

Results of Directional Survey

API number:	30-025-39700		
OGRID:		Operator:	APACHE CORP
		Property:	SOUTHLAND ROYALTY <i>A</i> # 34

surface	ULSTR:	N	04	T	21S	R	37E
			940	FSL	2070	FWL	

BH Loc	ULSTR:	N	04	T	21S	R	37E
			931	FSL	2270	FWL	

Top Perf/OH	ULSTR:	N	04	T	21S	R	37E
			3869		936	FSL	2270
						FWL	

Bot Perf/OH	ULSTR:	N	04	T	21S	R	37E
			4021		934	FSL	2270
						FWL	

	MD	N/S	E/W	VD
	3797	-3.60	199.60	3781
TOP PERFS/OH	3869	-4.37	199.68	3853.00
	3890	-4.60	199.70	3874.00
	3985	-5.50	199.90	3969.00
BOT PERFS/OH	4021	-5.69	199.94	4005.00
	4080	-6.00	200.00	4064.00

NEXT TO LAST	4271	-7.60	200.10	4255.00
LAST READING	4380	-8.10	200.00	4364.00
TD	4426	-8.31	199.96	4410.00

Surface Location	940	FS	2070	FW
Projected BHL	932	FS	2270	FW
Location of				
Top Perfs/OH	936	FS	2270	FW
Bottom Perfs/OH	934	FS	2270	FW

SUMMARY of Subsurface Locations

Surface Location	N-04-21S-37E	940	FS	2070	FW	Vert. Depth
Top Perfs/OH	N-04-21S-37E	936	FS	2270	FW	3853.00
Bottom Perfs/OH	N-04-21S-37E	934	FS	2270	FW	4005.00
Projected TD	N-04-21S-37E	932	FS	2270	FW	4410.00