

WELL LOGS

K Z

API number:	30-025-38388		
OGRID:		Operator:	CIMAREX ENERGY CO OF COLORADO
		Property:	AFTON 24 FEDERAL COM # 1

surface	ULSTR:	P	24	T	19S	R	33E
			700	FSL	1165	FEL	

BH Loc	ULSTR:	P	24	T	19S	R	33E
			700	FSL	1165	FEL	

Ground Level:	3661	DF:	3685	KB:	3686	
Datum:	KB			TD:	13725	

Land: **FEDERAL**

Completion Date: (1) 11/4/2007
 Date Logs Received: 1/28/2008 ***LATE***
 Date Logs Due in: (2) 11/24/2007

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	200	13676	Spectral Density Dual Spaced Neutron
DLL/MGRD			Dual Laterolog Micro Guard Log
	5001	13718	Spectral Gamma Ray

K Z

OCD TOPS

Rustler	1501	Strawn	12173		
Tansill		Atoka	12460		
Yates	3404	Morrow	12961		
7R	3778				
T. Bowers Sd		Barnett Sh	13600		
B. Bowers Sd		Chester			
Queen	4435	Miss Lime			
Penrose					
Grayburg					
Getaway Bank					
Delaware Sd	5790				
Bone Spring	8022				
1st Sd	9313				
2nd Carb	9620				
2nd Sd	9825				
3rd Carb	10282				
3rd Sd	10612				
Wolfcamp	10880				



CACTUS DRILLING COMPANY, L.L.C.
REPORT OF PROOF OF APPARENT DEVIATION
NEW MEXICO

OPERATOR CIMAREX CO OF COLORADO
5215 NORTH O'CONNOR BLVE
IRVING, TX 75039

FIELD NAME

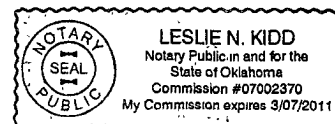
COUNTY/PARISH Lea

WELL NAME & NO. AFTON 24 FED #1

LEGAL SEC 24-19S-33E

700/S 71165/E
30-025-38388

MEASURED DEPTH (FT)	COURSE LENGTH (HUNDREDS OF FT)	ANGLE OF INCLINATION (DEGREES)	DISPLACEMENT PER HUNDRED FT (SINE OF ANGLE X 100)	COURSE DISPLACEMENT (FEET)	ACCUMULATIVE DISPLACEMENT (FEET)	REMARKS
270	2.70	1 4/9	2.5130	6.79	6.79	
701	4.31	1/7	0.2442	1.05	7.84	
1198	4.97	2/3	1.1170	5.55	13.39	
2117	9.19	1/2	0.8727	8.02	21.41	
2515	3.98	1/2	0.8727	3.47	24.88	
2985	4.70	2 1/2	4.3619	20.50	45.38	
3207	2.22	1 1/2	2.6177	5.81	51.19	
3360	1.53	1/2	0.8727	1.34	52.53	
3732	3.72	1/2	0.8727	3.25	55.78	
4205	4.73	1/2	0.8727	4.13	59.90	
4669	4.64	1/2	0.8727	4.05	63.95	
4970	3.01	1/2	0.8727	2.63	66.58	
5249	2.79	1/2	0.8727	2.43	69.01	
5398	1.49	1/2	0.8727	1.30	70.31	
5644	2.46	1/2	0.8727	2.15	72.46	
6707	10.63	1/2	0.8727	9.28	81.74	
7248	5.41	1/2	0.8727	4.72	86.46	
7805	5.57	1/2	0.8727	4.86	91.32	
8310	5.05	1/2	0.8727	4.41	95.73	
8872	5.62	1	1.7452	9.81	105.53	
9312	4.40	1/2	0.8727	3.84	109.37	
9681	3.69	1/2	0.8727	3.22	112.59	
10027	3.46	1/2	0.8727	3.02	115.61	
10345	3.18	1/2	0.8727	2.78	118.39	
10751	4.06	1/2	0.8727	3.54	121.93	
10943	1.92	1	1.7452	3.35	125.28	
11195	2.52	1 1/2	2.6177	6.60	131.88	
11385	1.90	1	1.7452	3.32	135.20	
11610	2.25	3/4	1.3090	2.95	138.14	
11863	2.53	1	1.7452	4.42	142.56	
12115	2.52	1/2	0.8727	2.20	144.75	
12402	2.87	1/2	0.8727	2.50	147.26	
12941	5.39	1/2	0.8727	4.70	151.96	
13504	5.63	1/2	0.8727	4.91	156.88	



Leslie N. Kidd
1-21-08