

Results of Directional Survey

API number:	30-025-37813		
OGRID:		Operator:	MACK ENERGY CORP
		Property:	BLACK BASS STATE # 1

surface

ULSTR:	C	24	T	16S	R	33E
		75	FNL	1650	FWL	

BH Loc

ULSTR:	C	24	T	16S	R	33E
		305	FNL	1625	FWL	

	MD	N/S	E/W	VD
	3921	-253.09	3.83	3904.57
TOP PERFS/OH	3950	-253.26	3.85	3933.57
	4021	-253.68	3.91	4004.57
	3921	-253.09	3.83	3904.57
BOT PERFS/OH	3970	-253.38	3.87	3953.57
	4021	-253.68	3.91	4004.57

NEXT TO LAST	5121	-246.80	-10.54	5104.39
LAST READING	5220	-245.00	-12.11	5203.36
TD	6035	-230.18	-25.03	6018.11

Surface Location	75	FN	1650	FW
Projected BHL	305	FN	1625	FW
Location of				
Top Perfs/OH	328	FN	1654	FW
Bottom Perfs/OH	328	FN	1654	FW

SUMMARY of Subsurface Locations

Surface Location	C-24-16S-33E	75	FN	1650	FW	Vert. Depth
Top Perfs/OH	C-24-16S-33E	328	FN	1654	FW	3933.57
Bottom Perfs/OH	C-24-16S-33E	328	FN	1654	FW	3953.57
Projected TD	C-24-16S-33E	305	FN	1625	FW	6018.11