5941	
TPF 98.00%	520.59	16.754	61.354	2471.7	15.094	
TPF 97.00%	711.76	22.907	83.885	3379.3	20.637	
TPF 96.00%	904.42	29.107	106.59	4294.0	26.223	
TPF 95.00%	1098.6	35.356	129.48	5215.9	31.854	
TPF 90.00%	1701.9	54.772	200.58	8080.2	49.346	
TPF 85.00%	2094.8	67.418	246.89	9945.8	60.739	
TPF 80.00%	2459.8	79.164	289.90	11679.	71.321	
TPF 75.00%	2796.3	89.993	329.56	13276.	81.078	
TPF 70.00%	3119.4	100.39	367.64	14810.	90.447	
TPF 65.00%	3424.9	110.22	403.65	16261.	99.305	
TPF 60.00%	3746.3	120.57	441.52	17787.	108.62	
TPF 55.00%	4089.1	131.60	481.93	19414.	118.56	
TPF 50.00%	4457.0	143.44	525.28	21161.	129.23	
TPF 45.00%	4841.0	158.37	570.24	22969.	142.62	
TPF 40.00%	5236.8	178.21	616.08	24807.	160.32	
TPF 35.00%	5673.6	200.11	666.66	26834.	179.86	
TPF 30.00%	6161.1	224.55	723.11	29098.	201.67	
TPF 25.00%	6700.1	251.57	785.52	31600.	225.78	
TPF 20.00%	7333.3	283.31	858.85	34540.	254.10	
TPF 15.00%	8118.9	330.51	949.52	38137.	297.16	
TPF 10.00%	9173.5	396.37	1071.2	42950.	357.50	
TPF 5.00%	10902.	492.58	1271.9	50907.	445.40	
TPF 4.00%	11438.	515.00	1335.0	53418.	465.69	
TPF 3.00%	12117.	543.40	1414.9	56600.	491.41	
TPF 2.00%	13071.	583.29	1527.2	61069.	527.53	
TPF 1.00%	14690.	662.20	1717.6	68589.	596.10	
TPF 0.10%	19773.	982.53	2300.5	91786.	886.48	
TPF 0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.	

Rank 15 0.28% 4771.3 2901.7

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----	-----	-----	-----	-----	-----	
Mean	0.28%	4771.3	154.88	562.17	22645.	139.50
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353	
TPF 99.00%	313.66	10.094	36.966	1489.2	9.0945	
TPF 98.00%	486.05	15.643	57.283	2307.7	14.093	
TPF 97.00%	659.82	21.235	77.763	3132.7	19.131	
TPF 96.00%	835.00	26.873	98.409	3964.4	24.211	
TPF 95.00%	1011.6	32.557	119.22	4802.9	29.331	
TPF 90.00%	1631.5	52.507	192.28	7746.1	47.305	
TPF 85.00%	2002.7	64.452	236.02	9508.2	58.067	
TPF 80.00%	2343.7	75.428	276.22	11128.	67.956	
TPF 75.00%	2660.8	85.633	313.59	12633.	77.150	
TPF 70.00%	2968.5	95.535	349.85	14094.	86.071	
TPF 65.00%	3266.1	105.11	384.93	15507.	94.701	

TPF	60.00%	3561.7	114.63	419.76	16910.	103.27
TPF	55.00%	3877.6	124.79	456.99	18410.	112.43
TPF	50.00%	4217.2	135.72	497.02	20023.	122.28
TPF	45.00%	4585.3	147.57	540.40	21770.	132.95
TPF	40.00%	4962.3	164.45	584.29	23532.	148.05
TPF	35.00%	5368.5	184.81	631.32	25418.	166.21
TPF	30.00%	5824.6	207.68	684.14	27536.	186.62
TPF	25.00%	6339.1	233.47	743.72	29924.	209.63
TPF	20.00%	6933.4	263.27	812.55	32684.	236.22
TPF	15.00%	7667.9	302.35	897.51	36079.	271.36
TPF	10.00%	8652.9	363.85	1011.1	40574.	327.71
TPF	5.00%	10257.	464.05	1196.2	47897.	419.51
TPF	4.00%	10767.	486.92	1255.9	50273.	440.28
TPF	3.00%	11403.	513.56	1330.9	53257.	464.39
TPF	2.00%	12284.	550.40	1434.6	57384.	497.75
TPF	1.00%	13755.	613.74	1607.8	64266.	554.63
TPF	0.10%	18524.	886.23	2161.7	86182.	795.06
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 16 0.14% 4536.3 2738.5

