

# GEOLOGIC ECONOMIC RESOURCE MODEL MODULE PSRK

Geologic Economic Resource Model (Ver 8.29.2005)

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The Current UAI AAAAADAM 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 12 - L. Brookian Wrench Zone - Torok Turbidites

Geologist Kirk W. Sherwood

Remarks 2005 Assessment

Run date Date 16-SEP-05 Time 10:25:55

## 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 = 99185.

S.D. = 0.17194E+06

MU = 10.793

SIG.SQ. = 1.4300

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

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Mean	%	99185.	36257.	11348.	0.21520E+06	74685.
TPF 100.00%	329.83	142.98	30.182	590.16	290.28	
TPF 99.00%	3122.7	1353.7	285.75	5587.4	2748.3	
TPF 98.00%	4226.5	1832.3	386.77	7562.5	3719.8	
TPF 97.00%	5143.8	2229.9	470.70	9203.7	4527.0	
TPF 96.00%	6030.8	2614.4	551.87	10791.	5307.7	
TPF 95.00%	6821.0	2957.0	624.18	12205.	6003.1	
TPF 90.00%	10421.	4517.6	953.62	18646.	9171.6	
TPF 85.00%	13954.	5878.9	1346.3	25900.	11914.	
TPF 80.00%	17700.	7322.3	1762.7	33591.	14823.	
TPF 75.00%	21527.	8701.6	2191.9	42073.	17689.	
TPF 70.00%	25758.	10226.	2666.3	51446.	20857.	
TPF 65.00%	30423.	11949.	3197.4	61482.	24372.	
TPF 60.00%	35696.	13897.	3797.7	72823.	28345.	
TPF 55.00%	41888.	16108.	4527.5	86641.	32801.	
TPF 50.00%	48834.	18588.	5346.0	0.10214E+06	37799.	
TPF 45.00%	56749.	21207.	6373.8	0.12074E+06	43184.	
TPF 40.00%	66313.	24372.	7616.0	0.14322E+06	49691.	
TPF 35.00%	77897.	28881.	8787.2	0.16679E+06	59288.	
TPF 30.00%	92129.	34422.	10226.	0.19576E+06	71080.	

TPF	25.00%	0.11012E+06	39099.	13086.	0.24531E+06	80271.
TPF	20.00%	0.13406E+06	45322.	16892.	0.31125E+06	92502.
TPF	15.00%	0.16892E+06	59300.	20324.	0.37974E+06	0.12212E+06
TPF	10.00%	0.22603E+06	82192.	25946.	0.49192E+06	0.17063E+06
TPF	5.00%	0.34590E+06	0.11336E+06	44792.	0.82051E+06	0.23464E+06
TPF	4.00%	0.39181E+06	0.12530E+06	52009.	0.94634E+06	0.25916E+06
TPF	3.00%	0.45215E+06	0.14099E+06	61495.	0.11117E+07	0.29138E+06
TPF	2.00%	0.55587E+06	0.16796E+06	77803.	0.13961E+07	0.34678E+06
TPF	1.00%	0.77727E+06	0.22552E+06	0.11261E+06	0.20029E+07	0.46502E+06
TPF	0.10%	0.18972E+07	0.51673E+06	0.28868E+06	0.50729E+07	0.10631E+07
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

### C) No.of Pools Distribution

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Lower Support = 0  
Upper Support = 24  
Expectation = 5.02  
Standard Deviation= 2.48

Rank 1 99.01% 0.28259E+06 0.40072E+06

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	99.01%	0.28259E+06	96898.	34838.	0.64696E+06	0.20083E+06
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	14651.	6147.5	1423.8	27331.	12455.
TPF	98.00%	21625.	8736.8	2202.9	42289.	17762.
TPF	97.00%	27223.	10767.	2833.2	54599.	21961.
TPF	96.00%	32048.	12550.	3382.5	64977.	25597.
TPF	95.00%	36412.	14153.	3882.1	74421.	28860.
TPF	90.00%	54910.	20599.	6135.0	0.11642E+06	41933.
TPF	85.00%	70729.	26091.	8062.5	0.15221E+06	53350.
TPF	80.00%	85574.	31870.	9563.5	0.18242E+06	65648.
TPF	75.00%	0.10007E+06	36486.	11488.	0.21763E+06	75135.
TPF	70.00%	0.11440E+06	40211.	13766.	0.25709E+06	82456.
TPF	65.00%	0.12931E+06	44088.	16137.	0.29818E+06	90077.
TPF	60.00%	0.14594E+06	50085.	18062.	0.33459E+06	0.10260E+06
TPF	55.00%	0.16249E+06	56720.	19691.	0.36710E+06	0.11665E+06
TPF	50.00%	0.18259E+06	64777.	21669.	0.40658E+06	0.13372E+06
TPF	45.00%	0.20443E+06	73535.	23820.	0.44950E+06	0.15228E+06
TPF	40.00%	0.22434E+06	81514.	25779.	0.48860E+06	0.16919E+06
TPF	35.00%	0.26084E+06	91244.	31419.	0.58735E+06	0.18922E+06
TPF	30.00%	0.29628E+06	0.10046E+06	36991.	0.68450E+06	0.20815E+06
TPF	25.00%	0.32922E+06	0.10902E+06	42168.	0.77477E+06	0.22573E+06
TPF	20.00%	0.37282E+06	0.12036E+06	49024.	0.89430E+06	0.24902E+06
TPF	15.00%	0.43940E+06	0.13767E+06	59490.	0.10768E+07	0.28457E+06
TPF	10.00%	0.54759E+06	0.16580E+06	76500.	0.13734E+07	0.34235E+06
TPF	5.00%	0.77470E+06	0.22485E+06	0.11221E+06	0.19959E+07	0.46364E+06
TPF	4.00%	0.10200E+07	0.28863E+06	0.15077E+06	0.26682E+07	0.59463E+06
TPF	3.00%	0.12744E+07	0.35478E+06	0.19076E+06	0.33656E+07	0.73050E+06
TPF	2.00%	0.15261E+07	0.42023E+06	0.23034E+06	0.40556E+07	0.86493E+06
TPF	1.00%	0.17752E+07	0.48499E+06	0.26950E+06	0.47383E+07	0.99795E+06
TPF	0.10%	0.52557E+07	0.13900E+07	0.81668E+06	0.14279E+08	0.28567E+07
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 2 94.74% 0.11231E+06 0.10282E+06

