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SUMMARY OF STANDARD MEASUREMENTS

BP America Production Company
OCS-G-32306 No. 1 BP 1 Well
Mississippi Canyon Block 252

Macondo Prospect
Offshore, Louisiana
File: HH-46949

Date	Sample Number	Permeability, millidarcys		Porosity, percent	Pore Volume, cc	Grain Density, gm/cc
		to Air	Klinkenberg			
4-23-10	Titanium 4					4.50
	Lead 4					11.27
	Berea BD12	889.	843.	22.5	3.94	2.64
	PC-3	27.5	22.9			
	PV-2				5.57	
4-23-10	Titanium 5					4.41
	Lead 5					11.28
	Berea BD12	878.	832.	22.4	3.92	2.64
	PC-3	25.7	21.3			
	PV-2				5.57	
4-23-10	Titanium 5					4.41
	Lead 5					11.28
	Berea BD12	906.	859.	22.5	3.93	2.65
	PC-3	26.2	21.7			
	PV-2				5.56	



6-23-10

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		to Air	Klinkenberg			

SUMMARY OF STANDARD MEASUREMENTS

BP America Production Company
OCS-G-32306 No. 1 BP 1 Well
Mississippi Canyon Block 252

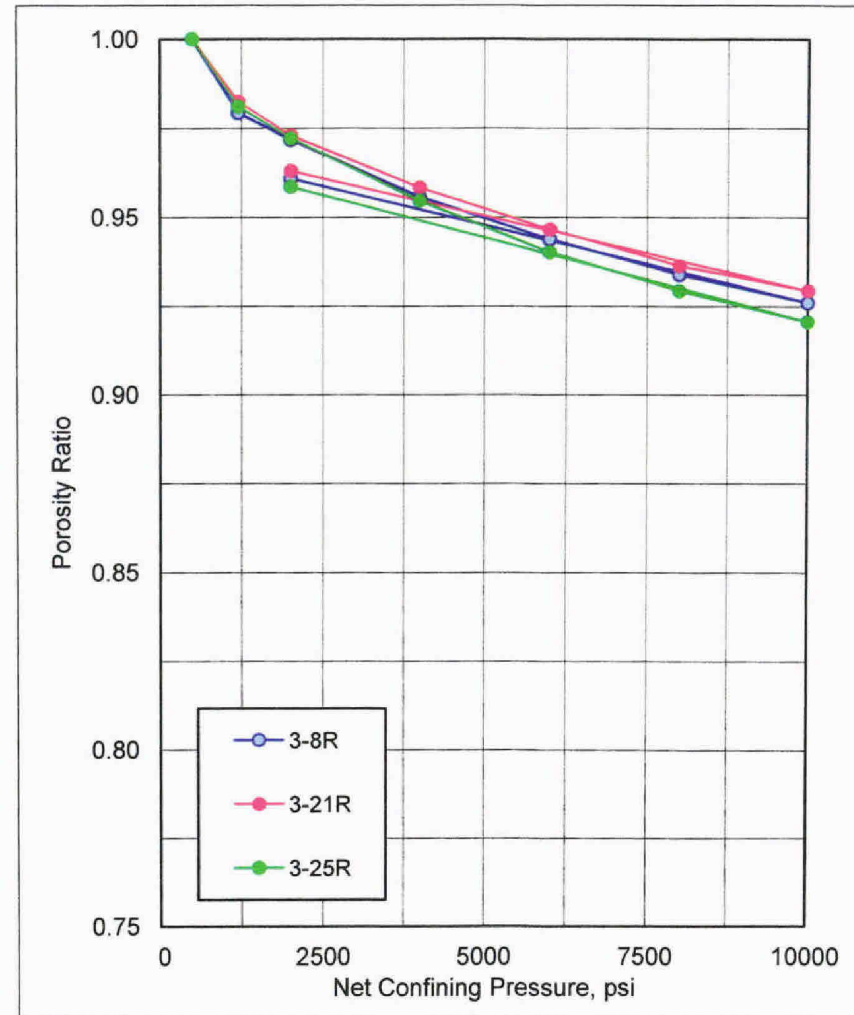
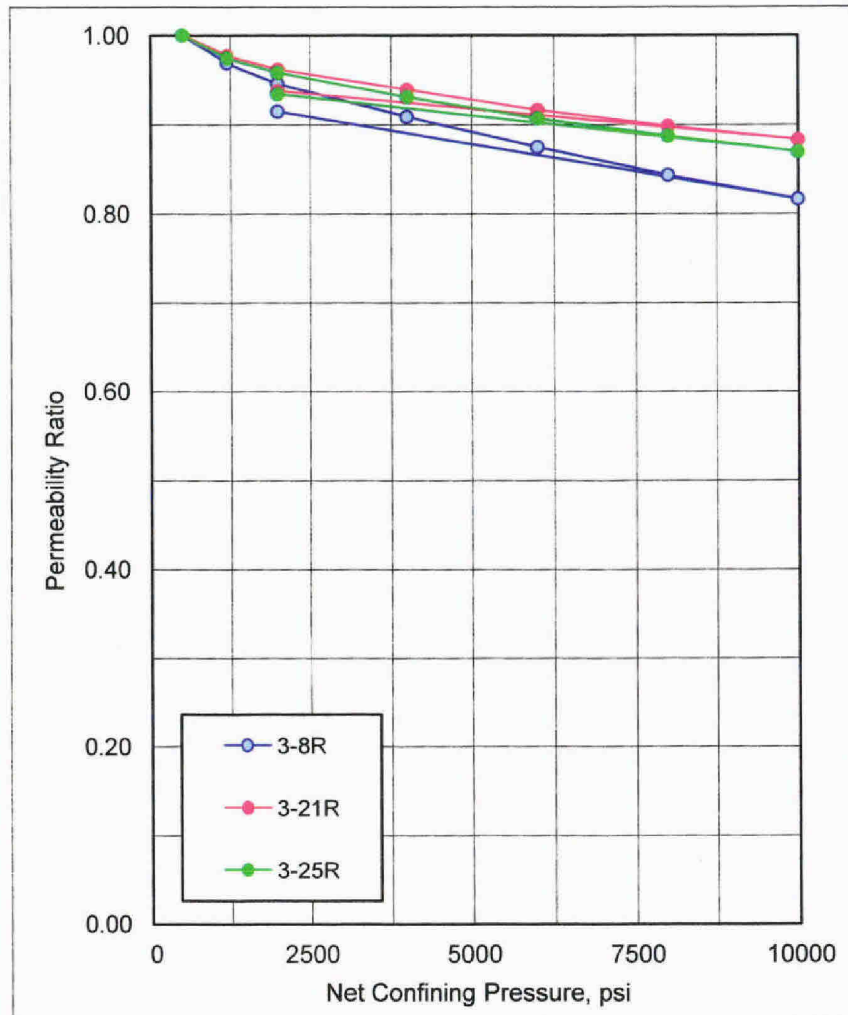
Macondo Prospect
Offshore, Louisiana
File: HH-46949

