



Authority for Expenditure Drilling, Completion, Facilities

WELL NAME: Frank 1H-5X
AFE NO. 45553
RC NO. 500396755
Date: 7/22/2016

OPERATOR:	STATE	COUNTY	SECTION	TOWNSHIP	RANGE	PROPOSED TD
Newfield Exploration-Mid Continent	OK	CANADIAN	15	14N	6W	8700' TVD / 19,000' MD
DRILLING COMMENTS	COMPLETION COMMENTS				FACILITIES	
DETAIL OF ESTIMATED EXPENDITURES	COST CODE	DRILLING	COMPLETION	FACILITIES	ART. LIFT	TOTAL
INTANGIBLES						
Base / Field Office Operations	101	\$ 34,000.00	\$ 40,000.00	\$ -	\$ -	\$ 74,000.00
Cased Hole Electric Wireline	102	\$ -	\$ 325,000.00	\$ -	\$ -	\$ 325,000.00
Services - Casing Crews and Running Tools	103	\$ 36,500.00	\$ -	\$ -	\$ 6,000.00	\$ 42,500.00
Services Cementing/Coil Tubing Unit	105	\$ 124,140.00	\$ -	\$ -	\$ -	\$ 124,140.00
Communications	109	\$ 3,713.00	\$ -	\$ -	\$ -	\$ 3,713.00
Consultants	110	\$ 40,752.00	\$ 125,000.00	\$ -	\$ -	\$ 165,752.00
Core / Fluid Analysis	111	\$ -	\$ -	\$ -	\$ -	\$ -
Directional Drilling Operations	113	\$ 168,417.00	\$ -	\$ -	\$ -	\$ 168,417.00
Environmental & Safety Services	117	\$ 660.00	\$ 35,000.00	\$ -	\$ -	\$ 35,660.00
Fishing Services	119	\$ -	\$ -	\$ -	\$ -	\$ -
Fluids Disposal (includes transportation)	120	\$ 54,750.00	\$ 30,000.00	\$ -	\$ -	\$ 84,750.00
Services Formation Evaluation	121	\$ -	\$ -	\$ -	\$ -	\$ -
Formation Stimulation - Fracturing	122	\$ -	\$ 1,300,000.00	\$ -	\$ -	\$ 1,300,000.00
Formation Stimulation - Other	123	\$ -	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00
Hot Oiling Services	128	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Bottom Hole Assembly	129	\$ 5,000.00	\$ -	\$ -	\$ -	\$ 5,000.00
Inspection - Casing	130	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Drill Pipe	131	\$ 25,000.00	\$ -	\$ -	\$ -	\$ 25,000.00
Inspection - Site	132	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Tubing	133	\$ -	\$ -	\$ -	\$ -	\$ -
Installation / Removal - Pipeline	135	\$ -	\$ -	\$ -	\$ -	\$ -
Instrumentation	138	\$ -	\$ -	\$ -	\$ -	\$ -
Labor - Company Supervision	139	\$ -	\$ -	\$ -	\$ -	\$ -
Company Labor	140	\$ -	\$ -	\$ -	\$ 6,000.00	\$ 6,000.00
Labor - Contract Employees	141	\$ -	\$ -	\$ 49,000.00	\$ -	\$ 49,000.00
Location Preparation	143	\$ 60,000.00	\$ 10,000.00	\$ 15,000.00	\$ 1,000.00	\$ 86,000.00
Location Remediation & Maintenance	144	\$ 155,000.00	\$ -	\$ 2,000.00	\$ -	\$ 157,000.00
Services Miscellaneous	146	\$ -	\$ -	\$ -	\$ -	\$ -
Mud Logging Services	147	\$ 12,600.00	\$ -	\$ -	\$ -	\$ 12,600.00
Nitrogen Services	148	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling & Completion Rig Costs	150	\$ 238,003.00	\$ 10,000.00	\$ -	\$ 10,000.00	\$ 258,003.00
Drilling Well Turnkey Costs	152	\$ 69,000.00	\$ -	\$ -	\$ -	\$ 69,000.00
Rig Mobilization & De-Mobilization	153	\$ 72,500.00	\$ -	\$ -	\$ -	\$ 72,500.00
Security Services	154	\$ -	\$ -	\$ -	\$ -	\$ -
Slickline Services	155	\$ -	\$ -	\$ -	\$ 3,500.00	\$ 3,500.00
Survey - Location	156	\$ 1,500.00	\$ -	\$ -	\$ -	\$ 1,500.00
Survey - Well	157	\$ -	\$ -	\$ -	\$ -	\$ -
Testing - Well Control Equipment	160	\$ 5,700.00	\$ 5,000.00	\$ -	\$ -	\$ 10,700.00
Transportation - Land	162	\$ 5,445.00	\$ 25,000.00	\$ 10,000.00	\$ 5,000.00	\$ 45,445.00
Tubular Conveyed Perforating & Drill Stem Testing Services	165	\$ -	\$ -	\$ -	\$ -	\$ -
