



## 粘弹性流体法向应力对抽油杆偏磨的影响机理

韩洪升<sup>1</sup>, 王德民<sup>2</sup>, 国丽萍<sup>1</sup>, 韩雪松<sup>3</sup>

1. 大庆石油学院石油工程学院, 黑龙江, 大庆, 163318;

2. 大庆油田有限责任公司, 黑龙江, 大庆, 163000;

3. 大庆油田第三采油厂, 黑龙江, 大庆, 163113

Partial abrasion mechanism of sucker rod caused by normal stress of visco-elastic fluid

HAN Hong-sheng<sup>1</sup>, WANG De-min<sup>2</sup>, GUO Li-ping<sup>1</sup>, HAN Xue-song<sup>3</sup>

1 Department of Petroleum Engineering, Daqing Petroleum Institute, Daqing 163318, China;

2. Daqing Oil Field Corporation, Ltd., Daqing 163453, China;

3. Third Oil Recovery Plant, Daqing Oil Field Corporation, Ltd., Daqing 163113, China

[摘要](#)

[图/表](#)

[参考文献](#)

[相关文章 \(15\)](#)