

GEOLOGIC ECONOMIC RESOURCE MODEL MODULE PSRK

Geologic Economic Resource Model (Ver 8.29.2005)

The Current UAI AAAAADBA 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 26 - Hope - Late Sequence (HB Play 1)
Geologist Kirk W. Sherwood
Remarks 2005 Assessment
Run date Date 16-SEP-05 Time 13:01:53

USER SUPPLIED PARAMETERS

RECOVERABLE RESOURCES? > R

B) Pool Size Distribution

Z PROB.

EXPECTATION = 82181.

S.D. = 0.10979E+06

MU = 10.776

SIG.SQ. = 1.1377

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

Mean	%	82181.	5100.7	9457.9	0.37626E+06	3779.9
TPF 100.00%	291.79	9.0578	34.538	1388.1	6.7171	
TPF 99.00%	3349.1	103.96	396.41	15933.	77.096	
TPF 98.00%	4719.6	146.51	558.63	22453.	108.65	
TPF 97.00%	5930.0	184.08	701.90	28211.	136.51	
TPF 96.00%	6912.5	214.58	818.20	32885.	159.13	
TPF 95.00%	7958.7	247.05	942.02	37862.	183.21	
TPF 90.00%	12164.	377.61	1439.8	57870.	280.03	
TPF 85.00%	15979.	559.61	1887.6	75633.	414.77	
TPF 80.00%	19911.	747.23	2349.3	93945.	553.67	
TPF 75.00%	23962.	985.89	2808.0	0.11261E+06	734.70	
TPF 70.00%	28263.	1239.3	3295.0	0.13243E+06	926.93	
TPF 65.00%	32852.	1404.1	3840.6	0.15410E+06	1046.1	
TPF 60.00%	37660.	1576.9	4412.1	0.17682E+06	1171.0	
TPF 55.00%	43087.	2144.6	5005.9	0.20036E+06	1601.1	
TPF 50.00%	49210.	2785.1	5675.9	0.22692E+06	2086.3	
TPF 45.00%	56228.	3187.6	6488.6	0.25924E+06	2380.0	
TPF 40.00%	64376.	3655.0	7432.3	0.29676E+06	2721.0	
TPF 35.00%	73919.	4429.8	8517.9	0.33937E+06	3288.5	
TPF 30.00%	85314.	5355.0	9814.3	0.39025E+06	3966.2	

TPF	25.00%	99154.	7234.0	11276.	0.44777E+06	5454.2
TPF	20.00%	0.11710E+06	9670.5	13170.	0.52236E+06	7383.5
TPF	15.00%	0.14265E+06	10057.	16184.	0.64680E+06	7413.1
TPF	10.00%	0.18202E+06	10652.	20829.	0.83858E+06	7458.7
TPF	5.00%	0.26164E+06	26088.	28783.	0.11426E+07	19418.
TPF	4.00%	0.28973E+06	31536.	31590.	0.12499E+07	23638.
TPF	3.00%	0.32850E+06	39051.	35463.	0.13979E+07	29461.
TPF	2.00%	0.38987E+06	50950.	41594.	0.16323E+07	38680.
TPF	1.00%	0.50987E+06	74215.	53583.	0.20905E+07	56705.
TPF	0.10%	0.10947E+07	0.18761E+06	0.11201E+06	0.43239E+07	0.14455E+06
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

