

Results of Directional Survey

30-025-33177

**PRIMAL ENERGY CORP
KNOWLES # 1**

	Directional			
	MD	N/S	E/W	VD
	12870	-110.66	-159.42	12860.22
TOP PERFS/OH	12961	-110.34	-161.38	12951.19
BOT PERFS/OH	12988	-110.24	-161.96	12978.19
	13014	-110.15	-162.52	13004.18

NEXT TO LAST	12870	-110.66	-159.42	12860.22
LAST READING	13014	-110.15	-162.52	13004.18
TD	13014	-110.15	-162.52	13004.18

Surface Location	3627	FN	1425	FE
Projected BHL	3737	FN	1588	FE
Location of				
Top Perfs	3737	FN	1586	FE
Bottom Perfs	3737	FN	1587	FE

SUMMARY of Subsurface Locations

Surface Location	J-1-16S-38E	3627	FN	1425	FE	
Top Perfs/OH	J-1-16S-38E	3737	FN	1586	FE	12951.19
Bottom Perfs/OH	J-1-16S-38E	3737	FN	1587	FE	12978.19
Projected TD	J-1-16S-38E	3737	FN	1588	FE	13004.18

NSL-4626-A(BHL) - BHL within Lot 10 (Unit J) 3736 FN & 1520 FE