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----						
Mean	0.14%	4536.3	145.99	534.63	21538.	131.53
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	299.48	9.6382	35.295	1421.9	8.6834
TPF	98.00%	457.62	14.727	53.933	2172.7	13.268
TPF	97.00%	617.05	19.859	72.723	2929.6	17.891
TPF	96.00%	777.82	25.032	91.670	3692.9	22.553
TPF	95.00%	939.93	30.250	110.78	4462.6	27.253
TPF	90.00%	1573.4	50.637	185.43	7470.2	45.620
TPF	85.00%	1921.0	61.823	226.40	9120.4	55.698
TPF	80.00%	2240.5	72.104	264.05	10637.	64.962
TPF	75.00%	2547.9	82.000	300.29	12097.	73.876
TPF	70.00%	2842.8	91.491	335.04	13497.	82.427
TPF	65.00%	3132.5	100.81	369.18	14872.	90.825
TPF	60.00%	3407.2	109.65	401.55	16177.	98.791
TPF	55.00%	3700.0	119.08	436.07	17567.	107.28
TPF	50.00%	4015.5	129.23	473.24	19065.	116.43
TPF	45.00%	4357.8	140.25	513.59	20690.	126.35
TPF	40.00%	4729.8	152.80	557.37	22453.	137.65
TPF	35.00%	5109.1	171.81	601.29	24214.	154.61
TPF	30.00%	5536.0	193.21	650.72	26196.	173.71
TPF	25.00%	6026.3	217.79	707.50	28472.	195.64
TPF	20.00%	6588.7	245.98	772.62	31083.	220.79
TPF	15.00%	7279.4	280.61	852.60	34290.	251.69
TPF	10.00%	8209.9	336.20	960.02	38553.	302.37
TPF	5.00%	9715.9	430.24	1133.7	45426.	388.53
TPF	4.00%	10178.	459.10	1187.0	47535.	414.98
TPF	3.00%	10779.	487.45	1257.4	50332.	440.76
TPF	2.00%	11598.	521.72	1353.9	54171.	471.78
TPF	1.00%	12977.	579.38	1516.2	60630.	523.98
TPF	0.10%	17370.	801.07	2032.5	80981.	714.95
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 17 0.07% 4328.7 2593.2

