

Results of Directional Survey

API number:	30-005-29048		
OGRID:		Operator:	CIMAREX ENERGY CO of COLORADO
		Property:	TICONDEROGA 16 STATE COM # 14

surface	ULSTR:	E	16	T	15S	R	31E
			1980	FNL	330	FWL	

BH Loc	ULSTR:	H	16	T	15S	R	31E
			1932	FNL	4943	FWL	

Top Perf/OH	ULSTR:	E	16	T	15S	R	31E
		8317	1960	FNL	278	FWL	

Bot Perf/OH	ULSTR:	H	16	T	15S	R	31E
		13150	1935	FNL	4763	FWL	

	MD	N/S	E/W	VD
	8263.5	19.53	-52.61	8262.82
TOP PERFS/OH	8317	19.84	-52.11	8316.32
	8359	20.09	-51.72	8358.32
	13113	44.35	4397.74	8759.21
BOT PERFS/OH	13150	45.05	4432.86	8762.08
	13176	45.55	4457.54	8764.09

NEXT TO LAST	13239	46.81	4520.28	8769.64
LAST READING	13287	47.60	4568.09	8773.91
TD	13332	48.34	4612.91	8777.91

Surface Location	1980	FN	330	FW
Projected BHL	1932	FN	4943	FW
Location of				
Top Perfs/OH	1960	FN	278	FW
Bottom Perfs/OH	1935	FN	4763	FW

SUMMARY of Subsurface Locations

Surface Location	E-16-15S-31E	1980	FN	330	FW	Vert. Depth
Top Perfs/OH	E-16-15S-31E	1960	FN	278	FW	8316.32
Bottom Perfs/OH	H-16-15S-31E	1935	FN	4763	FW	8762.08
Projected TD	H-16-15S-31E	1932	FN	4943	FW	8777.91