C) No.of Pools Distribution

Lower Support = 0
Upper Support = 17
Expectation = 1.60
Standard Deviation= 2.31

Rank 1 39.36% 0.18228E+06 0.23694E+06

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	39.36%	0.18228E+06	10703.	20855.	0.83957E+06	7497.9
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	13041.	419.44	1542.7	61952.	310.99
TPF	98.00%	18910.	699.48	2231.8	89284.	518.32
TPF	97.00%	23545.	961.34	2760.8	0.11069E+06	716.09
TPF	96.00%	27519.	1195.5	3210.9	0.12900E+06	893.71
TPF	95.00%	31051.	1339.5	3626.6	0.14560E+06	999.38
TPF	90.00%	44991.	2343.8	5214.3	0.20862E+06	1752.0
TPF	85.00%	56611.	3209.6	6533.0	0.26100E+06	2396.0
TPF	80.00%	67531.	3911.2	7791.2	0.31085E+06	2908.7
TPF	75.00%	77910.	4753.9	8972.1	0.35719E+06	3525.9
TPF	70.00%	88038.	5724.8	10102.	0.40157E+06	4259.1
TPF	65.00%	98058.	7085.1	11160.	0.44321E+06	5336.3
TPF	60.00%	0.10909E+06	8582.3	12324.	0.48904E+06	6521.8
TPF	55.00%	0.12004E+06	9715.0	13518.	0.53669E+06	7386.9
TPF	50.00%	0.13296E+06	9910.3	15041.	0.59959E+06	7401.9
TPF	45.00%	0.14580E+06	10105.	16555.	0.66213E+06	7416.8
TPF	40.00%	0.16237E+06	10355.	18511.	0.74286E+06	7436.0
TPF	35.00%	0.17767E+06	10587.	20315.	0.81738E+06	7453.7
TPF	30.00%	0.20195E+06	14517.	22820.	0.91468E+06	10453.
TPF	25.00%	0.22877E+06	19716.	25499.	0.10171E+07	14481.
TPF	20.00%	0.25391E+06	24591.	28011.	0.11131E+07	18257.
TPF	15.00%	0.28979E+06	31546.	31595.	0.12501E+07	23646.
TPF	10.00%	0.35338E+06	43875.	37949.	0.14929E+07	33198.
TPF	5.00%	0.47817E+06	68070.	50416.	0.19695E+07	51943.
TPF	4.00%	0.50912E+06	74070.	53508.	0.20877E+07	56592.
TPF	3.00%	0.67173E+06	0.10560E+06	69755.	0.27086E+07	81019.
TPF	2.00%	0.83600E+06	0.13744E+06	86166.	0.33359E+07	0.10569E+06
TPF	1.00%	0.99864E+06	0.16898E+06	0.10242E+06	0.39570E+07	0.13012E+06
TPF	0.10%	0.35578E+07	0.66515E+06	0.35810E+06	0.13730E+08	0.51454E+06
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 2 36.59% 82423. 64997.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	36.59%	82423.	5120.3	9485.4	0.37734E+06 3794.3
TPF 100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF 99.00%	5920.4	183.78	700.76	28165.	136.29
TPF 98.00%	8574.3	266.16	1014.9	40790.	197.38
TPF 97.00%	10702.	332.20	1266.7	50912.	246.36
TPF 96.00%	12631.	399.89	1494.6	60044.	296.52
TPF 95.00%	14308.	479.89	1691.5	67853.	355.75
TPF 90.00%	21609.	847.26	2541.6	0.10177E+06	629.55
TPF 85.00%	27812.	1212.7	3244.0	0.13035E+06	906.79
TPF 80.00%	33487.	1427.0	3916.1	0.15711E+06	1062.6
TPF 75.00%	38776.	1693.7	4534.3	0.18166E+06	1259.5
TPF 70.00%	44073.	2247.8	5113.8	0.20464E+06	1679.2
TPF 65.00%	49405.	2796.3	5698.4	0.22782E+06	2094.4
TPF 60.00%	55008.	3117.7	6347.3	0.25362E+06	2328.9
TPF 55.00%	60883.	3454.7	7027.8	0.28068E+06	2574.9
TPF 50.00%	67000.	3868.1	7730.8	0.30848E+06	2877.1
TPF 45.00%	73407.	4388.3	8459.7	0.33708E+06	3258.1
TPF 40.00%	80684.	4979.1	9287.6	0.36957E+06	3690.9
TPF 35.00%	88419.	5776.6	10142.	0.40315E+06	4300.1
TPF 30.00%	97021.	6944.4	11050.	0.43890E+06	5224.8
TPF 25.00%	0.10753E+06	8370.8	12160.	0.48257E+06	6354.3
TPF 20.00%	0.11958E+06	9708.0	13463.	0.53444E+06	7386.4
TPF 15.00%	0.13634E+06	9961.5	15440.	0.61608E+06	7405.8
TPF 10.00%	0.16088E+06	10333.	18335.	0.73562E+06	7434.2
TPF 5.00%	0.20573E+06	15249.	23198.	0.92912E+06	11020.
TPF 4.00%	0.22156E+06	18317.	24778.	0.98954E+06	13397.
TPF 3.00%	0.23903E+06	21705.	26524.	0.10563E+07	16022.
TPF 2.00%	0.25912E+06	25600.	28532.	0.11330E+07	19040.
TPF 1.00%	0.30625E+06	34738.	33240.	0.13130E+07	26119.
TPF 0.10%	0.49852E+06	72015.	52449.	0.20472E+07	55000.
TPF 0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 3 30.76% 51405. 38559.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	30.76%	51405.	2911.0	5930.0	0.23703E+06 2178.1
TPF 100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF 99.00%	3711.4	115.21	439.29	17656.	85.436
TPF 98.00%	5321.8	165.20	629.91	25318.	122.51
TPF 97.00%	6619.2	205.47	783.47	31490.	152.37
TPF 96.00%	7830.8	243.08	926.89	37254.	180.27
TPF 95.00%	8823.6	273.90	1044.4	41977.	203.12
TPF 90.00%	13263.	430.02	1568.8	62986.	318.83
TPF 85.00%	17068.	611.57	2015.5	80705.	453.24
TPF 80.00%	20695.	793.42	2438.1	97557.	588.70
TPF 75.00%	24190.	999.33	2833.8	0.11366E+06	744.90
TPF 70.00%	27692.	1205.7	3230.4	0.12980E+06	901.43
TPF 65.00%	31227.	1345.8	3647.4	0.14643E+06	1003.9

