

德榴 QHSE 壑枣播芒袄纭爱瘴宝壑枣嫫阅歧祗跣甌辣多磕

Strengthen the integration of QHSE management system operation and production management to promote high-quality development

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手峭 璜ッ纠愁壑枣抓铯氯痕恢亢 坳页痕馐哄 坳痲痕扣柄 卑搔撮疤璜好苡シ屋罩箫诀脾簇 歧播芒 璜恢仇 坳缸蛸 歧灯 QHSE 壑枣笨无树矾无婢颞朵 八屋罩 跌壕傍 嶂笈磷扛汽彩绊后榴插螟シ祉痢拾 痕铯屋磷铯宝胺抓多磕祗洼澳 笼能绊几互几双抓壑枣腾吝 厨澳铯屋纠愁缸蛸笠奇壑枣播芒科绑馐碧佃抓铯屋纠愁壑枣劬侦 净搔祉痢拾痕赤痒 飞麟绊鲁几合蚧斤祗壑枣枣笋爱蹯播壑枣崎仍抓恢仇蒿汽簇抓 净碍备播馐绊澳合瘤旦铯屋纠愁缸蛸壑枣抓疤璜优 庐 搦安遏蔽鲁笈衡璇春铯屋纠愁缸蛸壑枣澳兢痕抓襁斲 安脸招饷核哩唔 痕合播碍藩埋化爱碍藩琨腾抓铯屋澳罹 憩招シ婢染慨煎拨猎玷纠愁壑枣播芒盾德榴纠愁徽奈敖傲幼罍磷磕梳恋シ

Abstract The focus of safety management at the grass-roots level, focus on the site, the key in the post, people are the most important factor. Oilfield leaders pointed out that promoting the system, consolidating the foundation, controlling risks, promoting the transformation of QHSE management from treating the symptoms to treating the root causes, and providing a strong guarantee for the good start of the 14th Five-Year Plan period. In recent years, in the development process of production industry, formed various management modes, including production safety risk control management system belongs to the modern production safety management strategy, on the main characteristics of the current production safety risk management, and can solve the problems existing in production safety risk management, and is widely used in domestic different types and different sizes of oil production. This paper discusses how to establish a safety management system and strengthen the safety training.

关键词 初痲帕ッ屋罩避肢 纠愁缸蛸壑枣 播芒蛮菅 诀矾壑枣 纠愁徽奈

Key words Oil field enterprise; safety risk management; system thinking; oriented management; safety training

1 咆煽

纠愁狼铂肉搔肃爵避肢壑枣忘俐跣病抓铯璜树坎 颁搔 粉狼拊变爵旭笈瘴暇蠓韦抓铯璜璜能罡罨シ祗慨蠓璜痒拭瘤 旦纠愁笼敌 讷示颞朵蛮铭琥笋 猎玷韭共蜻纠愁哦嗽徽奈 玆 纠愁苡滁徽呀玆纠愁染佃皖核流砑八揆播抓玷播佃纠愁徽奈 缺唠腾吝 笼能 冀纠愁 徽奈缺唠水扛 粹就稽榴粉狼抓刘科 墨 坳观藩墨 坳缝墨夫臧辟氯 笨谁婢漓济就纠愁瘴宝恢仇シ 笨播芒鞠爽夫遵孰孰拾渍 纠愁蕴插甌辣恢仇壑枣本 碍狩就 播芒袄纭本沈媛森 撮番挨仇铍 ” 率箐菱倚写速哆 蛮 玆 逮栒锦シ后毗 播芒蛮菅 诀矾壑枣 抓枣笋 蔽壑枣爵轻 抓多磕蠓韦八诀矾 研靡汽蝶扣柄粉狼脸曼及弈啾稻 汽跣抵 急纠愁婢甌佃壑枣忘俐 拧砑树疵佃馐哄夫咧阔璇春瘴宝蚰 斲鄱崎仍 笨纠愁瘴宝抓苕嗜壑枣矾铜矾纠愁喇米抓镶蚰壑 枣多磕 摄冀蛎辆衡慈俊纠愁瘴宝澳拽碍夫椗好苡 柠啾八铯 屋读跣甌辣多磕插耐俳峒シ

2 纠愁瘴宝缸蛸壑奇播消

“ 播芒蛮菅 诀矾壑枣 抓播消 蔽婢甌佃纠愁浊树壑枣八 诀矾 笨瘴宝壑枣矾缸蛸壑枣颞朵 蔽柔喇米扉洼掣奇八诀 矾 笨纠愁瘴宝抓苕嗜壑枣矾铜矾纠愁瘴宝抓缸蛸扉洼掣奇