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
----	-----	-----	-----	-----	-----	
Mean	0.07%	4328.7	139.31	510.16	20552.	125.51
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353	
TPF 99.00%	287.48	9.2520	33.881	1364.9	8.3355	
TPF 98.00%	433.54	13.953	51.095	2058.4	12.571	
TPF 97.00%	580.83	18.693	68.454	2757.7	16.841	
TPF 96.00%	729.37	23.473	85.960	3462.9	21.148	
TPF 95.00%	879.19	28.295	103.62	4174.2	25.492	
TPF 90.00%	1524.1	49.049	179.62	7236.0	44.190	
TPF 85.00%	1845.7	59.401	217.53	8763.1	53.516	
TPF 80.00%	2152.5	69.273	253.68	10220.	62.411	
TPF 75.00%	2451.6	78.899	288.93	11640.	71.083	
TPF 70.00%	2729.9	87.856	321.73	12961.	79.152	
TPF 65.00%	3004.5	96.693	354.09	14265.	87.114	
TPF 60.00%	3274.5	105.38	385.92	15547.	94.944	
TPF 55.00%	3547.2	114.16	418.06	16841.	102.85	
TPF 50.00%	3841.3	123.63	452.72	18238.	111.38	
TPF 45.00%	4161.0	133.91	490.39	19756.	120.65	
TPF 40.00%	4511.7	145.20	531.73	21421.	130.82	
TPF 35.00%	4883.3	160.49	575.14	23165.	144.51	
TPF 30.00%	5283.8	180.57	621.51	25025.	162.42	
TPF 25.00%	5744.7	203.67	674.89	27165.	183.04	
TPF 20.00%	6284.7	230.74	737.42	29672.	207.20	
TPF 15.00%	6937.1	263.45	812.97	32701.	236.38	
TPF 10.00%	7813.8	311.46	914.33	36745.	279.71	
TPF 5.00%	9225.2	399.59	1077.1	43186.	360.46	
TPF 4.00%	9666.9	427.18	1128.1	45202.	385.73	
TPF 3.00%	10216.	461.48	1191.4	47709.	417.16	
TPF 2.00%	10995.	496.46	1282.8	51341.	448.91	
TPF 1.00%	12272.	549.87	1433.1	57325.	497.27	
TPF 0.10%	16377.	749.61	1915.8	76388.	670.90	
TPF 0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.	

Rank 18 0.03% 4140.1 2460.2

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
----	-----	-----	-----	-----	-----	
Mean	0.03%	4140.1	133.24	487.93	19656.	120.04
TPF 100.00%	142.62	4.5900	16.809	677.15	4.1353	
TPF 99.00%	277.01	8.9151	32.647	1315.2	8.0319	
TPF 98.00%	412.54	13.277	48.620	1958.7	11.961	
TPF 97.00%	549.22	17.676	64.729	2607.6	15.925	
TPF 96.00%	687.08	22.112	80.976	3262.1	19.922	
TPF 95.00%	826.15	26.588	97.366	3922.4	23.954	
TPF 90.00%	1480.9	47.661	174.54	7031.2	42.940	
TPF 85.00%	1779.8	57.280	209.76	8450.3	51.606	
TPF 80.00%	2075.3	66.790	244.59	9853.2	60.174	
TPF 75.00%	2360.3	75.963	278.18	11206.	68.438	
TPF 70.00%	2626.1	84.517	309.51	12468.	76.145	
TPF 65.00%	2891.7	93.062	340.80	13729.	83.843	

TPF	60.00%	3157.3	101.61	372.11	14990.	91.546
TPF	55.00%	3412.0	109.81	402.12	16200.	98.930
TPF	50.00%	3686.9	118.66	434.52	17505.	106.90
TPF	45.00%	3986.0	128.28	469.78	18925.	115.57
TPF	40.00%	4314.6	138.86	508.50	20485.	125.10
TPF	35.00%	4679.9	150.61	551.55	22219.	135.69
TPF	30.00%	5057.6	169.23	595.32	23975.	152.31
TPF	25.00%	5491.2	190.97	645.53	25988.	171.70
TPF	20.00%	6005.8	216.77	705.13	28377.	194.72
TPF	15.00%	6625.8	247.84	776.92	31255.	222.45
TPF	10.00%	7451.0	289.22	872.48	35087.	259.37
TPF	5.00%	8774.5	371.45	1025.1	41129.	334.68
TPF	4.00%	9190.1	397.40	1073.1	43026.	358.45
TPF	3.00%	9714.0	430.12	1133.5	45417.	388.43
TPF	2.00%	10425.	472.63	1215.7	48672.	427.33
TPF	1.00%	11622.	522.68	1356.6	54279.	472.65
TPF	0.10%	15412.	699.58	1802.4	71925.	628.09
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 19 0.01% 3963.6 2334.6

