Marathon Oil Company CD: 201	506079
MRO AUTHORIZATION FOR EXPENDITURE DETAIL OF ESTIMATED WELL CONSTRUCTION COSTS	
Well Name: Chapman 1-26XH Date: 4/11/2016	
County: BLAINE AFE #: 0 Formation: MISS LIME MD: 21,173	
LOUINGTON INITS CHAIC	Costs
DRILLING COSTS - TANGIBLE	
Surface Casing	\$39,165
Intermediate Casing	\$209,700
Production Casing	\$289,647
Wellhead Equip & Csg Access TOTAL DRILLING COSTS - TANGIBLE	\$72,000 \$ 610,512
DRILLING COSTS - INTANGIBLE	3010,31X
Location and Access	\$342,000
Rig Move	\$139,500
Orilling Rig	\$818,250
Directional Services	\$168,400
Mud Fluids & Services	\$190,000
Solids Control	\$24,100
Bits	\$99,000
Casing Crew and Services	\$47,000 \$108,250
Cementing Service Rental Equipment	\$108,250
Rental Equipment	\$135,000
Water & Water Services	\$61,500
Logging Services	\$29,000
Inspection Services	\$14,250
Contract Labor	\$38,000
Freight	\$19,000
Misc Materials & Equipment	\$114,000
Telecom Services	\$11,543
Supervision & Overhead	\$172,200
HES Equip & Service Air Drilling Services	\$28,350 \$0
Coring & Analysis	\$0
Contingency	\$115,417
TOTAL DRILLING COSTS - INTANGIBLE	\$2,755,760
TOTAL DRY HOLE COSTS	\$2,827,225
TOTAL DRILLING COSTS	\$3,366,271
COMPLETION COSTS - TANGIBLE	\$3,500,E71
Tubing & Accessories	\$74,690
Artificial Lift	\$15,000
Weilhead Equipment	\$27,450
TOTAL COMPLETION COSTS - TANGIBLE	\$117,140
COMPLETION COSTS - INTANGIBLE /	
Location and Access	\$7,500
Completion Rig	\$22,800
Completion Rig Coiled Tubing	\$22,800 \$150,000
Completion Rig Coiled Tubing Rental Equipment	\$22,800 \$150,000 \$342,564
Completion Rig Coiled Tubing Rental Equipment Snubbing	\$22,800 \$150,000 \$342,564 \$0
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units	\$22,800 \$150,000 \$342,564 \$0 \$6,000
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Additing and N2 Services	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$0 \$79,775 \$3,206,200
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Additing and N2 Services Perforating and Wireline Services	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$79,725 \$3,206,200 \$0 \$188,000
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Acidizing and NZ Services Perforating and Wireline Services Cased Hole Logging	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$79,725 \$3,206,200 \$50 \$188,000
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crevs Cament Well Testing /Flowback Fracturing Services Acidizing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$79,725 \$3,206,200 \$0 \$188,000 \$8,000 \$200,595
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Additing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Piulids & Services Comp Comp Piulids & Services Comp Pulids & Services Comp Pulids & Services Comp Piulids & Services Comp Piulids & Services Comp Piulids & Services Comp Piulids & Services	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$0 \$79,7725 \$3,206,200 \$0 \$188,000 \$8,000 \$200,595 \$376,795
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Addizing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Water & Water Services Freight	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$79,725 \$3,206,200 \$0 \$188,000 \$200,595 \$375,795 \$313,950
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Additing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Piulids & Services Comp Comp Piulids & Services Comp Pulids & Services Comp Pulids & Services Comp Piulids & Services Comp Piulids & Services Comp Piulids & Services Comp Piulids & Services	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$0 \$79,7725 \$3,206,200 \$0 \$188,000 \$8,000 \$200,595 \$376,795
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cament Well Testing /Flowback Fracturing Services Acidizing and N2 Services Perforating and Wireline Services Cased Nole Logging Comp Fluids & Services Water & Water Services Water & Water Services Freight Inspection Services	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$79,725 \$3,206,200 \$0 \$138,000 \$80,000 \$200,595 \$376,795 \$134,500
