

Smith Production Company
 Edmond L. Richard et al No. 1
 Grand Cheniere Field (Blackbird Prospect)
 Cameron Parish, Louisiana
 Section 053, T15S-R05W
 API No.: 17023231220000



FILE NO.: LL-58645
 ANALYST: L. Simon
 TECH: A. Broussard
 DATE: July 4, 2012
 CORES: Weatherford

PERCUSSION SIDEWALL CORE ANALYSIS

In. Rec.	Sample Depth Feet	Permeability mD	Porosity %	Pore Volume		Prob Prod	Bulk Volume		Comb. Gas	Crit. Water %	QA Factor	Core Lithology
				Saturation			Saturation					
				Oil %	Water %		Oil %	Gas %				
0.8	9147.0	605.0	28.4	2.4	82.9	Cond	0.7	4.2	0	37	3m	Sd vf-fg slty sshy vft flu
0.3	9150.0	6.5	18.1	0.0	71.1	(6)	0.0	5.2	0	66	4m	Sd fg slty sshy hd no flu
1.0	9155.0	9.3	18.4	0.0	75.0	(6)	0.0	4.6	0	65	2m	Sd vf-fg slty vshy calc no flu
0.5	9156.0	7.7	18.6	0.0	85.7	(6)	0.0	2.7	0	67	3m	Sd vf-fg slty vshy calc no flu
0.5	9158.0	300.0	26.0	2.1	83.5	Cond	0.6	3.7	0	41	2m	Sd vf-fg slty sshy scalc ft yl flu
0.8	9159.0	355.0	27.4	7.7	77.7	Oil	2.1	4.0	0	41	3m	Sd vf-fg slty sshy scalc ft yl flu 40° API
0.5	9161.0	405.0	27.3	6.6	76.8	Oil	1.8	4.6	0	40	3m	Sd vf-fg slty sshy scalc slig ft yl flu
0.5	9163.0	650.0	28.1	8.0	75.3	Oil	2.2	4.7	7	36	2m	Sd vf-fg sslty sshy ft yl flu
0.8	9165.0	510.0	27.9	9.5	73.1	Oil	2.6	4.8	3	39	2m	Sd vfg slty sshy scalc ft yl flu 40° API
0.8	9245.0	425.0	27.5	0.0	85.2	Wtr	0.0	4.1	3	40	3m	Sd vfg slty sshy scalc no flu
0.8	9314.0	385.0	26.2	3.4	85.9	Wtr	0.9	2.8	0	39	3m	Sd vfg slty sshy calc vft flu
1.3	9315.0	0.5	14.0	0.0	85.7	(6)	0.0	2.0	0	69	1	Sd vfg slty vshy calc no flu
0.8	9321.0	1.1	14.4	0.0	84.7	(6)	0.0	2.2	0	66	1	Sd vfg vslty vshy scalc lam no flu
0.8	9331.0	59.0	24.1	4.4	79.4	Wtr	1.1	3.9	0	55	3m	Sd vfg slty shy vft flu
0.8	9333.0	0.9	14.4	0.0	85.1	(6)	0.0	2.1	0	66	3m	Sd vfg slty vshy no flu
1.0	9342.0	2.3	15.4	0.0	85.7	(6)	0.0	2.2	0	65	3m	Sd vfg slty vshy lam no flu
0.8	9344.0	150.0	26.4	4.4	80.3	Wtr	1.2	4.0	5	48	4m	Sd vfg vslty sshy ft yl flu
1.0	9345.0	1.4	14.7	0.0	85.1	(6)	0.0	2.2	0	67	2m	Sd vfg slty vshy lam no flu
1.3	9673.0	0.4	13.9	0.0	85.6	(6)	0.0	2.0	0	69	1	Sd vfg slty vshy lam scalc no flu

