



Authority for Expenditure Drilling, Completion, Facilities

WELL NAME: Eileen 1H-14X
AFE NO. 45778
RC NO. 500397235
Date: 11/7/2016

OPERATOR:	STATE	COUNTY	SECTION	TOWNSHIP	RANGE	PROPOSED TD
Newfield Exploration-Mid Continent	OK	Canadian	14/23	14N	6W	8,000' TVD / 18,500' TMD
DRILLING COMMENTS		COMPLETION COMMENTS			FACILITIES	
DETAIL OF ESTIMATED EXPENDITURES	COST CODE	DRILLING	COMPLETION	FACILITIES	ART. LIFT	TOTAL
INTANGIBLES						
Base / Field Office Operations	101	\$ 23,548.00	\$ 30,000.00	\$ -	\$ -	\$ 53,548.00
Cased Hole Electric Wireline	102	\$ -	\$ 350,000.00	\$ -	\$ -	\$ 350,000.00
Services - Casing Crews and Running Tools	103	\$ 35,000.00	\$ 26,000.00	\$ -	\$ 4,500.00	\$ 65,500.00
Services Cementing/Coil Tubing Unit	105	\$ 117,200.00	\$ -	\$ -	\$ -	\$ 117,200.00
Communications	109	\$ 5,519.00	\$ -	\$ 3,000.00	\$ -	\$ 8,519.00
Consultants	110	\$ 101,118.00	\$ 135,000.00	\$ 2,000.00	\$ -	\$ 238,118.00
Core / Fluid Analysis	111	\$ -	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00
Directional Drilling Operations	113	\$ 260,007.00	\$ -	\$ -	\$ -	\$ 260,007.00
Environmental & Safety Services	117	\$ 981.00	\$ 45,000.00	\$ -	\$ -	\$ 45,981.00
Fishing Services	119	\$ -	\$ -	\$ -	\$ -	\$ -
Fluids Disposal (includes transportation)	120	\$ 53,435.00	\$ 30,000.00	\$ -	\$ -	\$ 83,435.00
Services Formation Evaluation	121	\$ -	\$ -	\$ -	\$ -	\$ -
Formation Stimulation - Fracturing	122	\$ -	\$ 2,470,000.00	\$ -	\$ -	\$ 2,470,000.00
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	\$ 5,500.00	\$ -	\$ -	\$ -	\$ 5,500.00
Inspection - Drill Pipe	131	\$ 20,000.00	\$ -	\$ -	\$ -	\$ 20,000.00
Inspection - Site	132	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Tubing	133	\$ -	\$ -	\$ -	\$ -	\$ -
Installation / Removal - Pipeline	135	\$ -	\$ -	\$ -	\$ -	\$ -
Instrumentation	138	\$ -	\$ -	\$ 20,000.00	\$ -	\$ 20,000.00
Labor - Company Supervision	139	\$ -	\$ 2,500.00	\$ -	\$ -	\$ 2,500.00
Company Labor	140	\$ -	\$ 1,000.00	\$ 5,000.00	\$ 2,000.00	\$ 8,000.00
Labor - Contract Employees	141	\$ 19,529.00	\$ 12,500.00	\$ 20,000.00	\$ -	\$ 52,029.00
Location Preparation	143	\$ 120,000.00	\$ -	\$ 13,000.00	\$ -	\$ 133,000.00
Location Remediation & Maintenance	144	\$ 173,500.00	\$ -	\$ 2,000.00	\$ -	\$ 175,500.00
Measurement	145	\$ -	\$ -	\$ -	\$ -	\$ -
Services Miscellaneous	146	\$ 500.00	\$ -	\$ -	\$ 5,000.00	\$ 5,500.00
Mud Logging Services	147	\$ 17,576.00	\$ -	\$ -	\$ -	\$ 17,576.00
Nitrogen Services	148	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling & Completion Rig Costs	150	\$ 332,000.00	\$ 120,000.00	\$ -	\$ 9,000.00	\$ 461,000.00
Drilling Well Turnkey Costs	152	\$ 60,000.00	\$ -	\$ -	\$ -	\$ 60,000.00
Rig Mobilization & De-Mobilization	153	\$ 111,000.00	\$ -	\$ -	\$ -	\$ 111,000.00
Security Services	154	\$ -	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00
Slickline Services	155	\$ -	\$ -	\$ -	\$ -	\$ -
Survey - Location	156	\$ 1,500.00	\$ -	\$ -	\$ -	\$ 1,500.00
Survey - Well	157	\$ -	\$ -	\$ -	\$ -	\$ -
Testing - Well Control Equipment	160	\$ 5,700.00	\$ -	\$ -	\$ -	\$ 5,700.00
Transportation - Land	162	\$ 3,925.00	\$ 7,500.00	\$ 10,000.00	\$ 2,000.00	\$ 23,425.00
Tubular Conveyed Perforating & Drill Stem Testing Services	165	\$ -	\$ -	\$ -	\$ -	\$ -