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	94.74%	0.11231E+06	39669.	13435.	0.25136E+06 81393.
TPF 100.00%	329.83	142.98	30.182	590.16	290.28
TPF 99.00%	6520.7	2826.8	596.70	11667.	5738.9
TPF 98.00%	9408.6	4078.7	860.97	16835.	8280.5
TPF 97.00%	11893.	5084.7	1117.2	21668.	10314.
TPF 96.00%	14100.	5935.1	1362.5	26199.	12028.
TPF 95.00%	16205.	6746.3	1596.5	30521.	13662.
TPF 90.00%	24949.	9934.5	2575.6	49654.	20251.
TPF 85.00%	32640.	12768.	3449.8	66250.	26043.
TPF 80.00%	40032.	15445.	4308.7	82498.	31465.
TPF 75.00%	47229.	18015.	5156.9	98558.	36645.
TPF 70.00%	54315.	20402.	6057.8	0.11502E+06	41528.
TPF 65.00%	61633.	22823.	7008.1	0.13222E+06	46507.
TPF 60.00%	69205.	25498.	7908.3	0.14910E+06	52087.
TPF 55.00%	77059.	28555.	8702.5	0.16509E+06	58594.
TPF 50.00%	85844.	31975.	9590.8	0.18297E+06	65872.
TPF 45.00%	94866.	35134.	10661.	0.20330E+06	72478.
TPF 40.00%	0.10504E+06	37778.	12279.	0.23132E+06	77675.
TPF 35.00%	0.11639E+06	40730.	14084.	0.26260E+06	83478.
TPF 30.00%	0.12910E+06	44034.	16104.	0.29760E+06	89971.
TPF 25.00%	0.14514E+06	49764.	17983.	0.33301E+06	0.10191E+06
TPF 20.00%	0.16353E+06	57139.	19794.	0.36915E+06	0.11754E+06
TPF 15.00%	0.19113E+06	68200.	22510.	0.42336E+06	0.14098E+06
TPF 10.00%	0.22435E+06	81520.	25781.	0.48863E+06	0.16920E+06
TPF 5.00%	0.30356E+06	0.10235E+06	38135.	0.70445E+06	0.21203E+06
TPF 4.00%	0.32271E+06	0.10733E+06	41146.	0.75695E+06	0.22226E+06
TPF 3.00%	0.34379E+06	0.11281E+06	44460.	0.81473E+06	0.23352E+06
TPF 2.00%	0.38812E+06	0.12434E+06	51429.	0.93624E+06	0.25719E+06
TPF 1.00%	0.47075E+06	0.14582E+06	64420.	0.11627E+07	0.30132E+06
TPF 0.10%	0.95056E+06	0.27058E+06	0.13985E+06	0.24779E+07	0.55756E+06
TPF 0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 3 85.30% 66545. 56104.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	85.30%	66545.	24462.	7639.4	0.14369E+06 49883.
TPF 100.00%	329.83	142.98	30.182	590.16	290.28
TPF 99.00%	4162.9	1804.7	380.94	7448.7	3663.8
TPF 98.00%	5844.6	2533.7	534.83	10458.	5143.8
TPF 97.00%	7218.9	3129.5	660.60	12917.	6353.4
TPF 96.00%	8432.7	3655.7	771.67	15089.	7421.6
TPF 95.00%	9596.3	4160.1	878.15	17171.	8445.7
TPF 90.00%	14763.	6190.9	1436.3	27562.	12543.
TPF 85.00%	19412.	7939.2	1954.7	37385.	16105.
TPF 80.00%	23760.	9506.2	2442.3	47020.	19361.
TPF 75.00%	28079.	11083.	2930.6	56439.	22606.
TPF 70.00%	32444.	12696.	3427.5	65828.	25894.
TPF 65.00%	36958.	14348.	3946.5	75640.	29253.

TPF	60.00%	41726.	16050.	4508.3	86278.	32684.
TPF	55.00%	46779.	17854.	5103.8	97553.	36321.
TPF	50.00%	52033.	19647.	5761.4	0.10966E+06	39976.
TPF	45.00%	57534.	21467.	6475.8	0.12258E+06	43718.
TPF	40.00%	63876.	23566.	7299.4	0.13749E+06	48033.
TPF	35.00%	70960.	26181.	8085.8	0.15267E+06	53541.
TPF	30.00%	78724.	29204.	8870.9	0.16848E+06	59974.
TPF	25.00%	88235.	32906.	9832.6	0.18784E+06	67854.
TPF	20.00%	99685.	36386.	11428.	0.21657E+06	74940.
TPF	15.00%	0.11398E+06	40102.	13700.	0.25595E+06	82243.
TPF	10.00%	0.13389E+06	45279.	16866.	0.31080E+06	92418.
TPF	5.00%	0.17065E+06	59992.	20494.	0.38314E+06	0.12359E+06
TPF	4.00%	0.18554E+06	65962.	21960.	0.41239E+06	0.13624E+06
TPF	3.00%	0.20249E+06	72755.	23628.	0.44568E+06	0.15063E+06
TPF	2.00%	0.22279E+06	80895.	25627.	0.48557E+06	0.16788E+06
TPF	1.00%	0.27646E+06	95306.	33875.	0.63017E+06	0.19756E+06
TPF	0.10%	0.42550E+06	0.13406E+06	57306.	0.10387E+07	0.27716E+06
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 4 71.04% 45645. 37690.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	71.04%	45645.	17449.	4970.2	95023.	35505.
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	3186.4	1381.3	291.59	5701.4	2804.4
TPF	98.00%	4314.5	1870.4	394.81	7719.8	3797.1
TPF	97.00%	5246.0	2274.2	480.06	9386.6	4617.0
TPF	96.00%	6123.2	2654.5	560.33	10956.	5389.0
TPF	95.00%	6894.3	2988.7	630.89	12336.	6067.6
TPF	90.00%	10276.	4454.6	940.31	18386.	9043.5
TPF	85.00%	13369.	5653.6	1281.3	24699.	11460.
TPF	80.00%	16418.	6828.3	1620.2	30959.	13827.
TPF	75.00%	19382.	7928.4	1951.3	37318.	16082.
TPF	70.00%	22321.	8987.7	2281.0	43832.	18284.
TPF	65.00%	25374.	10088.	2623.3	50597.	20570.
TPF	60.00%	28606.	11278.	2990.6	57574.	23003.
TPF	55.00%	31988.	12527.	3375.6	64848.	25551.
TPF	50.00%	35556.	13845.	3781.8	72523.	28240.
TPF	45.00%	39696.	15325.	4269.1	81749.	31224.
TPF	40.00%	44113.	16902.	4789.6	91603.	34402.
TPF	35.00%	48858.	18596.	5349.1	0.10219E+06	37816.
TPF	30.00%	54398.	20429.	6068.5	0.11521E+06	41585.
TPF	25.00%	60878.	22574.	6910.1	0.13044E+06	45994.
TPF	20.00%	68709.	25305.	7858.2	0.14809E+06	51676.
TPF	15.00%	78717.	29201.	8870.1	0.16846E+06	59968.
TPF	10.00%	92906.	34624.	10350.	0.19790E+06	71476.
TPF	5.00%	0.11793E+06	41129.	14328.	0.26682E+06	84261.
TPF	4.00%	0.12593E+06	43209.	15600.	0.28886E+06	88349.
TPF	3.00%	0.13572E+06	45987.	17055.	0.31451E+06	93912.
TPF	2.00%	0.15229E+06	52630.	18686.	0.34706E+06	0.10799E+06
TPF	1.00%	0.17946E+06	63522.	21361.	0.40043E+06	0.13107E+06
TPF	0.10%	0.29047E+06	98947.	36077.	0.66856E+06	0.20504E+06
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 5 54.41% 34184. 27804.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	54.41%	34184.	13338.	3625.6	69572. 27206.
TPF 100.00%	329.83	142.98	30.182	590.16	290.28
TPF 99.00%	2222.7	963.58	203.40	3977.1	1956.2
TPF 98.00%	3510.3	1521.8	321.23	6281.0	3089.4
TPF 97.00%	4245.3	1840.4	388.48	7596.0	3736.3
TPF 96.00%	4855.4	2104.9	444.31	8687.7	4273.2
TPF 95.00%	5451.5	2363.3	498.86	9754.2	4797.8
TPF 90.00%	7972.8	3456.3	729.58	14266.	7016.8
TPF 85.00%	10259.	4447.4	938.80	18356.	9029.0
TPF 80.00%	12462.	5304.0	1180.5	22837.	10756.
TPF 75.00%	14669.	6154.4	1425.8	27368.	12469.
TPF 70.00%	16940.	7029.8	1678.3	32032.	14233.
TPF 65.00%	19231.	7874.0	1934.4	36983.	15969.
TPF 60.00%	21534.	8704.1	2192.7	42088.	17694.
TPF 55.00%	24089.	9624.7	2479.2	47749.	19607.
TPF 50.00%	26762.	10597.	2780.7	53607.	21614.
TPF 45.00%	29654.	11665.	3109.8	59826.	23792.
TPF 40.00%	32901.	12864.	3479.5	66810.	26239.
TPF 35.00%	36478.	14176.	3889.9	74568.	28908.
TPF 30.00%	40732.	15695.	4391.1	84059.	31969.
TPF 25.00%	45662.	17456.	4972.2	95061.	35517.
TPF 20.00%	51498.	19470.	5692.0	0.10840E+06	39612.
TPF 15.00%	58927.	21928.	6656.7	0.12586E+06	44666.
TPF 10.00%	69643.	25668.	7952.6	0.14999E+06	52450.
TPF 5.00%	88074.	32844.	9816.3	0.18751E+06	67720.
TPF 4.00%	93874.	34876.	10504.	0.20057E+06	71971.
TPF 3.00%	0.10193E+06	36971.	11785.	0.22277E+06	76090.
TPF 2.00%	0.11261E+06	39747.	13483.	0.25218E+06	81546.
TPF 1.00%	0.13171E+06	44712.	16519.	0.30479E+06	91304.
TPF 0.10%	0.20503E+06	73776.	23879.	0.45068E+06	0.15279E+06
TPF 0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 6 38.40% 27209. 21773.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	38.40%	27209.	10762.	2831.5	54567. 21950.
TPF 100.00%	329.83	142.98	30.182	590.16	290.28
TPF 99.00%	1677.1	727.03	153.47	3000.8	1476.0
TPF 98.00%	3023.5	1310.7	276.68	5409.9	2661.0
TPF 97.00%	3615.4	1567.3	330.84	6468.9	3181.9
TPF 96.00%	4147.0	1797.8	379.49	7420.3	3649.8
TPF 95.00%	4602.1	1995.1	421.13	8234.5	4050.3
TPF 90.00%	6675.8	2894.0	610.89	11945.	5875.3
TPF 85.00%	8424.1	3651.9	770.88	15073.	7414.0
TPF 80.00%	10167.	4407.4	930.34	18191.	8947.7
TPF 75.00%	11894.	5085.0	1117.3	21670.	10315.
TPF 70.00%	13633.	5755.5	1310.7	25242.	11666.
TPF 65.00%	15485.	6468.9	1516.5	29043.	13103.

