

MRO AUTHORIZATION FOR EXPENDITURE	
DETAIL OF ESTIMATED WELL CONSTRUCTION COSTS	
Well Name: <u>Oppel BIA 1609 1-21-28MXH</u>	Date: <u>10/19/2016</u>
County: <u>KINGFISHER</u>	AFE #: <u>DX.16.41466</u>
Formation: <u>MISS LIME</u>	MD: <u>20,000</u>
	Costs
<b>DRILLING COSTS - TANGIBLE</b>	
Surface Casing	\$39,165
Intermediate Casing	\$221,350
Production Casing	\$231,600
Wellhead Equip & Csg Access	\$148,000
<b>TOTAL DRILLING COSTS - TANGIBLE</b>	<b>\$640,115</b>
<b>DRILLING COSTS - INTANGIBLE</b>	
Location and Access	\$300,500
Rig Move	\$130,000
Drilling Rig	\$825,000
Directional Services	\$170,000
Mud Fluids & Services	\$150,000
Solids Control	\$19,950
Bits	\$72,000
Casing Crew and Services	\$28,500
Cementing Service	\$85,000
Rental Equipment	\$174,000
Fuel	\$94,500
Water & Water Services	\$98,000
Logging Services	\$27,900
Inspection Services	\$20,000
Contract Labor	\$60,000
Freight	\$40,000
Misc Materials & Equipment	\$30,000
Telecom Services	\$4,500
Supervision & Overhead	\$165,000
HES Equip & Service	\$25,800
Air Drilling Services	\$0
Coring & Analysis	\$0
Contingency	\$110,000
<b>TOTAL DRILLING COSTS - INTANGIBLE</b>	<b>\$2,630,650</b>
<b>TOTAL DRY HOLE COSTS</b>	<b>\$2,867,785</b>
<b>TOTAL DRILLING COSTS</b>	<b>\$3,270,765</b>
<b>COMPLETION COSTS - TANGIBLE</b>	
Tubing & Accessories	\$66,700
Artificial Lift	\$12,000
Wellhead Equipment	\$27,800
<b>TOTAL COMPLETION COSTS - TANGIBLE</b>	<b>\$106,500</b>
<b>COMPLETION COSTS - INTANGIBLE</b>	
Location and Access	\$7,500
Completion Rig	\$25,000
Coiled Tubing	\$150,000
Rental Equipment	\$249,200
Snubbing	\$0
Pulling/Swab Units	\$0
Fuel	\$0
Casing Crews	\$0
Cement	\$0
Well Testing /Flowback	\$91,500
Fracturing Services	\$3,249,000
Acidizing and N2 Services	\$0
Perforating and Wireline Services	\$227,250
Cased Hole Logging	\$17,000
Comp Fluids & Services	\$317,420
Water & Water Services	\$417,490
Freight	\$22,000
Inspection Services	\$4,000
Misc Materials & Equip	\$5,500
Frac Plugs	\$122,800
Contract Labor	\$49,500
Telecom Services	\$0
HES Equip & Service	\$207,000
Supervision & Overhead	\$201,900
Tracers	\$20,000
Surface Facilities	\$427,700
Contingency	\$0
<b>TOTAL COMPLETION COSTS - INTANGIBLE</b>	<b>\$5,811,760</b>
<b>TOTAL COMPLETION COSTS</b>	<b>\$5,918,260</b>
<b>TOTAL WELL COSTS</b>	<b>\$9,189,025</b>

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 08 2016