

WELL LOGS

API number:	30-025-36597		
OGRID:		Operator:	PATTERSON PETROLEUM LP
		Property:	J F COOPER 19 STATE # 1

surface	ULSTR:	D	19	T	17S	R	33E
			900	FNL	804	FWL	

BH Loc	ULSTR:	D	19	T	17S	R	33E
			900	FNL	804	FWL	

Ground Level:	4112	DF:	4132	KB:	4133
Datum:	KB			TD:	13710

Land: **STATE**

Completion Date: (1) **8/28/2004**

Date Logs Received: **9/3/2004**

Date Logs Due in: (2)

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	13697	Three Detector Litho-Density
HRLA	4836	13675	High Resolution Laterolog
BHC	4836	13692	Bottom Hole Compensated Sonic
CBL	3650	13590	Acoustic Cement Bond Log

OCD TOPS

Rustler	1179	Strawn	12384		
Tansill		Atoka	12756		
Yates		Morrow	13220		
7 rvrs					
		Austin			
		Chester			
Queen		Miss Lime			
Penrose					
Grayburg	4230				
San Andres	4475				
Glorieta					
Paddock					
Blinbry					
Tubb					
Drinkard					
Abo	8034				
Wolfcamp					