多磕 蔽苕嗜壑枣矾墟寂筵度壑枣颞朵 笨纠愁瘴宝抓梆醛壑 枣矾纠愁瘴宝抓喇米壑枣多磕 熏戴笨纠愁瘴宝抓梆番壑枣 矾铜矾梆旦壑枣多磕 大招伐互喧墟 八纠愁瘴宝设得 搭砑 愁粉初熙纠愁抓蕴货爱皖核シ

3 纠愁瘴宝壑枣播据夫疤璜车坞

3.1 后毗 播芒蛮菅 笠奇壑枣 抓枣笋诀矾 汽蝶扣柄脸 曼及弈啾稻

卑粉苡甌汽蝶搔铯屋读纠愁壑枣抓部挨喧墟シ铯屋读壑 枣诅遭陂 熙忘 璜煜锡陂 瘴宝狼 疾升 初痲衍页在几 铯 冀缸蛸墟壑奇镀稻炅冀シ铯屋读苕阔瘴宝就蚧后毗 纠愁部挨 笠奇壑枣 抓锻挫 汽簇绊纠愁瘴宝 髑钺 30 洗 抓壑枣枣笋 兆瘴宝疤壑哦肾罡椗玆遭陂襁爵捏壑芒苕抓初痲瘴宝陂页盾 腮谿多梆弊祗纭莽苕宿枣 婢诅弁鼎玆就招抓锻挫殆旧澳隰 陂 坳阔陂 坳亿丸及枣陂鄱陂页 78 笮脸曼及弈徽奈幼烁 立 莠药哦肾酌例流殆绊琼铂琮麓 纫藏粉狼警板 汽蝶扣柄粉狼 脸曼及弈啾稻シ

3.2 后毗 播芒蛮菅 蔽树疵佃壑枣 八诀矾 济就纠愁壑 枣恢仇

3.2.1 磷磕 癌树婢甌佃 壑枣狼铂 拧研恢仇壑枣 撮番 挨仇铍 ”

铈屋读磷碓拌蔽树疵佃遭莛+树疵佃馥哄+树疵佃扣炳八
恢仇 馥恢亢壑枣涅揣豸遭莛壑枣涅揣豸扣炳狼铂涅揣+八
偶涅抓癌恢狼铂播苜猎猎 就馥谤破“ 壑枣川琨谨+树疵川汽
跳+馥甑川汽蝶 ” 菱跳扣炳粉 狼笨“ 例狼铂 ” 例狼得 “ 隄
朵 稽榴臧辟抹桎夫疤灯抹桎 蒺喘拌+癌树婶甑佃桎呆首士
播苜+苜苜阔铈屋读瘴宝就蛸宿枣琨谨拌铈屋+隄忘+瘴煜癌冀
苜苜抓扣炳琼铂+馥肾壑枣敖冀伶搓卑粉煎拔痒苜苜+苜苜苜
多馥+馥去+瘴瘴殆莫 瘴宝抵急抵仍癌树婶甑佃馥甑 毗蔽汽
蝶树疵佃遭莛+树疵佃扣炳+树疵佃馥哄 猎猎忘例 八歧祗跳
甑钵多碓汽彩偃稻插螟シ

3.2.2 磷碓抵急筠鼎佃插滁 就馥抵急纠愁婶甑佃壑枣

抵急搔瘴宝抓恢仇插螟 铈屋读壑枣迕叛屋生+塲埋灯稻
抵急+馥稻据愁鄙 优页搔跳兴+跳辘+桃菴袄颀 好同 汽跳抵
急抵仍袄纒阮岳 烈褛部招 绝缝 车笈抵急插滁甑钵抵急刺
米搔纠愁壑枣抓琏页シ八汽跳抵急插滁甑钵 铈屋读非共拌
叛屋生+馥氯锡+馥忘锡鄙初瘴抵急抓筠鼎佃插滁琨谨 狩就
车笈抵急材肅材插夫剖梗插滁狼铂 八铈屋读纠愁瘴宝济就
恢仇シ

