

Results of Directional Survey

API number:	30-025-39924		
OGRID:		Operator:	MACK ENERGY CORP
		Property:	GOOSE STATE # 1H

surface	ULSTR:	D	07	T 15S	R 32E
				355 FNL	330 FWL

BH Loc	ULSTR:	A	07	T 15S	R 32E
13354	MD	8993.4	TVD	330 FNL	5003 FWL

Top Perf/OH	ULSTR:	D	07	T 15S	R 32E
9286	MD	8935.0	TVD	364 FNL	939 FWL

Bot Perf/OH	ULSTR:	A	07	T 15S	R 32E
12972	MD	8983.9	TVD	333 FNL	4621 FWL

	MD	N/S	E/W	VD
	9259	-10.51	581.77	8934.26
TOP PERFS/OH	9286	-9.28	608.73	8935.03
	9291	-9.05	613.72	8935.17
	12900	20.47	4218.97	8982.00
BOT PERFS/OH	12972	21.96	4290.92	8983.86
	12995	22.43	4313.91	8984.45

NEXT TO LAST	13091	23.70	4409.88	8986.81
LAST READING	13154	24.12	4472.86	8988.39
TD	13354	25.45	4672.80	8993.41

Surface Location	355	FN	330	FW
Projected BHL	330	FN	5003	FW
Location of				
Top Perfs/OH	364	FN	939	FW
Bottom Perfs/OH	333	FN	4621	FW

SUMMARY of Subsurface Locations

Surface Location	D-07-15S-32E	355	FN	330	FW	Vert. Depth
Top Perfs/OH	D-07-15S-32E	364	FN	939	FW	8935.03
Bottom Perfs/OH	A-07-15S-32E	333	FN	4621	FW	8983.86
Projected TD	A-07-15S-32E	330	FN	5003	FW	8993.41