

WELL LOGS

K_Z

API number:	30-025-40230		
OGRID:		Operator:	MANZANO, LLC
		Property:	QUEENIE 15 FEDERAL # 1H

surface	ULSTR:	M	14	T	20S	R	32E
			200	FSL		795	FWL

BH Loc	ULSTR:	A	15	T	20S	R	32E
			589	FNL		988	FEL

Ground Level:	3532	DF:		KB:			
Datum:				MD:	9112	TVD:	5032

Completion Date: (1) 12/2/2011

Date Logs Received:

Date C105 Received:

Date Logs/C105 Due in: (2)

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		
ONLY LOG RUN: Azimuthal Gamma Ray in horizontal lateral			

K_Z

OCD TOPS

Rustler		Bone Spring			
Tansill		1st Sd			
Yates		2nd Carb			
7 rvs		2nd Sd			
		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					

APR 18 2012