

CD# 201700977 Marathon Oil Company

MRO AUTHORIZATION FOR EXPENDITURE

DETAIL OF ESTIMATED WELL CONSTRUCTION COSTS

Well Name: LANDRETH BIA 1-14H
County: BLAINE
Formation: MISS LIME

Date: 3/6/2017
AFE #: DX.16.40593
MD: 16,000

Costs

DRILLING COSTS - TANGIBLE	
Surface Casing	\$39,165
Intermediate Casing	\$221,350
Production Casing	\$185,280
Wellhead Equip & Csg Access	\$128,000
TOTAL DRILLING COSTS - TANGIBLE	\$573,795
DRILLING COSTS - INTANGIBLE	
Location and Access	\$350,500
Rig Move	\$130,000
Drilling Rig	\$379,500
Directional Services	\$170,000
Mud Fluids & Services	\$150,000
Solids Control	\$17,500
Bits	\$72,000
Casing Crew and Services	\$28,500
Cementing Service	\$85,000
Rental Equipment	\$133,400
Fuel	\$72,450
Water & Water Services	\$98,000
Logging Services	\$20,900
Inspection Services	\$20,000
Contract Labor	\$60,000
Freight	\$40,000
Misc Materials & Equipment	\$23,000
Telecom Services	\$3,450
Supervision & Overhead	\$144,000
HES Equip & Service	\$19,780
Air Drilling Services	\$0
Coring & Analysis	\$0
Contingency	\$85,000
TOTAL DRILLING COSTS - INTANGIBLE	\$2,102,980
TOTAL DRY HOLE COSTS	\$2,361,953
TOTAL DRILLING COSTS	\$2,676,775
COMPLETION COSTS - TANGIBLE	
Tubing & Accessories	\$64,730
Artificial Lift	\$12,000
Wellhead Equipment	\$27,800
TOTAL COMPLETION COSTS - TANGIBLE	\$104,530
COMPLETION COSTS - INTANGIBLE	
Location and Access	\$7,500
Completion Rig	\$20,000
Coiled Tubing	\$100,000
Rental Equipment	\$148,700
Snubbing	\$0
Pulling/Swab Units	\$0
Fuel	\$0
Casing Crews	\$0
Cement	\$0
Well Testing /Flowback	\$78,000
Fracturing Services	\$1,516,200
Acidizing and N2 Services	\$0
Perforating and Wireline Services	\$107,250
Cased Hole Logging	\$3,750
Comp Fluids & Services	\$147,896
Water & Water Services	\$229,776
Freight	\$15,000
Inspection Services	\$4,000
Misc Materials & Equip	\$5,500
Frac Plugs	\$24,300
Contract Labor	\$49,500
Telecom Services	\$0
HES Equip & Service	\$73,500
Supervision & Overhead	\$108,500
Tracers	\$0
Surface Facilities	\$397,200
Contingency	\$0
TOTAL COMPLETION COSTS - INTANGIBLE	\$3,036,572
TOTAL COMPLETION COSTS	\$3,141,102
TOTAL WELL COSTS	\$5,817,877

SIGNATURE: _____

PRINTED NAME: _____

TITLE: _____

MAR 07 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.