

Results of Directional Survey

API number:	30-005-29063		
OGRID:		Operator:	CIMAREX ENERGY CO of COLORADO
		Property:	MIDWAY 17 FEDERAL # 2H

surface	ULSTR:	P	17	T	15S	R	31E
			375	FSL		375	FEL

BH Loc	ULSTR:	M	17	T	15S	R	31E
			380	FSL		4917	FEL

Top Perf/OH	ULSTR:	P	17	T	15S	R	31E
		8458		403	FSL		371 FEL

Bot Perf/OH	ULSTR:	M	17	T	15S	R	31E
		13234		380	FSL		4917 FEL

	MD	N/S	E/W	VD
	8368	26.63	1.99	8367.54
TOP PERFS/OH	8458	27.94	4.03	8457.60
	8463	28.01	4.14	8462.60
	13093	13.97	-4400.92	8729.82
BOT PERFS/OH	13234	5.26	-4541.51	8723.54
	13155	10.14	-4462.74	8727.06

NEXT TO LAST	13093	13.97	-4400.92	8729.82
LAST READING	13155	10.14	-4462.74	8727.06
TD	13234	5.26	-4541.51	8723.54

Surface Location	375	FS	375	FE
Projected BHL	380	FS	4917	FE
Location of				
Top Perfs/OH	403	FS	371	FE
Bottom Perfs/OH	380	FS	4917	FE

SUMMARY of Subsurface Locations

Surface Location	P-17-15S-31E	375	FS	375	FE	Vert. Depth
Top Perfs/OH	P-17-15S-31E	403	FS	371	FE	8457.60
Bottom Perfs/OH	M-17-15S-31E	380	FS	4917	FE	8723.54
Projected TD	M-17-15S-31E	380	FS	4917	FE	8723.54