

MRO AUTHORIZATION FOR EXPENDITURE	
DETAIL OF ESTIMATED WELL CONSTRUCTION COSTS	
Well Name: IVA O MCCABE 1409 1-3-34WXH	Date: 6/26/2017
County: CANADIAN	APE #: DX.17.42989
Formation: WOODFORD	MD: 20,500
	Costs
DRILLING COSTS - TANGIBLE	
Surface Casing	\$39,165
Intermediate Casing	\$174,750
Production Casing	\$237,390
Wellhead Equip & Csg Access	\$148,000
TOTAL DRILLING COSTS - TANGIBLE	\$599,305
DRILLING COSTS - INTANGIBLE	
Location and Access	\$416,500
Rig Move	\$130,000
Drilling Rig	\$495,000
Directional Services	\$170,000
Mud Fluids & Services	\$150,000
Splices Control	\$19,950
Bits	\$96,000
Casing Crew and Services	\$28,500
Cementing Service	\$85,000
Rental Equipment	\$174,000
Fuel	\$94,500
Water & Water Services	\$120,500
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	\$95,000
TOTAL DRILLING COSTS - INTANGIBLE	\$2,448,150
TOTAL DRY HOLE COSTS	\$2,680,523
TOTAL DRILLING COSTS	\$3,047,455
COMPLETION COSTS - TANGIBLE	
Tubing & Accessories	\$56,050
Artificial Lift	\$12,000
Wellhead Equipment	\$27,800
TOTAL COMPLETION COSTS - TANGIBLE	\$95,850
COMPLETION COSTS - INTANGIBLE	
Location and Access	\$7,500
Completion Rig	\$20,000
Coiled Tubing	\$150,000
Rental Equipment	\$241,400
Snubbing	\$0
Pulling/Swab Units	\$0
Fuel	\$0
Casing Crews	\$0
Cement	\$0
Well Testing /Flowback	\$88,500
Fracturing Services	\$3,890,000
Acidizing and N2 Services	\$0
Perforating and Wireline Services	\$227,250
Cased Hole Logging	\$3,750
Comp Fluids & Services	\$317,420
Water & Water Services	\$434,010
Freight	\$15,000
Inspection Services	\$4,000
Misc Materials & Equip	\$5,500
Frac Plugs	\$108,100
Contract Labor	\$49,500
Telecom Services	\$0
HES Equip & Service	\$142,500
Supervision & Overhead	\$144,600
Tracers	\$0
Surface Facilities	\$401,700
Contingency	\$0
TOTAL COMPLETION COSTS - INTANGIBLE	\$6,250,730
TOTAL COMPLETION COSTS	\$6,346,580
TOTAL WELL COSTS	\$9,394,035

SIGNATURE:

PRINTED NAME:

TITLE:

JUL 06 2017

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.

2