

CONFIDENTIAL

COMPANY: Doyle Hartman

WELL: Bates #3

FIELD: Rhodes Yates Seven Rivers Gas

COUNTY: Lea

STATE: New Mexico

COUNTY	Field	Location	Well	Company	Borehole Compensated So Gamma Ray							
					Schlumberger							
COUNTY	Field	Location	Well	Company	LOCATION		1980' FSL & 1980' FWL (K)		Elev		K B 3004 F	
					Sec 10, T:-26-S, R-37-E		G I 2987 F		D F 3003 F			
COUNTY	Field	Location	Well	Company	LOCATION		Permanent Datum:		Ground Level		Elev 2987 F	
					Log Measured From:		Kelly Bushing		17.0 F above Perm. Datu			
COUNTY	Field	Location	Well	Company	LOCATION		Drilling Measured From		Kelly Bushing			
					API Serial No		SECTION		TOWNSHIP		RANGE	
				30-025-34403		10		26 S		37 E		
MUD	Logging Date		23-JUN-1998									
	Run Number		One									
MUD	Depth Driller		3603 F									
	Schlumberger Depth		3606 F									
MUD	Bottom Log Interval		3554 F									
	Top Log Interval		2577 F									
MUD	Casing Driller Size @ Depth		8.625 IN		((i))		2577 F		((i))			
	Casing Schlumberger		2577 F									
MUD	Bit Size		7.875 IN									
	Type Fluid In Hole		Salt Water / Starch									
MUD	Density		Viscosity		10.1 LB/G		28 S					
	Fluid Loss		PH				10.5					
MUD	Source Of Sample		Circulation Pit									
	RM @ Measured Temperature		0.044 OHMM		((i))		90 DEGF		((i))			
MUD	RMF @ Measured Temperature				((i))				((i))			
	RMC @ Measured Temperature				((i))				((i))			
MUD	Source RMF		RMC		Circulation Pit							
	RM @ MRT		RMF @ MRT		0.038 @ 105		((i)) 105		((i))		((i))	
MUD	Maximum Recorded Temperatures		105 DEGF									
	Circulation Stopped		Time		23-JUN-1998							
MUD	Logger On Bottom		Time		23-JUN-1998		13.00					
	Unit Number		Location		3125		Hobbs, N M					
MUD	Recorded By		Bob Kern									
	Witnessed By		Steve Hartman									

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COUNTY		Lea		Rhodes Yates Seven Rivers Gas	
Field		1980' FSL & 1980' FWL (K)		Bates #3	
Location		Doyle Hartman		LOCATION	
Well		Permanent Datum		Ground Level	
Company		Log Measured From:		Kelly Bushing	
		Drilling Measured From		Kelly Bushing	
		API Serial No		SECTION	
		30-025-34403		10	
		TOWNSHIP		RANGE	
		26 S		37 E	
Logging Date		23-JUN-1998			
Run Number		One			
Depth Driller		3603 F			
Schlumberger Depth		3606 F			
Bottom Log Interval		3593 F			
Top Log Interval		200 F			
Casing Driller Size @ Depth		8.625 IN @ 2577 F			
Casing Schlumberger		2577 F			
Bit Size		7.875 IN			
Type Fluid In Hole		Salt Water / Starch			
Density		10.1 LB/G		28 S	
Viscosity				10.5	
Fluid Loss		PH			
Source Of Sample		Circulation Pit			
RM @ Measured Temperature		0.044 OHMM @ 90 DEGF			
RMF @ Measured Temperature					
RMC @ Measured Temperature					
Source RMF		RMC			
RM @ MRT		RMF @ MRT			
Maximum Recorded Temperatures		Circulation Pit			
Circulation Stopped		0.038 @ 105		105 DEGF	
Logger On Bottom		23-JUN-1998		13.00	
Unit Number		3125		Hobbs, N.M.	
Recorded By		Bob Kern			
Witnessed By		Steve Hartman			

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COUNTY Lea Field Rhodes Yates Seven Rivers Gas Location 1980' FSL & 1980' FWL (K) Well Bates #3 Company Doyle Hartman	Schlumberger	PLATFORM EXPRESS Azimuthal Laterolog MCFL / Gamma Ray			
	LOCATION 1980' FSL & 1980' FWL (K) Sec 10, T. 26-S, R. 37-E		Elev K.B. 3004 F G.L. 2987 F D.F. 3003 F		
	Permanent Datum: Ground Level Log Measured From: Kelly Bushing Drilling Measured From: Kelly Bushing		Elev 2987 F 17.0 F above Perm. Dat.		
	API Serial No 30-025-34403		SECTION 10	TOWNSHIP 26 S	RANGE 37 E

MUD	Logging Date	23-JUN-1998								
	Run Number	One								
	Depth Driller	3603 F								
	Schlumberger Depth	3606 F								
	Bottom Log Interval	3598 F								
	Top Log Interval	2577 F								
	Casing Driller Size @ Depth	8.625 IN	@	2577 F					@	
	Casing Schlumberger	2577 F								
	Bit Size	7.875 IN								
	Type Fluid In Hole	Salt Water / Starch								
	Density	Viscosity	10.1 LB/G	28 S						
	Fluid Loss	PH		10.5						
	Source Of Sample	Circulation Pit								
	RM @ Measured Temperature	0.044 OHMM	(@)	90 DEGF					(@)	
	RMF @ Measured Temperature		(@)						(@)	
	RMC @ Measured Temperature		(@)						(@)	
	Source RMF	RMC	Circulation Pit							
	RM @ MRT	RMF @ MRT	0.038 (@ 105	(@) 105					(@)	(@)
	Maximum Recorded Temperatures	105 DEGF								
	Circulation Stopped	Time	23-JUN-1998							
Logger On Bottom	Time	23-JUN-1998	13:00							
Unit Number	Location	3125	Hobbs, N.M.							
Recorded By	Bob Kern									
Witnessed By	Steve Hartman									

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