TPF	60.00%	34758.	1472.6	4067.2	0.16311E+06	1095.7
TPF	55.00%	38343.	1648.4	4486.9	0.17978E+06	1225.2
TPF	50.00%	42222.	2054.2	4911.3	0.19661E+06	1532.6
TPF	45.00%	46435.	2494.8	5372.2	0.21489E+06	1866.4
TPF	40.00%	50968.	2886.0	5879.4	0.23502E+06	2159.8
TPF	35.00%	55939.	3171.1	6455.1	0.25791E+06	2367.9
TPF	30.00%	61772.	3505.6	7130.7	0.28477E+06	2612.0
TPF	25.00%	68445.	3985.4	7895.2	0.31493E+06	2963.0
TPF	20.00%	76349.	4627.1	8794.4	0.35022E+06	3433.1
TPF	15.00%	86258.	5483.2	9914.0	0.39417E+06	4067.8
TPF	10.00%	99960.	7343.4	11361.	0.45112E+06	5540.8
TPF	5.00%	0.12444E+06	9781.6	14037.	0.55813E+06	7392.0
TPF	4.00%	0.13254E+06	9904.0	14992.	0.59756E+06	7401.4
TPF	3.00%	0.14180E+06	10044.	16084.	0.64268E+06	7412.1
TPF	2.00%	0.15857E+06	10298.	18063.	0.72436E+06	7431.6
TPF	1.00%	0.18190E+06	10651.	20815.	0.83799E+06	7458.6
TPF	0.10%	0.27833E+06	29325.	30451.	0.12064E+07	21926.
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 4 22.75% 36594. 27053.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	22.75%	36594.	1538.6	4285.4	0.17178E+06 1143.3
TPF	100.00%	291.79	9.0578	34.538	1388.1 6.7171
TPF	99.00%	2440.5	75.758	288.87	11610. 56.181
TPF	98.00%	3898.7	121.02	461.47	18547. 89.749
TPF	97.00%	4834.4	150.07	572.22	22999. 111.29
TPF	96.00%	5669.0	175.98	671.01	26969. 130.50
TPF	95.00%	6391.6	198.41	756.54	30407. 147.14
TPF	90.00%	9507.0	295.12	1125.3	45228. 218.85
TPF	85.00%	12264.	382.38	1451.6	58336. 283.56
TPF	80.00%	14726.	499.83	1740.6	69799. 370.51
TPF	75.00%	17187.	617.26	2029.5	81260. 457.45
TPF	70.00%	19661.	735.28	2319.9	92778. 544.82
TPF	65.00%	22186.	881.28	2606.9	0.10443E+06 655.35
TPF	60.00%	24764.	1033.1	2898.8	0.11630E+06 770.55
TPF	55.00%	27463.	1192.2	3204.5	0.12874E+06 891.18
TPF	50.00%	30319.	1313.2	3539.5	0.14214E+06 980.34
TPF	45.00%	33298.	1420.2	3893.6	0.15621E+06 1057.7
TPF	40.00%	36475.	1534.3	4271.4	0.17122E+06 1140.3
TPF	35.00%	40033.	1825.2	4671.8	0.18712E+06 1359.1
TPF	30.00%	44024.	2242.6	5108.4	0.20443E+06 1675.3
TPF	25.00%	48682.	2729.9	5618.1	0.22463E+06 2044.5
TPF	20.00%	54403.	3083.0	6277.3	0.25084E+06 2303.6
TPF	15.00%	61663.	3499.4	7118.0	0.28427E+06 2607.5
TPF	10.00%	71692.	4249.0	8264.6	0.32943E+06 3156.1
TPF	5.00%	88626.	5804.7	10164.	0.40401E+06 4322.3
TPF	4.00%	94041.	6539.9	10736.	0.42652E+06 4904.5
TPF	3.00%	0.10073E+06	7447.8	11442.	0.45431E+06 5623.4
TPF	2.00%	0.11090E+06	8828.8	12516.	0.49659E+06 6717.0
TPF	1.00%	0.12871E+06	9846.1	14540.	0.57891E+06 7397.0
TPF	0.10%	0.19231E+06	12648.	21857.	0.87787E+06 9004.5
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08 0.63575E+06

Rank 5 14.69% 28261. 20609.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	14.69%	28261.	1239.2	3294.8	0.13242E+06 926.86
TPF 100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF 99.00%	1697.7	52.701	200.95	8076.6	39.082
TPF 98.00%	3104.4	96.367	367.45	14769.	71.464
TPF 97.00%	3870.4	120.14	458.11	18413.	89.096
TPF 96.00%	4501.8	139.74	532.85	21416.	103.63
TPF 95.00%	5085.3	157.86	601.92	24193.	117.07
TPF 90.00%	7555.5	234.54	894.31	35944.	173.93
TPF 85.00%	9593.1	297.79	1135.5	45637.	220.83
TPF 80.00%	11570.	359.16	1369.5	55043.	266.35
TPF 75.00%	13441.	438.51	1589.7	63814.	325.12
TPF 70.00%	15285.	526.48	1806.1	72400.	390.24
TPF 65.00%	17200.	617.86	2031.0	81318.	457.89
TPF 60.00%	19181.	712.39	2263.6	90544.	527.88
TPF 55.00%	21256.	826.47	2501.6	0.10014E+06	613.78
TPF 50.00%	23422.	954.11	2746.9	0.11012E+06	710.60
TPF 45.00%	25780.	1093.0	3013.9	0.12098E+06	815.95
TPF 40.00%	28284.	1240.1	3297.6	0.13253E+06	927.50
TPF 35.00%	31108.	1341.5	3633.3	0.14587E+06	1000.8
TPF 30.00%	34189.	1452.2	3999.6	0.16042E+06	1080.9
TPF 25.00%	37630.	1575.8	4408.6	0.17668E+06	1170.3
TPF 20.00%	41946.	2025.2	4881.0	0.19541E+06	1510.6
TPF 15.00%	47411.	2597.0	5479.1	0.21912E+06	1943.7
TPF 10.00%	55014.	3118.0	6348.0	0.25365E+06	2329.2
TPF 5.00%	68092.	3956.7	7855.0	0.31335E+06	2942.0
TPF 4.00%	72177.	4288.4	8319.8	0.33159E+06	3185.0
TPF 3.00%	77625.	4730.8	8939.6	0.35592E+06	3509.0
TPF 2.00%	84941.	5324.8	9771.9	0.38858E+06	3944.0
TPF 1.00%	97765.	7045.5	11129.	0.44200E+06	5304.8
TPF 0.10%	0.14234E+06	10052.	16148.	0.64532E+06	7412.8
TPF 0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 6 8.30% 23080. 16574.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	8.30%	23080.	933.94	2708.1	0.10855E+06 695.30
TPF 100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF 99.00%	1310.6	40.683	155.12	6234.8	30.169
TPF 98.00%	2333.3	72.430	276.18	11100.	53.712
TPF 97.00%	3354.0	104.11	396.99	15956.	77.209
TPF 96.00%	3816.1	118.46	451.69	18154.	87.846
TPF 95.00%	4280.1	132.86	506.61	20362.	98.528
TPF 90.00%	6317.0	196.09	747.71	30052.	145.42
TPF 85.00%	8083.2	250.92	956.76	38454.	186.08
TPF 80.00%	9596.2	297.89	1135.8	45652.	220.91
TPF 75.00%	11152.	346.17	1320.0	53052.	256.71
TPF 70.00%	12700.	403.18	1502.7	60366.	298.96
TPF 65.00%	14205.	474.97	1679.4	67373.	352.11

