

MRO AUTHORIZATION FOR EXPENDITURE	
DETAIL OF ESTIMATED WELL CONSTRUCTION COSTS	
Well Name: <u>ML170016N05W01H</u>	Date: <u>11/2/2016</u>
County: <u>KINGFISHER</u>	AFE #: <u>DX.16.41465</u>
Formation: <u>MISS LIME</u>	MD: <u>11,500</u>
	Costs
DRILLING COSTS - TANGIBLE	
Surface Casing	\$52,220
Intermediate Casing	\$0
Production Casing	\$133,170
Wellhead Equip & Csg Access	\$105,000
TOTAL DRILLING COSTS - TANGIBLE	\$290,390
DRILLING COSTS - INTANGIBLE	
Location and Access	\$345,500
Rig Move	\$139,500
Drilling Rig	\$574,250
Directional Services	\$101,460
Mud Fluids & Services	\$142,500
Solids Control	\$16,055
Bits	\$72,000
Casing Crew and Services	\$33,250
Cementing Service	\$61,750
Rental Equipment	\$51,300
Fuel	\$152,000
Water & Water Services	\$47,200
Logging Services	\$21,000
Inspection Services	\$9,500
Contract Labor	\$28,500
Freight	\$14,250
Misc Materials & Equipment	\$76,000
Telecom Services	\$8,123
Supervision & Overhead	\$143,400
HES Equip & Service	\$29,950
Air Drilling Services	\$0
Coring & Analysis	\$0
Contingency	\$86,599
TOTAL DRILLING COSTS - INTANGIBLE	\$2,154,087
TOTAL DRY HOLE COSTS	\$2,124,007
TOTAL DRILLING COSTS	\$2,444,477
COMPLETION COSTS - TANGIBLE	
Tubing & Accessories	\$83,200
Artificial Lift	\$12,000
Wellhead Equipment	\$27,800
TOTAL COMPLETION COSTS - TANGIBLE	\$123,000
COMPLETION COSTS - INTANGIBLE	
Location and Access	\$7,500
Completion Rig	\$30,000
Coiled Tubing	\$100,000
Rental Equipment	\$159,670
Snubbing	\$0
Pulling/Swab Units	\$0
Fuel	\$0
Casing Crews	\$0
Cement	\$0
Well Testing /Flowback	\$99,000
Fracturing Services	\$1,610,000
Acidizing and N2 Services	\$0
Perforating and Wireline Services	\$155,600
Cased Hole Logging	\$0
Comp Fluids & Services	\$142,500
Water & Water Services	\$198,500
Freight	\$15,000
Inspection Services	\$4,000
Misc Materials & Equip	\$5,500
Frac Plugs	\$34,000
Contract Labor	\$27,000
Telecom Services	\$5,000
HES Equip & Service	\$152,500
Supervision & Overhead	\$148,600
Tracers	\$0
Surface Facilities	\$385,700
Contingency	\$15,000
TOTAL COMPLETION COSTS - INTANGIBLE	\$3,295,070
TOTAL COMPLETION COSTS	\$3,418,070
TOTAL WELL COSTS	\$5,862,547

SIGNATURE: _____

PRINTED NAME: _____

TITLE: _____



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 any way to limit a participant's responsibility to pay its proportionate share of all costs and expenses incurred in connection with the referenced operations.

NOV 07 2016