

# GEOLOGIC ECONOMIC RESOURCE MODEL MODULE PSRK

Geologic Economic Resource Model (Ver 8.29.2005)

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The Current UAI AAAAABAO is for

World Level - World Level Resources

Country Level - UNITED STATES OF AMERICA

Region Level - MMS - ALASKA REGION

Basin Level - BEAUFORT SHELF

Play Level - Play 09 - Brookian Unstructured Western Topset

Geologist Peter Johnson

Remarks Play 09 2005 Assessment

Run date Date 16-SEP-05 Time 08:56:17

## 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 = 0.14806E+06

S.D. = 0.32595E+06

MU = 10.663

SIG.SQ. = 2.7641

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

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Mean % 0.14806E+06 0.11575E+06 5499.2 0.12506E+06 25587.

TPF 100.00% 25.868 19.675 1.0425 24.648 4.2996

TPF 99.00% 640.89 487.45 25.827 610.66 106.52

TPF 98.00% 1209.9 920.25 48.759 1152.9 201.11

TPF 97.00% 1765.6 1342.9 71.154 1682.4 293.47

TPF 96.00% 2295.7 1746.1 92.516 2187.4 381.58

TPF 95.00% 2790.4 2122.3 112.45 2658.7 463.80

TPF 90.00% 5259.7 4000.5 211.96 5011.6 874.24

TPF 85.00% 7865.0 6050.4 305.43 7156.5 1325.4

TPF 80.00% 10879. 8421.9 413.55 9637.9 1847.2

TPF 75.00% 14215. 10990. 542.86 12673. 2403.9

TPF 70.00% 18203. 14059. 697.45 16301. 3069.4

TPF 65.00% 22897. 17667. 883.71 20574. 3853.1

TPF 60.00% 28469. 21949. 1104.8 25646. 4783.2

TPF 55.00% 35206. 27258. 1341.7 31120. 6007.6

TPF 50.00% 43491. 33786. 1633.0 37851. 7513.3

TPF 45.00% 53605. 41565. 2047.6 46993. 9160.3

TPF 40.00% 65908. 51029. 2552.0 58114. 11164.

TPF 35.00% 82292. 63901. 3098.8 71867. 14079.

TPF 30.00% 0.10362E+06 80653. 3810.4 89767. 17872.

TPF	25.00%	0.13346E+06	0.10422E+06	4944.4	0.11347E+06	23052.
TPF	20.00%	0.17572E+06	0.13760E+06	6550.4	0.14703E+06	30389.
TPF	15.00%	0.24407E+06	0.19015E+06	9108.1	0.21030E+06	41570.
TPF	10.00%	0.36535E+06	0.28338E+06	13647.	0.32256E+06	61409.
TPF	5.00%	0.65074E+06	0.51365E+06	23456.	0.52521E+06	0.11339E+06
TPF	4.00%	0.75669E+06	0.59914E+06	27097.	0.60044E+06	0.13269E+06
TPF	3.00%	0.91280E+06	0.72510E+06	32463.	0.71129E+06	0.16112E+06
TPF	2.00%	0.11506E+07	0.91700E+06	40637.	0.88017E+06	0.20444E+06
TPF	1.00%	0.16181E+07	0.12942E+07	56705.	0.12121E+07	0.28959E+06
TPF	0.10%	0.33517E+07	0.26930E+07	0.11629E+06	0.24431E+07	0.60535E+06
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

### C) No.of Pools Distribution

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Lower Support = 0  
Upper Support = 14  
Expectation = 3.18  
Standard Deviation= 2.24

