

Results of Directional Survey

API number:	30-005-29078		
OGRID:		Operator:	MARSHALL & WINSTON INC
		Property:	MEDLIN 8 FEDERAL COM # 1H

surface	ULSTR:	L	08	T	15S	R	31E
			1980	FSL	330	FWL	

BH Loc	ULSTR:	I	08	T	15S	R	31E
			2017	FSL	4951	FWL	

Top Perf/OH	ULSTR:	L	08	T	15S	R	31E
		8950	1986	FSL	796	FWL	

Bot Perf/OH	ULSTR:	I	08	T	15S	R	31E
		13000	2017	FSL	4844	FWL	

	MD	N/S	E/W	VD
	8945	5.35	461.09	8699.97
TOP PERFS/OH	8950	5.51	466.09	8700.07
	8976	6.35	492.07	8700.62
	12990	37.09	4503.71	8738.94
BOT PERFS/OH	13000	37.07	4513.71	8738.95
	13021	37.04	4534.71	8738.97

NEXT TO LAST	13021	37.04	4534.71	8738.94
LAST READING	13053	36.98	4566.71	8739.02
TD	13107	36.88	4620.71	8739.16

Surface Location	1980	FS	330	FW
Projected BHL	2017	FS	4951	FW
Location of				
Top Perfs/OH	1986	FS	796	FW
Bottom Perfs/OH	2017	FS	4844	FW

SUMMARY of Subsurface Locations

Surface Location	L-08-15S-31E	1980	FS	330	FW	Vert. Depth
Top Perfs/OH	L-08-15S-31E	1986	FS	796	FW	8700.07
Bottom Perfs/OH	I-08-15S-31E	2017	FS	4844	FW	8738.95
Projected TD	I-08-15S-31E	2017	FS	4951	FW	8739.16