

**CONTINENTAL RESOURCES, INC.**P.O. Box 1032 Enid, OK 73702  
(580) 233-8955**AUTHORITY FOR EXPENDITURE**

AFE No.: \_\_\_\_\_ Date: 05/05/16 Lease Name &amp; No.: NE Atterberry 1-27-34XH

Legal Description: SHL: 150 FNL & 430 FEL Sec 27-T13N-R13W County: Blaine State: Oklahoma  
BHL: FSL & 330 FEL Sec 34-T13N-R13W

Work Description: Drill and complete Woodford, 9971 ft lateral at 14146 ft TVD 5.5 in. cemented long string to 24350 ft; 42 stage frac

Oil Based Mud system

Exploration ~~XXX~~ Developer: \_\_\_\_\_ Recompletion: \_\_\_\_\_ Supplemental: \_\_\_\_\_ T.D.: 24,350'

|  | Estimated Days | 69          | 6    |             |
|--|----------------|-------------|------|-------------|
| <b>INTANGIBLES</b>                     | Code           | Dry Hole    | Code | Completion  |
| Legal expenses                         | 010            | \$43,000    | 010  | \$1,000     |
| Damages                                | 020            | \$25,000    | 020  | \$1,000     |
| Road & location construction           | 030            | \$191,000   | 030  | \$51,000    |
| Rig Costs                              | 060            | \$2,178,000 | 060  | \$295,000   |
| Water                                  | 070            | \$21,000    | 070  | \$116,000   |
| Drilling mud & chemicals               | 090            | \$1,005,000 | 090  | \$144,500   |
| Bits & BHA                             | 100            | \$230,000   | 100  | \$166,000   |
| Surface rental tools & equipment       | 110            | \$179,000   | 110  | \$140,000   |
| Drill pipe & work string rental        | 120            | \$15,000    | 120  | \$45,000    |
| Cementing                              | 130            | \$58,000    | 130  | \$87,000    |
| Flowback                               | 140            | \$0         | 140  | \$52,000    |
| Roustabout Labor                       | 151            | \$30,000    | 151  | \$0         |
| Roustabout Transportation              | 152            | \$20,000    | 152  | \$0         |
| Downhole testing and analysis          | 160            | \$29,000    | 160  | \$0         |
| Wireline services                      | 170            | \$50,000    | 170  | \$251,000   |
| Rental tanks                           | 210            | \$26,000    | 210  | \$14,000    |
| Stimulation services                   | 230            | \$0         | 230  | \$3,570,000 |
| Miscellaneous services & contingencies | 240            | \$294,000   | 240  | \$287,000   |
| Fuel                                   | 250            | \$461,000   | 250  | \$0         |
| Directional tools and services         | 280            | \$474,000   | 280  | \$0         |
| Inspections                            | 290            | \$10,000    | 290  | \$0         |
| Casing Crews                           | 300            | \$32,000    | 300  | \$25,000    |
| Fishing tools and services             | 330            | \$0         | 330  | \$0         |
| Pumping services                       | 340            | \$0         | 340  | \$294,000   |
| Insurance                              | 350            | \$0         | 350  | \$0         |
| Mud disposal                           | 360            | \$155,000   | 360  | \$462,000   |
| Field office expense - housing         | 470            | \$98,000    | 470  | \$0         |
| Contract supervision                   | 500            | \$301,000   | 500  | \$44,000    |
| Overhead                               | 800            | \$30,000    | 800  | \$15,500    |
| Drilling Hazard Mitigation             | 900            | \$65,000    | 900  | \$0         |

**TOTAL INTANGIBLES****\$6,022,000 \$6,061,000 \$12,083,000****TANGIBLES**

|                                |   |                           |     |           |     |           |
|--------------------------------|---|---------------------------|-----|-----------|-----|-----------|
| Surface Casing                 | 1,500 ft. @ \$ 40.00 /ft.                                     | 13 3/8", 54.5#, J-55, ST8 | 510 | \$60,000  |     | \$60,000  |
| Intermediate Casing            | 11,550 ft. @ \$ 31.26 /ft.                                    | 9 5/8", 40#, P110, LT&C   | 520 | \$361,000 |     | \$361,000 |
| Production Casing              | 24,350 ft. @ \$ 19.50 /ft.                                    | 5-1/2", 23#, P-110 BTC-XP |     |           | 530 | \$475,000 |
| Toe Initiator Sleeve           |   |                           |     |           | 530 | \$19,000  |
| Surf Equ Trkg/Inst/Lbr         |   |                           |     |           | 540 | \$53,000  |
| Tubing                         | 14,490 ft. @ \$ 5.75 /ft.                                     | 2-7/8", 6.5#, L-80, EUE   |     |           | 550 | \$90,000  |
| Wellhead Equipment             | 13-5/8" SQW x 13 3/8" 3K x 11" 5K x 7-1/16" 10K x 2-9/16" 10K |                           | 560 | \$22,500  |     | \$22,500  |
| Packers & Subsurface Equipment |   |                           |     |           | 570 | \$25,000  |
| Pumping Unit & Prime Mover     |   |                           |     |           | 580 | \$0       |
| Sucker Rods & Pump             |   |                           |     |           | 590 | \$0       |
| Production Facility            |   |                           |     |           | 600 | \$166,500 |
| Flowline, Valves & Connections |   |                           |     |           | 610 | \$50,000  |

**TOTAL TANGIBLES****\$455,000 \$901,000 \$1,356,000****TOTAL AFE****\$6,477,000 \$6,962,000 \$13,439,000****APPROVAL:****Operator:****Non-Operator:**

CONTINENTAL RESOURCES, INC.

Company: \_\_\_\_\_

Operations: \_\_\_\_\_ Geology: \_\_\_\_\_ Land: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Wt: \_\_\_\_\_ % Date: \_\_\_\_\_

This AFE is only an estimate of the costs to be incurred in conducting the referenced operation. In no event shall this AFE be construed as a representation or warrant as to the accuracy of such estimate, or construed in anyway to limit a participant's responsibility to pay its proportionate share of all costs and expenses incurred in connection with the referenced operations.



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