Rank 1 79.22% 0.42291E+06 0.65457E+06

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

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Mean	79.22%	0.42291E+06	0.32983E+06	15625.	0.36344E+06	71894.
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	6781.7	5198.0	266.56	6264.6	1137.8
TPF	98.00%	11426.	8842.9	434.76	10135.	1938.5
TPF	97.00%	15475.	11959.	591.71	13819.	2614.2
TPF	96.00%	19271.	14880.	739.81	17272.	3247.6
TPF	95.00%	22821.	17608.	880.68	20505.	3840.3
TPF	90.00%	39953.	30999.	1508.6	34977.	6870.4
TPF	85.00%	56446.	43751.	2164.1	49561.	9623.1
TPF	80.00%	73465.	56966.	2804.2	64457.	12508.
TPF	75.00%	91746.	71328.	3414.3	79803.	15760.
TPF	70.00%	0.11145E+06	86841.	4108.1	95989.	19232.
TPF	65.00%	0.13245E+06	0.10343E+06	4906.1	0.11267E+06	22877.
TPF	60.00%	0.15813E+06	0.12371E+06	5881.8	0.13306E+06	27334.
TPF	55.00%	0.18489E+06	0.14465E+06	6893.5	0.15552E+06	31889.
TPF	50.00%	0.21886E+06	0.17076E+06	8164.6	0.18696E+06	37445.
TPF	45.00%	0.25429E+06	0.19800E+06	9490.5	0.21976E+06	43241.
TPF	40.00%	0.30481E+06	0.23684E+06	11381.	0.26653E+06	51506.
TPF	35.00%	0.35158E+06	0.27280E+06	13131.	0.30982E+06	59157.
TPF	30.00%	0.43543E+06	0.33992E+06	16055.	0.37232E+06	74173.
TPF	25.00%	0.53132E+06	0.41729E+06	19351.	0.44041E+06	91639.
TPF	20.00%	0.62144E+06	0.49001E+06	22449.	0.50441E+06	0.10805E+06
TPF	15.00%	0.75418E+06	0.59712E+06	27011.	0.59867E+06	0.13223E+06
TPF	10.00%	0.10047E+07	0.79926E+06	35622.	0.77656E+06	0.17786E+06
TPF	5.00%	0.14897E+07	0.11906E+07	52292.	0.11209E+07	0.26620E+06
TPF	4.00%	0.16112E+07	0.12886E+07	56468.	0.12072E+07	0.28833E+06
TPF	3.00%	0.20853E+07	0.16712E+07	72765.	0.15439E+07	0.37469E+06
TPF	2.00%	0.25763E+07	0.20673E+07	89640.	0.18925E+07	0.46412E+06
TPF	1.00%	0.30626E+07	0.24597E+07	0.10635E+06	0.22378E+07	0.55269E+06
TPF	0.10%	0.77683E+07	0.62566E+07	0.26809E+06	0.55792E+07	0.14098E+07
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 2 74.85% 0.12367E+06 0.16996E+06

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	74.85%	0.12367E+06	96493.	4572.5	0.10570E+06 21353.
TPF 100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF 99.00%	1864.4	1418.0	75.134	1776.5	309.89
TPF 98.00%	3309.3	2517.0	133.36	3153.2	550.05
TPF 97.00%	4596.9	3496.3	185.25	4380.1	764.07
TPF 96.00%	5809.2	4432.8	231.68	5464.0	969.38
TPF 95.00%	6966.4	5343.3	273.19	6416.7	1169.8
TPF 90.00%	12553.	9710.0	478.42	11160.	2126.5
TPF 85.00%	17998.	13901.	689.48	16113.	3035.1
TPF 80.00%	23760.	18330.	917.95	21360.	3997.2
TPF 75.00%	29822.	23016.	1152.4	26746.	5029.2
TPF 70.00%	36305.	28124.	1380.3	32013.	6207.4
TPF 65.00%	43323.	33654.	1627.1	37715.	7482.8
TPF 60.00%	51200.	39716.	1949.1	44820.	8768.8
TPF 55.00%	59693.	46249.	2297.2	52496.	10152.
TPF 50.00%	69003.	53460.	2655.3	60711.	11714.
TPF 45.00%	79890.	62013.	3018.6	69850.	13651.
TPF 40.00%	92874.	72214.	3451.9	80750.	15961.
TPF 35.00%	0.10734E+06	83596.	3952.0	92726.	18519.
TPF 30.00%	0.12590E+06	98251.	4657.0	0.10746E+06	21740.
TPF 25.00%	0.14909E+06	0.11657E+06	5538.4	0.12588E+06	25766.
TPF 20.00%	0.17610E+06	0.13789E+06	6564.4	0.14738E+06	30450.
TPF 15.00%	0.22149E+06	0.17279E+06	8263.1	0.18940E+06	37876.
TPF 10.00%	0.29156E+06	0.22665E+06	10885.	0.25426E+06	49338.
TPF 5.00%	0.43520E+06	0.33974E+06	16047.	0.37216E+06	74132.
TPF 4.00%	0.49339E+06	0.38669E+06	18047.	0.41348E+06	84730.
TPF 3.00%	0.55773E+06	0.43860E+06	20259.	0.45917E+06	96449.
TPF 2.00%	0.63183E+06	0.49840E+06	22806.	0.51179E+06	0.10995E+06
TPF 1.00%	0.80383E+06	0.63718E+06	28718.	0.63392E+06	0.14127E+06
TPF 0.10%	0.15552E+07	0.12434E+07	54543.	0.11674E+07	0.27813E+06
TPF 0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 3 63.76% 55772. 73917.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	63.76%	55772.	43232.	2136.4	48951. 9513.2
TPF 100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF 99.00%	771.79	587.01	31.103	735.39	128.28
TPF 98.00%	1447.9	1101.2	58.348	1379.6	240.65
TPF 97.00%	2081.8	1583.4	83.896	1983.6	346.03
TPF 96.00%	2660.3	2023.4	107.21	2534.8	442.18
TPF 95.00%	3210.9	2442.2	129.40	3059.5	533.71
TPF 90.00%	5826.0	4446.0	232.28	5477.8	972.29
TPF 85.00%	8387.4	6461.4	324.17	7586.5	1415.8
TPF 80.00%	11079.	8575.9	421.31	9819.8	1880.6
TPF 75.00%	13858.	10715.	529.02	12348.	2344.3
TPF 70.00%	16943.	13089.	648.62	15155.	2859.2
TPF 65.00%	20281.	15656.	779.91	18193.	3416.3

