

Results of Directional Survey

API number:	30-025-40132		
OGRID:		Operator:	CIMAREX ENERGY CO. OF COLORADO
		Property:	DIAMANTE 21 FEDERAL # 2H

surface	ULSTR:	I	21	T 19S	R 33E
				1980 FSL	330 FEL

BH Loc	ULSTR:	L	21	T 19S	R 33E
14666	MD	10117.9	TVD	1925 FSL	4940 FEL
					340 FWL

Top Perf/OH	ULSTR:	I	21	T 19S	R 33E
10201	MD	10108.7	TVD	1930 FSL	478 FEL

Bot Perf/OH	ULSTR:	L	21	T 19S	R 33E
14614	MD	10120.5	TVD	1928 FSL	4888 FEL
					392 FWL

	MD	N/S	E/W	VD
	10197	-49.91	-144.52	10107.46
TOP PERFS/OH	10201	-50.11	-148.32	10108.68
	10229	-51.50	-174.95	10117.18
	14611	-52.34	-4554.73	10120.60
BOT PERFS/OH	14614	-52.46	-4557.72	10120.45
	14666	-54.55	-4609.62	10117.91

NEXT TO LAST	14611	-52.34	-4554.73	10120.60
LAST READING	14666	-54.55	-4609.62	10117.91
TD	14666	-54.55	-4609.62	10117.91

Surface Location	1980	FS	330	FE
Projected BHL	1925	FS	4940	FE
Location of				
Top Perfs/OH	1930	FS	478	FE
Bottom Perfs/OH	1928	FS	4888	FE

SUMMARY of Subsurface Locations

Surface Location	I-21-19S-33E	1980	FS	330	FE	Vert. Depth
Top Perfs/OH	I-21-19S-33E	1930	FS	478	FE	10108.68
Bottom Perfs/OH	L-21-19S-33E	1928	FS	4888	FE	10120.45
Projected TD	L-21-19S-33E	1925	FS	4940	FE	10117.91