

Results of Directional Survey

API number:	30-025-39815		
OGRID:		Operator:	MACK ENERGY CORP
		Property:	KITE STATE # 1

surface	ULSTR:	L	32	T 14S	R 32E
				2310 FSL	335 FWL

BH Loc	ULSTR:	M	32	T 14S	R 32E
10826	MD	9742.5	TVD	992 FSL	374 FWL

Top Perf/OH	ULSTR:	L	32	T 14S	R 32E
10233	MD	9743.2	TVD	1585 FSL	389 FWL

Bot Perf/OH	ULSTR:	M	32	T 14S	R 32E
10651	MD	9744.7	TVD	1167 FSL	381 FWL

	MD	N/S	E/W	VD
	10217	-709.45	53.21	9742.51
TOP PERFS/OH	10233	-725.43	53.58	9743.24
	10249	-741.41	53.94	9743.97
	10628	-1120.25	46.92	9744.98
BOT PERFS/OH	10651	-1143.23	46.12	9744.71
	10660	-1152.22	45.80	9744.61

NEXT TO LAST	10692	-1184.20	44.64	9744.24
LAST READING	10723	-1215.17	43.28	9743.83
TD	10826	-1318.07	38.76	9742.47

Surface Location	2310 FS	335 FW
Projected BHL	992 FS	374 FW
Location of		
Top Perfs/OH	1585 FS	389 FW
Bottom Perfs/OH	1167 FS	381 FW

SUMMARY of Subsurface Locations

Surface Location	L-32-14S-32E	2310 FS	335 FW	Vert. Depth
Top Perfs/OH	L-32-14S-32E	1585 FS	389 FW	9743.24
Bottom Perfs/OH	M-32-14S-32E	1167 FS	381 FW	9744.71
Projected TD	M-32-14S-32E	992 FS	374 FW	9742.47