

Well Name: Vogt 1H-9X				
STACK	AFE Drill Days = 21			
PROJECT DESCRIPTION & OBJECTIVE:				
		AFE #:		
		PROPOSED TC	8,400 TVD /	19000 MD
		AFE TYPE:	Drill and Complete Original	

DETAIL OF ESTIMATED EXPENDITURES	COST CODE	DRILLING	COMPLETION	COMPLETION	TOTAL
INTANGIBLES		880	881	883	
Base / Field Office Operations (housing, utilities, trash etc.)	101	\$31,200	\$35,000	\$0	\$66,200
Cased Hole Electric Wireline	102	\$0	\$430,000	\$0	\$430,000
Services - Casing Crews and Running Tools	103	\$45,000	\$50,000	\$0	\$95,000
Services Cementing/Coil Tubing Unit	105	\$175,000		\$0	\$175,000
Communications	109	\$5,850		\$0	\$5,850
Consultants	110	\$83,201	\$120,000	\$3,000	\$206,201
Core / Fluid Analysis	111	\$0		\$0	\$0
Directional Drilling Operations	113	\$260,003		\$0	\$260,003
Environmental & Safety Services	117	\$1,040	\$30,000	\$0	\$31,040
Fishing Services	119	\$0		\$0	\$0
Fluids Disposal (includes transportation)	120	\$57,201	\$15,000	\$0	\$72,201
Services Formation Evaluation	121	\$0		\$0	\$0
Formation Stimulation - Fracturing	122		\$1,913,500	\$0	\$1,913,500
Formation Stimulation - Other	123		\$20,000	\$0	\$20,000
Inspection - Bottom Hole Assembly	129	\$5,000		\$0	\$5,000
Inspection - Casing	130	\$5,000		\$0	\$5,000
Inspection - Drill Pipe	131	\$25,000		\$0	\$25,000
Inspection - Tubing	133	\$0	\$10,500	\$0	\$10,500
Installation / Removal - Pipeline	135			\$50,000	\$50,000
Labor - Company Supervision	139	\$0		\$0	\$0
Company Labor	140	\$0		\$2,000	\$2,000
Labor - Contract Employees	141	\$0		\$0	\$0
Location Preparation	143	\$150,000	\$1,000	\$0	\$151,000
Location Remediation & Maintenance	144	\$250,000	\$12,500	\$0	\$262,500
Services Miscellaneous	146	\$0	\$6,000	\$0	\$6,000
Mud Logging Services	147	\$18,900		\$0	\$18,900
Drilling & Completion Rig Costs (\$21,325 / day)	150	\$447,832	\$100,000	\$14,000	\$561,832
Drilling Well Turnkey Costs	152	\$0		\$0	\$0
Rig Mobilization & De-Mobilization	153	\$200,000		\$0	\$200,000
Security Services	154	\$0	\$15,000	\$0	\$15,000
Slickline Services	155	\$0		\$0	\$0
Survey - Location	156	\$1,500		\$0	\$1,500
Survey - Well (not associated with directional drilling)	157	\$0		\$0	\$0
Testing - Well Control Equipment	160	\$7,500	\$8,000	\$0	\$15,500
Transportation - Land	162	\$8,580	\$25,000	\$13,000	\$46,580
Tubular Conveyed Perforating & Drill Stem Testing Services	165	\$0		\$0	\$0
Services Welding	166	\$3,500		\$0	\$3,500
Drill Bits	301	\$120,000	\$10,000	\$0	\$130,000
Blow-Out Preventor	302	\$13,000	\$50,000	\$0	\$63,000
Completion Fluids	304		\$5,000	\$0	\$5,000
Cranes	307	\$0	\$8,500	\$10,000	\$18,500
Drill String	310	\$7,500		\$0	\$7,500
Fuel	313	\$81,883	\$200,000	\$0	\$281,883
Gas Measurement	317	\$0		\$13,200	\$13,200
Rent Lost in Hole	325	\$0		\$0	\$0
Rent Miscellaneous Surface Equipment	328	\$9,350	\$150,000	\$72,000	\$231,350
Mud - Drilling	329	\$301,049		\$0	\$301,049
Mud Monitoring & Processing Equipment	330	\$49,401		\$0	\$49,401
Stabilizer, Under-Reamer, Hole-Opener	341	\$10,400		\$0	\$10,400
Vapor Recovery System	349	\$0		\$20,000	\$20,000
Drilling Water	350	\$15,600	\$480,000	\$0	\$495,600
Water Handling Equipment	351	\$0		\$16,000	\$16,000
Drilling Insurance	501	\$10,000		\$0	\$10,000
Legal Fees	503	\$15,000		\$0	\$15,000
Regulatory Compliance	511	\$1,500		\$0	\$1,500
Overhead	965	\$10,010		\$0	\$10,010
Subtotal - Intangibles		\$2,426,000	\$3,695,000	\$213,200	\$6,334,200
TANGIBLES		880	881	883	
Oil Measurement Equipment	332			\$0	\$0
Line Pipe & Battery Fittings	335			\$0	\$0
Separators	340			\$34,000	\$34,000
Stock Tanks	345			\$58,000	\$58,000
Treaters	347			\$0	\$0
Artificial Lift	601			\$25,000	\$25,000
Casing Accessories	602	\$46,000		\$0	\$46,000
Packers / Anchors / Liner Hangers	604	\$0		\$0	\$0
Water Casing (Conductor Casing)	607	\$10,000		\$0	\$10,000
Pipe Surface Casing (\$40 / ft)	608	\$42,000		\$0	\$42,000
Pipe Intermediate Casing	609	\$0		\$0	\$0
Production Casing/Liner (\$26 / ft)	610	\$494,000		\$0	\$494,000
Pipe Casing Liner	611	\$0		\$68,000	\$68,000
Tubing	613			\$0	\$0
Rods	614			\$7,500	\$7,500
Tubing Accessories	616	\$22,000	\$30,000		\$52,000
Wellhead	617	\$614,000	\$30,000	\$192,500	\$836,500
Subtotal - Tangibles		\$614,000	\$30,000	\$192,500	\$836,500
AFE TOTAL		\$3,040,000	\$3,725,000	\$405,700	\$7,170,700

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

PREPARED BY: T Frank

NAME: _____
 PRINTED NAME: _____
 TITLE: _____

COMPANY: _____
 DATE: _____



5/3/16