Services Welding	166	\$ 3,500.00	\$ -	\$ 85,000.00	\$ -	\$ 88,500.00
Drill Bits	301	\$ 100,000.00	\$ 20,000.00	\$ -	\$ -	\$ 120,000.00
Blow-Out Preventor	302	\$ 12,265.00	\$ 28,500.00	\$ -	\$ 1,500.00	\$ 42,265.00
Completion Fluids	304	\$ -	\$ 72,000.00	\$ -	\$ -	\$ 72,000.00
Cranes	307	\$ -	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00
Drill String	310	\$ 5,000.00	\$ -	\$ -	\$ -	\$ 5,000.00
Electrical and Grounding	311	\$ -	\$ -	\$ 105,000.00	\$ -	\$ 105,000.00
Fuel	313	\$ 49,059.00	\$ 255,000.00	\$ -	\$ -	\$ 304,059.00
Gas Measurement	317	\$ -	\$ -	\$ 10,000.00	\$ -	\$ 10,000.00
Heaters - Indirect Line	321	\$ -	\$ -	\$ -	\$ -	\$ -
Rent Lost in Hole	325	\$ -	\$ -	\$ -	\$ -	\$ -
Rent Miscellaneous Surface Equipment	328	\$ 9,360.00	\$ 180,000.00	\$ 15,000.00	\$ -	\$ 204,360.00
Mud - Drilling	329	\$ 171,234.00	\$ -	\$ -	\$ -	\$ 171,234.00
Mud Monitoring & Processing Equipment	330	\$ 49,059.00	\$ -	\$ -	\$ -	\$ 49,059.00
Stabilizer, Under-Reamer, Hole-Opener	341	\$ 9,812.00	\$ -	\$ -	\$ -	\$ 9,812.00
Tools & Supplies	346	\$ -	\$ -	\$ -	\$ -	\$ -
Utilities Systems	348	\$ -	\$ -	\$ -	\$ -	\$ -
Vapor Recovery System	349	\$ -	\$ -	\$ 23,000.00	\$ -	\$ 23,000.00
Drilling Water	350	\$ 12,812.00	\$ 1,210,000.00	\$ -	\$ -	\$ 1,222,812.00
Water Handling Equipment	351	\$ -	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00
Drilling Insurance	501	\$ -	\$ -	\$ -	\$ -	\$ -
Landowner Fees	502	\$ 40,500.00	\$ -	\$ -	\$ -	\$ 40,500.00
Legal Fees	503	\$ 90,000.00	\$ -	\$ -	\$ -	\$ 90,000.00
Regulatory Compliance	511	\$ 1,500.00	\$ -	\$ -	\$ -	\$ 1,500.00
Overhead	965	\$ 9,444.00	\$ -	\$ -	\$ -	\$ 9,444.00
Subtotal - Intangibles		\$ 2,036,083.00	\$ 5,080,000.00	\$ 313,000.00	\$ 25,000.00	\$ 7,454,083.00
TANGIBLES						
Oil Measurement Equipment	332	\$ -	\$ -	\$ 40,000.00	\$ -	\$ 40,000.00
Line Pipe & Battery Fittings	335	\$ -	\$ -	\$ 75,000.00	\$ -	\$ 75,000.00
Pumps	336	\$ -	\$ -	\$ 10,000.00	\$ -	\$ 10,000.00
Separators	340	\$ -	\$ -	\$ 55,000.00	\$ -	\$ 55,000.00
Stock Tanks	345	\$ -	\$ -	\$ 50,000.00	\$ -	\$ 50,000.00
Treaters	347	\$ -	\$ -	\$ 35,000.00	\$ -	\$ 35,000.00
Artificial Lift	601	\$ -	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00
Casing Accessories	602	\$ 32,000.00	\$ -	\$ -	\$ -	\$ 32,000.00
Miscellaneous Surface Equipment	603	\$ -	\$ -	\$ 60,000.00	\$ -	\$ 60,000.00
Packers / Anchors / Liner Hangers	604	\$ -	\$ -	\$ -	\$ -	\$ -
Water Casing (Conductor Casing)	607	\$ 8,000.00	\$ -	\$ -	\$ -	\$ 8,000.00
Pipe Surface Casing	608	\$ 24,000.00	\$ -	\$ -	\$ -	\$ 24,000.00
Pipe Intermediate Casing	609	\$ -	\$ -	\$ -	\$ -	\$ -
Production Casing/Liner	610	\$ 359,000.00	\$ -	\$ -	\$ -	\$ 359,000.00
Pipe Casing Liner	611	\$ -	\$ -	\$ -	\$ -	\$ -
Tubing	613	\$ -	\$ -	\$ -	\$ 35,000.00	\$ 35,000.00
Rods	614	\$ -	\$ -	\$ -	\$ -	\$ -
Tubing Accessories	616	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 1,500.00
Wellhead	617	\$ 21,000.00	\$ 30,000.00	\$ 22,000.00	\$ -	\$ 73,000.00
Subtotal - Tangibles		\$ 444,000.00	\$ 30,000.00	\$ 347,000.00	\$ 46,500.00	\$ 867,500.00
AFE TOTAL		\$ 2,480,083.00	\$ 5,110,000.00	\$ 660,000.00	\$ 71,500.00	\$ 8,321,583.00

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: _____



11/7/16