Services Welding	166	\$ 3,500.00	\$ -	\$ -	\$ -	\$ 3,500.00
Drill Bits	301	\$ 80,000.00	\$ -	\$ -	\$ -	\$ 80,000.00
Blow-Out Preventor	302	\$ 8,250.00	\$ 20,000.00	\$ -	\$ 2,000.00	\$ 30,250.00
Completion Fluids	304	\$ -	\$ -	\$ -	\$ -	\$ -
Cranes	307	\$ -	\$ 45,000.00	\$ -	\$ -	\$ 45,000.00
Drill String	310	\$ 5,000.00	\$ -	\$ -	\$ -	\$ 5,000.00
Electrical Repairs	311	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel	313	\$ 33,000.00	\$ 180,000.00	\$ -	\$ -	\$ 213,000.00
Gas Measurement	317	\$ -	\$ -	\$ 20,000.00	\$ -	\$ 20,000.00
Heaters - Indirect Line	321	\$ -	\$ -	\$ -	\$ -	\$ -
Rent Lost in Hole	325	\$ -	\$ -	\$ -	\$ -	\$ -
Rent Miscellaneous Surface Equipment	328	\$ 6,725.00	\$ 125,000.00	\$ 17,000.00	\$ -	\$ 148,725.00
Mud - Drilling	329	\$ 190,492.00	\$ -	\$ -	\$ -	\$ 190,492.00
Mud Monitoring & Processing Equipment	330	\$ 33,000.00	\$ -	\$ -	\$ -	\$ 33,000.00
Stabilizer, Under-Reamer, Hole-Opener	341	\$ 6,600.00	\$ -	\$ -	\$ -	\$ 6,600.00
Tools & Supplies	346	\$ -	\$ -	\$ -	\$ -	\$ -
Utility Systems	348	\$ -	\$ -	\$ 125,000.00	\$ -	\$ 125,000.00
Vapor Recovery System	349	\$ -	\$ -	\$ 18,000.00	\$ -	\$ 18,000.00
Drilling Water	350	\$ 12,900.00	\$ 520,000.00	\$ -	\$ -	\$ 532,900.00
Water Handling Equipment	351	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Insurance	501	\$ -	\$ -	\$ -	\$ -	\$ -
Landowner Fees	502	\$ 20,250.00	\$ -	\$ -	\$ -	\$ 20,250.00
Legal Fees	503	\$ 145,000.00	\$ -	\$ -	\$ -	\$ 145,000.00
Regulatory Compliance	511	\$ 1,500.00	\$ -	\$ -	\$ -	\$ 1,500.00
Overhead	965	\$ 6,353.00	\$ -	\$ -	\$ -	\$ 6,353.00
Subtotal - Intangibles		\$ 1,665,250.00	\$ 2,825,000.00	\$ 256,000.00	\$ 33,500.00	\$ 4,779,750.00
TANGIBLES						
Oil Measurement Equipment	332	\$ -	\$ -	\$ -	\$ -	\$ -
Line Pipe & Battery Fittings	335	\$ -	\$ -	\$ 78,000.00	\$ -	\$ 78,000.00
Pumps	336	\$ -	\$ -	\$ -	\$ -	\$ -
Separators	340	\$ -	\$ -	\$ 25,000.00	\$ -	\$ 25,000.00
Stock Tanks	345	\$ -	\$ -	\$ 62,000.00	\$ -	\$ 62,000.00
Treaters	347	\$ -	\$ -	\$ 31,000.00	\$ -	\$ 31,000.00
Artificial Lift	601	\$ -	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00
Casing Accessories	602	\$ 42,000.00	\$ -	\$ -	\$ -	\$ 42,000.00
Miscellaneous Surface Equipment	603	\$ -	\$ -	\$ -	\$ -	\$ -
Packers / Anchors / Liner Hangers	604	\$ -	\$ -	\$ -	\$ -	\$ -
Water Casing (Conductor Casing)	607	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00
Pipe Surface Casing	608	\$ 30,000.00	\$ -	\$ -	\$ -	\$ 30,000.00
Pipe Intermediate Casing	609	\$ -	\$ -	\$ -	\$ -	\$ -
Production Casing/Liner	610	\$ 342,000.00	\$ -	\$ -	\$ -	\$ 342,000.00
Pipe Casing Liner	611	\$ -	\$ -	\$ -	\$ -	\$ -
Tubing	613	\$ -	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00
Rods	614	\$ -	\$ -	\$ -	\$ -	\$ -
Tubing Accessories	616	\$ -	\$ -	\$ -	\$ 6,500.00	\$ 6,500.00
Wellhead	617	\$ 28,500.00	\$ 15,000.00	\$ 196,000.00	\$ 41,500.00	\$ 43,500.00
Subtotal - Tangibles		\$ 452,500.00	\$ 15,000.00	\$ 196,000.00	\$ 41,500.00	\$ 705,000.00
AFE TOTAL		\$ 2,117,750.00	\$ 2,840,000.00	\$ 452,000.00	\$ 75,000.00	\$ 5,484,750.00

This AFE is only an estimate. By returning one signed copy the undersigned hereby agrees to pay its share of all the actual costs incurred in this operation.

NAME: _____
PRINTED NAME: _____
TITLE: _____

COMPANY: _____
DATE: _____

CD 16-26885



8/8/16