TPF	60.00%	17389.	7202.6	1728.1	32953.	14582.
TPF	55.00%	19372.	7924.9	1950.2	37297.	16075.
TPF	50.00%	21417.	8662.0	2179.6	41829.	17607.
TPF	45.00%	23744.	9500.3	2440.5	46984.	19349.
TPF	40.00%	26224.	10398.	2719.4	52450.	21208.
TPF	35.00%	29051.	11443.	3041.3	58531.	23339.
TPF	30.00%	32275.	12633.	3408.2	65464.	25767.
TPF	25.00%	36000.	14005.	3833.5	73502.	28564.
TPF	20.00%	40783.	15713.	4397.3	84175.	32006.
TPF	15.00%	46797.	17861.	5105.9	97592.	36333.
TPF	10.00%	55035.	20640.	6151.3	0.11671E+06	42018.
TPF	5.00%	69523.	25622.	7940.5	0.14975E+06	52350.
TPF	4.00%	74253.	27463.	8418.8	0.15938E+06	56269.
TPF	3.00%	80310.	29821.	9031.2	0.17171E+06	61287.
TPF	2.00%	89022.	33212.	9912.1	0.18944E+06	68505.
TPF	1.00%	0.10422E+06	37565.	12149.	0.22907E+06	77257.
TPF	0.10%	0.15807E+06	54948.	19256.	0.35842E+06	0.11290E+06
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 7 25.14% 22645. 17801.

Prob.	BOE (MBbl)		Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	25.14%	22645.	9104.3	2317.3	44549.	18526.
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	1359.5	589.35	124.40	2432.5	1196.5
TPF	98.00%	2391.7	1036.8	218.87	4279.5	2105.0
TPF	97.00%	3242.8	1405.8	296.75	5802.4	2854.0
TPF	96.00%	3653.0	1583.6	334.28	6536.3	3215.0
TPF	95.00%	4064.3	1761.9	371.92	7272.2	3577.0
TPF	90.00%	5793.6	2511.6	530.16	10366.	5098.9
TPF	85.00%	7284.0	3157.7	666.55	13033.	6410.6
TPF	80.00%	8685.4	3765.2	794.79	15541.	7644.0
TPF	75.00%	10117.	4385.7	925.78	18102.	8903.8
TPF	70.00%	11561.	4957.0	1080.4	20988.	10057.
TPF	65.00%	13040.	5526.9	1244.7	24024.	11205.
TPF	60.00%	14603.	6129.0	1418.4	27232.	12418.
TPF	55.00%	16279.	6774.9	1604.7	30674.	13720.
TPF	50.00%	18032.	7442.0	1799.9	34327.	15072.
TPF	45.00%	19902.	8115.8	2009.6	38470.	16472.
TPF	40.00%	21913.	8840.5	2235.2	42927.	17978.
TPF	35.00%	24240.	9678.9	2496.1	48083.	19720.
TPF	30.00%	26853.	10631.	2791.1	53803.	21683.
TPF	25.00%	29894.	11754.	3137.2	60343.	23973.
TPF	20.00%	33686.	13154.	3568.9	68500.	26831.
TPF	15.00%	38619.	14941.	4142.2	79346.	30449.
TPF	10.00%	45573.	17424.	4961.7	94861.	35453.
TPF	5.00%	57089.	21320.	6418.1	0.12154E+06	43416.
TPF	4.00%	61098.	22646.	6938.7	0.13096E+06	46143.
TPF	3.00%	65894.	24233.	7561.5	0.14223E+06	49406.
TPF	2.00%	73230.	27065.	8315.3	0.15730E+06	55421.
TPF	1.00%	85642.	31897.	9570.4	0.18256E+06	65705.
TPF	0.10%	0.12843E+06	43860.	15998.	0.29576E+06	89629.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 8 15.39% 19496. 15044.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----	-----	-----	-----	-----	-----	
Mean	15.39%	19496.	7969.8	1964.2	37573.	16168.
TPF 100.00%	329.83	142.98	30.182	590.16	290.28	
TPF 99.00%	1157.8	501.94	105.95	2071.7	1019.0	
TPF 98.00%	1989.5	862.48	182.06	3559.8	1751.0	
TPF 97.00%	2824.9	1224.6	258.51	5054.6	2486.2	
TPF 96.00%	3336.7	1446.5	305.34	5970.3	2936.6	
TPF 95.00%	3669.9	1591.0	335.83	6566.6	3229.9	
TPF 90.00%	5167.9	2240.3	472.91	9246.8	4548.3	
TPF 85.00%	6503.6	2819.4	595.14	11637.	5723.8	
TPF 80.00%	7695.0	3335.9	704.16	13769.	6772.4	
TPF 75.00%	8894.2	3855.7	813.90	15914.	7827.7	
TPF 70.00%	10134.	4393.2	927.34	18132.	8918.8	
TPF 65.00%	11401.	4895.3	1062.6	20659.	9932.6	
TPF 60.00%	12715.	5401.7	1208.6	23357.	10953.	
TPF 55.00%	14098.	5934.5	1362.3	26196.	12026.	
TPF 50.00%	15630.	6525.0	1532.7	29342.	13216.	
TPF 45.00%	17252.	7149.9	1712.9	32673.	14475.	
TPF 40.00%	19010.	7794.6	1909.6	36495.	15804.	
TPF 35.00%	20914.	8480.8	2123.2	40715.	17230.	
TPF 30.00%	23146.	9285.0	2373.5	45660.	18902.	
TPF 25.00%	25696.	10204.	2659.4	51309.	20811.	
TPF 20.00%	28888.	11382.	3022.7	58180.	23216.	
TPF 15.00%	32959.	12886.	3486.2	66937.	26283.	
TPF 10.00%	38804.	15007.	4164.0	79759.	30582.	
TPF 5.00%	48729.	18550.	5333.6	0.10190E+06	37724.	
TPF 4.00%	52033.	19647.	5761.5	0.10966E+06	39976.	
TPF 3.00%	56033.	20970.	6280.9	0.11906E+06	42697.	
TPF 2.00%	62123.	22985.	7071.7	0.13337E+06	46840.	
TPF 1.00%	72551.	26800.	8246.6	0.15591E+06	54859.	
TPF 0.10%	0.10823E+06	38609.	12787.	0.24012E+06	79308.	
TPF 0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07	

