


Well Name: Kunneman 1H-29X			
TARGET FORMATION: Woodford	AFE Drill Days =25		
PROJECT DESCRIPTION & OBJECTIVE: SPUD TO RR =20 Drill and complete an WDFD SXL lateral.			
AFE #:		PROPOSED TD 9,573 TVD / 20044 MD	
AFE TYPE: Drill and Complete		Original	

DETAIL OF ESTIMATED EXPENDITURES	COST CODE	DRILLING	COMPLETION	FACILITIES	ART LIFT	TOTAL
<b>INTANGIBLES</b>		880	881	883	882	
Base / Field Office Operations (housing, utilities, trash etc.)	101	\$43,688	\$35,000	\$0	\$0	\$78,688
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/Coll Tubing Unit	105	\$142,000	\$0	\$0	\$0	\$142,000
Communications	109	\$6,030	\$0	\$0	\$0	\$6,030
Consultants	110	\$0	\$135,000	\$0	\$0	\$135,000
Core / Fluid Analysis	111	\$0	\$0	\$0	\$2,500	\$2,500
Directional Drilling Operations	113	\$143,094	\$0	\$0	\$0	\$143,094
Environmental & Safety Services	117	\$20,108	\$30,000	\$0	\$0	\$50,108
Fishing Services	119	\$0	\$0	\$0	\$0	\$0
Fluids Disposal (includes transportation)	120	\$15,081	\$15,000	\$0	\$0	\$30,081
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	\$75,403	\$0	\$0	\$0	\$75,403
Company Labor	140	\$0	\$0	\$7,000	\$2,000	\$9,000
Labor - Contract Employees	141	\$0	\$0	\$42,000	\$0	\$42,000
Location Preparation	143	\$135,000	\$1,000	\$15,000	\$0	\$151,000
Location Remediation & Maintenance	144	\$284,169	\$12,500	\$2,000	\$0	\$298,669
Services Miscellaneous	146	\$80,336	\$6,000	\$0	\$5,000	\$91,336
Mud Logging Services	147	\$35,023	\$0	\$0	\$0	\$35,023
Drilling & Completion Rig Costs (\$0 / day)	150	\$402,688	\$200,000	\$0	\$15,000	\$617,688
Drilling Well Turnkey Costs	152	\$0	\$0	\$0	\$0	\$0
Rig Mobilization & De-Mobilization	153	\$200,000	\$0	\$0	\$0	\$200,000
Security Services	154	\$0	\$15,000	\$0	\$0	\$15,000
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	\$0	\$0	\$30,000
Transportation - Land	162	\$21,081	\$25,000	\$10,000	\$5,000	\$61,081
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	\$0	\$80,000
Blow-Out Preventor	302	\$27,608	\$60,000	\$0	\$2,000	\$89,608
Completion Fluids	304	\$0	\$5,000	\$0	\$0	\$5,000
Cranes	307	\$0	\$8,500	\$0	\$0	\$8,500
Drill String	310	\$41,500	\$0	\$0	\$0	\$41,500
Inspection - Drill Pipe	311	\$0	\$0	\$0	\$0	\$0
Fuel	313	\$139,520	\$215,000	\$0	\$0	\$354,520
Gas Measurement	317	\$0	\$0	\$20,000	\$0	\$20,000
Rent Lost in Hole	325	\$0	\$0	\$0	\$0	\$0
Rent Miscellaneous Surface Equipment	328	\$26,234	\$175,000	\$17,000	\$0	\$218,234
Mud - Drilling	329	\$200,000	\$0	\$0	\$0	\$200,000
Mud Monitoring & Processing Equipment	330	\$54,782	\$0	\$0	\$0	\$54,782
Water Handling Equipment	336	\$0	\$0	\$0	\$2,500	\$2,500
Stabilizer, Under-Reamer, Hole-Opener	341	\$17,454	\$0	\$0	\$0	\$17,454
Vapor Recovery System	349	\$0	\$0	\$18,000	\$0	\$18,000
Drilling Water	350	\$6,912	\$480,000	\$0	\$0	\$486,912
Water Handling Equipment	351	\$0	\$0	\$0	\$0	\$0
Drilling Insurance	501	\$0	\$0	\$0	\$0	\$0
Legal Fees	503	\$3,000	\$0	\$0	\$0	\$3,000
Regulatory Compliance	511	\$0	\$0	\$0	\$0	\$0
Overhead	965	\$10,054	\$0	\$0	\$0	\$10,054
<b>Subtotal - Intangibles</b>		<b>\$2,429,356</b>	<b>\$4,690,000</b>	<b>\$131,000</b>	<b>\$48,500</b>	<b>\$7,298,856</b>
<b>TANGIBLES</b>		880	881	883	882	
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	609	\$0	\$0	\$0	\$0	\$0
Production Casing/Liner (\$25 / ft)	610	\$521,144	\$0	\$0	\$0	\$521,144
Pipe Casing Liner	611	\$0	\$0	\$0	\$0	\$0
Tubing	613	\$0	\$0	\$0	\$55,000	\$55,000
Rods	614	\$0	\$0	\$0	\$0	\$0
Tubing Accessories	616	\$0	\$0	\$0	\$1,500	\$1,500
Wellhead	617	\$22,500	\$0	\$0	\$0	\$22,500
<b>Subtotal - Tangibles</b>		<b>\$610,644</b>	<b>\$30,000</b>	<b>\$196,000</b>	<b>\$71,500</b>	<b>\$908,144</b>
<b>AFE TOTAL</b>		<b>\$3,040,000</b>	<b>\$4,720,000</b>	<b>\$327,000</b>	<b>\$120,000</b>	<b>\$8,207,000</b>

Prepared By Thomas Frank Date: 4/1/2015	Prepared By Michael Harvey Date: 4/1/2015
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CRUCHON  
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EXHIBIT  
C.S.R.  
4-10-15  
OFFICIAL REPORTER

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: \_\_\_\_\_