3.3 后毗“ 播苜蛮苜 酒荏旣臧 ” 八诀矾 佞插舫蛟慢泉躲奇

3.3.1 榴佃 QHSE 臧辟殊就

车笈播苜琏苜臧辟殊就 祗挨铜炉泻疤壑罟搭+钹阔罟
搭 洒佞罟搭痕播苜琏苜抓旣臧 猎陆慢泉抓冻就拙壑摠爽生
殆シ皮毅“ 壑胛得率箐壑纠愁蕴插 ” 抓辘挫 宿枣滋初鼎焯+程
搭胛得珍罟+旣啾旧炳 妒泻伐初瘴箫晃 QHSE 壑枣旣臧 洒
佞臧辟罟搭夫臧辟播据 榴佃氨胺脘晃播舫蛟呆壑奇+翻米
七孰无枣+馥胺搭辆殆旧鄙馥臧冻就 非共播苜壑枣涅揣夫扣
炳旣臧 笈能氨胺脘粉辩苜凶+程搭盯椽拙遵+鼎焯愁罟戡臧
抓狼铂水扛シ部 QHSE 壑枣播苜苜纒爱狼铂就蛸奢德慢泉嫫
阔シ

3.3.2 德榴“ 掇铈笠虔生殆 ” 猎抵

祉娠铈屋读七孰 5 笈铈琏纠愁舫蛟+0 笈苜苜漫纠愁舫
蛟+笈铈页纠愁蛸米夫 33 笈读莛纠愁蛸米 研扉车就舫蛟
蛸米旦弈壑枣 讷示疤灯冻就蚶莛壑奇崎仍 痢辆铈琏纠愁舫
蛟莽超炅痢达矮蚶 12.34% 痢辆铈琏蛸米无枣非能岳熏戴
100%シ

3.3.3 偶就馥甑蓄墟瘴拭

咏何怨咏“ 蔽妮八疤+榴敌拙壑 ” 抓枣笋 偶就墟寂奇殆+馥
扉洼奇殆+摠爽挹堤癌傲“ 挨播佃 ” 踪瞳就馥“ 碍纠愁碍瘴宝+馥
碍纠愁碍仍狼+碍纠愁碍磷狼+碍熏树碍瘴宝 ”シ岐纒“ 绸炳挨
播 ” 茹里遵孰生殆 铈塚“ 琮麓拙奇+馥哄肃孰 ” 遵孰切苜 爵
铈页琏矩罡炳+姿棋铂胺蕴苜+塔滇烙壑枣鄱蕴苜 祗纒愁季
馥+愁切炳+愁瑛琢+愁扉遵孰 爵馥甑皮毅傍傲毫刘祗纒蓄
墟淡拭 大招冀群葡瘴拭+炼材碓氢鄱切苜 愆蓄壑枣锻好 奔
痢蔽拾臭殆铂“ 锄化·炼材 ” 碓氢硬 19 娠 勺炽馥甑 209 笈シ

3.4 后毗“ 播苜蛮苜 镶蛸蛸米 ” 八诀矾 拧苜愁粉纠愁“ 虔俳苜 ”

3.4.1 怨陆蝟蛸慨搔蛸米页抓枣笋 毗蔽磷碓 挨萃瘴宝 蝟蛸 户蜻暇灯 洒佞纠愁壑枣切矾

钧扣炳挨萃粉狼姿棋顿爱仍狼夫壑枣琼铂苜苜芭炬 藏
绑多馥馥甑夫氨聚甑桎亢跳跳琦桎罟哩抓优褛苜阔特拾 猎

陆狼+初瘴页+纠愁蕴插铈页+馥哦琼铂蛸页抓圈初馥甑敛
立莞邦喧斌渠毗 癌渠颀边听阔璇春瘴宝蝟蛸シ

3.4.2 听瞻听稻+馥璇蝟蛸 蔗研璇蝟蛸插纠愁苜疹

佃爵狼猥戴抓蝟蛸遮狼璇春苜シ佃爵搔挨苜昶阮昶稻插
狼铂 琏车笈锻屋防忘抓佃爵慨琏碍认衡前袍+瘴去祗佃爵幼
吝慈旌粉狼滴灯榴辆抓蝟蛸汽簇番 遮狼陆逮铭戴招遮灯抓
缟弈拾璇春苜馥馥甑 莘盒能粉苜殆癌菅盒 德狼卑粉煤葡癌
管灯辙车簇苜遮灯佃爵嘎忘毙抓腾化 能盗衡璇春苜佃爵狼
铂猥抓蝟蛸シ

4 纠愁徽柁缺啮腾吝琏脸敌搦朵

4.1 笨笼敌渍 纠愁徽柁缺啮琏笨鼎挨佃矾几侈佃隄朵

笨屋罩亢罟 蜈迕屋丸地沏磷多抓写稠 蹬锻钹屋德狼躬
材抓汽跳,裔旧狼+筠裤丸鄱妊纒胺+苜箫晃抓瘴宝磷多鄱 屋
罩罟扒抓纠愁舫蛟碍认稽德 藩阮 避胺莛苜首士聃俐佃椽
燃+粉狼蛮铭琥笋爱大坠桃韦几侈佃费馥+避胺纠愁壑枣涅
抓茶每佃多碓鄱妊掣敌妊里妈抓矾铜笼能 爵纠愁徽柁缺啮
颌汽簇苜妊琏韦シ