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----						
Mean	0.01%	3963.6	127.56	467.13	18818.	114.92
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	267.60	8.6123	31.538	1270.5	7.7591
TPF	98.00%	393.65	12.669	46.394	1869.0	11.414
TPF	97.00%	520.79	16.761	61.378	2472.6	15.100
TPF	96.00%	649.04	20.888	76.493	3081.5	18.819
TPF	95.00%	778.42	25.052	91.741	3695.8	22.570
TPF	90.00%	1442.1	46.411	169.96	6846.7	41.813
TPF	85.00%	1720.4	55.368	202.76	8168.1	49.883
TPF	80.00%	2005.6	64.548	236.38	9522.4	58.153
TPF	75.00%	2271.4	73.099	267.69	10784.	65.857
TPF	70.00%	2532.2	81.493	298.43	12022.	73.420
TPF	65.00%	2789.1	89.760	328.71	13242.	80.868
TPF	60.00%	3039.2	97.812	358.19	14430.	88.122
TPF	55.00%	3288.9	105.85	387.62	15615.	95.361
TPF	50.00%	3546.1	114.12	417.92	16836.	102.82
TPF	45.00%	3826.1	123.14	450.93	18166.	110.94
TPF	40.00%	4133.9	133.04	487.21	19627.	119.86
TPF	35.00%	4476.5	144.07	527.58	21253.	129.79
TPF	30.00%	4849.0	158.77	571.17	23006.	142.98
TPF	25.00%	5256.5	179.20	618.36	24898.	161.20
TPF	20.00%	5740.7	203.47	674.43	27146.	182.86
TPF	15.00%	6334.4	233.24	743.17	29902.	209.42
TPF	10.00%	7113.2	272.28	833.36	33518.	244.26
TPF	5.00%	8360.2	345.58	977.36	39239.	310.97
TPF	4.00%	8739.2	369.25	1021.1	40968.	332.66
TPF	3.00%	9229.6	399.87	1077.6	43206.	360.71
TPF	2.00%	9900.1	441.74	1155.0	46266.	399.07
TPF	1.00%	11013.	497.23	1284.9	51428.	449.61
TPF	0.10%	14517.	653.23	1697.3	67789.	588.42
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 20 0.01% 3792.7 2211.7

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
----	-----	-----	-----	-----	-----	
Mean	0.01%	3792.7	122.06	446.98	18007.	109.97
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	258.89	8.3319	30.512	1229.2	7.5065
TPF	98.00%	376.16	12.106	44.332	1785.9	10.907
TPF	97.00%	494.45	15.913	58.274	2347.5	14.336
TPF	96.00%	613.78	19.753	72.338	2914.1	17.797
TPF	95.00%	734.18	23.628	86.527	3485.7	21.287
TPF	90.00%	1352.8	43.538	159.44	6423.0	39.225
TPF	85.00%	1665.2	53.591	196.25	7906.0	48.282
TPF	80.00%	1937.7	62.360	228.36	9199.7	56.182
TPF	75.00%	2188.4	70.430	257.92	10390.	63.453
TPF	70.00%	2444.5	78.672	288.10	11606.	70.878
TPF	65.00%	2684.1	86.383	316.34	12744.	77.825
TPF	60.00%	2926.9	94.196	344.95	13896.	84.864
TPF	55.00%	3173.4	102.13	374.00	15067.	92.012
TPF	50.00%	3413.6	109.86	402.31	16207.	98.976
TPF	45.00%	3675.3	118.28	433.15	17449.	106.56
TPF	40.00%	3963.1	127.54	467.07	18816.	114.91
TPF	35.00%	4283.5	137.86	504.83	20337.	124.20
TPF	30.00%	4645.8	149.51	547.53	22057.	134.70
TPF	25.00%	5031.8	167.94	592.34	23855.	151.16
TPF	20.00%	5485.4	190.68	644.87	25961.	171.45
TPF	15.00%	6049.5	218.95	710.18	28580.	196.68
TPF	10.00%	6782.5	255.70	795.07	31983.	229.47
TPF	5.00%	7949.4	319.93	929.98	37364.	287.47
TPF	4.00%	8306.3	342.21	971.14	38992.	307.88
TPF	3.00%	8751.8	370.03	1022.5	41026.	333.38
TPF	2.00%	9378.9	409.19	1094.8	43887.	369.25
TPF	1.00%	10398.	471.51	1212.6	48547.	426.33
TPF	0.10%	13602.	605.81	1589.8	63558.	547.84
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 21 0.00% 3619.4 2085.8

