

屏蔽暂堵剂

产品名称	屏蔽暂堵剂
公司名称	河南省铭泰化工有限公司
价格	8800.00/吨
规格参数	
公司地址	河南省濮阳市台前县铭泰工业区
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产品详情

石油钻井和开发中，从钻开油气层到完井、固井、射孔、酸化、修正、压井、洗井、等各个环节，由于液体和固体的颗粒的浸入都不同程度的对油气层造成损害和污染。屏蔽暂堵技术是避免各种入井流体浸入油气层的重要措施之一，保护油气层效果明显。TBD系列屏蔽暂堵剂，是以重质不饱和烃树脂为主要原料，经特殊的合成和加工工艺制成的油层保护剂新产品。具有油溶性好、暂堵率高、封堵强度大、解堵率高、适用性广、成本低廉、施工简单等优点，可适用于钻井液、完井液、修井液、压井液、洗井液等多种入井液体的暂堵，防止入井流体浸入，保护油气层。该产品是在我公司承担的国家"九五"攻关计划项目——重质不饱和烃聚合物暂堵剂在油田中的应用基础上研制开发的，项目产品填补国内油溶性暂堵剂的产品空白，达到国外产品同期水平。

一、基本原理 以重质不饱和烃树脂，油溶性聚合物、表面活性剂等为主要原料的TBD系列屏蔽暂堵剂，含有架桥粒子、充填粒子及变形粒子，具有不同粒度级配的TBD水基悬浮液，可在地层孔喉处吸架桥、充填形成一条渗透率相对较低且具有一定强度的暂堵带，阻止入井流体进入油气层，开井生产时可被原油逐渐溶解、分散，从而达到暂堵、防漏和保护油气层的目的。

二、主要技术指标

- 1、油溶率 95%
- 2、暂堵率 95%
- 3、解堵率 90%
- 4、使用地层温度40-120 °C;
- 5、使用地层渗透率0.01-15 μm^2 ;

三、使用方法

- 1、TBD-I型（液剂）：用油井作业入井流体的暂堵保护剂。将其配成2-3%（加水稀释10倍）的水基悬浮液，充分搅拌均匀，可在作业前单独注入地层实施暂堵保护，也可在入井流体中加入实施暂堵保护，待压力稳定后，再进行后续修井作业，每米地层用量3-10方；用作酸化转向剂时，先将其用水稀释成3-5%的水基悬浮液，用泵压注入底层，然后再进行酸化，每米地层用量3-5方。
- 2、TBD-II型（粉剂）：用作钻井液暂堵保护剂，可在打开油气层后，直接加入到钻井液完井液中，加量为2-3%。用作采油作业入井流体暂堵和酸化暂堵时，需预先配置0.3%的聚丙烯酰胺水溶液，然后加入2-3%的TBD-II粉剂，充分搅拌均匀后使用，每米地层用量3-10方

In oil drilling and development, oil and gas from drilling to completion, cementing, perforation, acidification, correction, killing, washing, and other links, as the liquid and solid particles in different degree of reservoir damage and pollution. Shielding temporary plugging technique is to avoid a variety of well fluid into the reservoir is one of important measures, reservoir protection effect is obvious. TBD series of shielding and temporary blocking agent, is a heavy unsaturated hydrocarbon resin as the main raw material, after special synthesis and processing technology of reservoir protection agent of new products made from. Oil soluble temporary plugging with good, high rate, sealing strength, blocking rate is high, wide applicability, low cost, simple construction and other advantages, can be used for drilling fluid, completion fluid, workover fluid, killing fluid, flushing fluid into the well liquid and other temporary plugging, preventing the drilling fluids immersion, reservoir protection. The product is in my company of the state" Nine Five" project -- heavy unsaturated hydrocarbon polymer

plugging agent in oil field based on the application of research and development, project products to fill the domestic oil soluble temporary plugging agent products blank, reached the same level of foreign products. One, basic principle Heavy unsaturated hydrocarbon resin, oil soluble polymer, surface active agent as the main raw materials such as TBD series of shielding temporary plugging agent, with bridging particles, filling particles and deformation of particles with different particle size distribution, the TBD water-based suspensions, can be adsorbed in formation pore throat bridging office, filling and form a relatively low penetration rate and with a certain strength plugging band, stop into the well fluid into the reservoir, well production of crude oil can be gradually dissolved, dispersed, so as to achieve temporary plugging, sealing and reservoir protection purposes. In two, the main technical indicators In 1, oil solution ratio > 95% In 2, temporary plugging rate > 95% In 3, the plugging removal rate is greater than or equal to 90% 4, the use of 40-120 C formation temperature; 5, the use of 0.01-15 / square meters of permeability; Three, the use of methods In 1, TBD-1 (liquid): used in oil well operation into the well fluid and temporary plugging agent. The match 2-3% (diluted with water 10 times) aqueous suspensions, fully mixing evenly, can be injected into the formation before operation to separate implementation of temporary blocking protection, can also be found in the well fluid is added in the implementation of temporary blocking protection, the pressure to be stable, and then follow-up workover, each meter formation was 3-10; as the acidified diverting agent, first be diluted into 3-5% water-based suspensions with a pump pressure injection, bottom, then acidification, dosage of 3-5 per meter formation. In 2, TBD-II (powder): used in drilling fluid plugging agent, an open reservoir, directly added to the drilling fluid and completion fluid, plus the amount of 2-3%. As oil production well fluid and temporary plugging and acidizing plugging, need of configuring 0.3% polyacrylamide aqueous solution, and then joined the 2-3% TBD-II powder, stirring, dosage of 3-10 per meter formation