Date	Sample Number	Permeability, millidarcys		Porosity, percent	Pore Volume, cc	Grain Density, gm/cc
		to Air	Klinkenberg			

PERMEABILITY AND POROSITY VERSUS NET CONFINING PRESSURE

BP America Production Company
OCS-G-32306 No. 1 BP 1 Well
Mississippi Canyon Block 252

Macondo Prospect
Offshore, Louisiana
File: HH-46949



SUMMARY OF STAIRSTEP PERMEABILITY AND POROSITY MEASUREMENTS

BP America Production Company
 OCS-G-32306 No. 1 BP 1 Well
 Mississippi Canyon Block 252

Macondo Prospect
 Offshore, Louisiana
 File: HH-46949

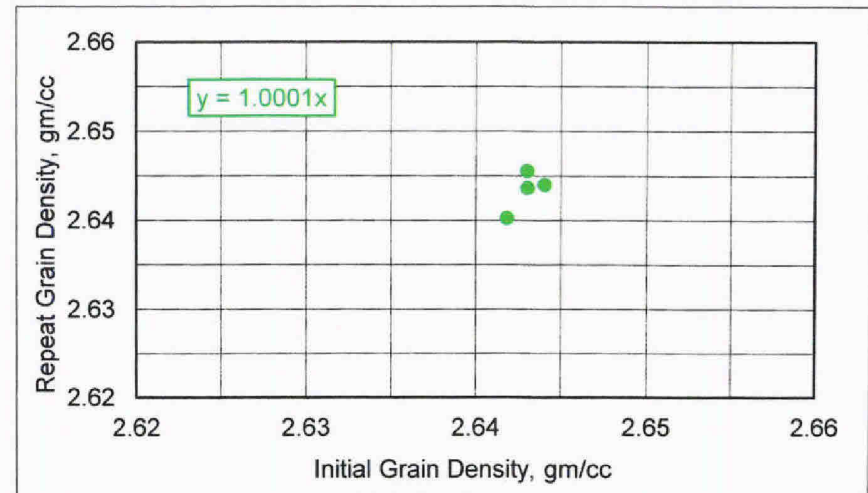
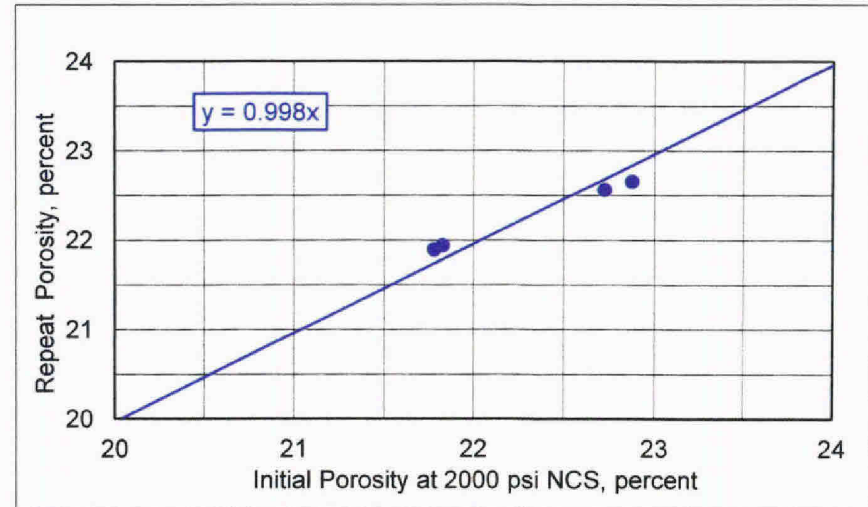
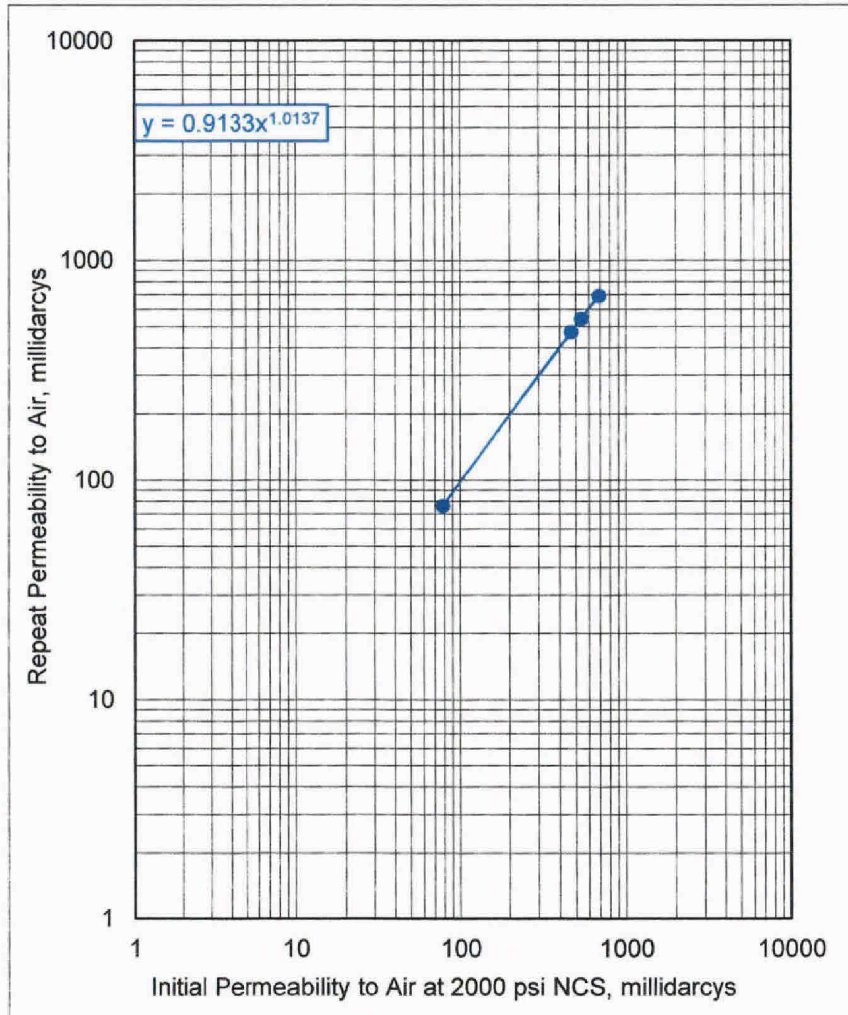
Core Number	Sample Number	Sample Depth, feet	Permeability, millidarcys																Porosity, percent							Grain Density, gm/cc	
			to Air									Klinkenberg															
			500	1200	2000	4000	6000	8000	10000	2000	500	1200	2000	4000	6000	8000	10000	2000	500	1200	2000	4000	6000	8000	10000		2000
3	3-8R	18081.80	83.0	80.4	78.5	75.4	72.6	70.0	67.8	75.9	73.2	70.9	69.1	66.2	63.70	61.3	59.3	66.7	23.4	22.9	22.7	22.4	22.1	21.8	21.7	22.5	2.64
3	3-21R	18147.90	786.	768.	756.	738.	720.	706.	694.	737.	736.	726.	715.	697.	680.	666.	655.	696.	23.4	23.0	22.8	22.4	22.2	21.9	21.8	22.6	2.64
3	3-25R	18161.00	621.	605.	595.	578.	563.	551.	540.	580.	585.	569.	559.	543.	528.	517.	506.	545.	23.7	23.2	23.0	22.6	22.2	22.0	21.8	22.7	2.64
Average Values:			497.	484.	477.	464.	452.	442.	434.	464.	465.	455.	448.	435.	424.	415.	407.	436.	23.5	23.0	22.8	22.5	22.2	21.9	21.7	22.6	2.64