Rank 9 8.89% 17235. 13058.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----	-----	-----	-----	-----	-----	
Mean	8.89%	17235.	7143.4	1711.1	32638.	14462.
TPF 100.00%	329.83	142.98	30.182	590.16	290.28	
TPF 99.00%	1021.7	442.94	93.499	1828.2	899.24	
TPF 98.00%	1717.6	744.59	157.17	3073.2	1511.6	
TPF 97.00%	2417.4	1048.0	221.21	4325.4	2127.5	
TPF 96.00%	3121.2	1353.1	285.62	5584.8	2747.0	
TPF 95.00%	3401.9	1474.8	311.31	6087.0	2994.0	
TPF 90.00%	4725.2	2048.4	432.40	8454.8	4158.7	
TPF 85.00%	5920.8	2566.7	541.81	10594.	5210.9	
TPF 80.00%	7004.2	3036.4	640.95	12533.	6164.4	
TPF 75.00%	8033.9	3482.8	735.17	14375.	7070.6	
TPF 70.00%	9105.2	3947.2	833.21	16292.	8013.5	
TPF 65.00%	10224.	4432.1	935.56	18293.	8997.8	

TPF	60.00%	11378.	4886.3	1060.0	20611.	9914.4
TPF	55.00%	12589.	5353.2	1194.6	23098.	10855.
TPF	50.00%	13872.	5847.5	1337.2	25732.	11851.
TPF	45.00%	15317.	6404.3	1497.8	28699.	12973.
TPF	40.00%	16875.	7004.7	1671.0	31899.	14183.
TPF	35.00%	18586.	7641.7	1862.1	35555.	15486.
TPF	30.00%	20488.	8327.1	2075.4	39770.	16911.
TPF	25.00%	22733.	9136.1	2327.2	44745.	18592.
TPF	20.00%	25438.	10111.	2630.5	50739.	20618.
TPF	15.00%	28969.	11412.	3031.9	58354.	23276.
TPF	10.00%	33923.	13242.	3595.9	69010.	27009.
TPF	5.00%	42621.	16369.	4613.8	88274.	33328.
TPF	4.00%	45489.	17394.	4951.8	94675.	35393.
TPF	3.00%	48987.	18639.	5365.8	0.10250E+06	37903.
TPF	2.00%	54142.	20345.	6035.3	0.11461E+06	41411.
TPF	1.00%	63031.	23286.	7189.7	0.13550E+06	47458.
TPF	0.10%	93829.	34864.	10497.	0.20044E+06	71948.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 10 4.89% 15560. 11581.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----	-----	-----	-----	-----	-----	
Mean	4.89%	15560.	6497.9	1524.8	29198.	13162.
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	925.83	401.36	84.722	1656.6	814.82
TPF	98.00%	1525.7	661.40	139.61	2729.9	1342.7
TPF	97.00%	2129.5	923.15	194.86	3810.2	1874.1
TPF	96.00%	2737.2	1186.6	250.48	4897.7	2409.0
TPF	95.00%	3212.2	1392.5	293.94	5747.5	2827.0
TPF	90.00%	4409.4	1911.5	403.50	7889.6	3880.7
TPF	85.00%	5461.8	2367.7	499.80	9772.7	4806.9
TPF	80.00%	6475.8	2807.3	592.59	11587.	5699.3
TPF	75.00%	7410.1	3212.4	678.09	13259.	6521.6
TPF	70.00%	8354.6	3621.8	764.52	14949.	7352.9
TPF	65.00%	9345.3	4051.3	855.18	16721.	8224.8
TPF	60.00%	10389.	4503.6	950.66	18588.	9143.1
TPF	55.00%	11473.	4922.9	1070.5	20806.	9988.2
TPF	50.00%	12626.	5367.3	1198.7	23174.	10884.
TPF	45.00%	13862.	5843.5	1336.1	25711.	11843.
TPF	40.00%	15272.	6387.0	1492.9	28607.	12938.
TPF	35.00%	16819.	6983.0	1664.8	31783.	14139.
TPF	30.00%	18550.	7628.6	1858.0	35475.	15459.
TPF	25.00%	20523.	8339.8	2079.3	39848.	16937.
TPF	20.00%	22943.	9211.6	2350.7	45209.	18749.
TPF	15.00%	26008.	10319.	2694.9	51986.	21046.
TPF	10.00%	30339.	11918.	3187.8	61300.	24308.
TPF	5.00%	38005.	14721.	4069.9	77976.	30007.
TPF	4.00%	40499.	15612.	4363.8	83541.	31801.
TPF	3.00%	43739.	16769.	4745.6	90771.	34133.
TPF	2.00%	48202.	18362.	5271.5	0.10073E+06	37344.
TPF	1.00%	55883.	20921.	6261.4	0.11870E+06	42595.
TPF	0.10%	83109.	30911.	9314.3	0.17740E+06	63607.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07



Rank 11 2.59% 14284. 10449.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
----	-----	-----	-----	-----	-----	
Mean	2.59%	14284.	6006.3	1383.0	26578.	12171.
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	855.99	371.08	78.331	1531.6	753.36
TPF	98.00%	1385.9	600.79	126.82	2479.7	1219.7
TPF	97.00%	1919.5	832.13	175.65	3434.5	1689.4
TPF	96.00%	2457.0	1065.1	224.84	4396.3	2162.4
TPF	95.00%	2998.4	1299.8	274.38	5365.0	2638.9
TPF	90.00%	4167.8	1806.8	381.39	7457.3	3668.0
TPF	85.00%	5123.0	2220.9	468.80	9166.5	4508.7
TPF	80.00%	6071.5	2632.1	555.60	10864.	5343.6
TPF	75.00%	6946.5	3011.4	635.67	12429.	6113.6
TPF	70.00%	7794.2	3378.9	713.24	13946.	6859.7
TPF	65.00%	8686.3	3765.6	794.88	15542.	7644.8
TPF	60.00%	9629.1	4174.3	881.15	17229.	8474.5
TPF	55.00%	10626.	4596.8	976.45	19068.	9331.0
TPF	50.00%	11676.	5001.3	1093.1	21223.	10146.
TPF	45.00%	12805.	5436.4	1218.6	23542.	11023.
TPF	40.00%	14035.	5910.4	1355.4	26067.	11978.
TPF	35.00%	15461.	6459.6	1513.8	28994.	13084.
TPF	30.00%	17047.	7070.7	1690.1	32250.	14316.
TPF	25.00%	18870.	7743.9	1893.9	36184.	15699.
TPF	20.00%	21009.	8514.8	2133.8	40924.	17301.
TPF	15.00%	23822.	9528.4	2449.2	47157.	19407.
TPF	10.00%	27737.	10957.	2891.7	55705.	22349.
TPF	5.00%	34434.	13431.	3654.1	70109.	27394.
TPF	4.00%	36630.	14230.	3907.8	74908.	29017.
TPF	3.00%	39587.	15286.	4256.2	81505.	31145.
TPF	2.00%	43670.	16744.	4737.5	90616.	34083.
TPF	1.00%	50604.	19174.	5575.9	0.10630E+06	39004.
TPF	0.10%	74472.	27548.	8440.9	0.15982E+06	56451.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 12 1.34% 13283. 9550.7