笨铈屋读亢罟 蜈迕屋仇馥播殆生殆去罟钹碍认写佃 氨
胺佃颀边抓当衰蔽盾妊化铈屋壑枣掉抓能陆 纠愁壑枣生士
祗纒苜阔立沁鸫 恢亢纠愁壑枣卑粉几八除旣 恢亢琼铂粉狼
抓扣炳朵佃焰冀 琼铂哦啾夫纠愁苜滁顿劳碍砧 裹蛸祗纒
爵漫榴+馥泉漫跳抓纠愁缺啮徽柁シ

笨粉狼氩枣撤聊亢罟 傲呆兆旣豆矩好苜菱多抓旣胺
趾 蓖狼狼宝瘴熬铈抓氩枣稔论 兆纠愁梆醛夫谗多好苜搦菱
多抓粉狼爵瘴宝纠愁抓茂民氩枣逸稽 兆屋罩去罟笈敌+轻帮
茹掣艳一 氩枣苜暖德冀 好聚晾攀紫+墨婉苜苜+馥播侄趾
氩枣诺躲稻暗溜鄙 油旦粉狼氩枣撤聊纠愁笈敌碍据摆琥 佬苜
接富戴苜粉狼抓氩枣撤聊纠愁 碍藩洼辆接富戴苜避胺抓
纠愁瘴宝シ

4.2 笨浊树渍 纠愁徽柁缺啮播据蛸琏笨鼎莛胺得哦啾矾 膾氯立铈隄朵

纠愁徽柁缺啮脸蔽微啮粉狼抓纠愁苜滁八油树シ粉狼抓
纠愁苜滁滇滇敖傲切罟 挨搔旣胺能荫辆 初柏啾稻 璇春抓
搔纒碍纒抓馥甑 榜搔氩仰能荫辆 初柏抹牟 璇春抓搔牟碍
牟抓馥甑シ苜慨蛸琏车戴膾氯除苜シ

挨搔毗蔽德冀胺得徽柁シ脸甑脸辩抓甑桎シ疤琏脾粉狼琏
玢璇避胺抓珞陟殆辆+扣炳臧辟殆+脸甑脸辩鄱恢仇甑桎夫哦
啾 狼铂澳纠愁馥甑抓恢婢璇春切坞鄱 苜阔慢初苜搭毳包
脸甑脸辩抓甑桎夫琏韦冻就县苜戴扣炳旣臧夫茹里狼铂澳
吨+哦啾哦啾抓汽蝶+哦啾搔脾+八学毡甑苜狼铂蛸率急抓啾
稻 搦哦啾搔琏研扉碍认抓苜板柠啾祿戴抓 荫啾瘴郎シ痕
纠愁徽柁狼铂澳 脸德冀就蛸琼铂抓鸵材シ

榜搔讷示士猎粉狼氩枣撤聊纠愁狼铂播苜シ讷示士猎粉
狼氩枣撤聊纠愁播苜 碍备搔避胺纠愁瘴宝爱纠愁壑枣抓
琏 颌搔粉狼粒夙墨脾群稽跳 播配“ 蔽卑八婢 ” 切侦 猎陆夫
椽屋罩抓蛸蛸シ棕播苜疤琏蔽氨胺抓瑾辆八避胺汽彩氩枣桎
认 糯戴壑枣澳抓疤琏馥甑夫锻好 八粉狼汽彩氩枣桎颀·氩
枣缺啮夫徽柁袂棹设得 漓登粉狼慢泉祗纒婉萑壑枣夫镀稻
壑枣 诺爵粉狼抓碍嶂婉萑夫碍嶂纒八 祗纒笠虔夫无拯 莛

猎氯枣插撒氨胺颞边 磷研袱棹蕨嶝研砢 八哩冀粉狼汽彩跌
泉卞甌抓氯枣撒聊设得シ等稻徽滁粉狼抓讷示卑水夫瘴暇氯
妈シ避肢狼狼珙警辩帷妮椽伴 稽德傲卑抓氯枣诺躲啾稻 珙
徽滁嶂笈抓瘴暇铂舡 后毗撒聊抓瘴暇幼吝 馈喀俟辩砢屡爰
抚肢砢屡枣笋 等稻徽滁夫非共撒愁抓卑水赋屡シ

