

Results of Directional Survey

API number:	30-005-29079		
OGRID:		Operator:	MARSHALL & WINSTON INC
		Property:	MEDLIN 8 FEDERAL COM # 2

surface	ULSTR:	M	08	T 15S	R 31E
			660	FSL	330
				FWL	

BH Loc	ULSTR:	P	08	T 15S	R 31E
			687	FSL	4949
				FWL	

Top Perf/OH	ULSTR:	M	08	T 15S	R 31E
		9050		696	FSL
				898	FWL

Bot Perf/OH	ULSTR:	P	08	T 15S	R 31E
		13030		686	FSL
				4876	FWL

	MD	N/S	E/W	VD
	9028	37.50	546.26	8704.66
TOP PERFS/OH	9050	35.91	568.19	8705.29
	9060	35.19	578.16	8705.58
	13041	26.12	4556.76	8730.18
BOT PERFS/OH	13030	26.05	4545.77	8730.57
	13072	26.31	4587.74	8729.07

NEXT TO LAST	13041	26.12	4556.76	8730.18
LAST READING	13072	26.31	4587.74	8729.07
TD	13103	26.50	4618.72	8727.96

Surface Location	660	FS	330	FW
Projected BHL	687	FS	4949	FW
Location of				
Top Perfs/OH	696	FS	898	FW
Bottom Perfs/OH	686	FS	4876	FW

SUMMARY of Subsurface Locations

Surface Location	M-08-15S-31E	660	FS	330	FW	Vert. Depth
Top Perfs/OH	M-08-15S-31E	696	FS	898	FW	8705.29
Bottom Perfs/OH	P-08-15S-31E	686	FS	4876	FW	8730.57
Projected TD	P-08-15S-31E	687	FS	4949	FW	8727.96