

LA PLATA MANCOS UNIT P-31

CORE DESCRIPTION

CORE NO. 1: Cored 2826' to 2926'. Cored 100', recovered 58½'.  
Average penetration rate 6½ minutes/foot.  
Bedding plane partings and hairline fractures  
throughout entire core.

<u>DEPTH</u>	<u>DESCRIPTION</u>	<u>INDICATED VERTICAL FRACTURES</u>	<u>OBSERVED HAIRLINE FRACTURE PATTERN</u>
2868-2872'	Black shale		Poor
2872-2885'	Black shale with limey siltstone laminations		Poor
2885-2887'	Black shale	Vertical fracture	Fair
2887-2893'	Black shale		Poor
2893-2895'	Black shale	Vertical fracture	Poor
2895-2897'	Black shale		Poor
2898-2903'	Black shale with limey siltstone laminations		Fair
2904-2906'	Black shale with limey siltstone laminations	Vertical fracture	Fair
2906-2914'	Black shale with limey siltstone laminations		Fair
2915-2916'	Black shale		Poor
2917-2924'	Black shale with limey siltstone laminations		Fair
2924-2926'	Black shale (ground up by core bit)		

CORE NO. 2: Cored 2926' to 2976'. Cored 50', recovered 50'.  
Average penetration rate 12 minutes/foot.  
Bedding plane partings and hairline fractures  
throughout entire core.

DEPTH	DESCRIPTION	INDICATED VERTICAL FRACTURES	OBSERVED HAIRLINE FRACTURE PATTERN
2926-2940'	Black shale with limey siltstone laminations		Poor to fair
2940-2950'	Black shale with limey siltstone laminations	Vertical fracture	Good
2950-2956'	Black shale with limey siltstone laminations		Fair
2956-2964'	Black shale with limey siltstone laminations		Poor to fair
2964-2970'	Black shale with limey siltstone laminations		Poor
2970-2976'	Black shale		No good

CORE NO. 3: Cored 2976' to 3036'. Cored 60', recovered 60'.  
Average penetration rate 12 minutes/foot.  
Bedding plane partings and hairline fractures  
throughout entire core.

2976-2980'	Black shale		Poor
2980-2983'	Black shale with limey siltstone laminations		Poor
2983-2987'	Black shale		Poor
2987-3002'	Black shale with limey siltstone laminations		Poor
3002-3013'	Black shale		Poor
3013-3024'	Black shale with limey siltstone laminations		Poor
3024-3036'	Black shale		No good