



Authority for Expenditure Drilling,
Completion, Facilities

WELL NAME: LORIS 1H-2X
AFE NO. 45281
RC NO. 500395929
Date: 3/4/2016

Operator:		State	County	Section	Township	Range	Proposed TD
Newfield Exploration-Mid Continent		OK	KINGFISHER	2	17N	8W	8,058' TVD /18,258' MD
Drilling Comments		Completion Comments				Facilities	
Detail of Estimated Expenditures		Cost Code	Drilling	Completion	Facilities	Art. Lift	Total
Intangibles							
Base / Field Office Operations	101	\$ 40,558.00	\$ 30,000.00	\$ -	\$ -	\$ -	70,558.00
Cased Hole Electric Wireline	102	\$ -	\$ 460,000.00	\$ -	\$ 10,000.00	\$ -	470,000.00
Services - Casing Crews and Running Tools	103	\$ 45,000.00	\$ 50,000.00	\$ -	\$ 4,500.00	\$ -	99,500.00
Services Cementing/Coil Tubing Unit	105	\$ 175,000.00	\$ -	\$ -	\$ -	\$ -	175,000.00
Communications	109	\$ 7,605.00	\$ -	\$ -	\$ -	\$ -	7,605.00
Consultants	110	\$ 108,156.00	\$ 150,000.00	\$ -	\$ -	\$ -	258,156.00
Core / Fluid Analysis	111	\$ -	\$ -	\$ -	\$ 2,500.00	\$ -	2,500.00
Directional Drilling Operations	113	\$ 337,986.00	\$ -	\$ -	\$ -	\$ -	337,986.00
Environmental & Safety Services	117	\$ 1,352.00	\$ 35,000.00	\$ -	\$ -	\$ -	36,352.00
Fishing Services	119	\$ -	\$ -	\$ -	\$ -	\$ -	-
Fluids Disposal (includes transportation)	120	\$ 74,357.00	\$ 20,000.00	\$ -	\$ -	\$ -	94,357.00
Services Formation Evaluation	121	\$ -	\$ -	\$ -	\$ -	\$ -	-
Formation Stimulation - Fracturing	122	\$ -	\$ 2,720,000.00	\$ -	\$ -	\$ -	2,720,000.00
Formation Stimulation - Other	123	\$ -	\$ 20,000.00	\$ -	\$ -	\$ -	20,000.00
Hot Oiling Services	128	\$ -	\$ 9,000.00	\$ -	\$ -	\$ -	9,000.00
Inspection - Bottom Hole Assembly	129	\$ 5,000.00	\$ -	\$ -	\$ -	\$ -	5,000.00
Inspection - Casing	130	\$ 5,000.00	\$ -	\$ -	\$ -	\$ -	5,000.00
Inspection - Drill Pipe	131	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -	25,000.00
Inspection - Site	132	\$ -	\$ -	\$ -	\$ -	\$ -	-
Inspection - Tubing	133	\$ -	\$ 2,000.00	\$ -	\$ -	\$ -	2,000.00
Installation / Removal - Pipeline	135	\$ -	\$ -	\$ -	\$ -	\$ -	-
Instrumentation	138	\$ -	\$ -	\$ -	\$ -	\$ -	-
Labor - Company Supervision	139	\$ -	\$ -	\$ -	\$ -	\$ -	-
Company Labor	140	\$ -	\$ -	\$ 7,000.00	\$ 2,000.00	\$ -	9,000.00
Labor - Contract Employees	141	\$ -	\$ -	\$ 42,000.00	\$ -	\$ -	42,000.00
Location Preparation	143	\$ 150,000.00	\$ 1,000.00	\$ 15,000.00	\$ -	\$ -	166,000.00
Location Remediation & Maintenance	144	\$ 250,000.00	\$ 12,500.00	\$ 2,000.00	\$ -	\$ -	264,500.00
Services Miscellaneous	146	\$ -	\$ 6,500.00	\$ -	\$ 5,000.00	\$ -	11,500.00
Mud Logging Services	147	\$ 25,919.00	\$ -	\$ -	\$ -	\$ -	25,919.00
Drilling & Completion Rig Costs	150	\$ 551,062.00	\$ 115,000.00	\$ -	\$ 15,000.00	\$ -	681,062.00
Drilling Well Turnkey Costs	152	\$ -	\$ -	\$ -	\$ -	\$ -	-
Rig Mobilization & De-Mobilization	153	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	200,000.00
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	\$ 7,500.00	\$ 8,000.00	\$ -	\$ -	\$ -	15,500.00
Transportation - Land	162	\$ 11,154.00	\$ 25,000.00	\$ 10,000.00	\$ 5,000.00	\$ -	51,154.00
