

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

A/E No. _____ Date: 07/16/15 Lease Name & No. _____ Conn 1-19H

Legal Description: SHL 200 FSL & 700 FEL Sec 19-T16N-R12W County: Blaine State: Oklahoma

Work Description: BHL 50' FNL & 330 FEL Sec 19-T16N-R12W

Drill and complete Stack, 4553 ft lateral at 11153 ft, TVD 5.5 in. cemented long string to 15978 ft, 16 stage frac

Oil Based Mud system

Exploration	Development	Recompletion	Supplemental	T.D. 15,978'
Estimated Days	33	4		
Code	Dry Hole	Code	Completion	Total
INTANGIBLES				
Legal expenses	010 \$33,000	010 \$1,000		\$34,000
Damages	020 \$20,000	020 \$1,000		\$21,000
Road & location construction	030 \$178,000	030 \$25,000		\$203,000
Rig Costs	060 \$1,074,000	060 \$194,000		\$1,268,000
Water	070 \$27,000	070 \$48,000		\$75,000
Drilling mud & chemicals	090 \$329,000	090 \$96,000		\$425,000
Bits & BHA	100 \$175,000	100 \$69,000		\$244,000
Surface rental tools & equipment	110 \$84,000	110 \$95,000		\$179,000
Drill pipe & work string rental	120 \$14,000	120 \$0		\$14,000
Cementing	130 \$58,000	130 \$117,000		\$175,000
Flowback	140 \$0	140 \$52,000		\$52,000
Roustabout Labor	151 \$30,000	151 \$0		\$30,000
Roustabout Transportation	152 \$20,000	152 \$0		\$20,000
Downhole testing and analysis	160 \$26,000	160 \$0		\$26,000
Wireline services	170 \$55,000	170 \$115,000		\$170,000
Rental tanks	210 \$15,000	210 \$14,000		\$29,000
Stimulation services	230 \$0	230 \$1,520,000		\$1,520,000
Miscellaneous services & contingencies	240 \$147,000	240 \$137,000		\$284,000
Fuel	250 \$168,000	250 \$0		\$168,000
Directional tools and services	280 \$178,000	280 \$15,000		\$193,000
Inspections	290 \$6,000	290 \$0		\$6,000
Casing Crews	300 \$67,000	300 \$50,000		\$117,000
Fishing tools and services	330 \$0	330 \$0		\$0
Pumping services	340 \$0	340 \$112,000		\$112,000
Insurance	350 \$0	350 \$0		\$0
Mud disposal	360 \$183,000	360 \$230,400		\$413,400
Field office expense - housing	470 \$64,000	470 \$0		\$64,000
Contract supervision	500 \$139,000	500 \$39,000		\$178,000
Overhead	800 \$7,000	800 \$4,000		\$11,000
Drilling Hazard Mitigation	900 \$0	900 \$0		\$0
TOTAL INTANGIBLES	\$3,097,000	\$2,934,400		\$6,031,400
TANGIBLES				
Surface Casing 1,500 ft @ \$ 37.25 /ft 13 3/8" 54.5# J-55 ST	510 \$56,000			\$56,000
Intermediate Casing 3,000 ft @ \$ 30.00 /ft 13 3/8" 54.5# J-55 ST	520 \$366,000			\$366,000
Production Casing 15,980 ft @ \$ 22.58 /ft 5-1/2" 23# P-110 BTC-XP		530 \$361,000		\$361,000
Toe Initiator Sleeve 0 ft @ \$ - /ft -	0	530 \$19,000		\$19,000
Surf Eqp Trkg/Inst/Lbr		540 \$25,000		\$25,000
Tubing 11,430 ft @ \$ 5.75 /ft 2-7/8" 6.5# L-80, EUE		550 \$71,000		\$71,000
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 \$12,000	560 \$32,000		\$44,000
Packers & Subsurface Equipment		570 \$26,000		\$26,000
Pumping Unit & Prime Mover		580 \$0		\$0
Sucker Rods & Pump		590 \$0		\$0
Production Facility		600 \$170,000		\$170,000
Flowline, Valves & Connections		610 \$50,000		\$50,000
TOTAL TANGIBLES	\$434,000	\$754,000		\$1,188,000
TOTAL AFE	\$3,531,000	\$3,688,400		\$7,219,400

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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JUL 20 2015