MRO AUTHORIZATION FOR EXPENDITURE	722
DETAIL OF ESTIMATED WELL CONSTRUCTION COSTS	
Well Name: Strack 1-2-11XH Date: 6/17/2016 County: BLAINE AFE #: 0 Formation: MISS LIME MD: 20,171 Cos Cos	
County: BLAINE AFE #: 0 Formation: MISS LIME MD: 20,171 Cos Cos	
Cos	
DRILLING COSTS - TANGIBLE	sts
Surface Casing	\$39,165
Intermediate Casing Production Casing	\$199,099
Wellhead Equip & Csg Access	\$275,939 \$72,000
	586,203
DRILLING COSTS - INTANGIBLE	****
Location and Access Rig Move	\$186,500 \$139,500
Drilling Rig	\$883,750
Directional Services	\$170,000
Mud Fluids & Services Solids Control	\$190,000 \$28,600
Bits	\$112,000
Casing Crew and Services	\$47,500
Cementing Service Rental Equipment	\$108,250
Fuel	\$153,200 \$160,000
Water & Water Services	\$61,500
Logging Services	\$34,000
Inspection Services Contract Labor	\$14,250 \$38,000
Freight	\$19,000
Misc Materials & Equipment	\$137,750
Telecom Services Supervision & Overhead	\$13,680 \$190,200
HES Equip & Service	J130,200
nes equip & service	\$33,600
Air Drilling Services	\$0
Air Drilling Services Coring & Analysis	\$0 \$0
Air Drilling Services Coring & Analysis Contingency	\$0 \$0 \$127,239
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE \$2,8	\$0 \$0 \$127,239 848,519
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE \$2,8 TOTAL DRY HOLE COSTS \$2,9	\$0 \$0 \$127,239
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE \$2,8 TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE \$3,4	\$0 \$0 \$127,239 848,519 910,983
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE \$2,8 TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE TUDING & Accessories	\$0 \$0 \$127,239 848,519 910,983 434,722 \$74,690
Air Drilling Services	\$0 \$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE \$1	\$0 \$0 \$127,239 848,519 910,983 434,722 \$74,690
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE \$1 COMPLETION COSTS - INTANGIBLE \$1 COMPLETION COSTS - INTANGIBLE	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE S2,8 TOTAL DRY HOLE COSTS TOTAL DRILLING COSTS S3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE S1 COMPLETION COSTS - INTANGIBLE Location and Access	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE COMPLETION COSTS - INTANGIBLE Location and Access Completion Rig Coiled Tubing Coiled Tubing	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140
Air Drilling Services Coring & Analysis Contingency TOTAL ORILLING COSTS - INTANGIBLE TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE S1 COMPLETION COSTS - INTANGIBLE Uccation and Access Completion Rig Coiled Tubing Rental Equipment	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$22,800 \$342,564
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE COMPLETION COSTS - INTANGIBLE Location and Access Completion Rig Coiled Tubing Coiled Tubing	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$22,800 \$150,000 \$342,564 \$0
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE \$2,8 TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS - \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE \$1 COMPLETION COSTS - INTANGIBLE Location and Access Completion Rig Coiled Tubing Rental Equipment Snubbing	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$22,800 \$342,564
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE \$1 COMPLETION COSTS - INTANGIBLE Location and Access Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews	\$0 \$127,239 \$488,519 9910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$22,800 \$150,000 \$342,564 \$0 \$6,000 \$50
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE S2,8 TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE Location and Access Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$22,800 \$150,000 \$342,564 \$0 \$5,000 \$5
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE \$1 COMPLETION COSTS - INTANGIBLE Location and Access Completion Rig Coiled Tubing Rental Equipment Shubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services \$5	\$0 \$127,239 \$488,519 9910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$22,800 \$150,000 \$342,564 \$0 \$6,000 \$50
Air Drilling Services Coring & Analysis Contingency TOTAL ORILLING COSTS - INTANGIBLE S2,8 TOTAL DRY HOLE COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE Location and Access Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Fiowback Fracturing Services \$5	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$22,800 \$150,000 \$342,564 \$0 \$6,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0
