

***Well Logging Technology Branch Company***

***测井技术分公司***

**宁209H49-8井原始资料收集登记表**

**一、井基本信息**

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| **井基本信息** | | | |
| **井 名** | 宁209H49-8井 | | |
| **井 型** | 水平井 | | |
| **井 别** | 开发井 | | |
| **井 深** | 4981.00m | | |
| **井口坐标** | X：3116995.546m | | |
| Y：18504834.97m | | |
| **补心高度** | 9.00m | | |
| **地面海拔** | 870.38m | | |
| **补心海拔** | 879.38m | | |
| **磁 偏 角** | -0.0° | | |
| **建设方单位** | 四川长宁天然气开发有限责任公司 | | |
| **钻井单位** | 宝春70568BC | | |
| **开钻日期** | 2019-01-16 | | |
| **完钻日期** | 2020-03-09 | | |
| **完井日期** |  | | |
| **是否总包井** | 是 | **总包单位** | 川庆钻探 |
| **钻头1直径** | 406.4mm | **钻头1深度** | 499.00m |
| **钻头2直径** | 311.2mm | **钻头2深度** | 1598.00m |
| **钻头3直径** | 215.9mm | **钻头3深度** | 4981.00m |
| **钻头4直径** | mm | **钻头4深度** | m |
| **钻头5直径** |  | **钻头5深度** |  |
| **钻头6直径** |  | **钻头6深度** |  |
| **地理位置** | 四川省宜宾市珙县曹营镇海棠村5组 | | |
| **构造位置** | 长宁背斜构造中奥顶构造南翼 | | |
| **目 的 层** | 龙马溪组 | | |

**二、井次基本信息**

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| **井次基本信息** | | | | | | |
| **井次名称** | 第 次测井 | | | A7任务单号 | | TZD-XN-20200310188 |
| **井次类型** | 套管井测井 | | | | | |
| **测井公司** | 中油测井西南分公司 | | | | | |
| **测井顶部深度** | 0m | | | | | |
| **测井底部深度** | 1596.03m | | | | | |
| **标准测井顶部深度** |  | | | | | |
| **标准测井底部深度** |  | | | | | |
| **钻 井 液**  **（井筒液）** | **性质** | 油基 | | | | |
| **密度** | 1.82g/cm3 | | | | |
| **粘度** | 76秒 | | | | |
| **电阻率** | Ω.m | | | | |
| **测井装备（系列）** | SKD3000 | | | | | |
| **测井方式** | 电缆 | | | | | |
| **测井小队** | C1369队 | | | | | |
| **小队长** | 潘勇 | | | | | |
| **操作员** | 向亚林 | | | | | |
| **现场验收员** |  | | | | | |
| **远程验收员** |  | | | | | |
| **固井结束时间** | 2019.02.25 01:00 | | | | | |
| **测井开始时间** | 2020.03.12 18:30 | | | | | |
| **测井结束时间** | 2020.03.12 22:30 | | | | | |
| **测井总时间** | 4h | | | | | |
| **损失时间** | 0h | | | | | |
| **套管1内径** | 317.86mm | | **套管2内径** | | 220.52mm | |
| **套管1外径** | 339.7mm | | **套管2外径** | | 244.5mm | |
| **套管1壁厚** | 10.92 mm | | **套管2壁厚** | | 11.99mm | |
| **套管1终深** | 497.23m | | **套管2终深** | | 1596.03m | |
| **套管3内径** | mm | | **套管4内径** | | mm | |
| **套管3外径** | mm | | **套管4外径** | | mm | |
| **套管3壁厚** | mm | | **套管4壁厚** | | mm | |
| **套管3终深** | m | | **套管4终深** | | mm | |
| **套管5内径** | mm | | **套管6内径** | | mm | |
| **套管5外径** | mm | | **套管6外径** | | mm | |
| **套管5壁厚** | mm | | **套管6壁厚** | | mm | |
| **套管5终深** | mm | | **套管6终深** | | mm | |
| **任务通知单号** | 2020-0185 | | | | | |
| 注：井次类型包括：裸眼井测井、套管井测井、随钻测井 | | | | | | |

**二、井次基本信息（续）**

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| **井次基本信息** | | | | | | |  |
| **最大井斜** | | 90.0° | | **最大井斜深度** | | | 3603.38m |
| **人工井底** | | 4981.00m | | **套补距** | | | 9.00m |
| **水泥性质** | | 嘉华G级 | | **已注水泥量** | | | 100t |
| **油气层顶深** | |  | | **油气层底深** | | |  |
| **设计返高** | | m | | **实际返高** | | | 520m |
| **水泥浆密度**  **（g/cm3）** |  | MAX | | MIN | | | AVE |
| **缓凝** | 1.93 | | 1.86 | | | 1.91 |
| **快干** | 1.93 | | 1.91 | | | 1.92 |
| **其它** |  | |  | | |  |
| **水泥抗压强度试验** | | **时间（h）** | | **温度（℃）** | | | **抗压强度（par）** |
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| **套管参数** | | **钢级** | **外径（mm）** | **内径（mm）** | **壁厚（mm）** | **下深井段（m）** | |
| N80 | 339.7 | 317.86 | 10.92 | 0-497.23 | |
| N80 | 244.5 | 220.52 | 11.99 | 0-1596.03 | |
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| **水泥胶结测井仪器扶正器** | | **类 型** | | **尺寸（mm）** | | **测量井段（m）** | |
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| **套管扶正器** | | **类 型** | | **尺寸（mm）** | | **放置井段（m）** | |
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| **短套管位置** | | **外径（mm）** | | **长度（m）** | | **底深（m）** | |
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| **钻井、固井特殊施工情况简述** | |  | | | | | |