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----	-----	-----	-----	-----	-----	
Mean	1.34%	13283.	5620.5	1271.8	24523.	11394.
TPF 100.00%	329.83	142.98	30.182	590.16	290.28	
TPF 99.00%	803.61	348.38	73.538	1437.9	707.26	
TPF 98.00%	1280.9	555.29	117.22	2291.9	1127.3	
TPF 97.00%	1761.8	763.77	161.22	3152.4	1550.6	
TPF 96.00%	2246.4	973.84	205.56	4019.4	1977.0	
TPF 95.00%	2734.7	1185.5	250.25	4893.1	2406.8	
TPF 90.00%	3957.4	1715.6	362.14	7080.9	3482.9	
TPF 85.00%	4858.3	2106.1	444.58	8692.9	4275.8	
TPF 80.00%	5731.8	2484.8	524.51	10256.	5044.5	
TPF 75.00%	6570.8	2848.5	601.29	11757.	5783.0	
TPF 70.00%	7365.2	3192.9	673.98	13178.	6482.1	
TPF 65.00%	8179.8	3546.0	748.52	14636.	7199.0	

TPF	60.00%	9042.7	3920.1	827.49	16180.	7958.5
TPF	55.00%	9961.6	4318.5	911.58	17824.	8767.2
TPF	50.00%	10936.	4716.1	1010.9	19704.	9571.4
TPF	45.00%	11978.	5117.6	1126.7	21843.	10380.
TPF	40.00%	13112.	5554.6	1252.8	24172.	11261.
TPF	35.00%	14385.	6045.1	1394.2	26785.	12249.
TPF	30.00%	15863.	6614.5	1558.5	29819.	13396.
TPF	25.00%	17544.	7262.5	1745.4	33272.	14702.
TPF	20.00%	19550.	7989.2	1970.2	37692.	16209.
TPF	15.00%	22050.	8889.8	2250.5	43230.	18080.
TPF	10.00%	25593.	10167.	2647.9	51083.	20734.
TPF	5.00%	31696.	12420.	3342.4	64220.	25331.
TPF	4.00%	33680.	13152.	3568.3	68488.	26826.
TPF	3.00%	36190.	14073.	3855.9	73925.	28700.
TPF	2.00%	39970.	15423.	4301.4	82359.	31420.
TPF	1.00%	46304.	17685.	5047.9	96493.	35979.
TPF	0.10%	67436.	24809.	7729.5	0.14550E+06	50621.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 13 0.68% 12467. 8809.9

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
-----	-----	-----	-----	-----	-----	
Mean	0.68%	12467.	5305.9	1181.0	22846.	10760.
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	762.83	330.70	69.806	1364.9	671.36
TPF	98.00%	1199.2	519.86	109.74	2145.7	1055.4
TPF	97.00%	1638.9	710.49	149.98	2932.5	1442.4
TPF	96.00%	2082.1	902.63	190.53	3725.5	1832.5
TPF	95.00%	2528.9	1096.3	231.42	4524.9	2225.7
TPF	90.00%	3792.8	1644.2	347.07	6786.4	3338.0
TPF	85.00%	4650.5	2016.1	425.57	8321.1	4092.9
TPF	80.00%	5460.3	2367.1	499.67	9770.1	4805.6
TPF	75.00%	6264.2	2715.6	573.23	11209.	5513.2
TPF	70.00%	7025.0	3045.4	642.85	12570.	6182.7
TPF	65.00%	7776.6	3371.3	711.63	13915.	6844.2
TPF	60.00%	8574.3	3717.0	784.62	15342.	7546.2
TPF	55.00%	9425.1	4085.9	862.48	16864.	8295.0
TPF	50.00%	10338.	4481.7	946.04	18498.	9098.6
TPF	45.00%	11308.	4859.5	1052.2	20468.	9860.4
TPF	40.00%	12365.	5266.6	1169.7	22637.	10681.
TPF	35.00%	13530.	5715.7	1299.2	25030.	11585.
TPF	30.00%	14888.	6238.8	1450.1	27817.	12639.
TPF	25.00%	16466.	6846.9	1625.5	31058.	13865.
TPF	20.00%	18331.	7549.8	1833.5	34990.	15296.
TPF	15.00%	20646.	8384.0	2093.1	40120.	17029.
TPF	10.00%	23918.	9563.1	2460.0	47370.	19479.
TPF	5.00%	29438.	11585.	3085.3	59364.	23630.
TPF	4.00%	31217.	12242.	3287.8	63188.	24970.
TPF	3.00%	33564.	13109.	3555.0	68237.	26739.
TPF	2.00%	36848.	14308.	3933.4	75393.	29174.
TPF	1.00%	42620.	16369.	4613.7	88273.	33328.
TPF	0.10%	61813.	22883.	7031.5	0.13264E+06	46629.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 14 0.34% 11768. 8172.8

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
----	-----	-----	-----	-----	-----	
Mean	0.34%	11768.	5036.8	1103.4	21412.	10218.
TPF 100.00%	329.83	142.98	30.182	590.16	290.28	
TPF 99.00%	729.37	316.19	66.744	1305.1	641.92	
TPF 98.00%	1132.1	490.77	103.60	2025.6	996.34	
TPF 97.00%	1538.0	666.74	140.74	2751.9	1353.6	
TPF 96.00%	1947.2	844.13	178.19	3484.1	1713.7	
TPF 95.00%	2359.7	1023.0	215.94	4222.2	2076.8	
TPF 90.00%	3657.1	1585.4	334.65	6543.5	3218.6	
TPF 85.00%	4478.8	1941.6	409.85	8013.8	3941.8	
TPF 80.00%	5235.3	2269.6	479.07	9367.4	4607.6	
TPF 75.00%	6006.8	2604.0	549.67	10748.	5286.5	
TPF 70.00%	6733.6	2919.1	616.18	12048.	5926.2	
TPF 65.00%	7439.3	3225.0	680.77	13311.	6547.3	
TPF 60.00%	8180.9	3546.5	748.63	14638.	7200.0	
TPF 55.00%	8973.0	3889.9	821.11	16055.	7897.1	
TPF 50.00%	9824.1	4258.9	898.99	17578.	8646.2	
TPF 45.00%	10739.	4640.3	989.00	19300.	9418.7	
TPF 40.00%	11727.	5020.9	1098.8	21328.	10186.	
TPF 35.00%	12818.	5441.4	1220.1	23568.	11033.	
TPF 30.00%	14047.	5914.9	1356.7	26091.	11987.	
TPF 25.00%	15531.	6486.6	1521.6	29138.	13139.	
TPF 20.00%	17275.	7158.9	1715.5	32720.	14493.	
TPF 15.00%	19454.	7954.5	1959.4	37479.	16136.	
TPF 10.00%	22428.	9026.1	2292.9	44068.	18363.	
TPF 5.00%	27532.	10881.	2868.3	55262.	22193.	
TPF 4.00%	29148.	11478.	3052.3	58739.	23411.	
TPF 3.00%	31236.	12250.	3290.0	63231.	24985.	
TPF 2.00%	34236.	13357.	3631.5	69682.	27245.	
TPF 1.00%	39493.	15253.	4245.2	81295.	31077.	
TPF 0.10%	56654.	21176.	6361.6	0.12052E+06	43120.	
TPF 0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07	

