

CD# 201700019 Marathon Oil Company

MRO AUTHORIZATION FOR EXPENDITURE

DETAIL OF ESTIMATED WELL CONSTRUCTION COSTS

Well Name: FISHER BIA 1511 1-28-33MXH
County: BLAINE
Formation: MISS LIME

Date: 3/1/2017
AFE #: DX-16.41986
MD: 21,500

Costs

DRILLING COSTS - TANGIBLE	
Surface Casing	\$39,165
Intermediate Casing	\$221,815
Production Casing	\$248,970
Wellhead Equip & Csg Access	\$148,000
TOTAL DRILLING COSTS - TANGIBLE	\$657,951
DRILLING COSTS - INTANGIBLE	
Location and Access	\$416,500
Rig Move	\$90,000
Drilling Rig	\$495,000
Directional Services	\$170,000
Mud Fluids & Services	\$175,000
Solids Control	\$19,950
Bits	\$98,000
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	\$80,000
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	\$85,333
TOTAL DRILLING COSTS - INTANGIBLE	\$2,434,483
TOTAL DRY HOLE COSTS	\$2,705,084
TOTAL DRILLING COSTS	\$3,092,434
COMPLETION COSTS - TANGIBLE	
Tubing & Accessories	\$66,750
Artificial Lift	\$12,000
Wellhead Equipment	\$27,800
TOTAL COMPLETION COSTS - TANGIBLE	\$106,550
COMPLETION COSTS - INTANGIBLE	
Location and Access	\$7,500
Completion Rig	\$20,000
Coiled Tubing	\$150,000
Rental Equipment	\$177,049
Snubbing	\$0
Pulling/Swab Units	\$0
Fuel	\$0
Casing Crews	\$0
Cement	\$0
Well Testing /Flowback	\$117,490
Fracturing Services	\$4,196,500
Acidizing and N2 Services	\$0
Perforating and Wireline Services	\$264,750
Cased Hole Logging	\$8,750
Comp Fluids & Services	\$127,500
Water & Water Services	\$335,000
Freight	\$15,000
Inspection Services	\$4,000
Misc Materials & Equip	\$5,500
Frac Plugs	\$134,800
Contract Labor	\$49,500
Telecom Services	\$0
HES Equip & Service	\$132,096
Supervision & Overhead	\$139,000
Tracers	\$20,000
Surface Facilities	\$377,700
Contingency	\$0
TOTAL COMPLETION COSTS - INTANGIBLE	\$6,278,075
TOTAL COMPLETION COSTS	\$6,384,625
TOTAL WELL COSTS	\$9,477,059

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.



APR 14 2017