TPF	60.00%	15767.	549.52	1862.8	74648.	407.30
TPF	55.00%	17441.	629.36	2059.3	82441.	466.41
TPF	50.00%	19202.	713.40	2266.1	90644.	528.63
TPF	45.00%	21095.	817.01	2483.4	99402.	606.60
TPF	40.00%	23131.	936.96	2713.9	0.10878E+06	697.59
TPF	35.00%	25401.	1070.7	2971.0	0.11924E+06	799.04
TPF	30.00%	27925.	1219.4	3256.8	0.13087E+06	911.86
TPF	25.00%	30882.	1333.4	3606.4	0.14480E+06	994.97
TPF	20.00%	34324.	1457.0	4015.6	0.16106E+06	1084.4
TPF	15.00%	38588.	1674.0	4513.7	0.18085E+06	1244.6
TPF	10.00%	44646.	2307.7	5176.5	0.20713E+06	1724.6
TPF	5.00%	54930.	3113.2	6338.3	0.25326E+06	2325.7
TPF	4.00%	58291.	3306.0	6727.6	0.26874E+06	2466.4
TPF	3.00%	62578.	3551.9	7224.1	0.28848E+06	2645.8
TPF	2.00%	68715.	4007.4	7926.0	0.31614E+06	2979.1
TPF	1.00%	79134.	4853.2	9111.2	0.36265E+06	3598.7
TPF	0.10%	0.11390E+06	9235.8	12832.	0.50905E+06	7039.3
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 7 4.14% 19619. 13864.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	4.14%	19619.	733.30	2315.0	92585.	543.36
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	1081.8	33.581	128.04	5146.4	24.903
TPF	98.00%	1876.2	58.242	222.08	8925.9	43.191
TPF	97.00%	2675.3	83.045	316.65	12727.	61.585
TPF	96.00%	3407.3	105.77	403.30	16209.	78.436
TPF	95.00%	3769.7	117.02	446.19	17933.	86.778
TPF	90.00%	5510.3	171.05	652.22	26214.	126.85
TPF	85.00%	6957.7	215.98	823.55	33100.	160.17
TPF	80.00%	8363.7	259.63	989.96	39789.	192.53
TPF	75.00%	9618.8	298.59	1138.5	45760.	221.43
TPF	70.00%	10925.	339.13	1293.1	51974.	251.49
TPF	65.00%	12277.	382.99	1453.1	58395.	284.01
TPF	60.00%	13574.	444.87	1605.3	64434.	329.82
TPF	55.00%	14940.	510.03	1765.7	70795.	378.06
TPF	50.00%	16399.	579.65	1937.0	77589.	429.60
TPF	45.00%	17989.	655.49	2123.6	84992.	485.76
TPF	40.00%	19697.	737.02	2324.2	92949.	546.11
TPF	35.00%	21602.	846.86	2540.8	0.10174E+06	629.24
TPF	30.00%	23705.	970.78	2779.0	0.11143E+06	723.25
TPF	25.00%	26192.	1117.3	3060.5	0.12288E+06	834.37
TPF	20.00%	29121.	1270.1	3397.1	0.13648E+06	949.23
TPF	15.00%	32786.	1401.8	3832.8	0.15380E+06	1044.4
TPF	10.00%	37692.	1580.3	4415.7	0.17696E+06	1173.6
TPF	5.00%	46233.	2473.7	5350.2	0.21401E+06	1850.4
TPF	4.00%	48878.	2750.4	5639.5	0.22548E+06	2060.0
TPF	3.00%	52504.	2974.1	6057.3	0.24209E+06	2224.1
TPF	2.00%	57449.	3257.7	6630.1	0.26486E+06	2431.1
TPF	1.00%	66083.	3793.7	7626.5	0.30438E+06	2822.6
TPF	0.10%	95069.	6679.4	10844.	0.43079E+06	5014.9
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 8 1.84% 17180. 11953.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	1.84%	17180.	616.91	2028.6	81226.	457.19
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	934.30	29.002	110.59	4444.8	21.508
TPF	98.00%	1581.1	49.082	187.15	7522.0	36.398
TPF	97.00%	2232.4	69.298	264.23	10620.	51.390
TPF	96.00%	2888.1	89.653	341.85	13740.	66.485
TPF	95.00%	3438.4	106.74	406.99	16358.	79.153
TPF	90.00%	4923.6	152.84	582.78	23423.	113.34
TPF	85.00%	6238.5	193.66	738.42	29679.	143.61
TPF	80.00%	7441.8	231.01	880.85	35403.	171.31
TPF	75.00%	8589.4	266.63	1016.7	40862.	197.73
TPF	70.00%	9684.6	300.63	1146.3	46073.	222.94
TPF	65.00%	10835.	336.35	1282.5	51546.	249.43
TPF	60.00%	12049.	374.03	1426.2	57321.	277.37
TPF	55.00%	13227.	428.30	1564.6	62818.	317.56
TPF	50.00%	14471.	487.68	1710.7	68613.	361.52
TPF	45.00%	15808.	551.44	1867.6	74836.	408.72
TPF	40.00%	17294.	622.37	2042.1	81759.	461.23
TPF	35.00%	18927.	700.29	2233.8	89363.	518.92
TPF	30.00%	20765.	797.53	2446.0	97879.	591.83
TPF	25.00%	22877.	921.96	2685.1	0.10761E+06	686.21
TPF	20.00%	25414.	1071.5	2972.4	0.11930E+06	799.61
TPF	15.00%	28584.	1250.8	3333.2	0.13394E+06	935.27
TPF	10.00%	32945.	1407.5	3851.7	0.15455E+06	1048.6
TPF	5.00%	40113.	1833.5	4680.5	0.18746E+06	1365.4
TPF	4.00%	42375.	2070.1	4928.0	0.19727E+06	1544.7
TPF	3.00%	45403.	2386.8	5259.3	0.21041E+06	1784.6
TPF	2.00%	49540.	2804.0	5714.0	0.22844E+06	2100.1
TPF	1.00%	56821.	3221.7	6557.3	0.26197E+06	2404.8
TPF	0.10%	81622.	5055.3	9394.3	0.37376E+06	3746.7
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 9 0.74% 15390. 10553.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.74%	15390.	531.49	1818.5	72889.	393.95
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	833.26	25.866	98.628	3964.1	19.182
TPF	98.00%	1378.8	42.799	163.20	6559.2	31.739
TPF	97.00%	1928.3	59.860	228.25	9173.8	44.391
TPF	96.00%	2482.1	77.050	293.79	11808.	57.139
TPF	95.00%	3040.1	94.372	359.84	14463.	69.984
TPF	90.00%	4491.2	139.42	531.60	21366.	103.39
TPF	85.00%	5696.3	176.83	674.24	27099.	131.13
TPF	80.00%	6739.5	209.21	797.71	32062.	155.14
TPF	75.00%	7842.7	243.45	928.29	37310.	180.54
TPF	70.00%	8807.1	273.39	1042.4	41898.	202.74
TPF	65.00%	9800.5	304.23	1160.0	46624.	225.61