Core Number	Sample Number	Sample Depth, feet	Permeability Ratio, $K/K_{@ 500 \text{ psi}}$																Porosity Ratio, $\frac{\phi}{\phi_{@ 500 \text{ psi}}}$							
			to Air									Klinkenberg														
			500	1200	2000	4000	6000	8000	10000	2000	500	1200	2000	4000	6000	8000	10000	2000	500	1200	2000	4000	6000	8000	10000	2000
3	3-8R	18081.80	1.000	0.969	0.946	0.908	0.875	0.843	0.817	0.914	1.000	0.969	0.944	0.904	0.870	0.837	0.810	0.911	1.000	0.979	0.972	0.958	0.944	0.934	0.926	0.961
3	3-21R	18147.90	1.000	0.977	0.962	0.939	0.916	0.898	0.883	0.938	1.000	0.986	0.971	0.947	0.924	0.905	0.890	0.946	1.000	0.982	0.973	0.958	0.946	0.936	0.929	0.963
3	3-25R	18161.00	1.000	0.974	0.958	0.931	0.907	0.887	0.870	0.934	1.000	0.973	0.956	0.928	0.903	0.884	0.865	0.932	1.000	0.981	0.972	0.955	0.940	0.929	0.921	0.959
Average Values:			1.000	0.973	0.955	0.926	0.899	0.876	0.856	0.929	1.000	0.976	0.957	0.927	0.899	0.875	0.855	0.929	1.000	0.981	0.972	0.956	0.943	0.933	0.925	0.961

INITIAL AND REPEAT PERMEABILITY, POROSITY, AND GRAIN DENSITY CROSSPLOTS

BP America Production Company
OCS-G-32306 No. 1 BP 1 Well
Mississippi Canyon Block 252

Macondo Prospect
Offshore, Louisiana
File: HH-46949



SUMMARY OF REPEAT CORE ANALYSES RESULTS

Vacuum Oven Dried at 105°C

BP America Production Company
OCS-G-32306 No. 1 BP 1 Well
Mississippi Canyon Block 252

Macondo Prospect
Offshore, Louisiana
File: HH-46949

Core Number	Sample Number	Sample Depth, feet	Permeability, millidarcys				NCS Porosity, percent		Grain Density, gm/cc	
			to Air		Klinkenberg		Initial	Repeat	Initial	Repeat
			Initial	Repeat	Initial	Repeat				
3	3-8R	18081.80	78.5	76.0	69.1	66.9	22.7	22.6	2.64	2.64
3	3-9R	18083.00	542.	541.	508.	508.	22.9	22.7	2.64	2.65
1	1-2R	18163.10	694.	688.	655.	649.	21.8	21.9	2.64	2.64
3	3-26R	18166.00	471.	471.	440.	440.	21.8	21.9	2.64	2.64
Average values:			78.5	76.0	69.1	66.9	22.7	22.6	2.64	2.64



SUMMARY OF RCA PLUG RAW DATA
 Vacuum Oven Dried at 105°C Net Confining Stress: 2000 psi

BP America Production Company
 OCS-G-32306 No. 1 BP 1 Well
 Mississippi Canyon Block 252

