



## Authorization for Expenditure

AFE # XX-121764.01

Well Name: LIGER 24-16N-11W 1H

Cost Center Number: 1093579601

Legal Description: SEC 24-16N-11W

Revision: ☐

AFE Date: 04-07-17

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	54,513.00	0.00	0.00	54,513.00
6070100	GENERATORS SVC	15,139.00	0.00	0.00	15,139.00
6080100	DISPOSAL - SOLIDS	67,061.00	0.00	0.00	67,061.00
6080110	DISP-SALTWATER & OTH	0.00	107,186.00	0.00	107,186.00
6090100	FLUIDS - WATER	4,775.00	42,300.00	0.00	47,075.00
6100100	PERMIT SURVEY&TITLE	13,000.00	0.00	0.00	13,000.00
6100110	RIGHT OF WAY	8,000.00	0.00	0.00	8,000.00
6110120	ROAD&SITE PREP M&S	0.00	14,383.60	0.00	14,383.60
6110130	ROAD&SITE PREP SVC	155,000.00	0.00	0.00	155,000.00
6110170	DAMAGE & REMEDIATION	25,000.00	0.00	0.00	25,000.00
6130170	COMM SVCS - OTHER	3,657.00	0.00	0.00	3,657.00
6130360	RTOC - ENGINEERING	16,765.00	0.00	0.00	16,765.00
6130370	RTOC - GEOSTEERING	12,193.00	0.00	0.00	12,193.00
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	4,775.00	0.00	0.00	4,775.00
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	5,385.00	0.00	0.00	5,385.00
6190110	TRUCKING&HAUL OF EQP	17,730.00	20,910.86	0.00	38,640.86
6200130	CONSLT-TECH&PROF SVC	89,859.00	36,500.00	0.00	126,359.00
6230120	SAFETY SERVICES	15,546.00	3,400.00	0.00	18,946.00
6300270	SOLIDS CONTROL SRVCS	19,661.00	0.00	0.00	19,661.00
6310120	STIMULATION SERVICES	0.00	1,821,000.00	0.00	1,821,000.00
6310200	CASING & TUBULAR SVC	53,141.00	0.00	0.00	53,141.00
6310250	CEMENTING SERVICES	108,315.00	0.00	0.00	108,315.00
6310270	CRANE SERVICES	0.00	2,200.00	0.00	2,200.00
6310280	DAYWORK COSTS	437,677.00	0.00	0.00	437,677.00
6310300	DIRECTIONAL SERVICES	128,027.00	0.00	0.00	128,027.00
6310310	DRILL BITS	81,185.00	0.00	0.00	81,185.00
6310330	DRILL&COMP FLUID&SVC	154,242.00	0.00	0.00	154,242.00
6310360	FOOTAGE COSTS	0.00	10,840.00	0.00	10,840.00
6310370	MOB & DEMOBILIZATION	103,234.00	0.00	0.00	103,234.00
6310380	OPEN HOLE EVALUATION	29,212.00	0.00	0.00	29,212.00
6310600	MISC PUMPING SERVICE	0.00	42,400.00	0.00	42,400.00
6320100	EQPMNT SVC-SRF RNTL	53,243.00	274,850.00	0.00	328,093.00
6320110	EQUIP SVC - DOWNHOLE	54,360.00	53,308.00	0.00	107,668.00
6320160	WELDING SERVICES	2,743.00	0.00	0.00	2,743.00
6520100	LEGAL FEES	7,500.00	0.00	0.00	7,500.00
6550110	MISCELLANEOUS SVC	22,049.00	11,500.00	0.00	33,549.00
6550120	OTHER ROUSTABOUT SER	0.00	47,215.80	0.00	47,215.80
6630110	CAPITAL OVERHEAD	15,444.00	10,000.00	0.00	25,444.00
6740340	TAXES OTHER	0.00	108,559.00	0.00	108,559.00



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.

APR 18 2017



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Well Name: LIGER 24-16N-11W 1H

Cost Center Number: 1093579601

Legal Description: SEC 24-16N-11W

Revision: ☐

AFE Date: 04-07-17

State: OK

County/Parish: BLAINE

	Total Intangibles	1,778,431.00	3,048,761.26	0.00	4,827,192.26
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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
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
6310150	CASG-COND&DRIVE PIPE	17,500.00	0.00	0.00	17,500.00
6310420	TUBING & COMPONENTS	0.00	63,800.00	0.00	63,800.00
6310460	WELLHEAD EQUIPMENT	28,856.00	80,000.00	0.00	108,856.00
6310490	WELL TESTING EQUIP	0.00	132,515.00	0.00	132,515.00
6310530	SURFACE CASING	38,814.00	0.00	0.00	38,814.00
6310540	INTERMEDIATE CASING	236,342.00	0.00	0.00	236,342.00
6310550	PRODUCTION CASING	283,184.00	0.00	0.00	283,184.00
6310580	CASING COMPONENTS	29,873.00	0.00	0.00	29,873.00
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	636,569.00	706,754.88	0.00	1,343,323.88

TOTAL ESTIMATED COST	2,415,000.00	3,755,516.14	0.00	6,170,516.14
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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.

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