

**Well Name:** Hufnagel 1H-33X

**TARGET FORMATION:** Woodford      **AFE Drill Days =** 25

**PROJECT DESCRIPTION & OBJECTIVE:**      **SPUD TO RR =** 20

Drill and complete an WDFD SXL lateral.

**AFE #:** \_\_\_\_\_

**PROPOSED TD:** 9,416 TVD / 19850 MD

**AFE TYPE:** Drill and Complete

Original

DETAIL OF ESTIMATED EXPENDITURES	COST CODE	DRILLING	COMPLETION	FACILITIES	ART LIFT	TOTAL
		880	881	883	882	
<b>INTANGIBLES</b>						
Base / Field Office Operations (housing, utilities, trash etc.)	101	\$43,588	\$35,000	\$0	\$0	\$78,588
Cased Hole Electric Wireline	102	\$0	\$465,000	\$0	\$10,000	\$475,000
Services - Casing Crews and Running Tools	103	\$68,000	\$50,000	\$0	\$4,500	\$122,500
Services Cementing/Coil Tubing Unit	105	\$142,000	\$0	\$0	\$0	\$142,000
Communications	109	\$6,014	\$0	\$0	\$0	\$6,014
Consultants	110	\$0	\$135,000	\$0	\$2,500	\$137,500
Core / Fluid Analysis	111	\$0	\$0	\$0	\$0	\$0
Directional Drilling Operations	113	\$142,381	\$0	\$0	\$0	\$142,381
Environmental & Safety Services	117	\$20,050	\$30,000	\$0	\$0	\$50,050
Fishing Services	119	\$0	\$0	\$0	\$0	\$0
Fluids Disposal (includes transportation)	120	\$15,038	\$15,000	\$0	\$0	\$30,038
Services Formation Evaluation	121	\$80,000	\$0	\$0	\$0	\$80,000
Formation Stimulation - Fracturing	122	\$0	\$2,708,500	\$0	\$0	\$2,708,500
Formation Stimulation - Other	123	\$0	\$20,000	\$0	\$0	\$20,000
Hot Oiling Services	128	\$0	\$8,500	\$0	\$0	\$8,500
Inspection - Bottom Hole Assembly	129	\$18,500	\$0	\$0	\$0	\$18,500
Inspection - Casing	130	\$1,500	\$0	\$0	\$0	\$1,500
Inspection - Drill Pipe	131	\$25,594	\$0	\$0	\$0	\$25,594
Inspection - Tubing	133	\$0	\$2,000	\$0	\$0	\$2,000
Installation / Removal - Pipeline	135	\$0	\$0	\$0	\$0	\$0
Labor - Company Supervision	139	\$75,189	\$0	\$7,000	\$2,000	\$84,189
Company Labor	140	\$0	\$0	\$42,000	\$0	\$42,000
Labor - Contract Employees	141	\$0	\$1,000	\$15,000	\$0	\$16,000
Location Preparation	143	\$135,000	\$12,500	\$2,000	\$5,000	\$154,500
Location Remediation & Maintenance	144	\$282,277	\$6,000	\$0	\$0	\$288,277
Services Miscellaneous	146	\$80,158	\$0	\$0	\$15,000	\$95,158
Mud Logging Services (\$0 / day)	147	\$34,845	\$0	\$0	\$0	\$34,845
Drilling & Completion Rig Costs	150	\$401,261	\$200,000	\$0	\$0	\$601,261
Drilling Well Turnkey Costs	152	\$0	\$0	\$0	\$0	\$0
Rig Mobilization & De-Mobilization	153	\$200,000	\$15,000	\$0	\$0	\$215,000
Security Services	154	\$0	\$0	\$0	\$0	\$0
Slickline Services	155	\$0	\$0	\$0	\$0	\$0
Survey - Location	156	\$3,000	\$0	\$0	\$0	\$3,000
Survey - Well (not associated with directional drilling)	157	\$2,500	\$0	\$0	\$0	\$2,500
Testing - Well Control Equipment	160	\$22,000	\$8,000	\$10,000	\$5,000	\$45,000
Transportation - Land	162	\$21,038	\$25,000	\$0	\$0	\$46,038
Tubular Conveyed Perforating & Drill Stem Testing Services	165	\$0	\$0	\$0	\$0	\$0