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cament Well Testing /Flowback Fracturing Services Acidizing and N2 Services Perforating and Wireline Services Cased Nole Logging Comp Fluids & Services Water & Water Services Water & Water Services Freight Inspection Services Misc Materials & Equip Frac Plugs Contract Labor	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$79,725 \$3,206,200 \$0 \$188,000 \$200,595 \$376,795 \$13,950 \$14,500 \$0 \$14,500
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Weil Testing /Flowback Fracturing Services Additing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Water & Water Services Freight Inspection Services Inspection Services Misc Materials & Equip Frac Plugs Contract Labor Telecom Services	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$79,775 \$3,206,200 \$0 \$188,000 \$188,000 \$200,595 \$376,795 \$13,950 \$14,500 \$0 \$107,000 \$52,250 \$19,000
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Weil Testing /Flowback Fracturing Services Additing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Water & Water Services Freight Inspection Services Misc Materials & Equip Frac Plugs Contract Labor Telecom Services HES Equip & Services HES Equip & Service	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$79,7725 \$3,206,200 \$188,000 \$200,595 \$375,795 \$13,950 \$14,500 \$0 \$10,000 \$50,000 \$200,595 \$376,795 \$14,500 \$14,500 \$50,000 \$50,000 \$50,000 \$14,500 \$50,000 \$50,000 \$50,000 \$50,000 \$14,500 \$50,0
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Addizing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Water & Water Services Freight Inspection Services Misc Materials & Equip Frac Plugs Contract Labor Telecom Services H15 Equip & Service H15 Equip & Service Supervision & Overhead	\$22,800 \$150,000 \$342,564 \$50 \$6,000 \$0 \$0 \$0 \$50 \$79,725 \$3,206,200 \$8,000 \$188,000 \$200,595 \$376,795 \$13,950 \$14,500 \$10,000 \$52,250 \$19,000 \$52,250 \$19,000 \$52,250 \$19,000 \$52,250 \$19,000 \$52,250 \$19,000 \$52,250 \$11,500
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Weil Testing /Flowback Fracturing Services Acidizing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Water & Water Services Fracturing Services Cased Hole Logging Comp Fluids & Services Water & Water Services Freight Inspection Services Misc Materials & Equip Frac Plugs Contract Labor Telecom Services HES Equip & Service Supervision & Overhead Tracers	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$79,725 \$3,206,200 \$0 \$188,000 \$200,595 \$376,795 \$13,950 \$14,500 \$0 \$107,000 \$519,000 \$211,500 \$211,500 \$169,400
Conted Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cament Well Testing /Flowback Fracturing Services Addizing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Water & Water Services Freight Inspection Services Misc Materials & Equip Frac Plugs Contract Labor Telecom Services HES Equip & Service HES Equip & Service Supervision & Overhead	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$0 \$79,7725 \$3,206,200 \$188,000 \$200,595 \$376,795 \$13,950 \$14,500 \$5,000 \$20,595 \$14,500 \$5,000 \$20,595 \$13,950 \$14,500 \$107,000 \$52,250 \$19,000 \$211,500 \$211,500 \$211,500 \$211,500
Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Addizing and NZ Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Water & Water Services Fright Inspection Services Misc Materials & Equip Frac Plugs Contract Labor Telecom Services HES Equip & Services Supervision & Overhead Tracers Surface Facilities	\$22,800 \$150,000 \$342,564 \$50 \$6,000 \$542,564 \$50 \$6,000 \$50 \$50 \$50 \$50 \$579,725 \$3,206,200 \$50 \$5188,000 \$5188,000 \$220,595 \$376,795 \$13,950 \$11,500 \$51,500 \$51,500 \$51,500 \$51,500 \$51,500 \$51,500 \$51,500 \$51,500 \$51,500 \$51,500 \$51,500 \$51,500
Congletion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Acidizing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Water & Water Services Fright Inspection Services Misc Materials & Equip Frac Plugs Contract Labor Telecom Services HES Equip & Service Suprevision & Overhead Tracers Surface Facilities Contingency	\$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$0 \$3,206,200 \$3,206,200 \$188,000 \$200,595 \$3,75,795 \$13,950 \$14,500 \$5,14,500 \$5,14,500 \$5,14,500 \$5,14,500 \$1

EXHIBIT C.S.R. C

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