TPF	60.00%	23881.	18423.	922.72	21469.	4017.2
TPF	55.00%	27868.	21487.	1080.9	25099.	4682.9
TPF	50.00%	32483.	25112.	1245.9	28908.	5512.8
TPF	45.00%	37639.	29175.	1427.2	33097.	6449.8
TPF	40.00%	43424.	33733.	1630.7	37797.	7501.2
TPF	35.00%	50548.	39214.	1922.3	44230.	8662.6
TPF	30.00%	58770.	45539.	2259.4	51662.	10002.
TPF	25.00%	68690.	53215.	2644.8	60449.	11659.
TPF	20.00%	81715.	63448.	3079.5	71383.	13976.
TPF	15.00%	0.10006E+06	77859.	3691.7	86781.	17239.
TPF	10.00%	0.12842E+06	0.10025E+06	4753.0	0.10947E+06	22178.
TPF	5.00%	0.18327E+06	0.14341E+06	6833.0	0.15402E+06	31624.
TPF	4.00%	0.20569E+06	0.16064E+06	7671.8	0.17477E+06	35291.
TPF	3.00%	0.23140E+06	0.18041E+06	8634.1	0.19858E+06	39498.
TPF	2.00%	0.27681E+06	0.21531E+06	10333.	0.24061E+06	46925.
TPF	1.00%	0.35185E+06	0.27300E+06	13142.	0.31007E+06	59201.
TPF	0.10%	0.68647E+06	0.54249E+06	24684.	0.55059E+06	0.11990E+06
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 4 46.71% 31417. 40015.

	Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	46.71%	31417.	24272.	1208.4	28041.	5319.0
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	425.15	323.36	17.133	405.10	70.666
TPF	98.00%	808.69	615.08	32.590	770.55	134.42
TPF	97.00%	1174.2	893.05	47.318	1118.8	195.16
TPF	96.00%	1530.1	1163.8	61.662	1457.9	254.33
TPF	95.00%	1878.0	1428.4	75.684	1789.5	312.16
TPF	90.00%	3456.8	2629.2	139.31	3293.7	574.56
TPF	85.00%	4977.2	3785.6	200.58	4742.4	827.28
TPF	80.00%	6542.9	5010.1	258.00	6068.0	1096.4
TPF	75.00%	8146.7	6272.0	315.53	7388.4	1374.1
TPF	70.00%	9948.2	7689.5	380.16	8871.5	1686.1
TPF	65.00%	11841.	9162.3	450.84	10513.	2007.8
TPF	60.00%	13842.	10702.	528.39	12333.	2341.6
TPF	55.00%	16183.	12504.	619.14	14463.	2732.3
TPF	50.00%	18711.	14449.	717.60	16763.	3154.1
TPF	45.00%	21661.	16717.	834.63	19448.	3646.6
TPF	40.00%	25036.	19311.	968.56	22521.	4210.1
TPF	35.00%	28853.	22253.	1118.3	25959.	4853.2
TPF	30.00%	33628.	26014.	1286.2	29838.	5720.8
TPF	25.00%	39542.	30675.	1494.2	34643.	6795.7
TPF	20.00%	47044.	36519.	1778.7	41063.	8091.9
TPF	15.00%	57129.	44277.	2192.1	50179.	9734.4
TPF	10.00%	72536.	56236.	2773.2	63677.	12343.
TPF	5.00%	0.10184E+06	79257.	3751.1	88275.	17556.
TPF	4.00%	0.11320E+06	88226.	4174.7	97382.	19536.
TPF	3.00%	0.12736E+06	99405.	4712.6	0.10862E+06	21993.
TPF	2.00%	0.14977E+06	0.11711E+06	5564.2	0.12642E+06	25884.
TPF	1.00%	0.19100E+06	0.14934E+06	7121.9	0.16117E+06	32887.
TPF	0.10%	0.36464E+06	0.28283E+06	13620.	0.32191E+06	61293.
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 5 28.78% 20460. 24998.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	28.78%	20460.	15794.	787.01	18355.	3446.2
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	280.80	213.57	11.316	267.55	46.673
TPF	98.00%	536.16	407.80	21.607	510.87	89.118
TPF	97.00%	780.69	593.78	31.461	743.87	129.76
TPF	96.00%	1017.8	774.15	41.018	969.83	169.18
TPF	95.00%	1254.4	954.06	50.551	1195.2	208.50
TPF	90.00%	2385.5	1814.4	96.134	2273.0	396.50
TPF	85.00%	3437.2	2614.2	138.52	3275.0	571.31
TPF	80.00%	4504.2	3425.8	181.52	4291.8	748.67
TPF	75.00%	5608.8	4275.1	224.48	5299.0	934.68
TPF	70.00%	6779.2	5196.0	266.47	6262.5	1137.3
TPF	65.00%	7996.2	6153.6	310.13	7264.5	1348.1
TPF	60.00%	9423.5	7276.6	361.34	8439.5	1595.2
TPF	55.00%	10900.	8438.2	414.38	9657.2	1850.8
TPF	50.00%	12596.	9743.3	480.10	11200.	2133.7
TPF	45.00%	14398.	11131.	549.97	12839.	2434.5
TPF	40.00%	16630.	12848.	636.48	14870.	2806.9
TPF	35.00%	19145.	14783.	734.83	17158.	3226.7
TPF	30.00%	22152.	17095.	854.15	19896.	3728.7
TPF	25.00%	25919.	19990.	1003.6	23325.	4357.6
TPF	20.00%	30676.	23689.	1182.4	27440.	5184.4
TPF	15.00%	37187.	28819.	1411.3	32730.	6367.7
TPF	10.00%	47173.	36618.	1784.0	41179.	8112.9
TPF	5.00%	65304.	50564.	2527.2	57568.	11066.
TPF	4.00%	72290.	56043.	2765.0	63471.	12299.
TPF	3.00%	80849.	62767.	3050.6	70655.	13822.
TPF	2.00%	94568.	73544.	3508.4	82171.	16262.
TPF	1.00%	0.11992E+06	93528.	4429.8	0.10271E+06	20701.
TPF	0.10%	0.22693E+06	0.17697E+06	8466.5	0.19443E+06	38765.
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 6 14.88% 14715. 17272.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	14.88%	14715.	11374.	562.25	13127.	2487.3
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	208.82	158.82	8.4152	198.97	34.709
TPF	98.00%	392.65	298.64	15.823	374.13	65.264
TPF	97.00%	577.37	439.14	23.268	550.14	95.968
TPF	96.00%	753.89	573.39	30.381	718.33	125.31
TPF	95.00%	926.51	704.69	37.338	882.81	154.00
TPF	90.00%	1788.2	1360.1	72.065	1703.9	297.23
TPF	85.00%	2605.6	1981.7	105.00	2482.7	433.08
TPF	80.00%	3411.7	2594.9	137.49	3250.8	567.08
TPF	75.00%	4244.2	3228.1	171.04	4044.0	705.45
TPF	70.00%	5106.7	3884.1	205.80	4865.8	848.80
TPF	65.00%	6044.2	4617.7	240.11	5657.5	1010.1

TPF	60.00%	7031.3	5394.4	275.52	6470.1	1181.0
TPF	55.00%	8097.7	6233.5	313.78	7348.1	1365.6
TPF	50.00%	9359.6	7226.3	359.04	8386.9	1584.1
TPF	45.00%	10698.	8279.6	407.07	9489.0	1815.9
TPF	40.00%	12263.	9487.3	467.21	10897.	2078.2
TPF	35.00%	13975.	10804.	533.54	12454.	2363.8
TPF	30.00%	16166.	12491.	618.49	14447.	2729.5
TPF	25.00%	18739.	14471.	718.72	16788.	3158.9
TPF	20.00%	22088.	17045.	851.58	19837.	3717.9
TPF	15.00%	26647.	20549.	1032.5	23988.	4479.1
TPF	10.00%	33475.	25894.	1280.8	29714.	5693.1
TPF	5.00%	46568.	36152.	1759.1	40632.	8014.4
TPF	4.00%	51045.	39597.	1942.7	44679.	8743.5
TPF	3.00%	57061.	44224.	2189.3	50117.	9723.2
TPF	2.00%	65544.	50749.	2537.1	57785.	11105.
TPF	1.00%	82352.	63947.	3100.7	71917.	14089.
TPF	0.10%	0.15361E+06	0.12014E+06	5710.2	0.12947E+06	26551.
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 7 6.52% 11327. 12804.