TPF	60.00%	10853.	336.90	1284.6	51632.	249.84
TPF	55.00%	11974.	371.70	1417.3	56964.	275.64
TPF	50.00%	13081.	421.34	1547.4	62138.	312.40
TPF	45.00%	14256.	477.42	1685.4	67612.	353.92
TPF	40.00%	15536.	538.48	1835.7	73571.	399.13
TPF	35.00%	16975.	607.14	2004.6	80272.	449.96
TPF	30.00%	18598.	684.56	2195.1	87828.	507.27
TPF	25.00%	20462.	779.66	2411.6	96482.	578.27
TPF	20.00%	22690.	910.96	2664.0	0.10675E+06	677.86
TPF	15.00%	25499.	1076.5	2982.1	0.11969E+06	803.43
TPF	10.00%	29356.	1278.6	3425.0	0.13759E+06	955.34
TPF	5.00%	35682.	1505.8	4177.1	0.16748E+06	1119.7
TPF	4.00%	37596.	1574.6	4404.5	0.17652E+06	1169.4
TPF	3.00%	40243.	1847.1	4694.7	0.18802E+06	1375.7
TPF	2.00%	43843.	2223.7	5088.6	0.20364E+06	1661.0
TPF	1.00%	50114.	2837.0	5780.5	0.23109E+06	2124.1
TPF	0.10%	71528.	4235.7	8245.9	0.32869E+06	3146.4
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 10 0.28% 14034. 9494.9

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

Mean	0.28%	14034.	466.79	1659.3	66574.	346.05
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	760.93	23.621	90.067	3620.0	17.517
TPF	98.00%	1233.8	38.299	146.03	5869.5	28.402
TPF	97.00%	1710.4	53.094	202.45	8136.9	39.373
TPF	96.00%	2190.9	68.009	259.32	10423.	50.434
TPF	95.00%	2675.3	83.045	316.65	12727.	61.585
TPF	90.00%	4160.3	129.14	492.43	19792.	95.770
TPF	85.00%	5252.5	163.05	621.71	24988.	120.91
TPF	80.00%	6253.0	194.11	740.13	29747.	143.94
TPF	75.00%	7186.5	223.08	850.62	34188.	165.43
TPF	70.00%	8165.0	253.46	966.44	38843.	187.96
TPF	65.00%	9040.1	280.62	1070.0	43007.	208.10
TPF	60.00%	9970.1	309.49	1180.1	47431.	229.51
TPF	55.00%	10964.	340.34	1297.7	52158.	252.39
TPF	50.00%	12032.	373.49	1424.1	57239.	276.97
TPF	45.00%	13093.	421.93	1548.9	62196.	312.84
TPF	40.00%	14240.	476.64	1683.5	67536.	353.34
TPF	35.00%	15508.	537.14	1832.4	73440.	398.13
TPF	30.00%	16960.	606.43	2002.8	80203.	449.43
TPF	25.00%	18639.	686.54	2200.0	88022.	508.74
TPF	20.00%	20638.	790.04	2431.6	97293.	586.14
TPF	15.00%	23141.	937.54	2715.1	0.10883E+06	698.03
TPF	10.00%	26608.	1141.8	3107.6	0.12480E+06	852.97
TPF	5.00%	32324.	1385.2	3777.8	0.15161E+06	1032.4
TPF	4.00%	34115.	1449.5	3990.7	0.16007E+06	1078.9
TPF	3.00%	36359.	1530.2	4257.6	0.17068E+06	1137.3
TPF	2.00%	39567.	1776.4	4620.8	0.18509E+06	1322.1
TPF	1.00%	45083.	2353.4	5224.3	0.20902E+06	1759.2
TPF	0.10%	63750.	3619.2	7359.8	0.29388E+06	2694.9
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 11 0.10% 12974. 8667.6

