



# Authority for Expenditure Drilling, Completion, Facilities

WELL NAME: KRITTENBRINK 1H-17X  
 AFE NO. 45308  
 RC NO. 500396069  
 Date: 10/20/2015

OPERATOR:	STATE	COUNTY	SECTION	TOWNSHIP	RANGE	PROPOSED TD
Newfield Exploration-Mid Continent	OK	KINGFISHER	17	17N	8W	'8470 TVD / 18900' MD

DRILLING COMMENTS	COMPLETION COMMENTS	FACILITIES
-------------------	---------------------	------------

DETAIL OF ESTIMATED EXPENDITURES	COST CODE	DRILLING	COMPLETION	FACILITIES	ART. LIFT	TOTAL
<b>INTANGIBLES</b>						
Base / Field Office Operations	101	\$ 31,606.00	\$ 30,000.00	\$ -	\$ -	\$ 61,606.00
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	\$ 185,000.00	\$ -	\$ -	\$ -	\$ 185,000.00
Communications	109	\$ 5,926.00	\$ -	\$ -	\$ -	\$ 5,926.00
Consultants	110	\$ 84,283.00	\$ 150,000.00	\$ -	\$ -	\$ 234,283.00
Core / Fluid Analysis	111	\$ -	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00
Directional Drilling Operations	113	\$ 292,963.00	\$ -	\$ -	\$ -	\$ 292,963.00
Environmental & Safety Services	117	\$ 1,054.00	\$ 35,000.00	\$ -	\$ -	\$ 36,054.00
Fishing Services	119	\$ -	\$ -	\$ -	\$ -	\$ -
Fluids Disposal (includes transportation)	120	\$ 57,945.00	\$ 20,000.00	\$ -	\$ -	\$ 77,945.00
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	\$ 200,000.00	\$ 1,000.00	\$ 15,000.00	\$ -	\$ 216,000.00
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	\$ 19,205.00	\$ -	\$ -	\$ -	\$ 19,205.00
Drilling & Completion Rig Costs	150	\$ 408,313.00	\$ 115,000.00	\$ -	\$ 15,000.00	\$ 538,313.00
Rig Mobilization & De-Mobilization	152	\$ -	\$ -	\$ -	\$ -	\$ -
Security Services	153	\$ 200,000.00	\$ -	\$ -	\$ -	\$ 200,000.00
Slickline Services	154	\$ -	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00
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	\$ 8,692.00	\$ 25,000.00	\$ 10,000.00	\$ 5,000.00	\$ 48,692.00
Tubular Conveyed Perforating & Drill Stem Testing Services	165	\$ -	\$ -	\$ -	\$ -	\$ -
Services Welding	166	\$ 3,500.00	\$ -	\$ -	\$ -	\$ 3,500.00
Drill Bits	301	\$ 130,000.00	\$ 10,000.00	\$ -	\$ -	\$ 140,000.00
Blow-Out Preventor	302	\$ 13,169.00	\$ 50,000.00	\$ -	\$ 2,000.00	\$ 65,169.00
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	\$ 82,441.00	\$ 235,000.00	\$ -	\$ -	\$ 317,441.00
Gas Measurement	317	\$ -	\$ -	\$ 20,000.00	\$ -	\$ 20,000.00
Heaters - Indirect Line	321	\$ -	\$ -	\$ -	\$ -	\$ -
Rent Lost in Hole	325	\$ -	\$ -	\$ -	\$ -	\$ -
Rent Miscellaneous Surface Equipment	328	\$ 9,468.00	\$ 165,000.00	\$ 17,000.00	\$ -	\$ 191,468.00
Mud - Drilling	329	\$ 305,913.00	\$ -	\$ -	\$ -	\$ 305,913.00
Mud Monitoring & Processing Equipment	330	\$ 50,043.00	\$ -	\$ -	\$ -	\$ 50,043.00
Stabilizer, Under-Reamer, Hole-Opener	341	\$ 10,535.00	\$ -	\$ -	\$ -	\$ 10,535.00
Tools & Supplies	346	\$ -	\$ -	\$ -	\$ -	\$ -
Vapor Recovery System	349	\$ -	\$ -	\$ 18,000.00	\$ -	\$ 18,000.00
Drilling Water	350	\$ 15,804.00	\$ 480,000.00	\$ -	\$ -	\$ 495,804.00
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	\$ 10,140.00	\$ -	\$ -	\$ -	\$ 10,140.00
<b>Subtotal - Intangibles</b>		<b>\$ 2,549,000.00</b>	<b>\$ 4,634,000.00</b>	<b>\$ 131,000.00</b>	<b>\$ 46,000.00</b>	<b>\$ 7,360,000.00</b>
<b>TANGIBLES</b>						
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
<b>Subtotal - Tangibles</b>		<b>\$ 601,000.00</b>	<b>\$ 30,000.00</b>	<b>\$ 196,000.00</b>	<b>\$ 74,000.00</b>	<b>\$ 901,000.00</b>
<b>AFE TOTAL</b>		<b>\$ 3,150,000.00</b>	<b>\$ 4,664,000.00</b>	<b>\$ 327,000.00</b>	<b>\$ 120,000.00</b>	<b>\$ 8,261,000.00</b>

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: \_\_\_\_\_



11/20/15