Services Welding	166	\$7,500	\$0	\$0	\$0	\$7,500
Drill Bits	301	\$70,000	\$10,000	\$0	\$2,000	\$82,000
Blow-Out Preventor	302	\$27,550	\$60,000	\$0	\$0	\$87,550
Completion Fluids	307	\$0	\$5,000	\$0	\$0	\$5,000
Cranes	310	\$41,500	\$0	\$0	\$0	\$41,500
Drill String	311	\$0	\$0	\$0	\$0	\$0
Inspection - Drill Pipe	313	\$139,234	\$215,000	\$20,000	\$0	\$374,234
Fuel	317	\$0	\$0	\$0	\$0	\$0
Gas Measurement	325	\$0	\$175,000	\$17,000	\$0	\$192,000
Rent Lost in Hole	328	\$26,163	\$0	\$0	\$0	\$26,163
Rent Miscellaneous Surface Equipment	329	\$199,287	\$0	\$0	\$0	\$199,287
Mud - Drilling	330	\$54,632	\$0	\$0	\$2,500	\$57,132
Mud Monitoring & Processing Equipment	336	\$0	\$0	\$0	\$0	\$0
Water Handling Equipment	341	\$17,425	\$0	\$18,000	\$0	\$35,425
Stabilizer, Under-Reamer, Hole-Opener	349	\$0	\$0	\$0	\$0	\$0
Vapor Recovery System	350	\$6,892	\$480,000	\$0	\$0	\$486,892
Drilling Water	351	\$0	\$0	\$0	\$0	\$0
Water Handling Equipment	501	\$0	\$0	\$0	\$0	\$0
Drilling Insurance	503	\$3,000	\$0	\$0	\$0	\$3,000
Legal Fees	511	\$0	\$0	\$0	\$0	\$0
Regulatory Compliance	511	\$10,025	\$0	\$0	\$0	\$10,025
Overhead	965	\$10,025	\$0	\$0	\$0	\$10,025
<b>Subtotal - Intangibles</b>		<b>\$2,423,143</b>	<b>\$4,690,000</b>	<b>\$131,000</b>	<b>\$48,500</b>	<b>\$7,292,643</b>
<b>TANGIBLES</b>						
Heaters - Indirect Lin	321	\$0	\$0	\$0	\$0	\$0
Oil Measurement Equipment	332	\$0	\$30,000	\$0	\$0	\$30,000
Line Pipe & Battery Fittings	335	\$0	\$0	\$78,000	\$0	\$78,000
Separators	340	\$0	\$0	\$25,000	\$0	\$25,000
Stock Tanks	345	\$0	\$0	\$62,000	\$0	\$62,000
Treaters	347	\$0	\$0	\$31,000	\$0	\$31,000
Artificial Lift	601	\$0	\$0	\$0	\$15,000	\$15,000
Casing Accessories	602	\$25,000	\$0	\$0	\$0	\$25,000
Packers / Anchors / Liner Hangers	604	\$0	\$0	\$0	\$0	\$0
Water Casing (Conductor Casing)	607	\$0	\$0	\$0	\$0	\$0
Pipe Surface Casing (\$28 / ft)	608	\$42,000	\$0	\$0	\$0	\$42,000
Pipe Intermediate Casing (\$25 / ft)	609	\$0	\$0	\$0	\$0	\$0
Production Casing/Liner	610	\$516,100	\$0	\$0	\$0	\$516,100
Pipe Casing Liner	611	\$0	\$0	\$0	\$55,000	\$55,000
Tubing	613	\$0	\$0	\$0	\$1,500	\$1,500
Rods	614	\$0	\$0	\$0	\$0	\$0
Tubing Accessories	616	\$22,500	\$0	\$196,000	\$71,500	\$290,000
Wellhead	617	\$605,600	\$30,000	\$327,000	\$120,000	\$1,082,600
<b>Subtotal - Tangibles</b>		<b>\$3,028,743</b>	<b>\$4,720,000</b>	<b>\$327,000</b>	<b>\$120,000</b>	<b>\$8,195,743</b>
<b>AFE TOTAL</b>						

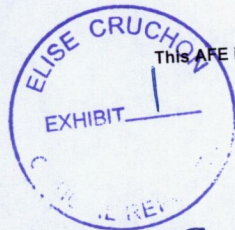
Prepared By: Kirk Fields

Date Modified: 8/11/2015

Prepared By: Michael Harvey

Date Modified: 8/11/2015

CD15-35221



9-1-15

This AFE is only an estimate. By returning one signed copy the undersigned hereby agrees to pay it share of the all actual cost incurred in

NAME: \_\_\_\_\_ COMPANY: \_\_\_\_\_

PRINTED NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_