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	6.52%	11327.	8766.6	430.91	10045.	1922.0
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	167.12	127.11	6.7350	159.24	27.778
TPF	98.00%	309.28	235.23	12.464	294.69	51.407
TPF	97.00%	452.35	344.05	18.229	431.01	75.187
TPF	96.00%	596.36	453.58	24.033	568.23	99.123
TPF	95.00%	733.81	558.12	29.572	699.19	121.97
TPF	90.00%	1413.3	1075.0	56.956	1346.7	234.92
TPF	85.00%	2090.1	1589.7	84.231	1991.6	347.41
TPF	80.00%	2744.1	2087.1	110.59	2614.7	456.11
TPF	75.00%	3409.9	2593.5	137.42	3249.1	566.77
TPF	70.00%	4105.3	3122.4	165.44	3911.7	682.37
TPF	65.00%	4834.4	3677.0	194.82	4606.4	803.55
TPF	60.00%	5620.7	4284.5	224.91	5308.8	936.75
TPF	55.00%	6477.2	4958.4	255.64	6014.0	1085.1
TPF	50.00%	7388.3	5675.3	288.33	6764.0	1242.8
TPF	45.00%	8442.5	6504.7	326.14	7631.9	1425.3
TPF	40.00%	9661.9	7464.2	369.89	8635.8	1636.5
TPF	35.00%	11005.	8519.0	418.45	9752.7	1868.3
TPF	30.00%	12636.	9774.0	481.65	11236.	2140.4
TPF	25.00%	14525.	11228.	554.86	12954.	2455.5
TPF	20.00%	17067.	13185.	653.43	15267.	2879.9
TPF	15.00%	20471.	15802.	787.43	18365.	3448.0
TPF	10.00%	25536.	19695.	988.40	22976.	4293.6
TPF	5.00%	34919.	27032.	1331.6	30887.	5955.6
TPF	4.00%	38412.	29784.	1454.4	33725.	6590.3
TPF	3.00%	42747.	33200.	1606.9	37247.	7378.2
TPF	2.00%	49507.	38414.	1879.7	43289.	8493.1
TPF	1.00%	61474.	47618.	2370.2	54106.	10442.
TPF	0.10%	0.11124E+06	86674.	4100.0	95821.	19195.
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 8 2.45% 9126.9 9968.4

Prob.	BOE (MBbl)		Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)
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Mean	2.45%	9126.9	7043.3	350.70	8195.4	1543.9
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	140.03	106.50	5.6430	133.42	23.275
TPF	98.00%	255.02	193.96	10.277	242.99	42.388
TPF	97.00%	370.85	282.07	14.945	353.36	61.641
TPF	96.00%	487.55	370.82	19.648	464.56	81.038
TPF	95.00%	605.13	460.25	24.386	576.59	100.58
TPF	90.00%	1164.5	885.68	46.928	1109.6	193.55
TPF	85.00%	1731.5	1316.9	69.777	1649.8	287.80
TPF	80.00%	2296.4	1746.6	92.543	2188.1	381.69
TPF	75.00%	2846.6	2165.0	114.71	2712.3	473.14
TPF	70.00%	3423.5	2603.8	137.96	3262.0	569.03
TPF	65.00%	4031.5	3066.3	162.47	3841.4	670.10
TPF	60.00%	4675.2	3555.9	188.41	4454.7	777.08
TPF	55.00%	5365.5	4083.7	215.76	5098.7	892.56
TPF	50.00%	6138.8	4692.1	243.50	5735.3	1026.4
TPF	45.00%	6972.4	5348.0	273.40	6421.6	1170.8
TPF	40.00%	7881.2	6063.1	306.01	7169.8	1328.2
TPF	35.00%	9034.7	6970.7	347.39	8119.5	1527.9
TPF	30.00%	10322.	7983.3	393.56	9178.9	1750.7
TPF	25.00%	11882.	9194.0	452.44	10550.	2014.6
TPF	20.00%	13776.	10652.	525.85	12273.	2330.6
TPF	15.00%	16450.	12709.	629.48	14705.	2776.8
TPF	10.00%	20391.	15741.	784.27	18293.	3434.7
TPF	5.00%	27643.	21315.	1072.0	24894.	4645.4
TPF	4.00%	30216.	23327.	1166.2	27066.	5100.9
TPF	3.00%	33591.	25985.	1284.9	29807.	5714.1
TPF	2.00%	38706.	30016.	1464.7	33963.	6643.7
TPF	1.00%	48032.	37279.	1819.2	41955.	8252.8
TPF	0.10%	84729.	65815.	3180.1	73912.	14512.
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 9 0.80% 7580.1 8031.0