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.10%	12974.	416.26	1534.9	61642.	308.64
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	707.23	21.954	83.710	3364.5	16.280
TPF	98.00%	1126.1	34.956	133.29	5357.1	25.922
TPF	97.00%	1548.4	48.066	183.28	7366.3	35.645
TPF	96.00%	1974.3	61.286	233.69	9392.3	45.448
TPF	95.00%	2403.8	74.618	284.52	11436.	55.335
TPF	90.00%	3913.4	121.48	463.21	18617.	90.087
TPF	85.00%	4920.6	152.74	582.42	23409.	113.27
TPF	80.00%	5878.3	182.48	695.78	27965.	135.32
TPF	75.00%	6706.1	208.17	793.76	31903.	154.38
TPF	70.00%	7612.5	236.31	901.04	36215.	175.24
TPF	65.00%	8464.2	262.75	1001.9	40267.	194.85
TPF	60.00%	9299.1	288.66	1100.7	44239.	214.07
TPF	55.00%	10193.	316.41	1206.5	48492.	234.65
TPF	50.00%	11156.	346.32	1320.5	53074.	256.82
TPF	45.00%	12199.	379.25	1443.9	58030.	281.24
TPF	40.00%	13239.	428.86	1565.9	62872.	317.97
TPF	35.00%	14392.	483.88	1701.3	68242.	358.70
TPF	30.00%	15690.	545.83	1853.7	74289.	404.57
TPF	25.00%	17219.	618.79	2033.3	81410.	458.58
TPF	20.00%	19038.	705.58	2246.8	89880.	522.84
TPF	15.00%	21327.	830.65	2509.6	0.10047E+06	616.95
TPF	10.00%	24438.	1014.0	2862.0	0.11481E+06	756.01
TPF	5.00%	29658.	1289.4	3460.9	0.13902E+06	963.17
TPF	4.00%	31299.	1348.4	3656.0	0.14677E+06	1005.8
TPF	3.00%	33358.	1422.4	3900.8	0.15650E+06	1059.3
TPF	2.00%	36215.	1524.9	4240.3	0.16999E+06	1133.5
TPF	1.00%	41119.	1938.7	4790.6	0.19182E+06	1445.1
TPF	0.10%	57717.	3273.1	6661.0	0.26610E+06	2442.3
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 12 0.03% 12114. 7991.8

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.03%	12114.	376.05	1433.9	57632.	278.87
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	665.68	20.664	78.792	3166.8	15.324
TPF	98.00%	1042.7	32.368	123.42	4960.5	24.003
TPF	97.00%	1423.0	44.172	168.43	6769.5	32.757
TPF	96.00%	1806.5	56.077	213.82	8594.1	41.586
TPF	95.00%	2193.4	68.086	259.62	10435.	50.491
TPF	90.00%	3721.6	115.53	440.51	17705.	85.672
TPF	85.00%	4654.5	144.49	550.93	22143.	107.15
TPF	80.00%	5527.5	171.58	654.26	26296.	127.24
TPF	75.00%	6343.4	196.91	750.83	30177.	146.03
TPF	70.00%	7139.7	221.63	845.08	33966.	164.36
TPF	65.00%	8011.4	248.69	948.26	38113.	184.42

TPF	60.00%	8769.9	272.24	1038.0	41721.	201.88
TPF	55.00%	9583.4	297.49	1134.3	45591.	220.61
TPF	50.00%	10461.	324.74	1238.3	49768.	240.82
TPF	45.00%	11417.	354.39	1351.3	54312.	262.81
TPF	40.00%	12437.	390.64	1471.9	59142.	289.67
TPF	35.00%	13495.	441.09	1596.0	64065.	327.02
TPF	30.00%	14688.	498.03	1736.1	69623.	369.18
TPF	25.00%	16066.	563.76	1897.9	76038.	417.84
TPF	20.00%	17747.	643.99	2095.3	83869.	477.24
TPF	15.00%	19833.	743.49	2340.1	93581.	550.91
TPF	10.00%	22706.	911.88	2665.8	0.10682E+06	678.57
TPF	5.00%	27447.	1191.2	3202.7	0.12867E+06	890.47
TPF	4.00%	28942.	1263.7	3375.8	0.13564E+06	944.59
TPF	3.00%	30871.	1333.0	3605.1	0.14475E+06	994.69
TPF	2.00%	33492.	1427.2	3916.7	0.15713E+06	1062.8
TPF	1.00%	37826.	1594.3	4430.3	0.17754E+06	1184.2
TPF	0.10%	52742.	2987.7	6084.9	0.24319E+06	2234.1
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 13 0.01% 11374. 7405.1

