

WELL LOGS

K z

Deepen of pilot hole for horizontal

API number:	30-025-32818		
OGRID:		Operator:	CIMAREX ENERGY CO. OF COLORADO
		Property:	MALLON 34 FEDERAL # 16H

surface	ULSTR:	L	34	T	19S	R	34E
			1980	FSL	660	FWL	

BH Loc	ULSTR:	L	34	T	19S	R	34E
			1980	FSL	660	FWL	

Ground Level:	3678	DF:	3697	KB:	3698	
Datum:	KB			TD:	11100	

	Completion Date: (1)	3/19/2010
	Date Logs Received:	6/8/2010 **Late
	Date C105 Received:	6/8/2010 **Late
	Date Logs/C105 Due in: (2)	8/8/2010

Land: **FEDERAL**

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	
MPD/MDN	10000 10980	Compensated Neutron Photo Density GR
MAI	10292 10994	Array Induction Shallow Focused Electric Log

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OCD TOPS

Rustler		Bone Spring		
Tansill		1st Sd		
Yates		2nd Carb		
7 rvrs		2nd Sd		
		3rd Carb	10383	
		3rd Sd	10570	
Queen		Wolfcamp	10878	
Penrose				
Grayburg		Strawn		
San Andres		Atoka		
Glorieta		Morrow		
Yeso				
Abo				
		Barnett Sh		
Capitan Reef		Miss Lime		
Getaway Bank				
Delaware Sd				

WELL LOGS

K z

API number:	30-025-32818		
OGRID:		Operator:	GRUY PETROLEUM MANAGEMENT CO
		Property:	MALLON 34 FEDERAL # 16

surface	ULSTR:	L	34	T	19S	R	34E
			1980	FSL	660	FWL	

BH Loc	ULSTR:	L	34	T	19S	R	34E
			1980	FSL	660	FWL	

Ground Level:	3678	DF:	3686	KB:	3687	
Datum:	KB			TD:	10300	

	Completion Date: (1)	
	Date Logs Received:	10/22/1997
	Date C105 Received:	10/22/1997
	Date Logs/C105 Due in: (2)	

Land: **FEDERAL**

Confidential:	YES			Date out:	10/27/1998
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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	8200	10286	Three Detector Litho-Density
AZLA	8200	10248	Azimuthal Laterolog

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OCD TOPS

Rustler	Bone Spring	8234	
Tansill	1st Sd	9480	
Yates	2nd Carb	9756	
7 rvrs	2nd Sd	9952	
	3rd Carb		
	3rd Sd		
Queen	Wolfcamp		
Penrose			
Grayburg	Strawn		
San Andres	Atoka		
Glorieta	Morrow		
Yeso			
Abo			
	Barnett Sh		
Capitan Reef	Miss Lime		
Getaway Bank			
Delaware Sd			