

Results of Directional Survey

API number:	30-025-38522		
OGRID:		Operator:	MACK ENERGY CORP
		Property:	WHITE FANG STATE # 1

surface	ULSTR:	P	10	T	13S	R	32E
			990	FSL	990	FEL	

BH Loc	ULSTR:	P	10	T	13S	R	32E
			975	FSL	1323	FEL	

	MD	N/S	E/W	VD
	9300	24.22	-88.66	9299.27
TOP PERFS/OH	9364	24.25	-89.45	9363.27
	9400	24.26	-89.89	9399.27
	9400	24.26	-89.89	9399.27
BOT PERFS/OH	9443	24.25	-12.00	9442.27
	9500	24.23	91.24	9499.26

NEXT TO LAST	11600	-11.03	-268.83	11589.23
LAST READING	11618	-11.21	-272.12	11606.92
TD	11950	-14.53	-332.80	11933.20

Surface Location	990	FS	990	FE
Projected BHL	975	FS	1323	FE
Location of				
Top Perfs/OH	1014	FS	1079	FE
Bottom Perfs/OH	1014	FS	1002	FE

SUMMARY of Subsurface Locations

Surface Location	P-10-13S-32E	990	FS	990	FE	Vert. Depth
Top Perfs/OH	P-10-13S-32E	1014	FS	1079	FE	9363.27
Bottom Perfs/OH	P-10-13S-32E	1014	FS	1002	FE	9442.27
Projected TD	P-10-13S-32E	975	FS	1323	FE	11933.20