

Results of Directional Survey

API number:	30-025-37429		
OGRID:		Operator:	PALADIN ENERGY CORP
		Property:	SOUTH VACUUM UNIT # 221

surface	ULSTR:	N	22	T	18S	R	35E
			910	FSL	1650	FWL	

BH Loc	ULSTR:	N	22	T	18S	R	35E
			708	FSL	1669	FWL	

	MD	N/S	E/W	VD
	13819	-140.75	35.44	13801.95
TOP PERFS/OH	13902	-146.53	35.55	13884.75
	13914	-147.37	35.57	13896.72
	13914	-147.37	35.57	13896.72
BOT PERFS/OH	13956	-150.23	35.48	13938.62
	14009	-153.83	35.37	13991.50

NEXT TO LAST	14420	-188.22	25.84	14400.92
LAST READING	14592	-202.29	19.13	14572.21
TD	14592	-202.29	19.13	14572.21

Surface Location	910	FS	1650	FW
Projected BHL	708	FS	1669	FW
Location of				
Top Perfs/OH	763	FS	1686	FW
Bottom Perfs/OH	760	FS	1685	FW

SUMMARY of Subsurface Locations

Surface Location	N-22-18S-35E	910	FS	1650	FW	Vert. Depth
Top Perfs/OH	N-22-18S-35E	763	FS	1686	FW	13884.75
Bottom Perfs/OH	N-22-18S-35E	760	FS	1685	FW	13938.62
Projected TD	N-22-18S-35E	708	FS	1669	FW	14572.21