

Results of Directional Survey

API number:	30-025-40109		
OGRID:		Operator:	MARSHALL & WINSTON INC
		Property:	CROSSROADS 22 STATE COM # 2H

surface	ULSTR:	B	22	T 09S	R 33E
				400 FNL	1980 FEL

BH Loc	ULSTR:	O	22	T 09S	R 33E
12309	MD	8806.4	TVD	4181 FNL	1768 FEL
				1099 FSL	

Top Perf/OH	ULSTR:	B	22	T 09S	R 33E
9065	MD	8762.9	TVD	944 FNL	1953 FEL

Bot Perf/OH	ULSTR:	O	22	T 09S	R 33E
12250	MD	8803.9	TVD	4122 FNL	1772 FEL
				1158 FNL	

	MD	N/S	E/W	VD
	9052	-531.30	25.77	8761.87
TOP PERFS/OH	9065	-544.22	26.80	8762.91
	9083	-562.10	28.22	8764.36
	12223	-3695.42	206.44	8802.68
BOT PERFS/OH	12250	-3722.33	208.27	8803.85
	12255	-3727.31	208.61	8804.07

NEXT TO LAST	12223	-3695.42	206.44	8802.68
LAST READING	12255	-3727.31	208.61	8804.07
TD	12309	-3781.12	212.27	8806.42

Surface Location	400	FN	1980	FE
Projected BHL	4181	FN	1768	FE
Location of				
Top Perfs/OH	944	FN	1953	FE
Bottom Perfs/OH	4122	FN	1772	FE

SUMMARY of Subsurface Locations

Surface Location	B-22-09S-33E	400	FN	1980	FE	Vert. Depth
Top Perfs/OH	B-22-09S-33E	944	FN	1953	FE	8762.91
Bottom Perfs/OH	O-22-09S-33E	4122	FN	1772	FE	8803.85
Projected TD	O-22-09S-33E	4181	FN	1768	FE	8806.42