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.80%	7580.1	5826.2	295.21	6921.9	1276.0
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	120.72	91.820	4.8651	115.03	20.066
TPF	98.00%	216.33	164.53	8.7178	206.12	35.957
TPF	97.00%	312.69	237.83	12.601	297.94	51.973
TPF	96.00%	409.83	311.71	16.516	390.50	68.119
TPF	95.00%	507.76	386.19	20.462	483.81	84.396
TPF	90.00%	982.22	747.06	39.583	935.89	163.26
TPF	85.00%	1461.3	1111.4	58.888	1392.3	242.88
TPF	80.00%	1948.4	1482.0	78.521	1856.5	323.86
TPF	75.00%	2435.3	1852.3	98.142	2320.5	404.79
TPF	70.00%	2923.8	2223.8	117.83	2785.8	485.97
TPF	65.00%	3439.9	2616.3	138.62	3277.6	571.76

TPF	60.00%	3988.3	3033.5	160.73	3800.2	662.92
TPF	55.00%	4574.2	3479.1	184.34	4358.5	760.31
TPF	50.00%	5204.1	3958.1	209.72	4958.6	865.00
TPF	45.00%	5920.8	4520.6	235.68	5555.9	988.70
TPF	40.00%	6707.5	5139.6	263.90	6203.6	1124.9
TPF	35.00%	7577.5	5824.2	295.11	6919.8	1275.6
TPF	30.00%	8662.1	6677.6	334.02	7812.7	1463.4
TPF	25.00%	9955.8	7695.5	380.43	8877.8	1687.4
TPF	20.00%	11544.	8933.8	439.33	10243.	1958.2
TPF	15.00%	13619.	10531.	519.76	12130.	2304.5
TPF	10.00%	16789.	12971.	642.64	15014.	2833.4
TPF	5.00%	22557.	17405.	870.20	20264.	3796.2
TPF	4.00%	24623.	18993.	952.16	22145.	4141.1
TPF	3.00%	27257.	21018.	1056.7	24543.	4580.9
TPF	2.00%	31253.	24143.	1202.7	27908.	5289.1
TPF	1.00%	38552.	29895.	1459.4	33839.	6615.8
TPF	0.10%	66840.	51761.	2583.1	58896.	11330.
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 10 0.22% 6424.8 6631.2

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.22%	6424.8	4917.2	253.76	5970.8	1076.0
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	106.02	80.636	4.2725	101.02	17.622
TPF	98.00%	186.84	142.10	7.5294	178.02	31.055
TPF	97.00%	268.33	204.09	10.814	255.68	44.601
TPF	96.00%	350.52	266.60	14.126	333.99	58.262
TPF	95.00%	433.42	329.65	17.466	412.97	72.040
TPF	90.00%	842.67	640.92	33.959	802.92	140.06
TPF	85.00%	1253.8	953.60	50.526	1194.6	208.40
TPF	80.00%	1676.3	1274.9	67.552	1597.2	278.62
TPF	75.00%	2104.7	1600.8	84.818	2005.4	349.83
TPF	70.00%	2535.9	1928.7	102.19	2416.2	421.50
TPF	65.00%	2979.4	2266.1	120.07	2838.9	495.22
TPF	60.00%	3451.8	2625.4	139.10	3289.0	573.74
TPF	55.00%	3958.0	3010.4	159.51	3771.3	657.88
TPF	50.00%	4504.1	3425.7	181.51	4291.6	748.64
TPF	45.00%	5097.7	3877.2	205.43	4857.2	847.31
TPF	40.00%	5776.0	4406.7	230.49	5436.7	963.64
TPF	35.00%	6539.3	5007.3	257.87	6065.1	1095.8
TPF	30.00%	7400.3	5684.7	288.75	6773.9	1244.9
TPF	25.00%	8474.1	6529.6	327.28	7658.0	1430.8
TPF	20.00%	9833.7	7599.4	376.05	8777.2	1666.2
TPF	15.00%	11587.	8966.8	441.00	10282.	1965.4
TPF	10.00%	14082.	10887.	537.71	12552.	2381.7
TPF	5.00%	18862.	14565.	723.58	16900.	3179.3
TPF	4.00%	20532.	15849.	789.85	18421.	3458.2
TPF	3.00%	22610.	17446.	872.31	20313.	3805.1
TPF	2.00%	25872.	19953.	1001.7	23282.	4349.6
TPF	1.00%	31696.	24493.	1218.3	28269.	5369.8
TPF	0.10%	54576.	42312.	2087.4	47871.	9318.5
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07