Rank 15 0.17% 11142. 7604.9

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.17%	11142.	4795.4	1033.7	20126.	9731.2
TPF 100.00%	329.83	142.98	30.182	590.16	290.28	
TPF 99.00%	700.16	303.53	64.071	1252.8	616.21	
TPF 98.00%	1073.5	465.36	98.233	1920.8	944.76	
TPF 97.00%	1449.8	628.51	132.67	2594.1	1276.0	
TPF 96.00%	1829.2	792.99	167.39	3273.0	1609.9	
TPF 95.00%	2211.8	958.84	202.40	3957.5	1946.6	
TPF 90.00%	3538.2	1533.8	323.77	6330.8	3113.9	
TPF 85.00%	4328.0	1876.2	396.05	7744.0	3809.1	
TPF 80.00%	5033.6	2182.1	460.62	9006.6	4430.1	
TPF 75.00%	5754.4	2494.6	526.58	10296.	5064.5	
TPF 70.00%	6458.3	2799.8	591.00	11556.	5684.0	
TPF 65.00%	7140.4	3095.5	653.42	12776.	6284.3	

TPF	60.00%	7831.5	3395.1	716.66	14013.	6892.5
TPF	55.00%	8570.3	3715.3	784.26	15335.	7542.7
TPF	50.00%	9364.9	4059.8	856.97	16757.	8242.0
TPF	45.00%	10226.	4433.1	935.78	18297.	8999.9
TPF	40.00%	11154.	4800.0	1035.1	20151.	9740.5
TPF	35.00%	12176.	5194.0	1148.7	22250.	10534.
TPF	30.00%	13324.	5636.4	1276.3	24608.	11426.
TPF	25.00%	14681.	6159.2	1427.1	27393.	12479.
TPF	20.00%	16324.	6792.4	1609.8	30767.	13755.
TPF	15.00%	18360.	7560.2	1836.7	35054.	15317.
TPF	10.00%	21096.	8546.1	2143.5	41116.	17366.
TPF	5.00%	25751.	10224.	2665.6	51433.	20852.
TPF	4.00%	27296.	10794.	2841.4	54755.	22016.
TPF	3.00%	29207.	11500.	3059.0	58865.	23455.
TPF	2.00%	31929.	12506.	3368.9	64721.	25507.
TPF	1.00%	36591.	14216.	3903.2	74820.	28989.
TPF	0.10%	52489.	19797.	5820.6	0.11073E+06	40286.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 16 0.08% 10560. 7086.6

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.08%	10560.	4571.0	969.02	18931.	9279.1
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	673.28	291.88	61.611	1204.7	592.55
TPF	98.00%	1019.5	441.97	93.295	1824.2	897.28
TPF	97.00%	1368.6	593.31	125.24	2448.8	1204.5
TPF	96.00%	1720.6	745.89	157.45	3078.6	1514.3
TPF	95.00%	2075.5	899.76	189.93	3713.7	1826.7
TPF	90.00%	3428.5	1486.3	313.74	6134.6	3017.4
TPF	85.00%	4181.1	1812.5	382.61	7481.1	3679.8
TPF	80.00%	4844.4	2100.1	443.30	8667.9	4263.5
TPF	75.00%	5520.9	2393.4	505.22	9878.5	4859.0
TPF	70.00%	6203.3	2689.2	567.66	11100.	5459.5
TPF	65.00%	6863.2	2975.3	628.04	12280.	6040.3
TPF	60.00%	7506.9	3254.3	686.95	13432.	6606.9
TPF	55.00%	8195.7	3552.9	749.98	14664.	7213.0
TPF	50.00%	8937.2	3874.4	817.83	15991.	7865.6
TPF	45.00%	9741.5	4223.0	891.43	17430.	8573.5
TPF	40.00%	10618.	4593.7	975.55	19051.	9324.7
TPF	35.00%	11575.	4962.5	1081.9	21017.	10068.
TPF	30.00%	12652.	5377.2	1201.6	23226.	10903.
TPF	25.00%	13886.	5853.0	1338.8	25762.	11862.
TPF	20.00%	15428.	6447.0	1510.2	28927.	13059.
TPF	15.00%	17334.	7181.3	1722.0	32840.	14539.
TPF	10.00%	19913.	8119.8	2010.9	38495.	16480.
TPF	5.00%	24208.	9667.6	2492.6	48013.	19697.
TPF	4.00%	25544.	10149.	2642.3	50973.	20697.
TPF	3.00%	27347.	10813.	2847.3	54866.	22055.
TPF	2.00%	29789.	11715.	3125.3	60118.	23894.
TPF	1.00%	34062.	13293.	3611.7	69309.	27114.
TPF	0.10%	48436.	18446.	5299.1	0.10125E+06	37513.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 17 0.04% 10008. 6606.3

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.04%	10008.	4338.6	915.83	17907.	8808.1
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	647.84	280.85	59.283	1159.2	570.16
TPF	98.00%	968.47	419.84	88.624	1732.9	852.35
TPF	97.00%	1291.8	559.99	118.21	2311.3	1136.9
TPF	96.00%	1617.8	701.32	148.04	2894.7	1423.8
TPF	95.00%	1946.5	843.85	178.13	3482.9	1713.1
TPF	90.00%	3324.7	1441.3	304.24	5948.8	2926.1
TPF	85.00%	4022.4	1743.7	368.08	7197.2	3540.1
TPF	80.00%	4665.0	2022.3	426.89	8347.1	4105.7
TPF	75.00%	5299.6	2297.4	484.96	9482.5	4664.2
TPF	70.00%	5953.0	2580.7	544.75	10652.	5239.2
TPF	65.00%	6578.6	2851.9	602.00	11771.	5789.8
TPF	60.00%	7198.9	3120.8	658.76	12881.	6335.7
TPF	55.00%	7839.9	3398.7	717.42	14028.	6899.9
TPF	50.00%	8530.7	3698.2	780.64	15264.	7507.9
TPF	45.00%	9280.7	4023.3	849.27	16606.	8167.9
TPF	40.00%	10103.	4379.6	924.49	18077.	8891.4
TPF	35.00%	11003.	4742.0	1018.3	19841.	9623.5
TPF	30.00%	12010.	5130.0	1130.3	21909.	10405.
TPF	25.00%	13167.	5575.9	1258.9	24285.	11304.
TPF	20.00%	14571.	6116.7	1414.9	27167.	12394.
TPF	15.00%	16364.	6807.6	1614.2	30848.	13786.
TPF	10.00%	18775.	7709.8	1883.3	35974.	15628.
TPF	5.00%	22715.	9129.6	2325.1	44705.	18578.
TPF	4.00%	23984.	9586.9	2467.5	47517.	19529.
TPF	3.00%	25560.	10155.	2644.2	51009.	20709.
TPF	2.00%	27870.	11006.	2906.8	55991.	22449.
TPF	1.00%	31711.	12425.	3344.1	64253.	25343.
TPF	0.10%	44845.	17164.	4875.9	93237.	34929.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 18 0.02% 9481.3 6155.9

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.02%	9481.3	4110.2	867.62	16965.	8344.5
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	623.66	270.36	57.071	1115.9	548.88
TPF	98.00%	919.94	398.81	84.183	1646.0	809.64
TPF	97.00%	1218.7	528.33	111.52	2180.6	1072.6
TPF	96.00%	1520.0	658.95	139.10	2719.8	1337.8
TPF	95.00%	1823.9	790.69	166.91	3263.5	1605.2
TPF	90.00%	3226.0	1398.5	295.21	5772.2	2839.2
TPF	85.00%	3871.5	1678.3	354.27	6927.1	3407.3
TPF	80.00%	4494.4	1948.4	411.28	8041.8	3955.6
TPF	75.00%	5087.1	2205.3	465.52	9102.4	4477.2
TPF	70.00%	5694.6	2468.7	521.11	10189.	5011.8
TPF	65.00%	6303.7	2732.7	576.84	11279.	5547.8

