

Results of Directional Survey

API number:	30-025-38193		
OGRID:		Operator:	POGO PRODUCING CO
		Property:	IRON HORSE STATE # 1

surface	ULSTR:	O	21	T	18S	R	35E
			660	FSL	1830	FEL	

BH Loc	ULSTR:	B	21	T	18S	R	35E
			4611	FSL	1777	FEL	

	MD	N/S	E/W	VD
	4776	509.44	24.15	4461.47
TOP PERFS/OH	4777	510.44	24.15	4461.49
	4839	572.42	23.97	4462.67
	8023	3754.18	48.20	4415.71
BOT PERFS/OH	8077	3808.10	49.58	4413.19
	8087	3818.09	49.84	4412.72

NEXT TO LAST	8162	3892.95	51.71	4408.69
LAST READING	8220	3950.84	52.97	4405.26
TD	8220	3950.84	52.97	4405.26

Surface Location	660	FS	1830	FE
Projected BHL	4611	FS	1777	FE
Location of				
Top Perfs/OH	1170	FS	1806	FE
Bottom Perfs/OH	4468	FS	1780	FE

SUMMARY of Subsurface Locations

Surface Location	O-21-18S-35E	660	FS	1830	FE	Vert. Depth
Top Perfs/OH	O-21-18S-35E	1170	FS	1806	FE	4461.49
Bottom Perfs/OH	B-21-18S-35E	4468	FS	1780	FE	4413.19
Projected TD	B-21-18S-35E	4611	FS	1777	FE	4405.26