

MRO AUTHORIZATION FOR EXPENDITURE		CD No. 201702955
DETAIL OF ESTIMATED WELL CONSTRUCTION COSTS		
Well Name: <u>HEAP OF HAIR BIA 1-14H</u>	Date: <u>5/16/2017</u>	
County: <u>CANADIAN</u>	AFE #: <u>DX.16.41449</u>	
Formation: <u>MISS LIME</u>	MD: <u>16,000</u>	
		Costs
<b>DRILLING COSTS - TANGIBLE</b>		
Surface Casing		\$39,165
Intermediate Casing		\$221,350
Production Casing		\$185,280
Wellhead Equip & Csg Access		\$128,000
<b>TOTAL DRILLING COSTS - TANGIBLE</b>		<b>\$573,795</b>
<b>DRILLING COSTS - INTANGIBLE</b>		
Location and Access		\$350,500
Rig Move		\$130,000
Drilling Rig		\$424,050
Directional Services		\$170,000
Mud Fluids & Services		\$150,000
Solids Control		\$18,445
Bits		\$72,000
Casing Crew and Services		\$28,500
Cementing Service		\$85,000
Rental Equipment		\$149,060
Fuel		\$80,955
Water & Water Services		\$98,000
Logging Services		\$23,600
Inspection Services		\$20,000
Contract Labor		\$60,000
Freight		\$40,000
Misc Materials & Equipment		\$25,700
Telecom Services		\$3,855
Supervision & Overhead		\$152,100
HES Equip & Service		\$22,102
Air Drilling Services		\$0
Coring & Analysis		\$0
Contingency		\$90,000
<b>TOTAL DRILLING COSTS - INTANGIBLE</b>		<b>\$2,193,867</b>
<b>TOTAL DRY HOLE COSTS</b>		<b>\$2,452,840</b>
<b>TOTAL DRILLING COSTS</b>		<b>\$2,767,662</b>
<b>COMPLETION COSTS - TANGIBLE</b>		
Tubing & Accessories		\$75,190
Artificial Lift		\$12,000
Wellhead Equipment		\$27,800
<b>TOTAL COMPLETION COSTS - TANGIBLE</b>		<b>\$114,990</b>
<b>COMPLETION COSTS - INTANGIBLE</b>		
Location and Access		\$7,500
Completion Rig		\$25,000
Coiled Tubing		\$100,000
Rental Equipment		\$156,700
Snubbing		\$0
Pulling/Swab Units		\$0
Fuel		\$0
Casing Crews		\$0
Cement		\$0
Well Testing /Flowback		\$79,500
Fracturing Services		\$1,516,200
Acidizing and N2 Services		\$0
Perforating and Wireline Services		\$107,250
Cased Hole Logging		\$17,000
Comp Fluids & Services		\$147,836
Water & Water Services		\$217,962
Freight		\$22,000
Inspection Services		\$4,000
Misc Materials & Equip		\$5,500
Frac Plugs		\$32,400
Contract Labor		\$49,500
Telecom Services		\$0
HES Equip & Service		\$154,000
Supervision & Overhead		\$159,800
Tracers		\$0
Surface Facilities		\$397,200
Contingency		\$0
<b>TOTAL COMPLETION COSTS - INTANGIBLE</b>		<b>\$3,196,408</b>
<b>TOTAL COMPLETION COSTS</b>		<b>\$3,311,398</b>
<b>TOTAL WELL COSTS</b>		<b>\$6,079,060</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.



JUN 13 2017