TPF	60.00%	6905.4	2993.6	631.91	12356.	6077.4
TPF	55.00%	7500.9	3251.7	686.40	13421.	6601.5
TPF	50.00%	8143.1	3530.1	745.17	14570.	7166.8
TPF	45.00%	8841.1	3832.7	809.04	15819.	7781.0
TPF	40.00%	9606.7	4164.6	879.10	17189.	8454.9
TPF	35.00%	10456.	4531.1	957.51	18718.	9198.7
TPF	30.00%	11396.	4893.4	1062.0	20648.	9928.6
TPF	25.00%	12478.	5310.2	1182.2	22869.	10768.
TPF	20.00%	13759.	5803.8	1324.6	25500.	11763.
TPF	15.00%	15428.	6447.1	1510.2	28928.	13059.
TPF	10.00%	17673.	7312.1	1759.7	33537.	14802.
TPF	5.00%	21282.	8613.4	2164.5	41530.	17506.
TPF	4.00%	22457.	9036.8	2296.2	44134.	18386.
TPF	3.00%	23951.	9574.9	2463.7	47443.	19504.
TPF	2.00%	25979.	10308.	2691.5	51922.	21024.
TPF	1.00%	29501.	11608.	3092.4	59497.	23677.
TPF	0.10%	41303.	15899.	4458.5	85334.	32380.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 19 0.01% 8972.9 5725.5

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.01%	8972.9	3889.9	821.10	16055.	7897.0
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	600.76	260.44	54.975	1074.9	528.73
TPF	98.00%	873.97	378.88	79.976	1563.8	769.18
TPF	97.00%	1149.5	498.32	105.19	2056.8	1011.7
TPF	96.00%	1427.4	618.80	130.62	2554.0	1256.3
TPF	95.00%	1707.7	740.32	156.27	3055.6	1503.0
TPF	90.00%	3132.4	1357.9	286.64	5604.7	2756.8
TPF	85.00%	3728.3	1616.2	341.17	6671.0	3281.2
TPF	80.00%	4332.5	1878.2	396.46	7752.1	3813.0
TPF	75.00%	4880.3	2115.7	446.59	8732.2	4295.1
TPF	70.00%	5449.0	2362.2	498.63	9749.8	4795.7
TPF	65.00%	6042.1	2619.3	552.91	10811.	5317.6
TPF	60.00%	6606.9	2864.1	604.59	11822.	5814.7
TPF	55.00%	7177.6	3111.6	656.82	12843.	6317.0
TPF	50.00%	7773.0	3369.7	711.30	13908.	6841.0
TPF	45.00%	8420.6	3650.4	770.56	15067.	7410.9
TPF	40.00%	9131.4	3958.6	835.61	16339.	8036.6
TPF	35.00%	9921.2	4301.0	907.88	17752.	8731.6
TPF	30.00%	10805.	4665.5	996.28	19434.	9469.5
TPF	25.00%	11812.	5053.5	1108.2	21501.	10251.
TPF	20.00%	13005.	5513.4	1240.9	23952.	11178.
TPF	15.00%	14516.	6095.7	1408.8	27055.	12351.
TPF	10.00%	16614.	6904.0	1642.0	31362.	13980.
TPF	5.00%	19974.	8141.7	2017.7	38630.	16526.
TPF	4.00%	20995.	8509.8	2132.2	40893.	17290.
TPF	3.00%	22345.	8996.4	2283.7	43886.	18302.
TPF	2.00%	24241.	9679.3	2496.2	48085.	19721.
TPF	1.00%	27424.	10841.	2856.0	55030.	22112.
TPF	0.10%	38021.	14727.	4071.7	78010.	30018.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 20 0.00% 8469.6 5301.5

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	8469.6	3671.7	775.05	15155.	7454.1
TPF 100.00%	329.83	142.98	30.182	590.16	290.28	
TPF 99.00%	578.91	250.96	52.975	1035.8	509.50	
TPF 98.00%	830.10	359.86	75.962	1485.3	730.57	
TPF 97.00%	1083.5	469.69	99.146	1938.6	953.54	
TPF 96.00%	1339.0	580.47	122.53	2395.9	1178.5	
TPF 95.00%	1596.8	692.23	146.12	2857.1	1405.3	
TPF 90.00%	2920.9	1266.2	267.29	5226.3	2570.7	
TPF 85.00%	3591.2	1556.8	328.63	6425.7	3160.6	
TPF 80.00%	4167.2	1806.5	381.34	7456.4	3667.6	
TPF 75.00%	4681.6	2029.5	428.41	8376.8	4120.3	
TPF 70.00%	5212.7	2259.8	477.01	9327.0	4587.7	
TPF 65.00%	5760.4	2497.2	527.13	10307.	5069.7	
TPF 60.00%	6310.4	2735.6	577.46	11291.	5553.8	
TPF 55.00%	6864.4	2975.8	628.15	12282.	6041.3	
TPF 50.00%	7413.4	3213.8	678.40	13265.	6524.6	
TPF 45.00%	8010.7	3472.7	733.05	14333.	7050.2	
TPF 40.00%	8666.5	3757.0	793.06	15507.	7627.3	
TPF 35.00%	9395.2	4072.9	859.75	16811.	8268.7	
TPF 30.00%	10217.	4429.4	934.99	18282.	8992.4	
TPF 25.00%	11151.	4798.8	1034.7	20145.	9738.1	
TPF 20.00%	12253.	5223.6	1157.3	22408.	10594.	
TPF 15.00%	13620.	5750.4	1309.2	25215.	11655.	
TPF 10.00%	15542.	6490.8	1522.8	29160.	13147.	
TPF 5.00%	18637.	7660.1	1867.8	35668.	15525.	
TPF 4.00%	19589.	8003.2	1974.6	37778.	16238.	
TPF 3.00%	20778.	8431.5	2107.9	40412.	17128.	
TPF 2.00%	22475.	9043.0	2298.2	44172.	18398.	
TPF 1.00%	25326.	10071.	2618.0	50491.	20534.	
TPF 0.10%	34774.	13556.	3692.8	70841.	27651.	
TPF 0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07	

Rank 21 0.00% 7944.3 4865.3

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	7944.3	3444.0	726.98	14215.	6991.8
TPF 100.00%	329.83	142.98	30.182	590.16	290.28	
TPF 99.00%	557.22	241.56	50.991	997.03	490.41	
TPF 98.00%	786.55	340.98	71.976	1407.4	692.24	
TPF 97.00%	1017.8	441.25	93.142	1821.2	895.80	
TPF 96.00%	1251.1	542.38	114.49	2238.6	1101.1	
TPF 95.00%	1486.5	644.40	136.03	2659.7	1308.2	
TPF 90.00%	2695.2	1168.4	246.63	4822.4	2372.0	
TPF 85.00%	3454.2	1497.4	316.09	6180.5	3040.0	
TPF 80.00%	3979.8	1725.3	364.19	7121.1	3502.6	
TPF 75.00%	4481.7	1942.9	410.12	8019.1	3944.4	
TPF 70.00%	4968.2	2153.8	454.64	8889.6	4372.5	
TPF 65.00%	5473.4	2372.8	500.87	9793.5	4817.2	

TPF	60.00%	6005.9	2603.6	549.60	10746.	5285.8
TPF	55.00%	6517.2	2825.3	596.39	11661.	5735.8
TPF	50.00%	7044.2	3053.7	644.61	12604.	6199.6
TPF	45.00%	7587.7	3289.4	694.35	13577.	6678.0
TPF	40.00%	8184.4	3548.0	748.94	14644.	7203.1
TPF	35.00%	8847.1	3835.3	809.59	15830.	7786.3
TPF	30.00%	9594.7	4159.4	878.00	17168.	8444.3
TPF	25.00%	10455.	4530.8	957.42	18716.	9198.1
TPF	20.00%	11458.	4917.2	1068.9	20775.	9976.6
TPF	15.00%	12703.	5396.9	1207.2	23331.	10943.
TPF	10.00%	14399.	6050.7	1395.8	26815.	12260.
TPF	5.00%	17221.	7137.9	1709.5	32608.	14451.
TPF	4.00%	18088.	7462.4	1806.3	34453.	15114.
TPF	3.00%	19188.	7858.7	1929.6	36889.	15937.
TPF	2.00%	20680.	8396.5	2097.0	40196.	17055.
TPF	1.00%	23258.	9325.1	2386.0	45907.	18985.
TPF	0.10%	31689.	12417.	3341.6	64206.	25326.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 22 0.00% 7347.0 4395.1

