

Results of Directional Survey

API number:	30-025-37454		
OGRID:		Operator:	YATES PETROLEUM CORP
		Property:	NEW GRASS STATE UNIT # 3

surface	ULSTR:	P	15	T	15S	R	34E
			660	FSL	660	FEL	

BH Loc	ULSTR:	P	15	T	15S	R	34E
			665	FSL	699	FEL	

	MD	N/S	E/W	VD
	13438	6.02	-7.58	13401.08
TOP PERFS/OH	13438	6.02	-7.58	13401.08
	13502	5.32	-25.92	13462.39
	13438	6.02	-7.58	13401.08
BOT PERFS/OH	13472	5.65	-17.32	13433.65
	13502	5.32	-25.92	13462.39

NEXT TO LAST	13502	5.32	-25.92	13462.39
LAST READING	13549	4.89	-39.20	13507.48
TD	13549	4.89	-39.20	13507.48

Surface Location	660	FS	660	FE
Projected BHL	665	FS	699	FE
Location of				
Top Perfs/OH	666	FS	668	FE
Bottom Perfs/OH	666	FS	677	FE

SUMMARY of Subsurface Locations

Surface Location	P-15-15S-34E	660	FS	660	FE	Vert. Depth
Top Perfs/OH	P-15-15S-34E	666	FS	668	FE	13401.08
Bottom Perfs/OH	P-15-15S-34E	666	FS	677	FE	13433.65
Projected TD	P-15-15S-34E	665	FS	699	FE	13507.48