Nickel Density gm/cc	Screen Density gm/cc	Teflon Density gm/cc
8.99	7.96	2.15

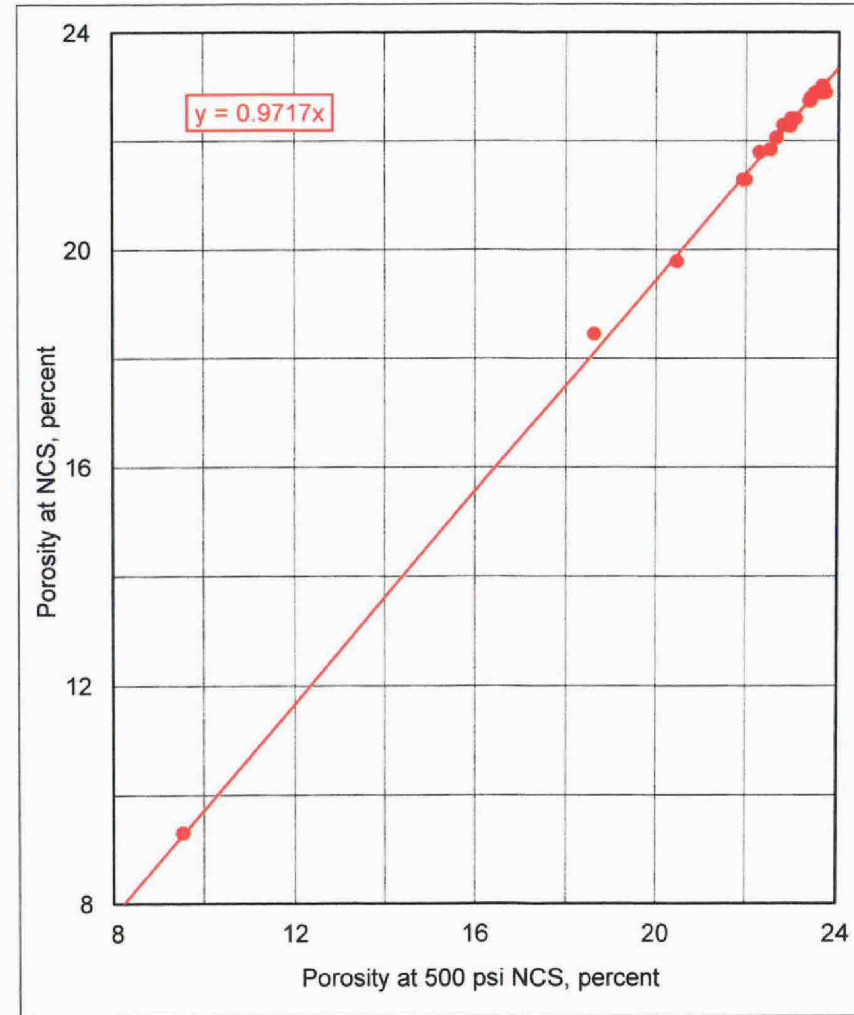
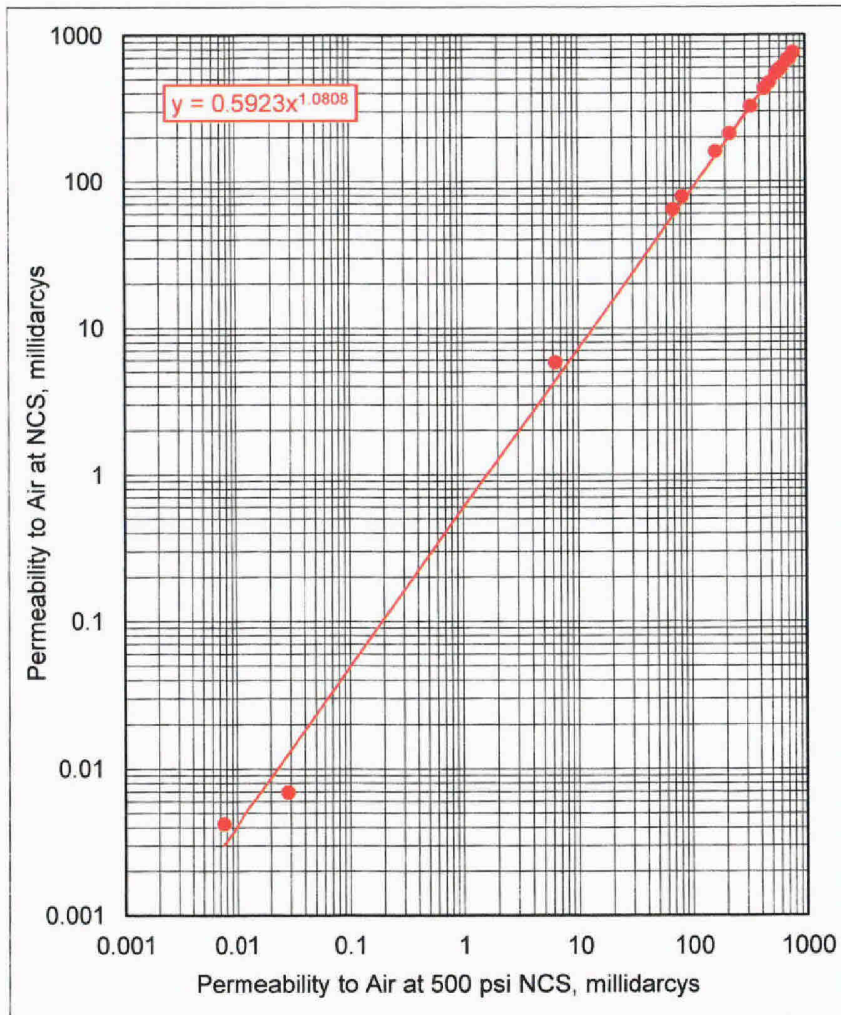
Macondo Prospect
 Offshore, Louisiana
 File: HH-46949

