

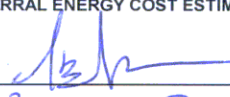
**Project Investment Estimate**      **Chaparral - 2015 - Non-Pad**

<b>Chaparral ENERGY</b>	
DATE:	July 14, 2016
Rev # & Date:	
AFE NO:	NA
COUNTY:	Kingfisher
STATE:	OK
TEAM:	Stillwater

Well/Project:	Mario 1605 #1UMH-18		
Prospect :	Dover Offset		
Location:	W/2 of Sec. 18-16N-5W, Kingfisher		
Objective :	Developmental	EST TD:	12,800 ft MD
Type Well:	Horizontal	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	4 Day(s) @ 80% Day Rate (MOB) + \$75000 Additional Services & Trucking	\$118,200	\$118,200
Drilling (Day, Flg, Turnkey)	14 DRLG Days & 3 C&S Days @ \$13500/Day	\$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	2 Days @ \$2,850 /Day	\$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	5% Drilling      5% Completion	\$56,000      \$72,000	\$128,000
<b>TOTAL INTANGIBLES</b>		<b>\$1,178,245</b>	<b>\$1,513,055</b>

TANGIBLES	DRYHOLE COSTS	COMPLETION COSTS	TOTAL COSTS
Conductor	80 ft. 20" 94# H-40 STC @ \$125.00 /ft. (In Conductor Hole & Services)	\$0	\$0
SELECT CATEGOF	0 ft. 13 3/8" 48# H-40 STC @ \$31.00 /ft.	\$0	\$0
Surface	600 ft. 9 5/8" 36# J-55 LTC @ \$28.00 /ft.	\$16,800	\$16,800
Intermediate	7700 ft. 7" 26# N-80 CDC @ \$26.00 /ft. CDC	\$200,200	\$200,200
Liner	5100 ft. 4 1/2" 11.6# P-110 BTC @ \$11.00 /ft. CDC	\$56,100	\$56,100
Tubing	7400 ft. 2 7/8" 6.5# J-55 EUE 8RD @ \$3.25 /ft.	\$24,050	\$24,050
Plugs, Packers, Tubing Anchors, Liner Hanger		\$95,000	\$95,000
Wellhead Equipment		\$21,000	\$26,000
Pumping Unit, Prime Mover & Rods		\$0	\$0
Artificial Lift (Gas Lift)		\$14,000	\$14,000
Well Site Flowlines, Connections, Valves & Gauges		\$47,000	\$47,000
Stock Tanks		\$27,500	\$27,500
Separation Equipment		\$35,000	\$35,000
Gas Prod. Unit, Dehydrator		\$26,000	\$26,000
Well Site Labor & Services		\$22,000	\$22,000
Electrical Installation & Equipment		\$28,000	\$28,000
SWD Flowlines & Equipment		\$0	\$0
Misc. Lease Equipment		\$31,000	\$31,000
Contingency - Tangible	0% Drilling      3% Completion	\$0      \$14,000	\$14,000
<b>TOTAL TANGIBLES</b>		<b>\$222,000</b>	<b>\$470,650</b>
<b>TOTAL COST &gt;&gt;&gt;</b>		<b>\$1,400,245</b>	<b>\$1,983,705</b>

<p align="center"><b>WIO APPROVAL</b></p> <p>COMPANY: _____</p> <p>APPROVED BY: _____</p> <p>DATE: _____</p> <p>WI: _____</p>	<p align="center"><b>CHAPARRAL ENERGY COST ESTIMATE APPROVAL</b></p> <p>APPROVED BY: </p> <p>TITLE: <u>Resource Development Mgr</u></p> <p>DATE: <u>7/20/16</u>      <u>9/6/16 mhm</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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AFE WORKBOOK - v1042012 - STD



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