

# CONTINENTAL RESOURCES, INC.

P.O. Box 268870 Oklahoma City, OK 73102  
(405) 234-9000

## AUTHORITY FOR EXPENDITURE

A/E No.: \_\_\_\_\_ Date: 04/01/15 Lease Name & No.: Hook 1-21H

Legal Description: SHL: 150 FNL & 330 FWL Sec 21-T13N-R13W County: Blaine State: Oklahoma  
BHL: 30 FSL & 330 FWL Sec 21 T13N-R13W

Work Description: Drill and complete Woodford, 4623 ft lateral at 15450 ft TVD 5.5 in. cemented long string to 20345 ft; 14 stage frac

Oil Based Mud system

Exploration **XXX** Development \_\_\_\_\_ Recompletion: \_\_\_\_\_ Supplemental: \_\_\_\_\_ T.D.: 20,345'

	Estimated Days	45	5	
<b>INTANGIBLES</b>				
Legal expenses	010	\$42,000	010	\$1,000
Damages	020	\$32,000	020	\$1,000
Road & location construction	030	\$199,000	030	\$50,000
Rig Costs	060	\$1,196,000	060	\$165,000
Water	070	\$31,000	070	\$42,000
Drilling mud & chemicals	090	\$388,000	090	\$95,700
Bits & BHA	100	\$380,000	100	\$43,000
Surface rental tools & equipment	110	\$157,000	110	\$60,000
Drill pipe & work string rental	120	\$37,000	120	\$0
Cementing	130	\$75,000	130	\$125,000
Technical Services	140	\$0	140	\$56,000
Roustabout Labor	151	\$60,000	151	\$0
Roustabout Transportation	152	\$20,000	152	\$0
Downhole testing and analysis	160	\$52,000	160	\$0
Wireline services	170	\$50,000	170	\$123,000
Rental tanks	210	\$34,000	210	\$34,000
Stimulation services	230	\$0	230	\$1,750,000
Miscellaneous services & contingencies	240	\$220,000	240	\$141,000
Fuel	250	\$352,000	250	\$0
Directional tools and services	280	\$321,000	280	\$15,000
Inspections	290	\$6,000	290	\$0
Casing Crews	300	\$67,000	300	\$58,000
Fishing tools and services	330	\$0	330	\$0
Pumping services	340	\$0	340	\$106,000
Insurance	350	\$0	350	\$0
Mud disposal	360	\$200,000	360	\$100,800
Field office expense - housing	470	\$57,000	470	\$0
Contract supervision	500	\$158,000	500	\$38,000
Overhead	800	\$7,000	800	\$4,000
Drilling Hazard Mitigation	900	\$0	900	\$0
<b>TOTAL INTANGIBLES</b>		<b>\$4,141,000</b>	<b>\$3,008,500</b>	<b>\$7,149,500</b>
<b>TANGIBLES</b>				
Surface Casing 1,500 ft @ \$ 38.47 /ft 13 3/8", 54 5#, J-55, ST	510	\$58,000		\$58,000
Intermediate Casing 11780 ft @ \$ 40.26 /ft 9 5/8", 47#, N-80, LT&C	520	\$474,000		\$474,000
Production Casing 20,350 ft @ \$ 25.00 /ft 5-1/2", 23#, P-110 BTC-XP			530	\$509,000
Production Liner & Hanger 0 ft @ \$ - /ft	0		530	\$0
Surf Equ Trkg/Inst/Lbr			540	\$25,000
Tubing 15,720 ft @ \$ 7.00 /ft 2-7/8", 6 5#, J-55, EUE			550	\$118,000
Wellhead Equipment 13-5/8" SOW x 13 3/8" 3K x 11" 5K x 7-1/16" 10K x 2-9/16" 10K	560	\$1,000	560	\$32,000
Packers & Subsurface Equipment			570	\$10,000
Pumping Unit & Prime Mover			580	\$0
Sucker Rods & Pump			590	\$0
Production Facility			600	\$104,000
Flowline, Valves & Connections			610	\$25,000
<b>TOTAL TANGIBLES</b>		<b>\$544,000</b>	<b>\$823,000</b>	<b>\$1,367,000</b>
<b>TOTAL A/E</b>		<b>\$4,685,000</b>	<b>\$3,831,500</b>	<b>\$8,516,500</b>

**APPROVAL:**  
**Operator:** \_\_\_\_\_

CONTINENTAL RESOURCES, INC.

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

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

**Non-Operator:** \_\_\_\_\_

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

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

WI: \_\_\_\_\_ %

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

APR 6 2015 409  
CD15-1409

