

Results of Directional Survey

API number:	30-005-29186		
OGRID:		Operator:	MACK ENERGY CORP
		Property:	JERRY STATE # 1H

surface	ULSTR:	I	21	T 15S	R 31E
				2285 FSL	330 FEL

BH Loc	ULSTR:	L	21	T 15S	R 31E
13256 MD		8752.5	TVD	2235 FSL	4958 FEL

Top Perf/OH	ULSTR:	I	21	T 15S	R 31E
8908 MD		8789.6	TVD	2259 FSL	620 FEL

Bot Perf/OH	ULSTR:	L	21	T 15S	R 31E
12999 MD		8753.9	TVD	2251 FSL	4042 FWL

	MD	N/S	E/W	VD
	8882	-25.00	-265.81	8779.5
TOP PERFS/OH	8908	-26.09	-289.73	8789.60
	8913	-26.30	-294.33	8791.54
	12977	-33.23	4349.73	8753.85
BOT PERFS/OH	12999	-34.39	4371.70	8753.89
	13009	-34.92	4381.68	8753.91

NEXT TO LAST	13135	-42.79	-4507.43	8753.06
LAST READING	13163	-44.45	-4535.38	8752.92
TD	13256	-49.96	-4628.21	8752.46

Surface Location	2285 FS	330 FE
Projected BHL	2235 FS	4958 FE
Location of		
Top Perfs/OH	2259 FS	620 FE
Bottom Perfs/OH	2251 FS	4042 FW

SUMMARY of Subsurface Locations

Surface Location	I-21-15S-31E	2285 FS	330 FE	Vert. Depth
Top Perfs/OH	I-21-15S-31E	2259 FS	620 FE	8789.60
Bottom Perfs/OH	L-21-15S-31E	2251 FS	4042 FW	8753.89
Projected TD	L-21-15S-31E	2235 FS	4958 FE	8752.46