

OIL SHALE CORE DESCRIPTION

				COLOR						BEDDING		EST. RICHNESS		CALCAR- OUSNESS		ACCE- SSORY		MISC.		GULF MINERAL RESOURCES CO. WELL <u>BONANZA II</u> LOCATION _____								
		DEPTH	LITHOLOGY	TAN	GRAY	BROWN	GRY-BRN	BLACK	OTHER	LAM.	CONTORT.	OTHER	POOR	FAIR	MOD.	RICH	SLIGHTLY	MODERATELY	VERY	PYRITE	SALINE MIN.	CARBON	FOSSILS	VUGS	FRACT.	BRECCIA	REMARKS	
Core #1 Cut 18.5 Bc 18.9		138.5	Oil Sh				X			X			X															
		143.6	Oil Sh			X	X			X			X															
		145	Oil Sh			X	X			X			X															
		146.9	Oil Sh			X	X			X			X															
		147.3	Oil Sh			X	X			X			X															
		150.9	Oil Sh			X	X			X			X															
		151.4	Oil Sh			X	X			X			X															
		152	Oil Sh			X	X			X			X															
		153	Oil Sh			X	X			X			X															
		153.8	Oil Sh			X	X			X			X															
	156.9																											
Core #2 Cut 11.2 Bc 11.2		157.0	Oil Sh				X			X			X															
		160	Shale		X								X															
		161.0	marlstone		X					X			X															
		164	Oil Sh				X			X			X															
		165.8	Oil Sh			X	X			X			X															
		166.8	Oil Sh				X			X			X															
		168.2																										
Core #3 Cut 19.6 Bc 19.6		168.2	Oil Sh			X				X			X															
		170.5	Tuff		X								X															
		170.7	Oil Sh			X				X			X															
		170.9	Tuff		X								X															
		171.0	Oil Sh			X				X			X															
		171.6	Oil Sh			X				X			X															
		173.0	Oil Sh			X		X		X			X															
		174.0	Oil Sh			X				X			X															
		174.6	marlstone		X					X			X															
		177.5	Oil Sh			X	X			X			X															
		181.3	Tuff			X							X															
		181.5	Oil Sh				X			X			X															
		184.3	Oil Sh	X		X				X			X															
Core #4 Cut 20.1 Bc 20.1		185.2	Oil Sh			X	X		X			X																
		186.0	Oil Sh		X				X			X																
		187.8																										
		187.8	Oil Sh			X				X			X															
		188.7	Oil Sh			X				X			X															
		189.8	Oil Sh			X				X			X															
		190.6	Oil Sh			X				X			X															
		191.8	Oil Sh			X				X			X															
		195.3	Oil Sh			X				X			X															
		195.7	Oil Sh			X				X			X															
	196.8	Tuff			X				X			X																
	196.9	Oil Sh			X	X			X			X																
	199.0	Oil Sh			X				X			X																
	199.7	Oil Sh	X		X				X			X																
	202.5	Oil Sh			X				X			X																
	203.6	Oil Sh			X				X			X																
	204.1	Oil Sh			X				X			X																
	206.6	Oil Sh	X		X				X			X																
	207.6	Oil Sh			X				X			X																
	207.9	Oil Sh	X						X			X																

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	DEPTH	LITHOLOGY	COLOR					BEDDING			EST. RICHNESS		CALCAR- OUSNESS		ACCE- SSORY		MISC.		GULF MINERAL RESOURCES CO. WELL <u>BONANZA II</u> LOCATION _____		REMARKS				
			TAN	GRAY	BROWN	GRY-BRN	BLACK	OTHER	LAM.	CONTORT.	OTHER	POOR	FAIR	MOD.	RICH	SLIGHTLY	MODERATELY	VERY	PYRITE	SALINE MIN.		CARBON	FOSSILS	VUGS	FRACT.
Core #8 cut 20.0' Rec 20.0'	268.1	Sandstone	X																						
	269.9	Bit. SS.				X							X												
	277.7	SS	X																						
	277.8	Bit. SS.				X							X												
	281.0	SS	X																						
	281.9	Bit SS	X			X							X												
	285.4	SS	X																						
	287.7	Bit. SS.	X										X												
	288.0	Sandstone	X																						
288.1																									
Core #9 cut 20.0' Rec 20.0'	288.1	Sandstone	X																						
	289.9	Bit. SS.	X			X						X													
	289.95	Sandstone	X																						
	288.1																								
	END of Core																								

GULF MINERAL RESOURCES CO.
WELL BONANZA 11
LOCATION _____