

Project Investment Estimate Chaparral - 2015 - Non-Pad

**Chaparral ENERGY**

DATE: July 14, 2016

Rev # & Date:

AFE NO: NA

COUNTY: Kingfisher

STATE: OK

TEAM: Stillwater

Well/Project: Luigi 1605 #1UMH-19

Prospect: Dover Offset

Location: W/2 of Sec. 19-16N-5W, Kingfisher

Objective: Developmental

Type Well: Horizontal

EST TD: 12,800 ft MD

OTHER:

INTANGIBLES	DRYHOLE COSTS	COMPLETION COSTS	TOTAL COSTS
Surface Damages, Right of Way and other Permits, & Legal Fees	\$45,000	\$1,420	\$46,420
Roads, Location & Restoration	\$80,000	\$15,000	\$95,000
Conductor Hole & Services	\$10,000	\$0	\$10,000
Mob/Demob	\$118,200	\$0	\$118,200
Drilling (Day, Flg, Turnkey)	\$189,000	\$40,500	\$229,500
Fuel, Water & Power	\$63,700	\$108,380	\$172,080
Mud, Materials & Services	\$100,000	\$0	\$100,000
Drilling Bits	\$45,500	\$0	\$45,500
Directional Equipment & Services	\$122,000	\$0	\$122,000
Surface & Downhole Rental Equipment	\$113,000	\$109,250	\$222,250
Logging & Formation Evaluation	\$11,900	\$0	\$11,900
Cementing, Materials & Services	\$25,000	\$15,000	\$40,000
Hotshots & Equipment Delivery	\$10,000	\$19,875	\$29,875
Supervision & Technical Services	\$57,600	\$24,600	\$82,200
Pipe Crews - Equipment & Labor	\$40,000	\$18,500	\$58,500
Labor & Supplies	\$45,000	\$0	\$45,000
Insurance	\$37,345	\$0	\$37,345
Overhead	\$7,000	\$2,500	\$9,500
Plugging & Abandonment	\$0	\$0	\$0
Completion Rig	\$0	\$5,700	\$5,700
Perforating & Wireline Work	\$0	\$62,500	\$62,500
Fracturing, Acidizing & Sand Control	\$0	\$900,000	\$900,000
Coiled Tubing Unit & N2	\$0	\$57,800	\$57,800
Completion Drillout Equipment & Services	\$0	\$21,000	\$21,000
Flowback Services & Haul Off	\$0	\$37,830	\$37,830
Miscellaneous Intangibles	\$2,000	\$1,200	\$3,200
Contingency - Intangible	\$56,000	\$72,000	\$128,000
<b>TOTAL INTANGIBLES</b>	<b>\$1,178,245</b>	<b>\$1,513,055</b>	<b>\$2,691,300</b>

TANGIBLES	DRYHOLE COSTS	COMPLETION COSTS	TOTAL COSTS
Conductor	\$0	\$0	\$0
SELECT CATEGOF	\$0	\$0	\$0
Surface	\$16,800	\$0	\$16,800
Intermediate	\$200,200	\$0	\$200,200
Liner	\$0	\$86,100	\$86,100
Tubing	\$0	\$24,050	\$24,050
Plugs, Packers, Tubing Anchors, Liner Hanger	\$0	\$95,000	\$95,000
Wellhead Equipment	\$5,000	\$21,000	\$26,000
Pumping Unit, Prime Mover & Rods	\$0	\$0	\$0
Artificial Lift (Gas Lift)	\$0	\$14,000	\$14,000
Well Site Flowlines, Connections, Valves & Gauges	\$0	\$47,000	\$47,000
Stock Tanks	\$0	\$27,500	\$27,500
Separation Equipment	\$0	\$35,000	\$35,000
Gas Prod. Unit, Dehydrator	\$0	\$26,000	\$26,000
Well Site Labor & Services	\$0	\$22,000	\$22,000
Electrical Installation & Equipment	\$0	\$28,000	\$28,000
SWD Flowlines & Equipment	\$0	\$0	\$0
Misc. Lease Equipment	\$0	\$31,000	\$31,000
Contingency - Tangible	\$0	\$14,000	\$14,000
<b>TOTAL TANGIBLES</b>	<b>\$222,000</b>	<b>\$470,850</b>	<b>\$692,850</b>
<b>TOTAL COST &gt;&gt;&gt;</b>	<b>\$1,400,245</b>	<b>\$1,983,705</b>	<b>\$3,383,950</b>

<p><b>WIO APPROVAL</b></p> <p>COMPANY: _____</p> <p>APPROVED BY: _____</p> <p>DATE: _____</p> <p>WI: _____</p>	<p><b>CHAPARRAL ENERGY COST ESTIMATE APPROVAL</b></p> <p>APPROVED BY: <u>[Signature]</u></p> <p>TITLE: <u>Resource Development Mgr</u></p> <p>DATE: <u>7/6/16</u></p>
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This AFE is an estimate of proposed expenditures. By execution of this AFE, WIO acknowledges that this is an estimate only and agrees to reimburse CELLC for actual cost.

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