HOME-STAKE OIL & GAS COMPANY



Mozingo #1 Non-Standard Location Application

Surface Location: 365' FNL & 1593' FEL Approximate Bottom Hole Location: 150' FNL & 1470' FEL (215' north & 37' east of surface location)

OIL IN PLACE & OIL RECOVERY CALCULATIONS

Based on data from HSOG #2: UL 'P' Section 22 - T22S - R37E

Specific gravity, Oil: Specific gravity, Gas: Gas Oil Ratio:	0.882	from crude analysis on HSOG #2 dated 11/9/99 from gas analysis on HSOG #2 dated 11/9/99 average GOR, HSOG #2
Temp, Reservoir: Temp, Separator: Pressure, Reservoir: Pressure, Separator:	70 deg 2560 psia	from HSOG #2 logs and S. Johnston #1 BHP test actual operating conditions from 72-hr Build-up test on HSOG #2 on 10/11/98 actual operating conditions
Average Porosity: Water Saturation: Net Pay:		Weighted average porosity from 7022-7146', HSOG #2 Estimated Fusselman interval from 7022-7146', HSOG #2

Drainage Area	Estimated Oil In Place	Percent <u>Recovery</u>	Recoverable Oil
Section 22 - 20 acres	850,500 bbls	20%	170,000 bbls
Section 27 - 10 acres	425,200 bbls	20%	85,000 bbls
Total	1,275,700 bbls		255,000 bbls

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