

Results of Directional Survey

30-025-34611

HOME-STAKE OIL & GAS CO
SARAH JOHNSTON # 2

	MD	N/S	E/W	VD
	6314	-65.40	-41.44	6294.19
TOP PERFS/OH	6350	-71.48	-48.05	6329.05
	6409	-81.45	-58.89	6386.19
	6471	-91.77	-70.27	6446.25
BOT PERFS/OH	6493	-95.36	-74.28	6467.58
	6566	-107.27	-87.57	6538.37

NEXT TO LAST	7325	-229.37	-220.50	7275.49
LAST READING	7375	-236.72	-227.97	7324.38
TD	7375	-236.72	-227.97	7324.38

Surface Location	1600	FS	2288	FE
Projected BHL	1363	FS	2516	FE
Location of				
Top Perfs/OH	1529	FS	2336	FE
Bottom Perfs/OH	1505	FS	2362	FE

SUMMARY of Subsurface Locations

Surface Location	J-22-22S-37E	1600	FS	2288	FE	Vert. Depth
Top Perfs/OH	J-22-22S-37E	1529	FS	2336	FE	6329.05
Bottom Perfs/OH	J-22-22S-37E	1505	FS	2362	FE	6467.58
Projected TD	J-22-22S-37E	1363	FS	2516	FE	7324.38