

Results of Directional Survey

API number:	30-025-39557		
OGRID:		Operator:	APACHE CORP
		Property:	ARGO # 13

surface	ULSTR:	M	15	T 21S	R 37E
			990 FSL	1100 FWL	

BH Loc	ULSTR:	M	15	T 21S	R 37E
			969 FSL	954 FWL	

Top Perf/OH	ULSTR:	M	15	T 21S	R 37E
	3836		962 FSL	964 FWL	

Bot Perf/OH	ULSTR:	M	15	T 21S	R 37E
	3948		962 FSL	961 FWL	

	MD	N/S	E/W	VD
	3779	-27.67	-135.40	3770.82
TOP PERFS/OH	3836	-27.87	-136.48	3827.80
	3843	-27.89	-136.61	3834.80
	3906	-28.15	-137.90	3897.79
BOT PERFS/OH	3948	-28.35	-138.75	3939.78
	3970	-28.46	-139.19	3961.78

NEXT TO LAST	4288	-24.12	-144.40	4279.68
LAST READING	4348	-22.62	-145.10	4339.66
TD	4409	-21.10	-145.81	4400.64

Surface Location	990	FS	1100	FW
Projected BHL	969	FS	954	FW
Location of				
Top Perfs/OH	962	FS	964	FW
Bottom Perfs/OH	962	FS	961	FW

SUMMARY of Subsurface Locations

Surface Location	M-15-21S-37E	990	FS	1100	FW	Vert. Depth
Top Perfs/OH	M-15-21S-37E	962	FS	964	FW	3827.80
Bottom Perfs/OH	M-15-21S-37E	962	FS	961	FW	3939.78
Projected TD	M-15-21S-37E	969	FS	954	FW	4400.64