

WELL LOGS

K Z

PILOT HOLE

API number:	30-005-29139		
OGRID:		Operator:	CIMAREX ENERGY CO. OF COLORADO
		Property:	FRANKLIN 18 FEDERAL COM # 3H

surface	ULSTR:	B	18	T	15S	R	31E
			330	FNL	2270	FEL	

BH Loc	ULSTR:	B	18	T	15S	R	31E
			330	FNL	2270	FEL	

Ground Level:	4449	DF:	4469	KB:	4470	
Datum:	KB			TD:	9005	

	Completion Date: (1)	10/22/2010	
	Date Logs Received:	12/13/2010	***LATE***
	Date C105 Received:	12/13/2010	***LATE***
	Date Logs/C105 Due in: (2)	11/11/2010	

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		
DSN/SDL	190	8900	Spectral Density Dual Spaced Neutron
DLL/MGRD	342	8966	Dual Laterolog Micro Guard Log

K Z

OCD TOPS

Rustler	1276	Strawn		
Tansill	2132	Atoka		
Yates	2291	Morrow		
7 rvs	2528			
	2850	Austin		
	2921	Chester		
Queen	3060	Miss Lime		
Penrose				
Grayburg	3464			
San Andres				
Glorieta				
Yeso				
Blinbry				
Tubb	6584			
Lower Yeso	6899			
Abo	7293			
Wolfcamp	8727			

Results of Directional Survey

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		Property:	FRANKLIN 18 FEDERAL COM # 3H

surface	ULSTR:	B	18	T	15S	R	31E
				330	FNL	2270	FEL

BH Loc	ULSTR:	O	18	T	15S	R	31E
13227	MD	8711.0	TVD	4957	FNL	2248	FEL

Top Perf/OH	ULSTR:	B	18	T	15S	R	31E
8230	MD	8229.7	TVD	299	FNL	2254	FEL

Bot Perf/OH	ULSTR:	O	18	T	15S	R	31E
13227	MD	8711.0	TVD	4957	FNL	2248	FEL

	MD	N/S	E/W	VD
	8188.5	30.56	14.89	8188.21
TOP PERFS/OH	8230	30.80	15.63	8229.70
	8283.6	31.12	16.59	8283.29
	13117	-4517.45	15.68	8709.57
BOT PERFS/OH	13227	-4627.28	21.53	8711.02
	13168	-4568.37	18.39	8710.24

NEXT TO LAST	13117	-4517.45	15.68	8709.57
LAST READING	13168	-4568.37	18.39	8710.24
TD	13227	-4627.28	21.53	8711.02

Surface Location	330	FN	2270	FE
Projected BHL	4957	FN	2248	FE
Location of				
Top Perfs/OH	299	FN	2254	FE
Bottom Perfs/OH	4957	FN	2248	FE

SUMMARY of Subsurface Locations

Surface Location	B-18-15S-31E	330	FN	2270	FE	Vert. Depth
Top Perfs/OH	B-18-15S-31E	299	FN	2254	FE	8229.70
Bottom Perfs/OH	O-18-15S-31E	4957	FN	2248	FE	8711.02
Projected TD	O-18-15S-31E	4957	FN	2248	FE	8711.02