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
----	-----	-----	-----	-----	-----	
Mean	0.00%	3619.4	116.48	426.56	17184.	104.94
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	250.53	8.0627	29.526	1189.5	7.2640
TPF	98.00%	359.37	11.566	42.353	1706.2	10.420
TPF	97.00%	469.16	15.099	55.293	2227.5	13.603
TPF	96.00%	579.92	18.664	68.347	2753.4	16.815
TPF	95.00%	691.68	22.260	81.518	3283.9	20.055
TPF	90.00%	1266.0	40.744	149.20	6010.7	36.707
TPF	85.00%	1612.0	51.878	189.98	7653.3	46.738
TPF	80.00%	1865.0	60.021	219.80	8854.6	54.075
TPF	75.00%	2108.2	67.848	248.46	10009.	61.126
TPF	70.00%	2351.7	75.684	277.16	11165.	68.186
TPF	65.00%	2582.1	83.099	304.31	12259.	74.866

TPF	60.00%	2817.3	90.670	332.04	13376.	81.688
TPF	55.00%	3050.0	98.158	359.46	14481.	88.434
TPF	50.00%	3283.6	105.68	386.99	15590.	95.207
TPF	45.00%	3526.7	113.50	415.64	16744.	102.26
TPF	40.00%	3794.1	122.11	447.16	18014.	110.01
TPF	35.00%	4091.7	131.68	482.23	19427.	118.64
TPF	30.00%	4428.2	142.51	521.89	21024.	128.40
TPF	25.00%	4806.2	156.62	566.21	22807.	141.06
TPF	20.00%	5227.3	177.74	614.98	24763.	159.90
TPF	15.00%	5751.1	203.99	675.63	27194.	183.33
TPF	10.00%	6442.9	238.68	755.74	30406.	214.27
TPF	5.00%	7523.3	293.32	880.83	35419.	263.09
TPF	4.00%	7856.3	314.11	919.24	36939.	282.14
TPF	3.00%	8272.7	340.12	967.27	38839.	305.96
TPF	2.00%	8836.7	375.34	1032.3	41413.	338.23
TPF	1.00%	9790.4	434.89	1142.3	45766.	392.80
TPF	0.10%	12746.	569.73	1489.0	59549.	515.25
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 22 0.00% 3431.4 1949.9

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----						
Mean	0.00%	3431.4	110.43	404.41	16292.	99.493
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	242.01	7.7887	28.522	1149.0	7.0171
TPF	98.00%	342.26	11.015	40.337	1625.0	9.9237
TPF	97.00%	443.38	14.269	52.254	2105.1	12.856
TPF	96.00%	545.39	17.552	64.277	2589.4	15.813
TPF	95.00%	648.30	20.864	76.406	3078.0	18.797
TPF	90.00%	1177.1	37.883	138.73	5588.8	34.131
TPF	85.00%	1557.3	50.119	183.54	7393.9	45.154
TPF	80.00%	1790.2	57.613	210.98	8499.4	51.906
TPF	75.00%	2025.3	65.180	238.69	9615.6	58.723
TPF	70.00%	2249.1	72.384	265.07	10678.	65.213
TPF	65.00%	2475.8	79.680	291.79	11755.	71.786
TPF	60.00%	2694.2	86.706	317.52	12791.	78.116
TPF	55.00%	2916.4	93.857	343.71	13846.	84.559
TPF	50.00%	3146.5	101.26	370.83	14939.	91.232
TPF	45.00%	3369.3	108.43	397.09	15997.	97.692
TPF	40.00%	3614.1	116.31	425.94	17159.	104.79
TPF	35.00%	3886.4	125.08	458.04	18452.	112.69
TPF	30.00%	4194.1	134.98	494.29	19913.	121.61
TPF	25.00%	4549.0	146.40	536.13	21598.	131.90
TPF	20.00%	4946.9	163.68	582.50	23461.	147.36
TPF	15.00%	5425.6	187.68	637.94	25683.	168.77
TPF	10.00%	6069.8	219.97	712.54	28674.	197.58
TPF	5.00%	7063.7	269.80	827.63	33288.	242.04
TPF	4.00%	7366.5	284.98	862.70	34694.	255.59
TPF	3.00%	7750.1	307.48	906.99	36454.	276.06
TPF	2.00%	8273.8	340.19	967.39	38844.	306.03
TPF	1.00%	9135.1	393.97	1066.7	42775.	355.31
TPF	0.10%	11832.	531.49	1381.4	55266.	480.63
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.



