



Authority for Expenditure Drilling, Completion, Facilities

WELL NAME: HUFNAGEL 1H-33X
AFE NO. 43603
RC NO. 500379802
Date: 12/11/2015

OPERATOR:	STATE	COUNTY	SECTION	TOWNSHIP	RANGE	PROPOSED TD
Newfield Exploration-Mid Continent	OK	CANADIAN	33 4	14N & 13N	7W 7W	9416' TVD / 19850' MD

DRILLING COMMENTS	COMPLETION COMMENTS	FACILITIES

DETAIL OF ESTIMATED EXPENDITURES	COST CODE	DRILLING	COMPLETION	FACILITIES	ART. LIFT	TOTAL
INTANGIBLES						
Base / Field Office Operations	101	\$ 39,801.01	\$ 93,993.35	\$ -	\$ 2,919.76	\$ 136,714.12
Cased Hole Electric Wireline	102	\$ -	\$ 399,224.23	\$ -	\$ 7,000.00	\$ 406,224.23
Services - Casing Crews and Running Tools	103	\$ 66,855.84	\$ 47,038.82	\$ -	\$ 1,450.00	\$ 115,344.66
Services Cementing / Coil Tubing Unit	105	\$ 134,242.53	\$ -	\$ -	\$ -	\$ 134,242.53
Communications	109	\$ -	\$ -	\$ 74,199.59	\$ -	\$ 74,199.59
Consultants	110	\$ 133,371.61	\$ 191,547.61	\$ 3,164.04	\$ -	\$ 328,083.26
Core / Fluid Analysis	111	\$ -	\$ -	\$ -	\$ -	\$ -
Directional Drilling Operations	113	\$ 220,559.53	\$ -	\$ -	\$ -	\$ 220,559.53
Environmental & Safety Services	117	\$ 3,646.36	\$ 54,531.94	\$ -	\$ -	\$ 58,178.30
Fishing Services	119	\$ -	\$ -	\$ -	\$ -	\$ -
Fluids Disposal (includes transportation)	120	\$ 59,841.00	\$ 51,879.47	\$ 904.79	\$ -	\$ 112,625.26
Services Formation Evaluation	121	\$ -	\$ -	\$ -	\$ -	\$ -
Formation Stimulation - Fracturing	122	\$ -	\$ 3,018,906.56	\$ -	\$ -	\$ 3,018,906.56
Formation Stimulation - Other	123	\$ -	\$ 33,299.75	\$ -	\$ -	\$ 33,299.75
Hot Oiling Services	128	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Bottom Hole Assembly	129	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Casing	130	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Drill Pipe	131	\$ 3,052.50	\$ -	\$ -	\$ -	\$ 3,052.50
Inspection - Site	132	\$ -	\$ -	\$ -	\$ -	\$ -
Inspection - Tubing	133	\$ -	\$ -	\$ -	\$ 165.00	\$ 165.00
Installation / Removal - Pipeline	135	\$ -	\$ -	\$ -	\$ -	\$ -
Instrumentation	138	\$ -	\$ -	\$ -	\$ -	\$ -
Labor - Company Supervision	139	\$ -	\$ -	\$ -	\$ -	\$ -
Company Labor	140	\$ 11,380.38	\$ -	\$ 2,878.00	\$ 2,878.00	\$ 17,136.38
Labor - Contract Employees	141	\$ -	\$ 4,671.56	\$ 39,013.50	\$ 1,400.00	\$ 45,085.06
Location Preparation	143	\$ 182,615.27	\$ 1,626.28	\$ 13,627.59	\$ -	\$ 197,869.14
Location Remediation & Maintenance	144	\$ 146,384.11	\$ -	\$ -	\$ -	\$ 146,384.11
Measurement	145	\$ -	\$ -	\$ 3,539.01	\$ -	\$ 3,539.01
Services Miscellaneous	146	\$ 33,660.07	\$ -	\$ -	\$ 2,035.06	\$ 35,695.13
Mud Logging Services	147	\$ 18,234.00	\$ -	\$ -	\$ -	\$ 18,234.00
Nitrogen Services	148	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling & Completion Rig Costs	150	\$ 531,272.00	\$ 160,864.75	\$ -	\$ 4,850.00	\$ 696,986.75
Drilling Well Turnkey Costs	152	\$ -	\$ -	\$ -	\$ -	\$ -
Rig Mobilization & De-Mobilization	153	\$ 225,069.50	\$ -	\$ -	\$ -	\$ 225,069.50
Security Services	154	\$ -	\$ -	\$ 1,200.00	\$ -	\$ 1,200.00
Slickline Services	155	\$ -	\$ -	\$ -	\$ 1,616.78	\$ 1,616.78
Survey - Location	156	\$ 2,044.50	\$ -	\$ -	\$ -	\$ 2,044.50
Survey - Well	157	\$ 4,194.00	\$ -	\$ -	\$ -	\$ 4,194.00
Testing - Well Control Equipment	160	\$ 4,365.00	\$ 3,217.45	\$ -	\$ -	\$ 7,582.45