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	7347.0	3185.0	672.31	13146.	6466.0
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	533.34	231.21	48.805	954.30	469.39
TPF	98.00%	738.54	320.17	67.583	1321.5	649.99
TPF	97.00%	945.45	409.86	86.517	1691.7	832.09
TPF	96.00%	1154.1	500.32	105.61	2065.0	1015.7
TPF	95.00%	1364.5	591.55	124.87	2441.6	1200.9
TPF	90.00%	2444.6	1059.8	223.71	4374.2	2151.5
TPF	85.00%	3301.4	1431.2	302.10	5907.1	2905.5
TPF	80.00%	3769.9	1634.3	344.98	6745.5	3317.9
TPF	75.00%	4256.8	1845.4	389.54	7616.7	3746.4
TPF	70.00%	4689.4	2032.9	429.12	8390.6	4127.1
TPF	65.00%	5147.8	2231.6	471.07	9210.9	4530.6
TPF	60.00%	5620.1	2436.4	514.29	10056.	4946.3
TPF	55.00%	6115.5	2651.2	559.63	10942.	5382.3
TPF	50.00%	6601.3	2861.7	604.08	11812.	5809.8
TPF	45.00%	7101.7	3078.7	649.87	12707.	6250.2
TPF	40.00%	7629.3	3307.4	698.15	13651.	6714.6
TPF	35.00%	8215.5	3561.5	751.79	14700.	7230.4
TPF	30.00%	8877.0	3848.3	812.33	15884.	7812.7
TPF	25.00%	9640.0	4179.0	882.15	17249.	8484.1
TPF	20.00%	10545.	4565.3	967.37	18900.	9267.6
TPF	15.00%	11654.	4992.6	1090.6	21177.	10129.
TPF	10.00%	13150.	5569.3	1257.0	24250.	11291.
TPF	5.00%	15651.	6533.1	1535.0	29385.	13232.
TPF	4.00%	16434.	6834.6	1622.0	30992.	13840.
TPF	3.00%	17418.	7213.8	1731.4	33013.	14604.
TPF	2.00%	18784.	7713.2	1884.3	35995.	15635.
TPF	1.00%	21022.	8519.4	2135.2	40952.	17310.
TPF	0.10%	28552.	11258.	2984.4	57456.	22962.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07



Rank 23 0.00% 6590.6 3873.4

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	6590.6	2857.1	603.10	11793.	5800.4
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	501.39	217.36	45.881	897.12	441.27
TPF	98.00%	674.25	292.30	61.700	1206.4	593.41
TPF	97.00%	848.45	367.81	77.641	1518.1	746.72
TPF	96.00%	1024.0	443.92	93.706	1832.3	901.23
TPF	95.00%	1201.0	520.63	109.90	2148.9	1057.0
TPF	90.00%	2107.7	913.70	192.87	3771.2	1855.0
TPF	85.00%	3054.2	1324.0	279.48	5464.8	2688.0
TPF	80.00%	3487.3	1511.8	319.12	6239.8	3069.2
TPF	75.00%	3899.0	1690.3	356.79	6976.4	3431.5
TPF	70.00%	4315.3	1870.7	394.89	7721.3	3797.9
TPF	65.00%	4697.8	2036.6	429.89	8405.8	4134.6
TPF	60.00%	5105.4	2213.3	467.19	9135.0	4493.3
TPF	55.00%	5529.2	2397.0	505.97	9893.2	4866.2
TPF	50.00%	5985.3	2594.7	547.70	10709.	5267.6
TPF	45.00%	6432.6	2788.6	588.64	11510.	5661.4
TPF	40.00%	6910.6	2995.8	632.39	12365.	6082.0
TPF	35.00%	7405.0	3210.2	677.63	13250.	6517.1
TPF	30.00%	7965.4	3453.1	728.90	14252.	7010.3
TPF	25.00%	8615.0	3734.7	788.35	15415.	7582.1
TPF	20.00%	9392.3	4071.7	859.48	16806.	8266.2
TPF	15.00%	10368.	4494.8	948.80	18552.	9125.2
TPF	10.00%	11675.	5001.0	1093.1	21222.	10146.
TPF	5.00%	13806.	5821.9	1329.9	25596.	11800.
TPF	4.00%	14498.	6088.7	1406.8	27018.	12337.
TPF	3.00%	15385.	6430.5	1505.4	28839.	13026.
TPF	2.00%	16605.	6900.6	1641.0	31344.	13973.
TPF	1.00%	18635.	7659.3	1867.5	35663.	15523.
TPF	0.10%	25208.	10028.	2604.7	50229.	20446.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07

Rank 24 0.00% 5521.6 3302.2

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	5521.6	2393.7	505.27	9879.6	4859.5
TPF	100.00%	329.83	142.98	30.182	590.16	290.28
TPF	99.00%	446.76	193.67	40.882	799.38	393.19
TPF	98.00%	564.82	244.86	51.686	1010.6	497.10
TPF	97.00%	684.05	296.54	62.597	1224.0	602.03
TPF	96.00%	804.46	348.74	73.615	1439.4	708.01
TPF	95.00%	926.08	401.47	84.745	1657.0	815.04
TPF	90.00%	1553.2	673.33	142.13	2779.1	1367.0
TPF	85.00%	2214.6	960.08	202.66	3962.6	1949.1
TPF	80.00%	2914.5	1263.5	266.70	5214.8	2565.0
TPF	75.00%	3334.1	1445.4	305.10	5965.6	2934.3
TPF	70.00%	3647.2	1581.1	333.75	6525.9	3209.9
TPF	65.00%	3982.5	1726.5	364.43	7125.8	3505.0

TPF	60.00%	4323.7	1874.4	395.66	7736.4	3805.3
TPF	55.00%	4648.7	2015.2	425.39	8317.8	4091.3
TPF	50.00%	5003.2	2169.0	457.84	8952.2	4403.4
TPF	45.00%	5385.4	2334.6	492.81	9636.0	4739.7
TPF	40.00%	5805.4	2516.7	531.25	10388.	5109.3
TPF	35.00%	6252.0	2710.3	572.12	11187.	5502.4
TPF	30.00%	6736.3	2920.3	616.43	12053.	5928.6
TPF	25.00%	7262.1	3148.2	664.54	12994.	6391.3
TPF	20.00%	7891.0	3420.8	722.10	14119.	6944.9
TPF	15.00%	8693.3	3768.6	795.51	15555.	7650.9
TPF	10.00%	9807.8	4251.8	897.50	17549.	8631.8
TPF	5.00%	11647.	4989.9	1089.8	21163.	10123.
TPF	4.00%	12224.	5212.3	1154.0	22348.	10571.
TPF	3.00%	12960.	5496.0	1235.8	23859.	11143.
TPF	2.00%	13984.	5890.7	1349.7	25963.	11938.
TPF	1.00%	15796.	6588.9	1551.1	29683.	13345.
TPF	0.10%	21536.	8704.8	2192.9	42093.	17696.
TPF	0.00%	0.60804E+07	0.16044E+07	0.94634E+06	0.16539E+08	0.32971E+07