

Results of Directional Survey

API number:	30-025-39605		
OGRID:		Operator:	APACHE CORP
		Property:	STATE LAND 15 # 18

surface	ULSTR:	O	16	T 21S	R 37E
			660	FSL	1650 FEL

BH Loc	ULSTR:	O	16	T 21S	R 37E
			388	FSL	1710 FEL

Top Perf/OH	ULSTR:	O	16	T 21S	R 37E
		3767	390	FSL	1706 FEL

Bot Perf/OH	ULSTR:	O	16	T 21S	R 37E
		3997	389	FSL	1708 FEL

	MD	N/S	E/W	VD
	3754	-270.30	-55.90	3732.3
TOP PERFS/OH	3767	-270.35	-56.02	3745.30
	3850	-270.70	-56.80	3828.30
	3945	-271.20	-57.80	3923.30
BOT PERFS/OH	3997	-271.31	-58.29	3975.30
	4040	-271.40	-58.70	4018.30

NEXT TO LAST	4231	-271.90	-60.00	4209.30
LAST READING	4349	-272.00	-60.10	4327.30
TD	4404	-272.05	-60.15	4382.30

Surface Location	660	FS	1650	FE
Projected BHL	388	FS	1710	FE
Location of				
Top Perfs/OH	390	FS	1706	FE
Bottom Perfs/OH	389	FS	1708	FE

SUMMARY of Subsurface Locations

Surface Location	O-16-21S-37E	660	FS	1650	FE	Vert. Depth
Top Perfs/OH	O-16-21S-37E	390	FS	1706	FE	3745.30
Bottom Perfs/OH	O-16-21S-37E	389	FS	1708	FE	3975.30
Projected TD	O-16-21S-37E	388	FS	1710	FE	4382.30