

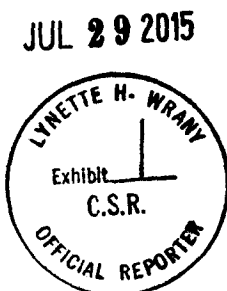
Well Name: Rodenburg 1H-6X TARGET FORMATION: MPMC PROJECT DESCRIPTION & OBJECTIVE: Drill a 10,000' MPMC well		AFE Drill Days =26 SPUD TO RR =21	<div style="border: 2px solid black; padding: 5px; margin: 0 auto; width: 150px;"> NEWFIELD </div>			
			AFE #:			
			PROPOSED TI 9774' TVD / 20,348' MD			
			AFE TYPE: Drill and Complete Original			

DETAIL OF ESTIMATED EXPENDITURES	COST CODE	DRILLING	COMPLETION	FACILITIES	ART LIFT	TOTAL
INTANGIBLES		880	881	883	882	
Base / Field Office Operations (housing, utilities, trash etc.)	101	\$18,025	\$30,000	\$0	\$0	\$48,025
Cased Hole Electric Wireline	102	\$0	\$480,000	\$0	\$10,000	\$470,000
Services - Casing Crews and Running Tools	103	\$100,000	\$50,000	\$0	\$4,500	\$154,500
Services Cementing/Coil Tubing Unit	105	\$150,000	\$0	\$0	\$0	\$150,000
Communications	109	\$5,150	\$0	\$0	\$0	\$5,150
Consultants	110	\$77,252	\$150,000	\$0	\$0	\$227,252
Core / Fluid Analysis	111	\$0	\$0	\$0	\$2,500	\$2,500
Directional Drilling Operations	113	\$145,007	\$0	\$0	\$0	\$145,007
Environmental & Safety Services	117	\$1,288	\$35,000	\$0	\$0	\$36,288
Fishing Services	119	\$0	\$0	\$0	\$0	\$0
Fluids Disposal (includes transportation)	120	\$140,000	\$20,000	\$0	\$0	\$160,000
Services Formation Evaluation	121	\$0	\$0	\$0	\$0	\$0
Formation Stimulation - Fracturing	122	\$0	\$2,230,000	\$0	\$0	\$2,230,000
Formation Stimulation - Other	123	\$0	\$20,000	\$0	\$0	\$20,000
Hot Oiling Services	128	\$0	\$9,000	\$0	\$0	\$9,000
Inspection - Bottom Hole Assembly	129	\$5,000	\$0	\$0	\$0	\$5,000
Inspection - Casing	130	\$0	\$0	\$0	\$0	\$0
Inspection - Drill Pipe	131	\$25,000	\$0	\$0	\$0	\$25,000
Inspection - Tubing	133	\$0	\$2,000	\$0	\$0	\$2,000
Installation / Removal - Pipeline	135	\$0	\$0	\$0	\$0	\$0
Labor - Company Supervision	139	\$25,751	\$0	\$0	\$0	\$25,751
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	\$100,000	\$1,000	\$15,000	\$0	\$116,000
Location Remediation & Maintenance	144	\$170,000	\$12,500	\$2,000	\$0	\$184,500
Services Miscellaneous	146	\$32,751	\$6,500	\$0	\$5,000	\$44,251
Mud Logging Services	147	\$23,176	\$0	\$0	\$0	\$23,176
Drilling & Completion Rig Costs (\$0 / day)	150	\$746,769	\$115,000	\$0	\$15,000	\$876,769
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	\$1,500	\$0	\$0	\$0	\$1,500
Survey - Well (not associated with directional drilling)	157	\$4,500	\$0	\$0	\$0	\$4,500
Testing - Well Control Equipment	160	\$2,500	\$8,000	\$0	\$0	\$10,500
Transportation - Land	162	\$0	\$25,000	\$10,000	\$5,000	\$40,000
Tubular Conveyed Perforating & Drill Stem Testing Services	165	\$0	\$0	\$0	\$0	\$0
Services Welding	166	\$3,000	\$0	\$0	\$0	\$3,000
Drill Bits	301	\$190,939	\$10,000	\$0	\$0	\$200,939
Blow-Out Preventor	302	\$25,751	\$50,000	\$0	\$2,000	\$77,751
Completion Fluids	304	\$0	\$5,000	\$0	\$0	\$5,000
Cranes	307	\$0	\$10,000	\$0	\$0	\$10,000
Drill String	310	\$5,252	\$0	\$0	\$0	\$5,252
Inspection - Drill Pipe	311	\$0	\$0	\$0	\$0	\$0
Fuel	313	\$167,379	\$235,000	\$0	\$0	\$402,379
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	\$12,875	\$165,000	\$17,000	\$0	\$194,875
Mud - Drilling	329	\$248,012	\$0	\$0	\$0	\$248,012
Mud Monitoring & Processing Equipment	330	\$90,127	\$0	\$0	\$0	\$90,127
Water Handling Equipment	336	\$0	\$0	\$0	\$2,500	\$2,500
Stabilizer, Under-Reamer, Hole-Opener	341	\$6,438	\$0	\$0	\$0	\$6,438
Vapor Recovery System	349	\$0	\$0	\$18,000	\$0	\$18,000
Drilling Water	350	\$7,725	\$480,000	\$0	\$0	\$487,725
Water Handling Equipment	351	\$0	\$0	\$0	\$0	\$0
Drilling Insurance	501	\$10,000	\$0	\$0	\$0	\$10,000
Legal Fees	503	\$25,000	\$0	\$0	\$0	\$25,000
Regulatory Compliance	511	\$1,500	\$0	\$0	\$0	\$1,500
Overhead	965	\$10,944	\$0	\$0	\$0	\$10,944
Subtotal - Intangibles		\$2,778,610	\$4,144,000	\$131,000	\$48,500	\$7,102,110
TANGIBLES		880	881	883	882	
Heaters - Indirect Lin	321	\$0	\$0	\$0	\$0	\$0
Oil Measurement Equipment	332	\$0	\$0	\$0	\$0	\$0
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	\$60,000	\$0	\$0	\$0	\$60,000
Packers / Anchors / Liner Hangers	604	\$0	\$0	\$0	\$0	\$0
Water Casing (Conductor Casing)	607	\$15,000	\$0	\$0	\$0	\$15,000
Pipe Surface Casing (\$28 / ft)	608	\$17,500	\$0	\$0	\$0	\$17,500
Pipe Intermediate Casing (\$33 / ft)	609	\$290,400	\$0	\$0	\$0	\$290,400
Production Casing/Liner (\$25 / ft)	610	\$605,490	\$0	\$0	\$0	\$605,490
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	\$33,000	\$30,000	\$0	\$0	\$63,000
Subtotal - Tangibles		\$1,021,390	\$30,000	\$196,000	\$71,500	\$1,318,890
AFE TOTAL		\$3,800,000	\$4,174,000	\$327,000	\$120,000	\$8,421,000

Scope By	Prepared By	Prepared By	Prepared By	Prepared By
Date Modified	Date Modified	Date Modified	Date Modified	Date Modified
7/28/2015	7/28/2015	7/28/2015	7/28/2015	7/28/2015

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: _____



CD 201407473-5