



CD 201602893

Authorization for Expenditure

AFE # XX-118998.01

Well Name: HERMAN 3_34-15N-8W 1HX

Cost Center Number: 1093525701

Legal Description: SECS 3_34-15N-8W

Revision: ☐

AFE Date: 07-08-2016

State: OK

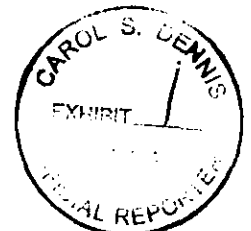
County/Parish: KINGFISHER

Explanation and Justification:

THE PROPOSED MERAMEC WELL WILL BE A 20,700' MD (10,000 TVD') MISSISSIPPIAN HORIZONTAL WITH APPROXIMATELY 9,600' OF LATERAL.

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	69,000.00	0.00	0.00	69,000.00
6070100	GENERATORS SVC	22,000.00	0.00	0.00	22,000.00
6080100	DISPOSAL - SOLIDS	110,000.00	0.00	0.00	110,000.00
6080110	DISP-SALTWATER & OTH	0.00	121,010.00	0.00	121,010.00
6090100	FLUIDS - WATER	8,000.00	43,450.00	0.00	51,450.00
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	23,183.60	0.00	23,183.60
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	2,000.00	0.00	0.00	2,000.00
6130360	RTOC - ENGINEERING	22,000.00	0.00	0.00	22,000.00
6130370	RTOC - GEOSTEERING	20,000.00	0.00	0.00	20,000.00
6140160	ENV-SERVICES	0.00	10,800.00	0.00	10,800.00
6150100	CH LOG PERFRGT&WL SV	0.00	213,200.00	0.00	213,200.00
6160100	MATERIALS & SUPPLIES	3,000.00	0.00	0.00	3,000.00
6170100	PULLING&SWABBING SVC	0.00	50,400.00	0.00	50,400.00
6170110	SNUBBG&COIL TUBG SVC	0.00	300,000.00	0.00	300,000.00
6190100	TRCKG&HLL-SOLID&FLUID	9,000.00	0.00	0.00	9,000.00
6190110	TRUCKING&HAUL OF EQP	20,000.00	21,260.86	0.00	41,260.86
6200130	CONSULT-TECH&PROF SVC	121,000.00	64,750.00	0.00	185,750.00
6230120	SAFETY SERVICES	20,000.00	6,800.00	0.00	26,800.00
6300270	SOLIDS CONTROL SRVCS	27,000.00	0.00	0.00	27,000.00
6310120	STIMULATION SERVICES	0.00	3,261,000.00	0.00	3,261,000.00
6310200	CASING & TUBULAR SVC	53,000.00	0.00	0.00	53,000.00
6310250	CEMENTING SERVICES	149,000.00	0.00	0.00	149,000.00
6310270	CRANE SERVICES	0.00	2,200.00	0.00	2,200.00
6310280	DAYWORK COSTS	627,000.00	0.00	0.00	627,000.00
6310300	DIRECTIONAL SERVICES	204,000.00	0.00	0.00	204,000.00
6310310	DRILL BITS	94,000.00	0.00	0.00	94,000.00
6310330	DRILL&COMP FLUID&SVC	188,000.00	0.00	0.00	188,000.00
6310370	MOB & DEMOBILIZATION	246,000.00	0.00	0.00	246,000.00
6310380	OPEN HOLE EVALUATION	9,000.00	0.00	0.00	9,000.00
6310600	MISC PUMPING SERVICE	0.00	78,600.00	0.00	78,600.00
6320100	EQPMNT SVC-SRF RNTL	76,000.00	309,290.00	0.00	385,290.00
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
6520100	LEGAL FEES	7,500.00	0.00	0.00	7,500.00
6550110	MISCELLANEOUS SVC	19,000.00	19,694.00	0.00	38,694.00
6550120	OTHER ROUSTABOUT SER	0.00	40,065.80	0.00	40,065.80
6630110	CAPITAL OVERHEAD	13,000.00	17,500.00	0.00	30,500.00
6740340	TAXES OTHER	0.00	161,760.00	0.00	161,760.00

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.



AUG 09 2016



Authorization for Expenditure

AFE # XX-118998.01

Well Name: HERMAN 3_34-15N-8W 1HX

Cost Center Number: 1093525701

Legal Description: SECS 3_34-15N-8W

Revision: ☐

AFE Date: ~~08-22-2016~~

State: OK

County/Parish: KINGFISHER

7/8/16 SN

	Total Intangibles	2,426,500.00	4,803,272.26	0.00	7,229,772.26
--	-------------------	--------------	--------------	------	--------------

Code	Tangible Description	Drilling Costs	Completion Costs	Dry Hole Costs	Total Costs
6060180	ELEC & PWRLINE EQUIP	0.00	77,165.00	0.00	77,165.00
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
6300150	SEPARATOR EQUIPMENT	0.00	50,548.45	0.00	50,548.45
6300220	STORAGE VESSEL&TANKS	0.00	37,159.50	0.00	37,159.50
6300230	PUMPS - SURFACE	0.00	8,781.00	0.00	8,781.00
6310150	CASG-COND&DRIVE PIPE	17,500.00	0.00	0.00	17,500.00
6310220	CORROSION PROTCT EQP	0.00	19,800.00	0.00	19,800.00
6310420	TUBING & COMPONENTS	0.00	63,800.00	0.00	63,800.00
6310460	WELLHEAD EQUIPMENT	40,000.00	108,500.00	0.00	148,500.00
6310490	WELL TESTING EQUIP	0.00	164,395.00	0.00	164,395.00
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	498,000.00	0.00	0.00	498,000.00
6310580	CASING COMPONENTS	45,000.00	0.00	0.00	45,000.00
6320130	PAINT & COATING SERV	0.00	7,150.00	0.00	7,150.00
6320180	EQUIPMENT OTHER	0.00	39,548.30	0.00	39,548.30
6330100	PIPE,FIT,FLANG,CPLNG	0.00	112,583.64	0.00	112,583.64
	Total Tangibles	931,500.00	775,421.75	0.00	1,706,921.75

TOTAL ESTIMATED COST	3,358,000.00	5,578,694.01	0.00	8,936,694.01
----------------------	--------------	--------------	------	--------------

WORKING INTEREST OWNER APPROVAL

Company Name:

Signature:

Print Name:

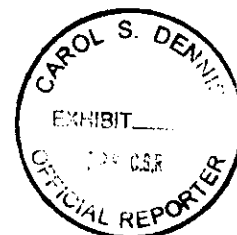
Title:

Date:

Email:

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

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.



AUG 09 2016