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

Mean	0.01%	11374.	353.08	1346.3	54110.	261.83
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	631.62	19.607	74.761	3004.8	14.540
TPF	98.00%	974.36	30.246	115.33	4635.4	22.430
TPF	97.00%	1320.1	40.978	156.25	6280.0	30.388
TPF	96.00%	1668.8	51.804	197.53	7939.1	38.417
TPF	95.00%	2020.7	62.726	239.17	9613.0	46.516
TPF	90.00%	3563.9	110.63	421.84	16955.	82.042
TPF	85.00%	4413.4	137.00	522.39	20996.	101.60
TPF	80.00%	5237.8	162.59	619.97	24918.	120.58
TPF	75.00%	6043.2	187.59	715.30	28750.	139.12
TPF	70.00%	6757.6	209.77	799.86	32148.	155.56
TPF	65.00%	7555.9	234.55	894.35	35946.	173.94
TPF	60.00%	8328.7	258.54	985.82	39622.	191.73
TPF	55.00%	9073.6	281.66	1074.0	43166.	208.88
TPF	50.00%	9878.6	306.65	1169.3	46996.	227.41
TPF	45.00%	10755.	333.87	1273.0	51166.	247.59
TPF	40.00%	11719.	363.79	1387.2	55753.	269.78
TPF	35.00%	12734.	404.78	1506.7	60522.	300.15
TPF	30.00%	13834.	457.28	1635.9	65646.	339.01
TPF	25.00%	15104.	517.87	1785.0	71560.	383.87
TPF	20.00%	16634.	590.84	1964.5	78682.	437.89
TPF	15.00%	18569.	683.18	2191.7	87694.	506.25
TPF	10.00%	21205.	823.49	2495.9	99909.	611.51
TPF	5.00%	25545.	1079.2	2987.3	0.11990E+06	805.48
TPF	4.00%	26911.	1159.7	3142.0	0.12620E+06	866.52
TPF	3.00%	28638.	1252.8	3339.7	0.13420E+06	936.68
TPF	2.00%	31089.	1340.8	3631.0	0.14578E+06	1000.3
TPF	1.00%	35106.	1485.1	4108.6	0.16475E+06	1104.7
TPF	0.10%	48309.	2690.8	5577.2	0.22301E+06	2014.8
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 14 0.00% 10684. 6854.0

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	10684.	331.66	1264.6	50828.	245.95
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	601.48	18.671	71.194	2861.5	13.846
TPF	98.00%	913.86	28.368	108.17	4347.5	21.037
TPF	97.00%	1229.0	38.150	145.47	5846.7	28.291
TPF	96.00%	1546.9	48.019	183.10	7359.1	35.610
TPF	95.00%	1867.7	57.976	221.06	8885.0	42.993
TPF	90.00%	3424.0	106.29	405.27	16289.	78.820
TPF	85.00%	4199.0	130.34	497.01	19976.	96.661
TPF	80.00%	4979.7	154.58	589.41	23690.	114.63
TPF	75.00%	5739.2	178.16	679.31	27303.	132.12
TPF	70.00%	6427.9	199.53	760.83	30579.	147.97
TPF	65.00%	7135.4	221.50	844.58	33945.	164.26
TPF	60.00%	7924.8	246.00	938.01	37701.	182.43
TPF	55.00%	8613.2	267.37	1019.5	40976.	198.28
TPF	50.00%	9350.4	290.25	1106.7	44483.	215.25
TPF	45.00%	10154.	315.19	1201.8	48305.	233.74
TPF	40.00%	11038.	342.64	1306.5	52510.	254.09
TPF	35.00%	12023.	373.20	1423.0	57195.	276.76
TPF	30.00%	13046.	419.69	1543.4	61977.	311.18
TPF	25.00%	14214.	475.40	1680.5	67415.	352.43
TPF	20.00%	15604.	541.73	1843.6	73888.	401.53
TPF	15.00%	17377.	626.33	2051.8	82145.	464.17
TPF	10.00%	19780.	740.98	2333.9	93335.	549.04
TPF	5.00%	23721.	971.71	2780.7	0.11150E+06	723.95
TPF	4.00%	24980.	1045.9	2923.3	0.11730E+06	780.21
TPF	3.00%	26572.	1139.7	3103.6	0.12464E+06	851.38
TPF	2.00%	28758.	1257.1	3353.9	0.13477E+06	939.79
TPF	1.00%	32449.	1389.7	3792.8	0.15221E+06	1035.7
TPF	0.10%	44279.	2269.3	5136.4	0.20553E+06	1695.5
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 15 0.00% 9965.6 6285.6

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	9965.6	309.35	1179.6	47409.	229.41
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	571.87	17.752	67.689	2720.6	13.165
TPF	98.00%	854.38	26.522	101.13	4064.6	19.668
TPF	97.00%	1139.4	35.368	134.86	5420.4	26.228
TPF	96.00%	1426.9	44.293	168.89	6788.1	32.847
TPF	95.00%	1717.0	53.298	203.23	8168.1	39.525
TPF	90.00%	3207.7	99.575	379.68	15260.	73.843
TPF	85.00%	3986.5	123.75	471.86	18965.	91.770
TPF	80.00%	4723.0	146.61	559.04	22469.	108.72
TPF	75.00%	5409.7	167.93	640.31	25736.	124.53
TPF	70.00%	6097.7	189.28	721.75	29009.	140.37
TPF	65.00%	6725.0	208.76	795.99	31993.	154.81