Rank 11 0.05% 5529.3 5581.7

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.05%	5529.3	4212.6	221.63	5233.6	920.92
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	94.419	71.814	3.8050	89.966	15.694
TPF	98.00%	163.56	124.40	6.5915	155.85	27.187
TPF	97.00%	233.32	177.46	9.4025	222.31	38.781
TPF	96.00%	303.69	230.98	12.238	289.36	50.477
TPF	95.00%	374.69	284.98	15.100	357.01	62.278
TPF	90.00%	732.19	556.89	29.507	697.66	121.70
TPF	85.00%	1086.3	826.19	43.775	1035.0	180.55
TPF	80.00%	1452.8	1105.0	58.547	1384.3	241.48
TPF	75.00%	1833.2	1394.3	73.878	1746.8	304.71
TPF	70.00%	2220.8	1689.1	89.496	2116.0	369.13
TPF	65.00%	2610.3	1985.4	105.20	2487.2	433.88
TPF	60.00%	3020.9	2297.6	121.74	2878.4	502.11
TPF	55.00%	3461.7	2632.9	139.50	3298.4	575.38
TPF	50.00%	3938.4	2995.5	158.72	3752.7	654.63
TPF	45.00%	4458.3	3390.9	179.66	4248.0	741.03
TPF	40.00%	5030.6	3826.2	202.73	4793.3	836.16
TPF	35.00%	5691.0	4339.8	227.43	5366.7	948.92
TPF	30.00%	6453.1	4939.4	254.77	5994.1	1080.9
TPF	25.00%	7334.5	5633.0	286.40	6719.8	1233.5
TPF	20.00%	8466.6	6523.7	327.01	7651.7	1429.5
TPF	15.00%	9982.4	7716.4	381.39	8899.7	1692.0
TPF	10.00%	12149.	9399.6	462.79	10793.	2059.2
TPF	5.00%	16065.	12414.	614.59	14356.	2712.7
TPF	4.00%	17380.	13426.	665.56	15552.	2932.1
TPF	3.00%	19170.	14802.	735.81	17181.	3230.8
TPF	2.00%	21788.	16815.	839.71	19565.	3667.9
TPF	1.00%	26566.	20487.	1029.3	23914.	4465.6
TPF	0.10%	45288.	35168.	1706.7	39475.	7805.9
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 12 0.01% 4820.9 4774.6

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.01%	4820.9	3666.7	194.28	4593.5	801.30
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	85.170	64.779	3.4323	81.152	14.156
TPF	98.00%	145.00	110.29	5.8435	138.16	24.102
TPF	97.00%	205.38	156.21	8.2765	195.69	34.137
TPF	96.00%	266.30	202.54	10.732	253.74	44.263
TPF	95.00%	327.79	249.31	13.210	312.33	54.483
TPF	90.00%	643.83	489.69	25.946	613.46	107.01
TPF	85.00%	951.19	723.46	38.332	906.32	158.10
TPF	80.00%	1273.4	968.54	51.318	1213.4	211.66
TPF	75.00%	1607.6	1222.7	64.783	1531.7	267.20
TPF	70.00%	1952.9	1485.4	78.702	1860.8	324.61
TPF	65.00%	2311.9	1758.4	93.169	2202.9	384.28

TPF	60.00%	2671.7	2032.1	107.67	2545.7	444.08
TPF	55.00%	3058.7	2326.4	123.26	2914.4	508.39
TPF	50.00%	3477.9	2645.2	140.16	3313.9	578.08
TPF	45.00%	3936.1	2993.7	158.62	3750.5	654.24
TPF	40.00%	4441.9	3378.5	179.01	4232.4	738.31
TPF	35.00%	5007.3	3808.5	201.79	4771.1	832.29
TPF	30.00%	5671.0	4324.1	226.72	5350.2	945.46
TPF	25.00%	6457.7	4943.0	254.94	5997.9	1081.7
TPF	20.00%	7399.2	5683.8	288.71	6773.0	1244.7
TPF	15.00%	8691.7	6700.9	335.09	7837.1	1468.5
TPF	10.00%	10546.	8159.9	401.61	9363.7	1789.6
TPF	5.00%	13821.	10687.	527.61	12315.	2338.2
TPF	4.00%	14959.	11562.	571.71	13349.	2528.1
TPF	3.00%	16484.	12736.	630.83	14737.	2782.6
TPF	2.00%	18623.	14382.	714.10	16683.	3139.4
TPF	1.00%	22575.	17419.	870.90	20280.	3799.2
TPF	0.10%	38110.	29546.	1443.8	33479.	6535.4
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 13 0.00% 4241.3 4129.2

