

Results of Directional Survey

API number:	30-005-29064				
OGRID:		Operator:	CIMAREX ENERGY CO of COLORADO		
		Property:	MIDWAY 17 FEDERAL	#	3H

surface	ULSTR:	I	17	T	15S	R	31E
			1980	FSL	375	FEL	

BH Loc	ULSTR:	L	17	T	15S	R	31E
			1983	FSL	4958	FEL	

Top Perf/OH	ULSTR:	I	17	T	15S	R	31E
		8419	2010	FSL	398	FEL	

Bot Perf/OH	ULSTR:	L	17	T	15S	R	31E
		13148	1982	FSL	4868	FEL	

	MD	N/S	E/W	VD
	8418.87	30.20	-22.78	8418.5
TOP PERFS/OH	8419	30.20	-22.78	8418.63
	8480	30.45	-22.46	8479.63
	13081	0.31	-4426.32	8695.51
BOT PERFS/OH	13148	1.66	-4493.20	8691.82
	13144	1.58	-4489.21	8692.04

NEXT TO LAST	13081	0.31	-4426.32	8695.51
LAST READING	13144	1.58	-4489.21	8692.04
TD	13238	3.47	-4583.05	8686.86

Surface Location	1980	FS	375	FE
Projected BHL	1983	FS	4958	FE
Location of				
Top Perfs/OH	2010	FS	398	FE
Bottom Perfs/OH	1982	FS	4868	FE

SUMMARY of Subsurface Locations

Surface Location	I-17-15S-31E	1980	FS	375	FE	Vert. Depth
Top Perfs/OH	I-17-15S-31E	2010	FS	398	FE	8418.63
Bottom Perfs/OH	L-17-15S-31E	1982	FS	4868	FE	8691.82
Projected TD	L-17-15S-31E	1983	FS	4958	FE	8686.86