Air Drilling Services Coring & Analysis Contingency TOTAL ORILLING COSTS - INTANGIBLE S2,8 TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - INTANGIBLE Location and Access Completion Rig Coiled Tubing Rental Equipment Sunubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Acticizing and NZ Services Perforating and NZ Services	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$22,800 \$150,000 \$342,564 \$0 \$0 \$0 \$0 \$0 \$15,000 \$1
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE Location and Access Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Acidizing and N2 Services Acidizing and N2 Services Acidizing and N2 Services Acidizing and Wireline Services Cased Hole Logging	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$15,000 \$27,450 117,140 \$7,500 \$342,564 \$0 \$0 \$0 \$0 \$0 \$15,000 \$150,000 \$342,564 \$0 \$0 \$0 \$0 \$150,000 \$15
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE Location and Access Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Fracturing Services Perforating and N2 Services Perforating and Wireline Services Completed and Wireline Services Water & Water Services Water & Water Services	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 \$117,140 \$7,500 \$22,800 \$150,000 \$342,564 \$0 \$0 \$0 \$7,725 \$0 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$2,819,250 \$0 \$150,000 \$2,819,250 \$2,
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE Location and Access Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Tusting /Flowback Fracturing Services Acidizing and NY Services Acidizing and NY Services Cased Hole Logging Comp Fluids & Services Cased Hole Logging Comp Fluids & Services Cased Hole Logging Comp Fluids & Services Caregist Water & Water Services Freight Water & Water Services Freight	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$342,564 \$0 \$0 \$0 \$0 \$0 \$150,000 \$150,000 \$342,564 \$0 \$0 \$0 \$150,000 \$150
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRILLING COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE Location and Access Completion Rig Coiled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Acticizing and N2 Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Freight Inspection Services Materials & Equipme	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 \$117,140 \$7,500 \$22,800 \$150,000 \$342,564 \$0 \$0 \$0 \$7,725 \$0 \$150,000 \$150,000 \$150,000 \$150,000 \$150,000 \$2,819,250 \$0 \$150,000 \$2,819,250 \$2,
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE \$2,8 TOTAL DRILLING COSTS - S2,9 TOTAL DRILLING COSTS - S3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE COMPLETION COSTS - INTANGIBLE Location and Access Completion COSTS - INTANGIBLE Location and Access Completion Rig Colled Tubing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Grews Cement Well Testing /Flowback Fracturing Services Acidizing and N2 Services Acidizing and N2 Services Acidizing and N2 Services Vater & Water Services Water & Water Services Miss Materials & Equip Frac Plugs Miss Materials & Equip Frac Plugs Miss Materials & Equip Frac Plugs	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$32,800 \$150,000 \$342,564 \$0 \$0 \$0 \$0 \$15,000 \$15,0
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE \$2,8 TOTAL DRY HOLE COSTS \$3,4 TOTAL DRILLING COSTS - \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE COMPLETION COSTS - INTANGIBLE Location and Access Completion Rig Conjection Rig Conjection Rig Rental Equipment Snubbing Rental Equipment Snubbing Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Fracturing Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Perforating and Wireline Services Fragility Water & Water Services Fright Inspection Services Fright Inspection Services Misc Materials & Equip Frac Plays Contract Labor	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$15,000 \$27,450 117,140 \$7,500 \$342,564 \$0 \$0 \$0 \$0 \$0 \$7,725 \$2,800 \$150,000 \$342,564 \$0 \$0 \$150,000 \$150,000 \$10,000 \$10,000 \$10,000 \$10,000 \$13,950 \$13,950 \$4,500 \$13,950 \$13,950 \$13,950 \$13,950 \$13,950 \$13,950 \$13,950 \$13,950 \$13,950 \$13,950 \$15,000 \$15,000 \$15,000 \$13,950 \$13,950 \$13,950 \$13,950 \$13,950 \$15,000 \$15,000 \$15,000 \$15,000 \$13,950 \$13,950 \$13,950 \$13,950 \$15,000 \$15,000 \$15,000 \$15,000 \$15,000 \$13,950 \$13,950 \$13,950 \$13,950 \$13,950 \$15,000 \$15,
