

Results of Directional Survey

API number:	30-025-39622		
OGRID:		Operator:	HARVARD PETROLEUM CO LLC
		Property:	RAMSLAND # 1H

surface	ULSTR:	A	27	T 16S	R 38E
		330	FNL	500	FEL

BH Loc	ULSTR:	G	27	T 16S	R 38E
		2219	FNL	2261	FEL

Top Perf/OH	ULSTR:	A	27	T 16S	R 38E
		8564	356	FNL	824
				FEL	

Bot Perf/OH	ULSTR:	G	27	T 16S	R 38E
		11398	2219	FNL	2261
				FEL	

	MD	N/S	E/W	VD
	8551	-26.59	-311.15	8326.08
TOP PERFS/OH	8564	-25.86	-324.13	8326.03
	8582	-24.86	-342.11	8325.97
	11306	-1797.26	-1758.07	8393.27
BOT PERFS/OH	11398	-1888.94	-1761.26	8400.40
	11338	-1829.15	-1759.18	8395.75

NEXT TO LAST	11306	-1797.26	-1758.07	8393.27
LAST READING	11338	-1829.15	-1759.18	8395.75
TD	11398	-1888.94	-1761.26	8400.40

Surface Location	330	FN	500	FE
Projected BHL	2219	FN	2261	FE
Location of				
Top Perfs/OH	356	FN	824	FE
Bottom Perfs/OH	2219	FN	2261	FE

SUMMARY of Subsurface Locations

Surface Location	A-27-16S-38E	330	FN	500	FE	Vert. Depth
Top Perfs/OH	A-27-16S-38E	356	FN	824	FE	8326.03
Bottom Perfs/OH	G-27-16S-38E	2219	FN	2261	FE	8400.40
Projected TD	G-27-16S-38E	2219	FN	2261	FE	8400.40