Tubular Conveyed Perforating & Drill Stem Testing Services	165	\$ -	\$ -	\$ -	\$ -	\$ -	-
Services Welding	166	\$ 3,500.00	\$ -	\$ -	\$ -	\$ -	3,500.00
Drill Bits	301	\$ 120,000.00	\$ 10,000.00	\$ -	\$ -	\$ -	130,000.00
Blow-Out Preventor	302	\$ 16,899.00	\$ 50,000.00	\$ -	\$ 2,000.00	\$ -	68,899.00
Completion Fluids	304	\$ -	\$ 5,000.00	\$ -	\$ -	\$ -	5,000.00
Cranes	307	\$ -	\$ 10,000.00	\$ -	\$ -	\$ -	10,000.00
Drill String	310	\$ 7,500.00	\$ -	\$ -	\$ -	\$ -	7,500.00
Electrical Repairs	311	\$ -	\$ -	\$ -	\$ -	\$ -	-
Fuel	313	\$ 94,750.00	\$ 235,000.00	\$ -	\$ -	\$ -	329,750.00
Gas Measurement	317	\$ -	\$ -	\$ 20,000.00	\$ -	\$ -	20,000.00
Heaters - Indirect Line	321	\$ -	\$ -	\$ -	\$ -	\$ -	-
Rent Lost in Hole	325	\$ -	\$ -	\$ -	\$ -	\$ -	-
Rent Miscellaneous Surface Equipment	328	\$ 12,080.00	\$ 165,000.00	\$ 17,000.00	\$ -	\$ -	194,080.00
Mud - Drilling	329	\$ 384,595.00	\$ -	\$ -	\$ -	\$ -	384,595.00
Mud Monitoring & Processing Equipment	330	\$ 64,217.00	\$ -	\$ -	\$ -	\$ -	64,217.00
Stabilizer, Under-Reamer, Hole-Opener	341	\$ 13,519.00	\$ -	\$ -	\$ -	\$ -	13,519.00
Tools & Supplies	346	\$ -	\$ -	\$ -	\$ -	\$ -	-
Vapor Recovery System	349	\$ -	\$ -	\$ 18,000.00	\$ -	\$ -	18,000.00
Drilling Water	350	\$ 20,279.00	\$ 480,000.00	\$ -	\$ -	\$ -	500,279.00
Water Handling Equipment	351	\$ -	\$ -	\$ -	\$ -	\$ -	-
Drilling Insurance	501	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -	10,000.00
Legal Fees	503	\$ 65,000.00	\$ -	\$ -	\$ -	\$ -	65,000.00
Regulatory Compliance	511	\$ 1,500.00	\$ -	\$ -	\$ -	\$ -	1,500.00
Overhead	965	\$ 13,012.00	\$ -	\$ -	\$ -	\$ -	13,012.00
Subtotal - Intangibles		\$ 2,849,000.00	\$ 4,634,000.00	\$ 131,000.00	\$ 46,000.00	\$ -	7,660,000.00
Tangibles							
Oil Measurement Equipment	332	\$ -	\$ -	\$ -	\$ -	\$ -	-
Line Pipe & Battery Fittings	335	\$ -	\$ -	\$ 78,000.00	\$ -	\$ -	78,000.00
Pumps	336	\$ -	\$ -	\$ -	\$ 2,500.00	\$ -	2,500.00
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	\$ -	\$ -	\$ -	\$ 15,000.00	\$ -	15,000.00
Casing Accessories	602	\$ 46,000.00	\$ -	\$ -	\$ -	\$ -	46,000.00
Miscellaneous Surface Equipment	603	\$ -	\$ -	\$ -	\$ -	\$ -	-
Packers / Anchors / Liner Hangers	604	\$ -	\$ -	\$ -	\$ -	\$ -	-
Water Casing (Conductor Casing)	607	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -	10,000.00
Pipe Surface Casing	608	\$ 42,000.00	\$ -	\$ -	\$ -	\$ -	42,000.00
Pipe Intermediate Casing	609	\$ -	\$ -	\$ -	\$ -	\$ -	-
Production Casing/Liner	610	\$ 481,000.00	\$ -	\$ -	\$ -	\$ -	481,000.00
Pipe Casing Liner	611	\$ -	\$ -	\$ -	\$ -	\$ -	-
Tubing	613	\$ -	\$ -	\$ -	\$ 55,000.00	\$ -	55,000.00
Rods	614	\$ -	\$ -	\$ -	\$ -	\$ -	-
Tubing Accessories	616	\$ -	\$ -	\$ -	\$ 1,500.00	\$ -	1,500.00
Wellhead	617	\$ 22,000.00	\$ 30,000.00	\$ -	\$ -	\$ -	52,000.00
Subtotal - Tangibles		\$ 601,000.00	\$ 30,000.00	\$ 196,000.00	\$ 74,000.00	\$ -	901,000.00
AFE TOTAL		\$ 3,450,000.00	\$ 4,664,000.00	\$ 327,000.00	\$ 120,000.00	\$ -	8,561,000.00

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: _____ COMPANY: _____
PRINTED NAME: _____ DATE: _____
TITLE: _____



3/7/16