

Results of Directional Survey

API number:	30-025-39015		
OGRID:		Operator:	APACHE CORP
		Property:	SOUTHLAND ROYALTY A # 28

surface	ULSTR:	H	09	T 21S	R 37E
			2060	FNL	330 FEL

BH Loc	ULSTR:	H	09	T 21S	R 37E
			2253	FNL	382 FEL

Top Perf/OH	ULSTR:	H	09	T 21S	R 37E
		3888	2260	FNL	382 FEL

Bot Perf/OH	ULSTR:	H	09	T 21S	R 37E
		4031	2258	FNL	383 FEL

	MD	N/S	E/W	VD
	3876	-200.58	-52.46	3858.52
TOP PERFS/OH	3888	-200.40	-52.48	3870.52
	4066	-197.77	-52.76	4048.50
	3876	-200.58	-52.46	3858.52
BOT PERFS/OH	4031	-198.29	-52.70	4013.50
	4066	-197.77	-52.76	4048.50

NEXT TO LAST	4267	-194.96	-52.64	4249.48
LAST READING	4346	-193.94	-52.11	4328.47
TD	4400	-193.24	-51.75	4382.46

Surface Location	2060	FN	330	FE
Projected BHL	2253	FN	382	FE
Location of				
Top Perfs/OH	2260	FN	382	FE
Bottom Perfs/OH	2258	FN	383	FE

SUMMARY of Subsurface Locations

Surface Location	H-09-21S-37E	2060	FN	330	FE	Vert. Depth
Top Perfs/OH	H-09-21S-37E	2260	FN	382	FE	3870.52
Bottom Perfs/OH	H-09-21S-37E	2258	FN	383	FE	4013.50
Projected TD	H-09-21S-37E	2253	FN	382	FE	4382.46