

Results of Directional Survey

API number:	30-025-39072		
OGRID:		Operator:	APACHE CORP
		Property:	NORTH MONUMENT G/SA UNIT # 380

surface

ULSTR:	B	30	T	19S	R	37E
		189	FNL	2443	FEL	

BH Loc

ULSTR:	B	30	T	19S	R	37E
		39	FNL	2655	FEL	

Top Perf/OH

ULSTR:	B	30	T	19S	R	37E
	3690	41	FNL	2654	FEL	

Bot Perf/OH

ULSTR:	B	30	T	19S	R	37E
	4015	39	FNL	2654	FEL	

	MD	N/S	E/W	VD
	3689	148.30	-210.60	3666.2
TOP PERFS/OH	3690	148.30	-210.61	3667.20
	3785	148.60	-211.10	3762.20
	3975	149.90	-211.20	3952.20
BOT PERFS/OH	4015	150.03	-211.46	3992.20
	4069	150.20	-211.80	4046.20

NEXT TO LAST	3975	149.90	-211.20	3952.20
LAST READING	4069	150.20	-211.80	4046.20
TD	4125	150.38	-212.16	4102.20

Surface Location	189	FN	2443	FE
Projected BHL	39	FN	2655	FE
Location of				
Top Perfs/OH	41	FN	2654	FE
Bottom Perfs/OH	39	FN	2654	FE

SUMMARY of Subsurface Locations

Surface Location	B-30-19S-37E	189	FN	2443	FE	Vert. Depth
Top Perfs/OH	B-30-19S-37E	41	FN	2654	FE	3667.20
Bottom Perfs/OH	B-30-19S-37E	39	FN	2654	FE	3992.20
Projected TD	B-30-19S-37E	39	FN	2655	FE	4102.20