Rank 23 0.00% 3207.3 1795.9

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
----	-----	-----	-----	-----	-----	
Mean	0.00%	3207.3	103.22	378.00	15228.	92.995
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	232.27	7.4753	27.375	1102.8	6.7347
TPF	98.00%	322.68	10.385	38.029	1532.0	9.3560
TPF	97.00%	413.85	13.319	48.774	1964.9	11.999
TPF	96.00%	505.80	16.278	59.611	2401.4	14.666
TPF	95.00%	598.54	19.263	70.541	2841.8	17.355
TPF	90.00%	1074.7	34.588	126.66	5102.6	31.162
TPF	85.00%	1494.1	48.085	176.09	7093.7	43.321
TPF	80.00%	1703.2	54.814	200.73	8086.5	49.384
TPF	75.00%	1923.4	61.900	226.68	9131.8	55.768
TPF	70.00%	2128.9	68.516	250.91	10108.	61.728
TPF	65.00%	2341.6	75.359	275.97	11117.	67.894
TPF	60.00%	2545.7	81.929	300.03	12087.	73.813
TPF	55.00%	2754.6	88.652	324.65	13078.	79.870
TPF	50.00%	2963.4	95.370	349.25	14069.	85.922
TPF	45.00%	3181.8	102.40	374.99	15106.	92.255
TPF	40.00%	3399.5	109.40	400.64	16140.	98.567
TPF	35.00%	3641.5	117.19	429.17	17289.	105.58
TPF	30.00%	3915.0	126.00	461.40	18587.	113.51
TPF	25.00%	4230.7	136.16	498.61	20086.	122.67
TPF	20.00%	4606.4	148.25	542.89	21870.	133.56
TPF	15.00%	5042.0	168.45	593.52	23902.	151.61
TPF	10.00%	5619.9	197.42	660.44	26585.	177.46
TPF	5.00%	6535.0	243.29	766.41	30834.	218.39
TPF	4.00%	6810.9	257.12	798.35	32115.	230.73
TPF	3.00%	7158.1	274.53	838.56	33727.	246.27
TPF	2.00%	7634.7	300.28	893.68	35928.	269.46
TPF	1.00%	8420.6	349.35	984.33	39514.	314.43
TPF	0.10%	10890.	492.07	1270.4	50850.	444.93
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 24 0.00% 2908.5 1617.0

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	2908.5	93.603	342.78	13809.	84.331
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	218.73	7.0392	25.778	1038.5	6.3419
TPF	98.00%	295.41	9.5072	34.816	1402.6	8.5654
TPF	97.00%	372.70	11.995	43.924	1769.5	10.806
TPF	96.00%	450.60	14.502	53.105	2139.3	13.065
TPF	95.00%	529.12	17.029	62.359	2512.1	15.342
TPF	90.00%	931.59	29.981	109.79	4423.0	27.011
TPF	85.00%	1351.9	43.508	159.33	6418.6	39.198
TPF	80.00%	1581.6	50.900	186.40	7509.1	45.858
TPF	75.00%	1766.6	56.853	208.20	8387.3	51.221
TPF	70.00%	1961.6	63.131	231.19	9313.4	56.877
TPF	65.00%	2140.0	68.872	252.21	10160.	62.049