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				Saturation			Saturation					
				Oil %	Water %		Oil %	Gas %				
1.0	9675.0	7.1	18.7	5.8	77.4	(6)	1.1	3.1	0	67	4m	Sd vfg slty vshy scalc mott ft yl flu
0.5	9676.0	21.0	22.4	11.3	72.6	Oil	2.5	3.6	0	64	4m	Sd vfg slty shy mott ft yl flu 39° API
1.3	9678.0	33.0	23.4	7.1	72.5	Oil	1.7	4.8	0	60	2m	Sd vf-fg slty shy lam stks ft yl flu
1.5	9683.0	0.8	14.1	0.0	84.4	(6)	0.0	2.2	0	67	1	Sd vfg slty vshy no flu
1.8	9713.0	45.0	25.4	0.0	65.2	Gas	0.0	8.8	0	58	1	Sd vf-fg slty shy calc no flu
1.5	9714.0	33.0	23.0	0.0	66.2	Gas	0.0	7.8	0	60	2m	Sd vf-fg slty shy calc no flu
1.3	9715.0	8.9	18.7	0.0	87.2	(6)	0.0	2.4	0	66	2m	Sd vf-fg slty vshy calc no flu
1.3	9716.0	25.0	21.4	0.0	69.7	Gas	0.0	6.5	0	61	2m	Sd vf-fg slty shy lam scalc no flu
1.5	9717.0	8.5	17.3	0.0	86.0	(6)	0.0	2.4	0	63	1	Sd vf-fg slty vshy calc no flu
1.3	9718.0	4.4	16.2	0.0	84.0	(6)	0.0	2.6	0	65	1	Sd vf-fg slty vshy calc no flu
0.5	9721.0	8.8	18.5	0.0	81.9	(6)	0.0	3.4	0	66	2m	Sd vf-fg slty vshy calc no flu
1.5	9722.0	9.1	19.9	0.0	80.5	(6)	0.0	3.9	0	67	1	Sd vf-fg slty vshy vcalc no flu
0.8	9724.0								0		1	Shale dk gy no flu
0.5	9729.0	7.3	18.6	0.0	80.8	(6)	0.0	3.6	0	67	3m	Sd vfg slty vshy no flu
0.8	9730.0	1.9	15.5	0.7	83.8	(6)	0.1	2.4	0	67	1	Sd vf-fg slty vshy lam stks ft yl flu
1.3	9732.0								5		1	Shale dk brn no flu
0.8	9736.0	2.0	15.7	0.0	78.7	(6)	0.0	3.4	0	67	1	Sd vfg slty vshy no flu
1.3	9737.0	1.5	15.1	0.0	83.8	(6)	0.0	2.4	0	65	1	Sd vfg slty vshy no flu
0.8	9738.0	8.2	19.0	0.0	83.6	(6)	0.0	3.1	0	67	1	Sd vfg slty vshy no flu
1.0	9743.0	6.5	17.2	0.0	83.1	(6)	0.0	2.9	0	64	2m	Sd vfg slty vshy no flu
0.8	9744.0	2.2	15.6	0.0	78.3	(6)	0.0	3.4	0	67	3m	Sd vfg slty vshy no flu

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				Saturation			Saturation					
				Oil %	Water %		Oil %	Gas %				
0.8	9745.0	5.6	17.1	0.0	76.4	(6)	0.0	4.0	0	65	3m	Sd vfg slty vshy no flu
0.8	9750.0	220.0	26.6	8.1	70.5	Oil	2.2	5.7	0	46	3m	Sd vfg vslty sshy ft flu 39° API
	9751.0											No Recovery
0.8	9752.0	50.0	24.7	0.0	78.9	Wtr	0.0	5.2	0	58	4m	Sd vf-fg slty shy no flu
0.8	9753.0	5.7	17.0	0.0	85.7	(6)	0.0	2.4	0	65	4m	Sd vf-fg slty vshy no flu
0.5	9755.0	440.0	27.5	0.0	82.3	Wtr	0.0	4.9	3	40	3fm	Sd vf-fg slty sshy no flu
	9758.0											No Recovery
0.8	9759.0	215.0	26.3	0.0	85.7	Wtr	0.0	3.8	0	45	4m	Sd vf-fg vslty sshy no flu