**二、井次基本信息（续）**

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| **井次基本信息** | | | | | | |
| **测井类别** | | |  | | | |
| **测井项目** | **序号** | **确认** | **测井内容** | | **仪器型号** | **测量井段** |
| 1 | **√** | 自然伽马 | |  | 0-1596.03 |
| 2 | **√** | 磁性定位 | |  | 0-1596.03 |
| 3 |  | 补偿声波 | |  |  |
| 4 |  | 补偿中子 | |  |  |
| 5 |  | 补偿密度 | |  |  |
| 6 |  | 井径 | |  |  |
| 7 |  | 井斜 | |  |  |
| 8 |  | 岩性密度 | |  |  |
| 9 |  | 自然电位 | |  |  |
| 10 |  | 自然伽玛能谱 | |  |  |
| 11 |  | 交叉偶极声波 | |  |  |
| 12 |  | 远探测声波 | |  |  |
| 13 |  | 阵列感应 | |  |  |
| 14 |  | 地层倾角 | |  |  |
| 15 |  | 微电阻率扫描成像 | |  |  |
| 16 |  | 核磁共振 | |  |  |
| 17 |  | 地层元素 | |  |  |
| 18 |  | 快速超声波成像（CAST-Ⅰ） | |  |  |
| 19 | **√** | 固井质量检测 | |  | 0-1596.03 |
| 20 |  | 套损检测 | |  |  |
| 21 |  | 连续井温测井 | |  |  |
| 21 |  | 分区水泥胶结测井（SBT） | |  |  |
| 23 |  | 随钻电磁波电阻率 | |  |  |
| 24 |  | 随钻定向遥测 | |  |  |
| 25 |  | 井底温度 | |  |  |
| 26 |  |  | |  |  |
| 27 |  |  | |  |  |
| 28 |  |  | |  |  |
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| 30 |  |  | |  |  |
| 31 |  |  | |  |  |
|  | 32 |  |  | |  |  |
| **注：测井内容用“√”加以确定** | | | | | |
| **邻井井号（至少2口）** | | | | 长宁Ｈ5-4井、长宁Ｈ7-6井、长201井 | | |
| **裸眼测井正式自然伽马组合项** | | | | 自然伽马能谱 | | |

**三、地质分层**

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| **序号** | **层位** | **设计底深** | **设计厚度** | **岩屑底深** | **岩屑底垂深** | **岩屑厚度** |
| 1 | 韩家店组 | 1815 | 330 | 2020 | 1949.20 | 348.55 |
| 2 | 石牛栏组 | 2185 | 370 | 2348 | 2276.28 | 327.08 |
| 3 | 龙马溪组A点 | 2505 | 320 | 2800 | 2526.10 | 249.82 |
| 4 | 龙马溪组B点 | 2239 | -266 | 4250 | 2261.49 | -264.61 |
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**四、钻井、录井显示**

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| **问：有无钻井、录井显示？ 答：有** | | | |
| **序号** | **层位** | **显示井段(m)** | **显示类别** |
| **1** | 龙马溪组 | 2684.00～3283.40 | 气测异常 |
| **2** | 龙马溪组 | 3285.00～3571.00 | 气测异常 |
| **3** | 龙马溪组 | 3572.00～4250.00 | 气测异常 |
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**五、取心资料**

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| **问：有无取心资料？ 答：无** | | | |
| **序号** | **层位** | **取心井段(m)** | **岩性** |
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**六、相关方信息**

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| **相关方信息** | | | | | | |
| **建设方** | **序号** | **单位名称** | **现场监督** | | **联系方式** | **用“√”加以确定** |
| 1 | **勘探事业部** |  | |  |  |
| 2 | **开发事业部** |  | |  |  |
| 3 | **川东北气矿** |  | |  |  |
| 4 | **重庆气矿** |  | |  |  |
| 5 | **川中油气矿** |  | |  |  |
| 6 | **川西北气矿** |  | |  |  |
| 7 | **蜀南气矿** |  | |  |  |
| 8 | **华茂公司** |  | |  |  |
| 9 | **长城钻探四川威远页岩气项目部** |  | |  |  |
| 10 | **浙江油田** |  | |  |  |
| 11 | **长宁公司** |  | |  | **√** |
| **地质录井队** | **队 名** | | **队长姓名** | **联系电话** | | **邮 箱** |
| L10832队 | | 徐文峰 | 13882834955 | | ywwb2\_dyy@cnpc.com.cn |
|  | |  |  | |  |
| **测井小队** | **岗 位** | | **姓 名** | **联系电话** | | **邮 箱** |
| **队 长** | | 赵强 | 13527427654 | | qiangzh\_cj@cnpc.com.cn |
| **操作员** | | 李红刚 | 18623099618 | |  |
| **资料收集员** | |  |  | |  |
| **注：此表中的信息须经核实后准确填写，内容要真实有效。** | | | | | | |

1. **情况说明**
2. **。**