



Authority for Expenditure Drilling,
Completion, Facilities

WELL NAME:	Volta June 1H-34
AFE NO.	45776P
RC NO.	500397231
Date:	11/8/2016

OPERATOR:	STATE	COUNTY	SECTION	TOWNSHIP	RANGE	PROPOSED TD
Newfield Exploration-Mid Continent	OK	Kingfisher	34	16N	9W	9,318' TVD 14,400' MD
COMPLETION COMMENTS						
DRILLING COMMENTS						
DETAIL OF ESTIMATED EXPENDITURES	COST CODE	DRILLING	COMPLETION	FACILITIES	ART. LIFT	TOTAL
INTANGIBLES						
Base / Field Office Operations	101	\$ 18,008	\$ 20,000	\$ -	\$ -	\$ 38,008
Cased Hole Electric Wireline	102	\$ -	\$ 175,000	\$ -	\$ -	\$ 175,000
Services - Casing Crews and Running Tools	103	\$ 25,000	\$ -	\$ -	\$ 4,500	\$ 29,500
Services Cementing/Coil Tubing Unit	105	\$ 80,000	\$ -	\$ -	\$ -	\$ 80,000
Communications	109	\$ 3,192	\$ -	\$ 3,000.00	\$ -	\$ 6,192
Consultants	110	\$ 52,657	\$ 65,000	\$ 1,000.00	\$ -	\$ 118,657
Core / Fluid Analysis	111	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000
Directional Drilling Operations	113	\$ 144,249	\$ -	\$ -	\$ -	\$ 144,249
Environmental & Safety Services	117	\$ 568	\$ 22,500	\$ -	\$ -	\$ 23,068
Fishing Services	119	\$ -	\$ -	\$ -	\$ -	\$ -
Fluids Disposal (includes transportation)	120	\$ 37,769	\$ 15,000	\$ -	\$ -	\$ 52,769
Services Formation Evaluation	121	\$ -	\$ -	\$ -	\$ -	\$ -
Formation Stimulation - Fracturing	122	\$ -	\$ 1,232,500	\$ -	\$ -	\$ 1,232,500
Formation Stimulation - Other	123	\$ -	\$ 15,000	\$ -	\$ -	\$ 15,000
Hot Oiling Services	128	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Bottom Hole Assembly	129	\$ 5,000	\$ -	\$ -	\$ -	\$ 5,000
Inspection - Casing	130	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Drill Pipe	131	\$ 14,000	\$ -	\$ -	\$ -	\$ 14,000
Inspection - Site	132	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Tubing	133	\$ -	\$ -	\$ -	\$ -	\$ -
Installation / Removal - Pipeline	135	\$ -	\$ -	\$ -	\$ -	\$ -
Instrumentation	138	\$ -	\$ -	\$ 20,000.00	\$ -	\$ 20,000
Labor - Company Supervision	139	\$ -	\$ -	\$ -	\$ -	\$ -
Company Labor	140	\$ -	\$ -	\$ 5,000.00	\$ 2,000	\$ 7,000
Labor - Contract Employees	141	\$ 12,250	\$ -	\$ 20,000.00	\$ -	\$ 32,250
Location Preparation	143	\$ 120,000	\$ 5,000	\$ 13,000.00	\$ -	\$ 138,000
Location Remediation & Maintenance	144	\$ 140,650	\$ -	\$ 2,000.00	\$ -	\$ 142,650
Measurement	145	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000
Services Miscellaneous	146	\$ -	\$ -	\$ -	\$ -	\$ -
Mud Logging Services	147	\$ 8,269	\$ -	\$ -	\$ -	\$ 8,269
Nitrogen Services	148	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling & Completion Rig Costs	150	\$ 156,193	\$ 60,000	\$ -	\$ 9,000	\$ 225,193
Drilling Well Turnkey Costs	152	\$ 35,000	\$ -	\$ -	\$ -	\$ 35,000
Rig Mobilization & De-Mobilization	153	\$ 111,000	\$ -	\$ -	\$ -	\$ 111,000
Security Services	154	\$ -	\$ 7,500	\$ -	\$ -	\$ 7,500
Slickline Services	155	\$ -	\$ -	\$ -	\$ -	\$ -
Survey - Location	156	\$ 1,500	\$ -	\$ -	\$ -	\$ 1,500
Survey - Well	157	\$ -	\$ -	\$ -	\$ -	\$ -
Testing - Well Control Equipment	160	\$ 5,700	\$ 5,000	\$ -	\$ -	\$ 10,700