Core Number	Sample Number	Sample Depth, feet	Sieve Weight, grams			Sieve Volume, cc			Dry Weight, gm		Grain Volume, cc				Length, cm	Diameter, cm	L*A Bulk Volume, cc	Hg Bulk Volume, cc	Pore Volume, cc																				
			Nickel Weight, grams	Screen Weight, grams	Teflon Weight, grams	Nickal Volume, cc	Screen Volume, cc	Teflon Volume, cc	Initial		Repeat		NCS																										
			Measured	Corrected	Measured	Corrected	Measured	Corrected	500 psi	1200 psi	2000 psi	4000 psi	6000 psi	8000 psi					10000 psi	2000 psi	Repeat																		
3	3-1R	17706.90							31.72	31.72	11.93	11.93			3.377	2.308	14.13	14.14																					
2	2-1R	18030.60							9.59	9.59	3.66	3.66			1.345	1.974	4.12	4.13																					
3	3-4R	18069.80	0.91	0.57		0.11	0.27		28.07	26.59	10.44	10.06			3.11	2.36	13.61								3.01														
3	3-5R	18072.00	0.91	0.58		0.11	0.27		28.08	26.58	10.43	10.05			3.02	2.35	13.11								2.58														
3	3-8R	18081.80	0.21	0.52		0.03	0.24		28.02	27.29	10.59	10.33			3.17	2.37	13.92								3.15	3.07	3.04	2.97	2.92	2.89	2.85	2.99	3.01						
3	3-9R	18083.00	0.94	0.55		0.12	0.25		27.10	25.61	10.06	9.69			10.06	9.68	3.05	2.37	13.48						2.98														
3	3-10R	18084.90	0.92	0.51		0.11	0.24		24.38	22.96	9.04	8.69			2.71	2.37	11.94								2.57														
2	2-4R	18087.00	1.03	0.61		0.13	0.28		30.18	28.54	11.22	10.81			3.40	2.35	14.69								3.24														
3	3-12R	18121.00							17.77	17.77	6.55	6.55			1.75	2.29	7.24								0.69														
3	3-17R	18131.90	1.09	0.65		0.14	0.30		32.71	30.98	12.15	11.71			3.65	2.37	16.04								3.43														
3	3-19R	18141.90	0.96	0.60		0.12	0.28		28.57	27.01	10.62	10.23			3.23	2.37	14.19								3.05														
3	3-21R	18147.90	0.91	0.53		0.11	0.25		28.73	27.29	10.70	10.34			3.19	2.39	14.28								3.16	3.09	3.05	2.99	2.95	2.90	2.88	3.01							
3	3-23R	18154.00	0.93	0.56		0.12	0.26		22.72	21.23	8.41	8.03			2.59	2.38	11.53								2.49														
3	3-25R	18161.00	0.95	0.85		0.12	0.40		28.27	26.47	10.53	10.01			3.14	2.37	13.78								3.10	3.03	2.99	2.92	2.86	2.82	2.79	2.94							
1	1-2R	18163.10	0.91	0.56		0.11	0.26		28.85	27.39	10.73	10.36			10.73	10.36	3.22	2.36	14.10						2.97														2.90
3	3-26R	18166.00	0.89	0.55		0.11	0.26		27.45	26.01	10.21	9.84			10.22	9.85	3.07	2.36	13.43						2.86														2.77
1	1-3R	18174.00	0.93	0.46		0.12	0.22		22.18	20.79	8.21	7.88			2.57	2.32	10.83								2.45														
3	3-29R	18178.00	0.91	0.50		0.11	0.23		25.12	23.70	9.33	8.98			2.81	2.35	12.21								2.52														
3	3-31R	18183.10	0.97	0.57		0.12	0.27		26.95	25.41	10.00	9.61			3.06	2.34	13.14								2.71														

