

Results of Directional Survey

DD

API number:	30-041-20943		
OGRID:		Operator:	ARMSTRONG ENERGY CORP
		Property:	MUSTANG SALLY # 1

surface	ULSTR:	N	19	T	05S	R	34E
				461	FSL	2085	FWL

BH Loc	ULSTR:	N	19	T	05S	R	34E
8250	MD	8248.0	TVD	521	FSL	2114	FWL

Top Perf/OH	ULSTR:	N	19	T	05S	R	34E
8004	MD	8002.0	TVD	525	FSL	2116	FWL

Bot Perf/OH	ULSTR:	N	19	T	05S	R	34E
8006	MD	8004.0	TVD	525	FSL	2116	FWL

	MD	N/S	E/W	VD
	7976	64.79	31.56	7974
TOP PERFS/OH	8004	64.20	31.33	8002.00
	8071	62.80	30.78	8069.00
	7976	64.79	31.56	7974.00
BOT PERFS/OH	8006	64.16	31.31	8004.00
	8071	62.80	30.78	8069.00

NEXT TO LAST	8165	61.36	29.69	8162.98
LAST READING	8202	60.90	29.19	8199.97
TD	8250	60.30	28.54	8247.96

Surface Location	461	FS	2085	FW
Projected BHL	521	FS	2114	FW
Location of				
Top Perfs/OH	525	FS	2116	FW
Bottom Perfs/OH	525	FS	2116	FW

SUMMARY of Subsurface Locations

Surface Location	N-19-05S-34E	461	FS	2085	FW	Vert. Depth
Top Perfs/OH	N-19-05S-34E	525	FS	2116	FW	8002.00
Bottom Perfs/OH	N-19-05S-34E	525	FS	2116	FW	8004.00
Projected TD	N-19-05S-34E	521	FS	2114	FW	8247.96

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