TPF	60.00%	7426.2	230.52	878.99	35329.	170.95
TPF	55.00%	8146.6	252.89	964.27	38756.	187.54
TPF	50.00%	8812.7	273.57	1043.1	41925.	202.87
TPF	45.00%	9538.7	296.10	1129.0	45379.	219.58
TPF	40.00%	10338.	320.90	1223.6	49180.	237.97
TPF	35.00%	11228.	348.53	1329.0	53414.	258.47
TPF	30.00%	12229.	380.68	1447.4	58170.	282.30
TPF	25.00%	13286.	431.11	1571.5	63092.	319.64
TPF	20.00%	14545.	491.21	1719.3	68957.	364.13
TPF	15.00%	16121.	566.40	1904.4	76296.	419.80
TPF	10.00%	18309.	670.80	2161.3	86486.	497.09
TPF	5.00%	21875.	862.92	2571.7	0.10299E+06	641.43
TPF	4.00%	22980.	928.02	2696.8	0.10808E+06	690.81
TPF	3.00%	24390.	1011.1	2856.5	0.11458E+06	753.85
TPF	2.00%	26390.	1128.9	3082.9	0.12380E+06	843.22
TPF	1.00%	29714.	1291.4	3467.6	0.13928E+06	964.64
TPF	0.10%	40307.	1853.8	4701.8	0.18830E+06	1380.8
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 16 0.00% 9085.9 5641.0

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

Mean	0.00%	9085.9	282.05	1075.4	43225.	209.16
TPF	100.00%	291.79	9.0578	34.538	1388.1	6.7171
TPF	99.00%	536.21	16.645	63.468	2550.9	12.344
TPF	98.00%	782.66	24.295	92.639	3723.4	18.017
TPF	97.00%	1031.2	32.011	122.06	4905.8	23.738
TPF	96.00%	1281.9	39.792	151.73	6098.3	29.509
TPF	95.00%	1534.7	47.640	181.65	7301.1	35.329
TPF	90.00%	2833.0	87.943	335.33	13478.	65.216
TPF	85.00%	3727.3	115.70	441.18	17732.	85.803
TPF	80.00%	4367.6	135.58	516.97	20778.	100.54
TPF	75.00%	5004.8	155.36	592.39	23810.	115.21
TPF	70.00%	5635.5	174.94	667.04	26810.	129.73
TPF	65.00%	6234.9	193.54	737.99	29662.	143.53
TPF	60.00%	6815.8	211.58	806.75	32425.	156.90
TPF	55.00%	7473.9	232.01	884.64	35556.	172.05
TPF	50.00%	8146.7	252.89	964.28	38756.	187.54
TPF	45.00%	8776.8	272.45	1038.9	41754.	202.04
TPF	40.00%	9471.0	294.00	1121.0	45057.	218.02
TPF	35.00%	10246.	318.05	1212.7	48742.	235.86
TPF	30.00%	11124.	345.32	1316.7	52922.	256.08
TPF	25.00%	12143.	376.95	1437.3	57768.	279.53
TPF	20.00%	13250.	429.42	1567.3	62927.	318.38
TPF	15.00%	14636.	495.55	1730.0	69381.	367.34
TPF	10.00%	16538.	586.27	1953.2	78235.	434.51
TPF	5.00%	19687.	736.54	2323.0	92901.	545.75
TPF	4.00%	20681.	792.60	2436.5	97493.	588.09
TPF	3.00%	21943.	866.93	2579.4	0.10331E+06	644.47
TPF	2.00%	23668.	968.60	2774.8	0.11126E+06	721.59
TPF	1.00%	26641.	1143.8	3111.4	0.12496E+06	854.47
TPF	0.10%	36111.	1521.2	4228.1	0.16950E+06	1130.8
TPF	0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06

Rank 17 0.00% 7770.1 4873.1

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	7770.1	241.20	919.70	36965.	178.87
TPF 100.00%	291.79	9.0578	34.538	1388.1	6.7171	
TPF 99.00%	472.48	14.667	55.925	2247.8	10.877	
TPF 98.00%	654.90	20.329	77.516	3115.6	15.076	
TPF 97.00%	839.08	26.047	99.317	3991.8	19.316	
TPF 96.00%	1025.1	31.820	121.33	4876.5	23.597	
TPF 95.00%	1212.9	37.650	143.56	5769.9	27.920	
TPF 90.00%	2180.7	67.694	258.12	10374.	50.200	
TPF 85.00%	3200.6	99.353	378.83	15226.	73.678	
TPF 80.00%	3765.7	116.90	445.73	17915.	86.688	
TPF 75.00%	4278.3	132.81	506.39	20353.	98.486	
TPF 70.00%	4811.9	149.37	569.55	22892.	110.77	
TPF 65.00%	5327.4	165.37	630.58	25344.	122.64	
TPF 60.00%	5881.8	182.58	696.19	27982.	135.40	
TPF 55.00%	6377.6	197.97	754.88	30340.	146.81	
TPF 50.00%	6908.0	214.44	817.65	32863.	159.02	
TPF 45.00%	7528.2	233.69	891.07	35814.	173.30	
TPF 40.00%	8166.7	253.51	966.64	38852.	188.00	
TPF 35.00%	8790.3	272.87	1040.5	41818.	202.35	
TPF 30.00%	9504.1	295.03	1124.9	45214.	218.78	
TPF 25.00%	10340.	320.97	1223.9	49191.	238.03	
TPF 20.00%	11351.	352.36	1343.5	54000.	261.30	
TPF 15.00%	12591.	397.97	1489.9	59857.	295.10	
TPF 10.00%	14199.	474.70	1678.7	67346.	351.91	
TPF 5.00%	16889.	603.01	1994.4	79869.	446.90	
TPF 4.00%	17748.	644.04	2095.4	83873.	477.27	
TPF 3.00%	18840.	696.14	2223.6	88959.	515.85	
TPF 2.00%	20362.	773.77	2400.3	96021.	573.80	
TPF 1.00%	22933.	925.27	2691.5	0.10787E+06	688.73	
TPF 0.10%	31375.	1351.1	3665.1	0.14713E+06	1007.8	
TPF 0.00%	0.43648E+07	0.82160E+06	0.43872E+06	0.16811E+08	0.63575E+06	