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRILLING COSTS - S2,9 TOTAL DRILLING COSTS - \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE Completion COSTS - INTANGIBLE Location and Access Completion Rig Colled Tubing Rental Equipment Shubbing Pulling/Swab Units Fuel Casing Grews Cement Well Testing /Flowback Fracturing Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Perforating and Wireline Services Cased Hole Logging Comp Fluids & Services Water & Water Services Water & Water Services Miss Materials & Equip Frac Plags Contract Labor Tilecom Services Miss Materials & Equip Frac Plags Contract Labor Tilecom Services Miss Materials & Equip Frac Plags Contract Labor Tilecom Services Miss Materials & Equip Frac Plags Contract Labor Tilecom Services Miss Contract Labor Tilecom Services Miss Equip & Services Miss Contract Labor Tilecom Services Miss Equip & Miss E	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 117,140 \$7,500 \$32,800 \$150,000 \$342,564 \$0 \$0 \$0 \$0 \$15,000 \$15,0
Arr Deriling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE S2,8 TOTAL DRY HOLE COSTS \$2,9 TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE S1 COMPLETION COSTS - INTANGIBLE Location and Access Completion Rig Colied Tubing Rental Equipment Snubbing Pulling Swab Units Fuel Casing Grews Cerment Well Testing /Flowback Fracturing Services Perforating and Wireline Services S2 Gazed Hole Logging Comp Fluids & Services Marke & Water	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$15,000 \$27,450 \$150,000 \$342,564 \$0 \$0 \$0 \$0 \$0 \$150,000 \$150,000 \$342,564 \$0 \$0 \$150,000 \$150
Ar Driling Services Contingency TOTAL ORILLING COSTS - INTANGIBLE \$2,8 TOTAL DRY HOLE COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE 100 Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE 100 COMPLETION COSTS - INTANGIBLE 100 Colled Tubing Rental Equipment Shubbing Pulling/Swab Units Fuel Casing Grews Cement Well Testing / Flowback Fracturing Services Perforating and Wreline Services Perforating and Wreline Services Water & Water Ser	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$15,000 \$27,450 117,140 \$7,500 \$342,564 \$0 \$0 \$0 \$0 \$0 \$79,725 \$2,819,250 \$0 \$150,000 \$150,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$11,500 \$11
Air Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRILLING COSTS TOTAL DRILLING COSTS TOTAL DRILLING COSTS \$3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE Costation and Access Completion Rig Couled Tubing Rental Equipment Shubbing Pulling/Swab Units Fuel Casing Grews Cement Well Testing Friowback Fracturing Services Perforating and Wireline Services Perforating and Wireline Services Perforating and Wireline Services Water & Water Services Water & Water Services Miss Materials & Equipment Inspection Services Miss Materials & Equipment Miss M	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$15,000 \$27,450 \$150,000 \$342,564 \$0 \$0 \$0 \$0 \$0 \$150,000 \$30 \$150,000
ALT Drilling Services Coring & Analysis Contingency TOTAL DRILLING COSTS - INTANGIBLE TOTAL DRILLING COSTS - S.2,8 TOTAL DRILLING COSTS - \$.3,4 COMPLETION COSTS - TANGIBLE Tubing & Accessories Artificial Lift Wellhead Equipment TOTAL COMPLETION COSTS - TANGIBLE Societon and Access Completion Rig Colled Tubing Rental Equipment Societon and Access Completion Rig Colled Tubing Rental Equipment Shubbling Pulling/Swab Units Fuel Casing Crews Cement Well Testing /Flowback Fracturing Services Acciding and NY Services Perforating and Wireline Services Completion Services Freight Inspection Services Mater & Water Services Freight Inspection Services Miss Materials & Equipment Telecom Services Freight Miss Materials & Equipment Miss Materials & Equipment Miss Materials & Equipment Telecom Services Supray & Service Supervision & Overhead Tracers Surface Facilities Contringency TOTAL COMPLETION COSTS - INTANGIBLE \$5,2,2 TOTAL COMPLETION COSTS - INTANGIBLE \$5,2,2 TOTAL COMPLETION COSTS - INTANGIBLE \$5,2,2 TOTAL COMPLETION COSTS - INTANGIBLE \$5,2,5 TOTAL COMPLETION COSTS - INTANGIBLE	\$0 \$127,239 848,519 910,983 434,722 \$74,690 \$15,000 \$27,450 \$15,000 \$27,450 \$150,000 \$342,564 \$0 \$0 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$

SIGNATURE:		<u>.</u>	
PRINTED NAME:			
TITLE:			

JUN 2 0 2016