PERMEABILITY AND POROSITY CROSSPLOTS
 Vacuum Oven Dried at 105°C Net Confining Stress: 2000 psi

BP America Production Company
 OCS-G-32306 No. 1 BP 1 Well
 Mississippi Canyon Block 252

Macondo Prospect
 Offshore, Louisiana
 File: HH-46949



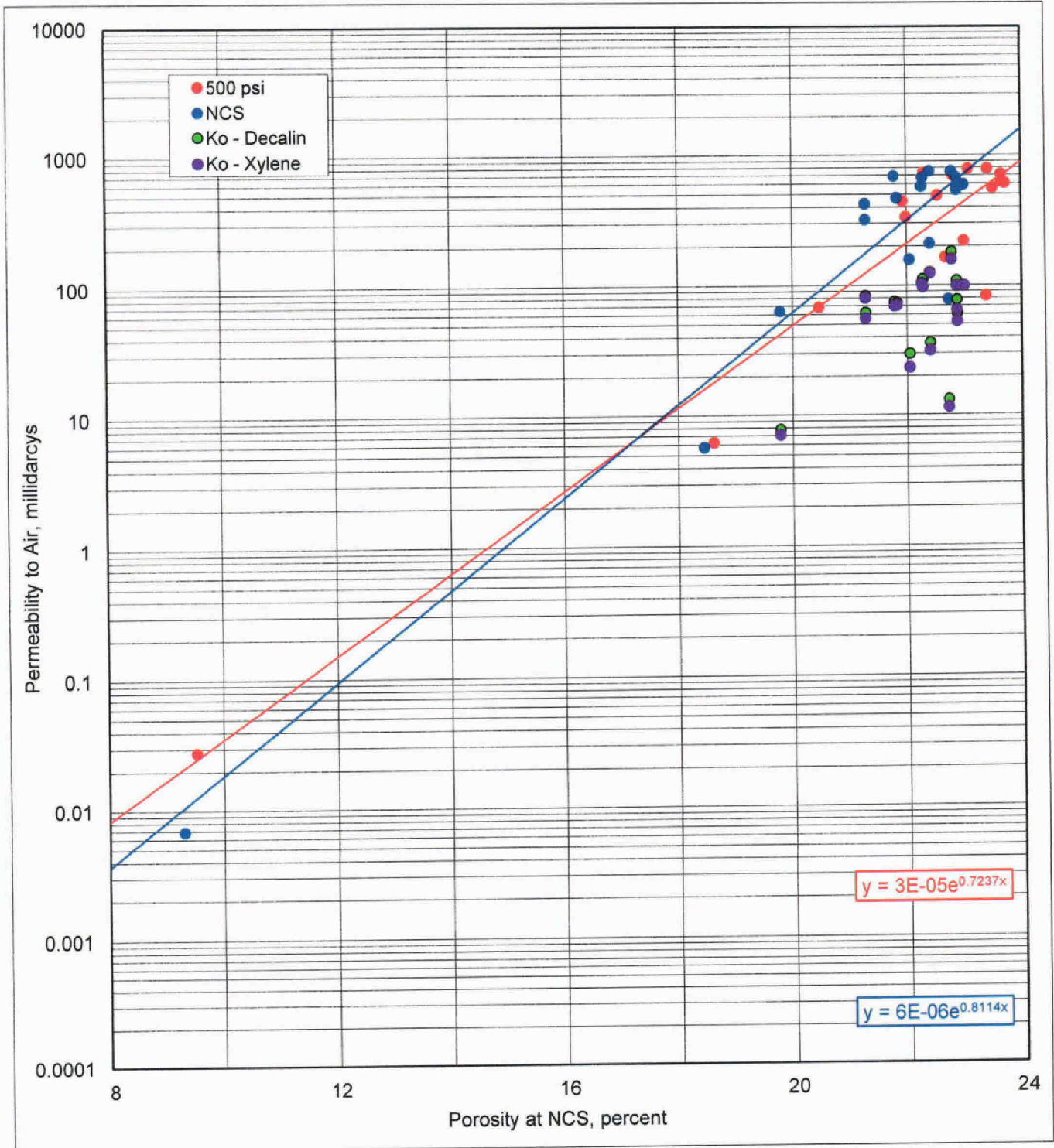
PERMEABILITY VERSUS POROSITY

Vacuum Oven Dried at 105°C

Net Confining Stress: 2000 psi

BP America Production Company
OCS-G-32306 No. 1 BP 1 Well
Mississippi Canyon Block 252

