AUTHORIZATION FOR EXPENDITURE DETAIL OF ESTIMATED WELL CONSTRUCTION COSTS Date: 10/6/2016 Well Name: Alta BIA 1511 1-31-6XH
County: BLAINE AFE #: DX.16.40479 Formation: MISS LIME MD: 19,708 DRILLING COSTS - TANGIBLE Surface Casing \$231,276 Intermediate Casing Production Casing \$300,791 \$72,000 Wellhead Equip & Csg Access \$656,287 **TOTAL DRILLING COSTS - TANGIBLE** DRILLING COSTS - INTANGIBLE \$302,000 Location and Access Rig Move \$1,210,000 Drilling Rig \$280,000 Directional Services \$210,000 Mud Fluids & Services \$38,500 Solids Control \$110,000 Bits \$47,500 Casing Crew and Services \$92,000 Cementing Service \$246,400 Rental Equipment \$220,000 Fuel \$61,500 Water & Water Services \$41,000 Logging Services \$14,250 Inspection Services \$38,000 Contract Labor \$19,000 Freight \$220,000 Misc Materials & Equipment \$19,800 **Telecom Services** \$233,400 Supervision & Overhead \$46,200 HES Equip & Service \$0 Air Drilling Services \$0 Coring & Analysis \$164,828 Contingency **TOTAL DRILLING COSTS - INTANGIBLE** \$3,753,378 \$3,871,073 TOTAL DRY HOLE COSTS \$4,409,664 TOTAL DRILLING COSTS COMPLETION COSTS - TANGIBLE \$74,690 Tubing & Accessories \$15,000 Artificial Lift \$27,450 Wellhead Equipm TOTAL COMPLETION COSTS - TANGIBLE \$117,140 COMPLETION COSTS - INTANGIBLE \$7,500 Location and Access Completion Rlg \$150,000 Coiled Tubing Rental Equipment \$337,084 \$0 Snubbing \$6,000 Pulling/Swab Units \$0 Fuel \$0 Casing Crews \$0 Cement 582,425 Well Testing / Flowback Fracturing Services \$2,751,250 Acidizing and N2 Services \$159,800 Perforating and Wireline Services \$7,500 Cased Hole Logging \$195,807 Comp Fluids & Services Water & Water Services 5309,211 \$15,000 Freight Inspection Services \$4,500 \$10,000 Misc Materials & Equip \$47,600 Frac Plugs \$52,500

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\$19,000 \$176,255

\$156,100

\$385,000 \$0

\$4,895,332 \$5,012,472

\$9,422,136

\$0

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 respresentation 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.

TOTAL COMPLETION COSTS

TOTAL WELL COSTS

Contract Labor Telecom Services

Tracers Surface Facilities

Contingency

HES Equip & Service

Supervision & Overhead

TOTAL COMPLETION COSTS - INTANGIBLE