Transportation - Land	162	\$ 2,270	\$ 12,500	\$ 10,000.00	\$ 2,000	\$ 26,770
Tubular Conveyed Perforating & Drill Stem Testing Services	165	\$ -	\$ -	\$ -	\$ -	\$ -
Services Welding	166	\$ 3,500	\$ -	\$ 85,000.00	\$ -	\$ 88,500
Drill Bits	301	\$ 60,000	\$ 10,000	\$ -	\$ -	\$ 70,000
Blow-Out Preventor	302	\$ 7,094	\$ 14,000	\$ -	\$ 1,500	\$ 22,594
Completion Fluids	304	\$ -	\$ 36,000	\$ -	\$ -	\$ 36,000
Cranes	307	\$ -	\$ 22,500	\$ -	\$ -	\$ 22,500
Drill String	310	\$ 2,500	\$ -	\$ -	\$ -	\$ 2,500
Electrical and grounding	311	\$ -	\$ -	\$ 105,000.00	\$ -	\$ 105,000
Fuel	313	\$ 28,376	\$ 127,500	\$ -	\$ -	\$ 155,876
Gas Measurement	317	\$ -	\$ -	\$ 10,000.00	\$ -	\$ 10,000
Heaters - Indirect Line	321	\$ -	\$ -	\$ -	\$ -	\$ -
Rent Lost in Hole	325	\$ -	\$ -	\$ -	\$ -	\$ -
Rent Miscellaneous Surface Equipment	328	\$ 5,916	\$ 90,000	\$ 15,000.00	\$ -	\$ 110,916
Mud - Drilling	329	\$ 133,082	\$ -	\$ -	\$ -	\$ 133,082
Mud Monitoring & Processing Equipment	330	\$ 28,376	\$ -	\$ -	\$ -	\$ 28,376
Stabilizer, Under-reamer, Hole-Opener	341	\$ 2,000	\$ -	\$ -	\$ -	\$ 2,000
Tools & Supplies	346	\$ -	\$ -	\$ -	\$ -	\$ -
Utilities Systems	348	\$ -	\$ -	\$ -	\$ -	\$ -
Vapor Recovery System	349	\$ -	\$ -	\$ 23,000.00	\$ -	\$ 23,000
Drilling Water	350	\$ 3,919	\$ 605,000	\$ -	\$ -	\$ 608,919
Water Handling Equipment	351	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Insurance	501	\$ -	\$ -	\$ -	\$ -	\$ -
Landowner Fees	502	\$ 40,500	\$ -	\$ -	\$ -	\$ 40,500
Legal Fees	503	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
Regulatory Compliance	511	\$ 1,500	\$ -	\$ -	\$ -	\$ 1,500
Overhead	965	\$ 5,462	\$ -	\$ -	\$ -	\$ 5,462
Subtotal - Intangibles		\$ 1,345,500	\$ 2,540,000	\$ 312,000.00	\$ 25,000	\$ 4,222,500
TANGIBLES						
Oil Measurement Equipment	332	\$ -	\$ -	\$ 40,000.00	\$ -	\$ 40,000
Line Pipe & Battery Fittings	335	\$ -	\$ -	\$ 75,000.00	\$ -	\$ 75,000
Pumps	336	\$ -	\$ -	\$ 10,000.00	\$ -	\$ 10,000
Separators	340	\$ -	\$ -	\$ 55,000.00	\$ -	\$ 55,000
Stock Tanks	345	\$ -	\$ -	\$ 50,000.00	\$ -	\$ 50,000
Treaters	347	\$ -	\$ -	\$ 35,000.00	\$ -	\$ 35,000
Artificial Lift	601	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000
Casing Accessories	602	\$ 15,000	\$ -	\$ -	\$ -	\$ 15,000
Miscellaneous Surface Equipment	603	\$ -	\$ -	\$ 60,000.00	\$ -	\$ 60,000
Packers / Anchors / Liner Hangers	604	\$ -	\$ -	\$ -	\$ -	\$ -
Water Casing (Conductor Casing)	607	\$ 8,000	\$ -	\$ -	\$ -	\$ 8,000
Pipe Surface Casing	608	\$ 45,000	\$ -	\$ -	\$ -	\$ 45,000
Pipe Intermediate Casing	609	\$ -	\$ -	\$ -	\$ -	\$ -
Production Casing/Liner	610	\$ 243,000	\$ -	\$ -	\$ -	\$ 243,000
Pipe Casing Liner	611	\$ -	\$ -	\$ -	\$ 35,000	\$ 35,000
Tubing	613	\$ -	\$ -	\$ -	\$ -	\$ -
Rods	614	\$ -	\$ -	\$ -	\$ 1,500	\$ 1,500
Tubing Accessories	616	\$ -	\$ -	\$ -	\$ -	\$ -
Wellhead	617	\$ 23,500	\$ 15,000	\$ 22,000.00	\$ -	\$ 60,500
Subtotal - Tangibles		\$ 334,500	\$ 15,000	\$ 347,000.00	\$ 46,500	\$ 743,000
AFE TOTAL		\$ 1,680,000	\$ 2,555,000	\$ 659,000	\$ 71,500	\$ 4,965,500

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: _____



17-20-16