

Results of Directional Survey

API number:	30-025-39071		
OGRID:		Operator:	APACHE CORP
		Property:	NORTH MONUMENT G/SA UNIT # 379

surface	ULSTR:	P	32	T	19S	R	37E
			1085	FSL	1246	FEL	

BH Loc	ULSTR:	P	32	T	19S	R	37E
			1258	FSL	1274	FEL	

Top Perf/OH	ULSTR:	P	32	T	19S	R	37E
			3826		1259	FSL	1272 FEL

Bot Perf/OH	ULSTR:	P	32	T	19S	R	37E
			3964		1258	FSL	1273 FEL

	MD	N/S	E/W	VD
	3782	174.10	-25.00	3770.6
TOP PERFS/OH	3826	173.87	-25.55	3814.60
	3878	173.60	-26.20	3866.60
	3878	173.60	-26.20	3866.60
BOT PERFS/OH	3964	173.13	-27.38	3952.60
	3951	173.20	-27.20	3939.60

NEXT TO LAST	3878	173.60	-26.20	3866.60
LAST READING	3951	173.20	-27.20	3939.60
TD	4005	172.90	-27.94	3993.60

Surface Location	1085	FS	1246	FE
Projected BHL	1258	FS	1274	FE
Location of				
Top Perfs/OH	1259	FS	1272	FE
Bottom Perfs/OH	1258	FS	1273	FE

SUMMARY of Subsurface Locations

Surface Location	P-32-19S-37E	1085	FS	1246	FE	Vert. Depth
Top Perfs/OH	P-32-19S-37E	1259	FS	1272	FE	3814.60
Bottom Perfs/OH	P-32-19S-37E	1258	FS	1273	FE	3952.60
Projected TD	P-32-19S-37E	1258	FS	1274	FE	3993.60