

WELL LOGS

K Z

API number:	30-025-40533		
OGRID:		Operator:	MACK ENERGY CORP
		Property:	BLACK JACK STATE # 1

surface	ULSTR:	I	18	T	18S	R	35E
			2285	FSL	330	FEL	

BH Loc	ULSTR:	I	18	T	18S	R	35E
			2285	FSL	330	FEL	

Ground Level:	3956	DF:	3976	KB:	3974	
Datum:	KB			TD:	10103	

	Completion Date: (1)	12/6/2012
	Date Logs Received:	12/21/2012
	Date C105 Received:	12/21/2012
	Date Logs/C105 Due in: (2)	12/26/2012

Land: **STATE**

Confidential:	NO		Date out:	
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Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
TD LD CN/GR	200	10106	Three Detector Litho-Density
HRLA	1616	10106	High Resolution Laterolog

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OCD TOPS

Rustler	1755	Bone Spring	6711	
Tansill	3030	1st Sd	8046	
Yates	3189	2nd Carb		
7 rvs	3630	2nd Sd	8460	
	4040	3rd Carb	9214	
	4142	3rd Sd	9376	
Queen	4362	Wolfcamp	9487	
Penrose	4600			
Grayburg	4890	Strawn		
San Andres	5178	Atoka		
Glorieta		Morrow		
Yeso				
Abo				
		Barnett Sh		
Capitan Reef		Miss Lime		
Getaway Bank				
Delaware Sd	5603			