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	4241.3	3225.9	170.92	4041.2	704.96
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	77.649	59.058	3.1292	73.986	12.906
TPF	98.00%	129.90	98.802	5.2350	123.78	21.592
TPF	97.00%	182.64	138.91	7.3603	174.03	30.357
TPF	96.00%	235.87	179.40	9.5053	224.74	39.205
TPF	95.00%	289.60	220.26	11.671	275.94	48.136
TPF	90.00%	566.15	430.60	22.815	539.44	94.102
TPF	85.00%	840.76	639.46	33.882	801.10	139.75
TPF	80.00%	1124.4	855.23	45.314	1071.4	186.90
TPF	75.00%	1419.6	1079.7	57.208	1352.6	235.95
TPF	70.00%	1730.9	1316.5	69.753	1649.2	287.70
TPF	65.00%	2049.2	1558.6	82.583	1952.6	340.61
TPF	60.00%	2382.6	1812.2	96.017	2270.2	396.02
TPF	55.00%	2724.3	2072.0	109.79	2595.8	452.82
TPF	50.00%	3094.8	2353.9	124.72	2948.8	514.40
TPF	45.00%	3500.4	2662.3	141.06	3335.3	581.82
TPF	40.00%	3949.0	3003.6	159.14	3762.7	656.38
TPF	35.00%	4451.6	3385.8	179.40	4241.6	739.92
TPF	30.00%	5023.9	3821.1	202.46	4787.0	835.05
TPF	25.00%	5714.0	4357.9	228.26	5385.6	952.90
TPF	20.00%	6558.4	5022.3	258.55	6080.8	1099.1
TPF	15.00%	7621.7	5858.9	296.70	6956.2	1283.2
TPF	10.00%	9263.3	7150.6	355.59	8307.7	1567.5
TPF	5.00%	12116.	9373.9	461.50	10763.	2053.6
TPF	4.00%	13051.	10093.	497.74	11613.	2209.6
TPF	3.00%	14232.	11003.	543.52	12688.	2406.7
TPF	2.00%	16158.	12485.	618.19	14440.	2728.2
TPF	1.00%	19493.	15050.	748.61	17474.	3284.6
TPF	0.10%	32379.	25030.	1242.3	28823.	5493.8
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07

Rank 14 0.00% 3677.1 3538.3

Prob.	BOE (MBbl)	Oil (MBbl)	COil(MBbl)	Gas (MMcf)	SGas(MMcf)	
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Mean	0.00%	3677.1	2796.8	148.19	3503.7	611.19
TPF	100.00%	25.868	19.675	1.0425	24.648	4.2996
TPF	99.00%	70.003	53.243	2.8211	66.701	11.635
TPF	98.00%	114.55	87.128	4.6164	109.15	19.041
TPF	97.00%	159.53	121.33	6.4289	152.00	26.516
TPF	96.00%	204.94	155.87	8.2588	195.27	34.063
TPF	95.00%	250.79	190.74	10.106	238.96	41.684
TPF	90.00%	486.98	370.39	19.625	464.01	80.943
TPF	85.00%	728.60	554.16	29.362	694.23	121.10
TPF	80.00%	971.64	739.01	39.156	925.81	161.50
TPF	75.00%	1228.8	934.58	49.519	1170.8	204.24
TPF	70.00%	1496.4	1138.1	60.304	1425.8	248.72
TPF	65.00%	1781.6	1355.1	71.798	1697.6	296.13
TPF	60.00%	2074.7	1578.0	83.608	1976.8	344.84
TPF	55.00%	2384.9	1813.9	96.111	2272.4	396.41
TPF	50.00%	2706.5	2058.5	109.07	2578.9	449.86
TPF	45.00%	3059.0	2326.7	123.28	2914.8	508.46
TPF	40.00%	3449.9	2623.9	139.03	3287.1	573.42
TPF	35.00%	3889.0	2957.9	156.72	3705.5	646.40
TPF	30.00%	4390.7	3339.5	176.94	4183.6	729.80
TPF	25.00%	4977.1	3785.5	200.57	4742.3	827.26
TPF	20.00%	5707.7	4353.0	228.04	5380.5	951.82
TPF	15.00%	6652.4	5096.3	261.93	6158.2	1115.4
TPF	10.00%	7964.9	6129.0	309.01	7238.8	1342.7
TPF	5.00%	10435.	8072.6	397.63	9272.4	1770.4
TPF	4.00%	11240.	8699.3	427.53	9965.8	1907.4
TPF	3.00%	12318.	9529.3	469.32	10947.	2087.3
TPF	2.00%	13800.	10670.	526.79	12295.	2334.7
TPF	1.00%	16633.	12851.	636.59	14872.	2807.4
TPF	0.10%	27294.	21047.	1058.2	24577.	4587.1
TPF	0.00%	0.92330E+07	0.74384E+07	0.31844E+06	0.66192E+07	0.16766E+07