TPF	60.00%	2330.2	74.992	274.62	11063.	67.563
TPF	55.00%	2516.4	80.984	296.57	11947.	72.961
TPF	50.00%	2705.8	87.080	318.89	12846.	78.453
TPF	45.00%	2901.5	93.378	341.95	13776.	84.127
TPF	40.00%	3108.5	100.04	366.35	14758.	90.130
TPF	35.00%	3317.2	106.76	390.95	15749.	96.181
TPF	30.00%	3549.5	114.23	418.33	16852.	102.92
TPF	25.00%	3819.1	122.91	450.10	18132.	110.73
TPF	20.00%	4141.8	133.29	488.13	19664.	120.09
TPF	15.00%	4547.3	146.34	535.92	21590.	131.85
TPF	10.00%	5065.4	169.62	596.23	24011.	152.66
TPF	5.00%	5890.1	210.97	691.73	27840.	189.55
TPF	4.00%	6145.4	223.76	721.29	29025.	200.97
TPF	3.00%	6458.3	239.45	757.53	30478.	214.96
TPF	2.00%	6889.0	261.04	807.40	32477.	234.23
TPF	1.00%	7600.9	298.16	889.78	35773.	267.53
TPF	0.10%	9840.0	437.99	1148.0	45992.	395.64
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.

Rank 25 0.00% 2463.3 1414.7

	Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	0.00%	2463.3	79.277	290.32	11695.	71.424
TPF	100.00%	142.62	4.5900	16.809	677.15	4.1353
TPF	99.00%	194.83	6.2701	22.961	924.99	5.6489
TPF	98.00%	247.54	7.9665	29.174	1175.3	7.1773
TPF	97.00%	300.77	9.6796	35.447	1428.0	8.7207
TPF	96.00%	354.53	11.410	41.783	1683.2	10.279
TPF	95.00%	408.83	13.157	48.182	1941.0	11.854
TPF	90.00%	688.84	22.169	81.183	3270.5	19.973
TPF	85.00%	984.20	31.674	115.99	4672.8	28.537
TPF	80.00%	1296.7	41.733	152.83	6156.6	37.599
TPF	75.00%	1516.2	48.796	178.69	7198.7	43.962
TPF	70.00%	1657.6	53.346	195.36	7869.9	48.062
TPF	65.00%	1809.0	58.220	213.20	8588.9	52.452
TPF	60.00%	1970.4	63.415	232.23	9355.3	57.133
TPF	55.00%	2122.7	68.313	250.17	10078.	61.546
TPF	50.00%	2288.8	73.659	269.74	10867.	66.362
TPF	45.00%	2462.7	79.256	290.24	11692.	71.405
TPF	40.00%	2637.7	84.890	310.87	12523.	76.481
TPF	35.00%	2831.4	91.123	333.69	13443.	82.096
TPF	30.00%	3038.0	97.771	358.04	14424.	88.086
TPF	25.00%	3265.1	105.08	384.81	15502.	94.672
TPF	20.00%	3526.6	113.50	415.63	16744.	102.25
TPF	15.00%	3860.3	124.23	454.95	18328.	111.93
TPF	10.00%	4324.1	139.16	509.61	20530.	125.38
TPF	5.00%	5064.4	169.57	596.11	24006.	152.61
TPF	4.00%	5288.1	180.78	622.01	25045.	162.62
TPF	3.00%	5573.4	195.09	655.06	26369.	175.38
TPF	2.00%	5970.1	214.98	700.99	28211.	193.13
TPF	1.00%	6615.2	247.31	775.69	31206.	221.98
TPF	0.10%	8634.6	362.71	1009.0	40491.	326.67
TPF	0.00%	0.90986E+06	89936.	99066.	0.39675E+07	83708.