企业信息

河南省铭泰化工有限公司地处豫东北中原油田，位于山东与河南两省交界处，北临《水浒传》武松打虎之处 阳谷县，南临黄河，是当年刘邓大军南下度黄河之要道，贯通南北的京九铁路与在建的聊商高速为交通带来了便利。现拥有员工180余人，其中科技人员7名，管理人员11名，设驻外办事处5个，固定资产总投资2800万元。本公司设备先进，技术力量雄厚，主要产品有聚丙烯酰胺、聚丙烯酸钾、羧甲基纤维素钠、两性离子聚合物、乙烯基单体多元共聚物、广谱护壁剂，腐殖酸钾，抗高温抗盐增粘降失水剂，水解聚丙烯腈钾盐，铁铬木质素磺酸盐，植物胶，801随钻堵漏剂，单向压力封闭剂，阳离子聚丙烯酰胺，丙烯酰胺丙烯酸钠共聚物，低荧光防塌剂，磺化酚醛树脂、磺化沥青粉、磺化褐煤、无荧光防塌剂、防塌润滑剂、解卡剂，各种增粘剂，降粘剂，乳化剂，润滑剂，页岩抑制剂等各类化学剂，广泛应用于油田、采矿、造纸、纺织、污水处理等行业，年产值达3500万元，产品远销天津、江苏、安徽、陕西、内蒙古、新疆等地。质量就是生命，近20年来，公司始终坚持“以信誉为宗旨，以质量求发展”的经营理念，始终把质量放在第一位，高薪聘请研究生作为高科技技术攻关人员，积极组织参加各种技术交流活动，努力提高技术水平和产品质量，不断加强企业内部管理，坚持直接供货原则，确保向各用户供给合格产品。与各大油田长期保持着良好的供求业务往来关系。诚信为本，以信誉为宗旨，公司旨在通过真诚的合作与客户建立诚实守信的供求关系，充分利用现代化工具降低销售成本，缩减销售程序，给广大客户最优惠的价格，以高信誉赢得高回报。以创新求发展，以诚信赢市场，不断加大科技投入力度，扩大经营领域。“飞跃无限，诚达四海”，我公司始终坚持良好的企业形象和信誉，以一流的工作质量，竭诚为广大客户提供优质、高效的服务。 Henan MingTai chemical Co., LTD. Is located in northeast zhongyuan oilfield, and located in shandong province and henan provinces junction, north near the original novel wu3 song dozen tiger place - yanggu county, south near the Yellow River, is that year, liu DengDaJun south degrees north and south of the arteries and transfixion sideses jingjiu railway construction chat with high-speed traders convenient to have brought for traffic. Now has a staff of 180 people, including technical personnel 7, management personnel 11, set outside agency 5, fixed assets total investment 28,000, 000 yuan. The company equipment is advanced, technical force is abundant, the main products are PAM, polyacrylic acid potassium, sodium carboxy methyl cellulose, zwitterion polymers, vinyl monomer multivariate copolymer, broad-spectrum slurry-supported agent, humic acid potassium, high temperature resisting salt resistant viscosify drop water loss, hydrolyzed polyacrylonitrile potassium, iron chromium lignin sulfonates, plants, 801 glue the plugging agents with drilling, theunidirectional pressure agent, cationic polyacrylamide, acrylamide acrylic acid sodium copolymer, low fluorescence prevent collapse agent, phenolic resin, preparing sulphonated sulphonated lignite, asphalt powder,

preparing sulphonated without fluorescence prevent collapse collapse agent, prevent sticking-releasing agent, lubricant, various viscous agent, drop adhesive, emulsifier, lubricant, shale of various chemical agents such as tilting preparations, widely used in oil field, mining, paper making, textile, sewage treatment and other industries, the annual production reaches 35 million yuan, products are exported to tianjin, jiangsu, anhui, shaanxi, Inner Mongolia, xinjiang, etc. Quality is life, nearly 20 years, the company always adhere to the "credibility for the purpose, to the quality strives for the development" business philosophy, always put quality first, well-paid graduate students as a high-tech technology research personnel, actively organize attend various technical exchanges, and strive to improve the technical level and product quality, continuously strengthening internal management, adhere to the principle of goods directly to each user to ensure supply of qualified products. And each big oilfield long-term keeps good relationship of supply and demand. The good faith for this, to the prestige for the purpose, the company aims to sincere cooperation