Macondo Prospect
Offshore, Louisiana
File: HH-46949





SUMMARY OF ROTARY SAMPLE CORE ANALYSES RESULTS
 Vacuum Oven Dried at 105°C Net Confining Stress: 2000 psi

BP America Production Company
 OCS-G-32306 No. 1 BP 1 Well
 Mississippi Canyon Block 252

Macondo Prospect
 Offshore, Louisiana
 File: HH-46949

Run Number	Sample Number	Sample Depth, feet	Profile Permeability, millidarcys		Effective Permeability to Oil, millidarcys		Permeability, millidarcys						Ambient Porosity, percent	NCS Porosity, percent			Grain Density, gm/cc		Lithological Descriptions
			As-Rcvd	Dry	Decalin	Xylene	to Air			Klinkenberg				Initial		Repeat	Initial	Repeat	
							500 psi	NCS	NCS	500 psi	NCS	NCS		500 psi	NCS				
3	3-1R	17706.9	1.8										15.6				2.66		Ss vfg sity lam frac
2	2-1R	18030.6	90.0										11.5				2.62		Ss vfg-fg scalc frac
3	3-4R	18069.8	150.	208.	36.1	31.7	220.	211.		201.	193.			23.0	22.4		2.64		Ss fg-mg
3	3-5R	18072.0	24.0	122.	7.78	7.14	68.3	64.1		59.8	56.0			20.5	19.8		2.65		Ss fg-mg
3	3-7R	18080.0	275.		37.0	30.6													
3	3-8R	18081.8	180.	190.	13.2	11.5	83.0	78.5	76.0	73.2	69.1	66.9		23.4	22.7	22.6	2.64	2.64	Ss fg-mg
3	3-9R	18083.0	325.	1080.	77.5	65.1	559.	542.	541.	525.	508.	508.		23.5	22.9	22.7	2.64	2.65	Ss mg-fg
3	3-10R	18084.9	350.	850.	112.	97.8	699.	674.		659.	635.			22.8	22.3		2.64		Ss mg-fg
2	2-4R	18087.0	1050.	1360.	126.	125.	787.	756.		744.	714.			23.1	22.4		2.64		Ss mg-fg
3	3-12R	18121.0	0.4				0.028	0.0069		0.013	0.0022			9.5	9.3		2.71		Ss vfg-fg scalc sity
3	3-14R	18124.9	220.		75.5	71.9													
3	3-17R	18131.9	110.	173.	29.8	23.4	165.	159.		149.	136.			22.7	22.0		2.64		Ss fg
3	3-18R	18134.1	34.0																
3	3-19R	18141.9	350.	890.	104.	103.	593.	577.		558.	542.			23.0	22.3		2.64		Ss mg-fg
3	3-20R	18136.9	160.																
3	3-21R	18147.9	420.	860.	181.	160.	786.	756.		736.	715.			23.4	22.8		2.64		Ss mg-fg
3	3-23R	18154.0	350.	1020.	109.	99.9	715.	680.		675.	641.			23.7	22.9		2.64		Ss mg-fg
3	3-24R	18157.9	360.		118.	112.													
3	3-25R	18161.0	400.	920.	99.7	100.	621.	595.		585.	559.			23.7	23.0		2.64		Ss mg-fg
1	1-2R	18163.1	480.	940.	74.9	70.0	734.	694.	688.	693.	655.	649.		22.3	21.8	21.9	2.64	2.64	Ss fg-mg
3	3-26R	18166.0	360.	850.	73.7	70.8	490.	471.	471.	458.	440.	440.		22.5	21.8	21.9	2.64	2.64	Ss mg-fg
3	3-27R	18167.5	160.																
1	1-3R	18174.0	320.	696.	61.0	52.9	608.	581.		572.	546.			23.7	22.9		2.64		Ss fg-mg
3	3-29R	18178.0	400.	880.	83.4	80.6	442.	426.		412.	367.			21.9	21.3		2.64		Ss mg-fg
3	3-30R	18180.1	470.																
3	3-31R	18183.1	650.	440.	62.0	55.9	336.	322.		314.	298.			22.0	21.3		2.64		Ss fg-mg
3	3-33R	18214.4	1.4				6.26	5.79		4.72	4.34		18.7	18.6	18.4		2.66		Ss vfg-fg scalc
3	3-35R	18232.9	1.2				0.0075	0.0042		0.0024	0.0012		7.9	7.8	7.6		2.68		Ss vfg-fg sity scalc sshy frac
Average values:			275.	717.	78.0	72.1	416.	400.	444.	390.	373.	416.		21.1	20.5	22.3	2.65	2.64	