Transportation - Land	162	\$ 13,557.29	\$ 7,577.00	\$ 3,717.25	\$ 2,963.00	\$ 27,814.54
Tubular Conveyed Perforating & Drill Stem Testing Services	165	\$ -	\$ -	\$ -	\$ -	\$ -
Services Welding	166	\$ 2,125.00	\$ -	\$ -	\$ -	\$ 2,125.00
Drill Bits	301	\$ 181,444.37	\$ 14,359.73	\$ -	\$ -	\$ 195,804.10
Blow-Out Preventor	302	\$ 14,853.12	\$ 30,622.37	\$ -	\$ -	\$ 45,475.49
Completion Fluids	304	\$ -	\$ 51,042.13	\$ -	\$ -	\$ 51,042.13
Cranes	307	\$ -	\$ 3,832.50	\$ -	\$ -	\$ 3,832.50
Drill String	310	\$ 17,117.15	\$ -	\$ -	\$ -	\$ 17,117.15
Electrical Repairs	311	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel	313	\$ 89,161.97	\$ 286,463.81	\$ -	\$ -	\$ 375,625.78
Gas Measurement	317	\$ -	\$ -	\$ 2,458.88	\$ -	\$ 2,458.88
Heaters - Indirect Line	321	\$ -	\$ -	\$ -	\$ -	\$ -
Rent Lost in Hole	325	\$ -	\$ -	\$ -	\$ -	\$ -
Rent Miscellaneous Surface Equipment	328	\$ 4,111.80	\$ 186,352.37	\$ 306.95	\$ 3,845.25	\$ 194,616.37
Mud - Drilling	329	\$ 417,213.75	\$ -	\$ -	\$ -	\$ 417,213.75
Mud Monitoring & Processing Equipment	330	\$ 88,997.03	\$ -	\$ -	\$ -	\$ 88,997.03
Stabilizer, Under-Reamer, Hole-Opener	341	\$ -	\$ -	\$ -	\$ -	\$ -
Tools & Supplies	346	\$ -	\$ -	\$ -	\$ -	\$ -
Vapor Recovery System	349	\$ -	\$ -	\$ 22,502.77	\$ -	\$ 22,502.77
Drilling Water	350	\$ 9,679.06	\$ 1,042,226.40	\$ -	\$ -	\$ 1,051,905.46
Water Handling Equipment	351	\$ -	\$ 1,375.00	\$ -	\$ -	\$ 1,375.00
Drilling Insurance	501	\$ -	\$ -	\$ -	\$ -	\$ -
Legal Fees	503	\$ 45,337.19	\$ -	\$ -	\$ -	\$ 45,337.19
Regulatory Compliance	511	\$ 175.00	\$ -	\$ 496.25	\$ -	\$ 671.25
Overhead	965	\$ 12,204.57	\$ 20,854.76	\$ -	\$ -	\$ 33,059.33
Subtotal - Intangibles		\$ 2,716,566.51	\$ 5,705,507.84	\$ 168,008.62	\$ 31,122.85	\$ 8,621,205.82
TANGIBLES						
Compressor Equipment	305	\$ -	\$ -	\$ 8,205.00	\$ -	\$ 8,205.00
Oil Measurement Equipment	332	\$ -	\$ -	\$ -	\$ -	\$ -
Line Pipe & Battery Fittings	335	\$ -	\$ -	\$ 52,107.43	\$ -	\$ 52,107.43
Pumps	336	\$ -	\$ -	\$ -	\$ -	\$ -
Separators	340	\$ -	\$ -	\$ 47,475.00	\$ -	\$ 47,475.00
Stock Tanks	345	\$ -	\$ -	\$ 43,649.06	\$ -	\$ 43,649.06
Treaters	347	\$ -	\$ -	\$ -	\$ -	\$ -
Artificial Lift	601	\$ -	\$ -	\$ -	\$ 10,003.14	\$ 10,003.14
Casing Accessories	602	\$ 26,063.71	\$ -	\$ -	\$ -	\$ 26,063.71
Miscellaneous Surface Equipment	603	\$ -	\$ -	\$ -	\$ -	\$ -
Packers / Anchors / Liner Hangers	604	\$ -	\$ -	\$ -	\$ -	\$ -
Water Casing (Conductor Casing)	607	\$ -	\$ -	\$ -	\$ -	\$ -
Pipe Surface Casing	608	\$ 59,486.61	\$ -	\$ -	\$ -	\$ 59,486.61
Pipe Intermediate Casing	609	\$ -	\$ -	\$ -	\$ -	\$ -
Production Casing/Liner	610	\$ 508,862.14	\$ -	\$ -	\$ -	\$ 508,862.14
Pipe Casing Liner	611	\$ -	\$ -	\$ -	\$ -	\$ -
Tubing	613	\$ -	\$ -	\$ -	\$ 46,639.95	\$ 46,639.95
Rods	614	\$ -	\$ -	\$ -	\$ -	\$ -
Tubing Accessories	616	\$ -	\$ -	\$ -	\$ -	\$ -
Wellhead	617	\$ 36,200.75	\$ 11,859.75	\$ -	\$ -	\$ 48,060.50
Subtotal - Tangibles		\$ 630,613.21	\$ 11,859.75	\$ 151,436.49	\$ 56,643.09	\$ 850,552.54
AFE TOTAL		\$ 3,347,179.72	\$ 5,717,367.59	\$ 319,445.11	\$ 87,765.94	\$ 9,471,758.36

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: _____

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