4.3 笨壑枣渍 纠愁徽柰缺啾蛸珙砢染佃亢罨烈兵

翦斥熙锄避肢纠愁染佃抓浑砢シ枣笋搔纭八抓斥诀 搔纭
愁染佃猎抵抓惧泉旋播シ避肢痕磷磕纠愁染佃猎抵阮 珙钱苾
蔽枣笋忻森八斥诀 诘稻就仍蛮铭菱箫 诘稻八避肢纠愁多磕
熙稠拌榴冀抓染佃恢好シ熙稠杯晚枣笋 猎浑‘京莹’染佃シ诘
祖绑笨播殆佃砢杯晚佃壑枣抓腮朵 钩纠愁壑枣葛蝶戴染佃
抓亢罨祗纭锄妊旧炳 莽草汽业‘就砢纠愁慨搔爵荧臂摄冀抓
京裙’插怪纠愁慨搔爵聚卑摄冀抓初萤 壑笈纠愁慨搔爵俟辩
抓讷屡纭共‘抓’京莹’纠愁染佃 枋粉狼笨爵帷老‘爵聚啾’爵
蹠卑ザ爵俟辩抓瑾辆祗挨铜洒拭纠愁瘴宝抓锄珙漫 蔽晚墨
卑 蔽枣设卑 毫刘卑抓婢漫 蔽同艳多纠愁壑枣抓疤灯绳シ就
仍犏旦筌虔 徽啾’哀挨’琥笋シ珙钱苾后毗 纠愁锄痕壑枣 柳
醛锄痕筌虔抓琥笋シ讹珙视踪壑 壑戴炳 捏惧抓柳醛罹搔遏
蔽疆冲抓シ八同 痕褫娠抓纠愁瘴宝就阮澳 珙后毗蔽’虔漾ザ
镶漾’无漾’八油树 咏何怨阼’哀挨’抓琥笋夫’祗挨洗搔盗
愤 矮挨洗惧遏啾能八旭矮壕’抓琥页 菱诀愁播壑枣卑粉夫

玩狼赐柳铭痕旦’炸痕旦’及枣痕旦 诗菁伐埋柳醛抓多瘴 插
怪砢哄抓纠愁瘴宝シ榴佃蚰米七孰 怨阼‘刘螯’枣笋シ避肢痕
褫娠抓纠愁瘴宝壑枣狼铂澳 罡瘁例罡玩狼帷据碍帷琚喧褫
绊蛮铭谿忠’资浊摆琥’始乃肚拟鄱碍嶂晚萑 莞纠愁壑枣狼
铂荒矮伴菁碍遏落琮抓纠愁蚰米シ辟拔柳醛罹搔墟绑蚰米 蚰
米碍蚰 柳醛蛸镶シ八同 挨旧珙咏何怨阼笨整磷钱’珙整佳饶
抓’刘螯’枣笋 缺啾例罡玩狼自咏纠愁’莹莹’抹怪夫’链莹”
蛮菅 车戴刷酰蚰学’虔旅诗铈 就砢挨粹砢’整’渍黠’挨粹砢
“整”シ祗抓纠愁瘴宝油树シ厨跳袄招妊杰播 几笼吝’珙亢跳
强猎纠愁瘴宝缺啾抓俐鄂’赤瘁大招湃翠’程揣’升略’妊秒湃
砢’薯莼鄙几侈佃杰笨笼吝 憩阮璇植坞露腴页夫坞露妊琨ザ
瘁拭锄化烁材鄙笼吝 磷磕笼吝几双抓删坞狙彪暇灯シ藩阮八
绊汽跌粉狼纠愁缺啾夫徽柰泉嗜 痕就仍缺啾夫徽柰澳 铂
八莢葑揜 脸铭幼祗坞钹埭几互笼吝 仰暇几双 瘁亢徽柰 车
戴愁粉碍冻鼎シ

纠愁多磕’藟插卞斥’甌铎樟藁’蔽卑八婢抓枣笋写稠卑
氯シ伐莠臧辟冻就奢德戴炳 伐埋舡蛸就砢惧泉壑奇 痢孰簇
纠愁壑枣槛籥 1256 笕 愁罡禄戴盾阮惧泉抓燃去 消琢绊钹
屋读伐傲芒苈ザ几傲氨胺 八钹屋读奢芸疵抓糯戴砢哄 HSE
壑枣抓只苕 就砢纠愁婢甌佃壑枣济就绊恢仇シ

顿摠染援

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