



Authorization for Expenditure

CD: 201605863

AFE # XX-120191.01
Well Name: REDWOOD 21-15N-11W 1H
Cost Center Number: 1093579501
Legal Description: SECTION 21-15N-11W
Revision: ☐

AFE Date: 12-08-16
State: OK
County/Parish: BLAINE

Explanation and Justification:

COSTS TO DRILL AND COMPLETE A MERAMEC WELL.

Code	Intangible Description	Drilling Costs	Completion Costs	Dry Hole Costs	Total Costs
6010100	EMPLOYEE SALARIES	0.00	5,000.00	0.00	5,000.00
6060100	DYED LIQUID FUELS	53,000.00	0.00	0.00	53,000.00
6070100	GENERATORS SVC	17,000.00	0.00	0.00	17,000.00
6080100	DISPOSAL - SOLIDS	90,000.00	0.00	0.00	90,000.00
6080110	DISP-SALTWATER & OTH	0.00	107,186.00	0.00	107,186.00
6090100	FLUIDS - WATER	7,000.00	42,300.00	0.00	49,300.00
6110120	ROAD&SITE PREP M&S	0.00	14,383.60	0.00	14,383.60
6130170	COMM SVCS - OTHER	2,000.00	0.00	0.00	2,000.00
6130360	RTOC - ENGINEERING	18,000.00	0.00	0.00	18,000.00
6130370	RTOC - GEOSTEERING	13,000.00	0.00	0.00	13,000.00
6140160	ENV-SERVICES	0.00	5,400.00	0.00	5,400.00
6150100	CH LOG PERFRTG&WL SV	0.00	170,553.00	0.00	170,553.00
6160100	MATERIALS & SUPPLIES	2,000.00	0.00	0.00	2,000.00
6170100	PULLING&SWABBING SVC	0.00	14,000.00	0.00	14,000.00
6170110	SNUBBG&COIL TUBG SVC	0.00	247,255.00	0.00	247,255.00
6190100	TRCKG&HL-SOLID&FLUID	7,000.00	0.00	0.00	7,000.00
6190110	TRUCKING&HAUL OF EQP	15,000.00	20,910.86	0.00	35,910.86
6200130	CONSLT-TECH&PROF SVC	95,000.00	36,500.00	0.00	131,500.00
6230120	SAFETY SERVICES	15,000.00	3,400.00	0.00	18,400.00
6300270	SOLIDS CONTROL SRVCS	24,000.00	0.00	0.00	24,000.00
6310120	STIMULATION SERVICES	0.00	1,821,000.00	0.00	1,821,000.00
6310200	CASING & TUBULAR SVC	53,000.00	0.00	0.00	53,000.00
6310250	CEMENTING SERVICES	129,000.00	0.00	0.00	129,000.00
6310270	CRANE SERVICES	0.00	2,200.00	0.00	2,200.00
6310280	DAYWORK COSTS	487,000.00	0.00	0.00	487,000.00
6310300	DIRECTIONAL SERVICES	154,000.00	0.00	0.00	154,000.00
6310310	DRILL BITS	74,000.00	0.00	0.00	74,000.00
6310330	DRILL&COMP FLUID&SVC	146,000.00	0.00	0.00	146,000.00
6310360	FOOTAGE COSTS	0.00	10,840.00	0.00	10,840.00
6310370	MOB & DEMOBILIZATION	246,000.00	0.00	0.00	246,000.00
6310380	OPEN HOLE EVALUATION	7,000.00	0.00	0.00	7,000.00
6310600	MISC PUMPING SERVICE	0.00	42,400.00	0.00	42,400.00
6320100	EQPMNT SVC-SRF RNTL	60,000.00	274,850.00	0.00	334,850.00
6320110	EQUIP SVC - DOWNHOLE	83,000.00	53,308.00	0.00	136,308.00
6320160	WELDING SERVICES	4,000.00	0.00	0.00	4,000.00
6550110	MISCELLANEOUS SVC	19,000.00	11,500.00	0.00	30,500.00
6550120	OTHER ROUSTABOUT SER	0.00	47,215.80	0.00	47,215.80
6630110	CAPITAL OVERHEAD	10,000.00	10,000.00	0.00	20,000.00
6740340	TAXES OTHER	0.00	108,559.00	0.00	108,559.00
	Total Intangibles	1,830,000.00	3,048,761.26	0.00	4,878,761.26

Code	Tangible Description	Drilling Costs	Completion Costs	Dry Hole Costs	Total Costs
6060180	ELEC & PWRLINE EQUIP	0.00	74,195.00	0.00	74,195.00



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Costs on this form are estimates only. Working Interest Owners should not consider these estimates as establishing any limit on the monies which will be required to perform the proposed operation.



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Code	Tangible Description	Drilling Costs	Completion Costs	Dry Hole Costs	Total Costs
6120120	MEASUREMENT EQUIP	2,000.00	22,740.86	0.00	24,740.86
6130120	COMM DEVICES - SCADA	0.00	63,250.00	0.00	63,250.00
6310420	TUBING & COMPONENTS	0.00	63,800.00	0.00	63,800.00
6310460	WELLHEAD EQUIPMENT	40,000.00	80,000.00	0.00	120,000.00
6310490	WELL TESTING EQUIP	0.00	132,515.00	0.00	132,515.00
6310530	SURFACE CASING	50,000.00	0.00	0.00	50,000.00
6310540	INTERMEDIATE CASING	279,000.00	0.00	0.00	279,000.00
6310550	PRODUCTION CASING	389,000.00	0.00	0.00	389,000.00
6310580	CASING COMPONENTS	40,000.00	0.00	0.00	40,000.00
6320180	EQUIPMENT OTHER	0.00	157,670.36	0.00	157,670.36
6330100	PIPE,FIT,FLANG,CPLNG	0.00	112,583.66	0.00	112,583.66
	Total Tangibles	800,000.00	706,754.88	0.00	1,506,754.88

TOTAL ESTIMATED COST	2,630,000.00	3,755,516.14	0.00	6,385,516.14
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WORKING INTEREST OWNER APPROVAL

Company Name:

Signature:

Print Name:

Title:

Date:

Email:

Note: Please include/attach well requirement data with ballot.