| I NUMBER: 105 41246 | OIL & GAS OKLAHO | CORPORATION CONSERVATIO P.O. BOX 5200 MA CITY, OK 7 Rule 165:10-3- | N DIVISION) 3152-2000 | Approval Date: 12/28/2017 Expiration Date: 06/28/2018 |
|--|---|--|-------------------------------|---|
| | F | PERMIT TO DRI | L | |
| | - | | | |
| VELL LOCATION: Sec: 19 Twp: 28N Rge: 1 | 7E County: NOWA | ГА | | |
| POT LOCATION: SW SE SW NE | FEET FROM QUARTER: FROM | IORTH FROM E | AST | |
| | SECTION LINES: 2 | 434 1 | 967 | |
| Lease Name: KOTTKE | Well No: | 9-4M | Well will b | be 1967 feet from nearest unit or lease boundary |
| Operator RIVER ROCK OPERATING LLC Name: | | Telephone: 4056 | 067481 | OTC/OCC Number: 23862 0 |
| RIVER ROCK OPERATING LLC | | | NEAL & LEE KOTT | |
| 211 N ROBINSON AVE STE 200 | | | 141 WEST JACKSC | ON BLVD |
| OKLAHOMA CITY, OK | 73102-7109 | | 1620 CHICAGO BO | ARD OF TRADE |
| OREAHOMA CITT, OR | 13102-1109 | | CHICAGO | IL 60604 |
| 3 IRON POST COAL 4 CROWEBERG 5 ROWE COAL Spacing Orders: | 450 490 860 Location Exception O | 8 9 10 rders: | | Increased Density Orders: |
| No Spacing | | | | |
| Pending CD Numbers: Total Depth: 1250 Ground Elevation: 8 | 00 Surface C | asing: 0 | Deţ | Special Orders: oth to base of Treatable Water-Bearing FM: 160 |
| Cement will be circulated from Total D Under Federal Jurisdiction: No | - | face on the Pro | - | ng. Surface Water used to Drill: No |
| | | | ved Method for disposal of Dr | |
| PIT 1 INFORMATION | | | | • |
| Type of Pit System: ON SITE Type of Mud System: AIR | | A. E' | aporation/dewater and backfi | |
| Is depth to top of ground water greater than 10ft below b Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is not located in a Hydrologically Sensitive Area. Category of Pit: 4 | ase of pit? Y | н. с | BL REQUIRED | |
| Liner not required for Category: 4 | | | | |
| | | | | |
| Pit Location is NON HSA | | | | |
| Pit Location is NON HSA Pit Location Formation: OOLOGAH | | | | |

Notes:

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

| Category | Description |
|----------------------|--|
| ALTERNATE CASING | 12/6/2017 - G71 - APPROVED; COPY OF CBL NEEDS TO BE SUBMITTED TO THE TECHNICAL STAFF IMMEDIATELY. A COMPLETION ATTEMPT, IN CASES WHERE THE PROTECTION OF THE TREATABLE WATER IS QUESTIONABLE, IS STRICTLY PROHIBITED. RULE 165: 10-3-4 (D)(4)(C) |
| COMMINGLE - 459421 | 12/28/2017 - G58 - DESIGNATES NOWATA COUNTY CBM FIELD FOR MLKY, IRNPT, BVIR, CRBG, WRPG, BJCK, ROWCL, AND RVTN; ALLOWS COMMINGLE AS AN EXCEPTION TO 165:10-3-39 PROVIDED THERE IS UNIFORM OWNERSHIP |
| COMMINGLE - 473443 | 12/28/2017 - G58 - MOD 459421 TO INCLUDE SMMT |
| COMMINGLE - 500189 | 12/28/2017 - G58 - MOD 459421 TO INCLUDE TEBO, NTRL |
| HYDRAULIC FRACTURING | 12/5/2017 - G71 - OCC 165:10-3-10 REQUIRES: |
| | 1) REIOR TO COMMENCEMENT OF HYDRAULIC ERACTURING ORERATIONS FOR HORIZONITAL |
| | 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; |
| | WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH |
| SPACING | WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; 2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: |