

 Operator:
 Felix Energy LLC
 Date:
 11/12/2014

 Well Name:
 Sundown 12-4H
 Field:

 Proposed TO:
 16326' MD/11555' TVD
 County, State:
 Blaine, OK

 Location:
 12 - 15N - 11W
 Objective:
 Woodford

 Purpose:
 Drill, complete & equip horizontal well
 AFE No.:

ntangibl	es		Drilling (830)	Completion (840)	Facility (840)	Total
010	Permits, Licenses, Etc		6,000			6,000
020	Staking & Surveying		8,000			8,000
025	Road, Locations		150,000	30,000	5,000	185,000
030	Damages		50,000			50,000
035	Mobilization/Demobilization		264,000			264,000
040		22 days @ \$23500	522,500	-		522,500
045	Footage Contract		-			-
050	Mouse/Rathole/Conduct Pipe		15,500			15,500
055	Directional Drilling & Surveying		282,000			282,000
060	Bits, Tools, Stabilizers		104,956	30,000		134,956
065	Fuel, Power		131,600	8,750		140,350
070	Drill Water		16,800	-		16,800
075	Mud & Chemicals		210,000			210,000
080	Mud Logging		24,000			24,000
085	Drill Stem Testing		-			
090	Core Analysis		- 1			
095	Openhole Logging					
100	Cement Services/Float Equip		125,000	-		125,000
105	Transportation, Trucking		63,600	25,000		88,600
110	Casing Crew & Equipment		53,065	-		53,065
115	Welding Services		15,000	5,000	10,000	30,000
120	Contract Labor		25,000	12,500	-	37,500
125	Rental Equipment		154,150	177,000	5,000	336,150
130	Completion Rig			66,000		66,000
135	Coiled Tubing					-
140	Cased Hole Logs & Surveys			6,500		6,500
145	Perforating/Wireline Services			252,500		252,500
150	Miscellaneous		75,000	175,000		250,000
155		Stage Plug & Perf		2,194,900		2,194,900
160	Well Testing			50,000	****	50,000
165	Completion Fluids			15,000		15,000
170	Other Services		298,850	74,500		373,350
175	Supervision		103,600	117,600	-	221,200
180	Overhead		11,032	6,000		17,032
185	Well Control Insurance		16,326			16,326
190	Legal, Title Services		3,000			3,000
195	P&A Costs		• 7	-		-
200				45.000		
200	(Contingency		81,869	97,388	1	179,25
200	Contingency	otal - Intangibles	81,869 2,810,848	97,388 3,343,638	20,000	179,257 6,174,48 6
	Subt	otal - Intangibles			20,000 Facility	6,174,486
	Subt	otal - Intangibles	2,810,848	3,343,638		
Fangible	Subt Conductor Casing		2,810,848 Drilling (850)	3,343,638 Completion	Facility	6,174,486 Yotal
Tangible	Subt Conductor Casing Surface Casing 1500' 5	9.625 40# K-55 STC	2,810,848 Drilling (850) - 36,990	3,343,638 Completion	Facility	6,174,486 Total - 36,99
010 015 120	Subt Conductor Casing Surface Casing 1500' 5		2,810,848 Drilling (850)	3,343,638 Completion	Facility	6,174,486 Total
Tangible	Subt Conductor Casing Surface Casing 1500' 5	9.625 40# K-55 STC	2,810,848 Drilling (850) 36,990 332,534	3,343,638 Completion	Facility	6,174,486 Total - 36,99 332,53
010 015 120 125 130	Subte Subter Sub	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850)	3,343,638 Completion	Facility	6,174,484 Yotal - 36,99 332,53
010 015 120 125	Subto Conductor Casing Surface Casing 1500° S Intermediate Casing 1135 Drilling Liner Production Casing Production Liner 5471' 4	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534	3,343,638 Completion (860)	Facility	6,174,484 Yotal
010 015 120 125 130	Subto Conductor Casing Surface Casing 1500° S Intermediate Casing 1135 Drilling Liner Production Casing Production Liner 5471' 4	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850)	3,343,638 Completion (860)	Facility	6,174,48/ Yotal 36,99 332,53 - 72,38 45,91
010 015 120 125 130 135	Subte Subte Subtered Surface Casing Surface Casing 1500° Surface Casing 1135 Drilling Liner Production Casing Production Liner 5471'4	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850)	3,343,638 Completion (860)	Facility	6,174,48/ Yotal
010 015 120 125 130 135 140	Subb Conductor Casing Surface Casing Intermediate Casing Drilling Liner Production Casing Production Liner Froduction Tubing 10555' 2.	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850)	3,343,638 Completion (860)	Facility (850)	6,174,48: Total
010 015 120 125 130 135 140	Subbt Conductor Casing Surface Casing 1500° 9 Intermediate Casing 1135 Drilling Liner Production Casing Production Liner Production Tubing 10555° 2 Wellhead Equipment	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381	3,343,638 Completion (860) 45,914 15,000	Facility	6,174,48: Total - 36,99 332,53 - 72,38 45,91 37,00
010 015 120 125 130 135 140 145 150 155	Subb Conductor Casing Surface Casing 1500° 9 Intermediate Casing 1135 Drilling Liner Production Casing Production Liner Production Tubing 10555° 2 Wellhead Equipment Float Equip/Liner Hanger	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381	3,343,638 Completion (860)	Facility (850)	6,174,48 Yotal - 36,99 332,53 - 72,38 45,91 37,00 - 60,000 15,00
120 120 125 130 135 140 145 150 155 160 165	Subbs Conductor Casing 1500° S Surface Casing 1500° S Intermediate Casing 1135 Drilling Uner Production Casing Production Liner 5471′ 4 Production Tubing 10555° 2 Wellhead Equipment Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Subrace Equipment Surface Equipment Surface Equipment Surface Equipment Surface Equipment Surface Equipment Surface Equipment Subsurface Equipment Subsurface Equipment Surface Equipment Surface Equipment Surface Equipment Subsurface Equipment Surface	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381 22,000	3,343,638 Completion (860) 45,914 15,000	Facility (850) 60,000 187,000	6,174,48 Yotal
010 010 015 120 125 130 135 140 145 150 155 160	Subbs Conductor Casing Surface Casing 1500° 9 Intermediate Casing 1135 Drilling Liner Production Casing Production Liner Production Tubing 10555° 2 Wellhead Equipment Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Surface Equipment Surface Equipment Surface Equipment Supervision	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381	3,343,638 Completion (860) 45,914 15,000	Facility (850) 60,000 187,000 21,500	6,174,48 Total - 36,99 332,53 - 72,38 45,91 37,00 - 60,00 187,00 22,60
angible 010 015 120 125 130 135 140 145 150 160 165 170	Subb Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing 1135 Drilling Liner Production Casing Production Tubing Production Tubing Wellhead Equipment Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Surface Equipment Surface Equipment Supervision Hauling	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381 22,000	3,343,638 Completion (860) 45,914 15,000	Facility (850) 60,000 187,000 21,600 5,000	6,174,48 Total
010 015 120 125 130 135 140 150 155 150 165 170	Subb Conductor Casing Surface Casing 1500° S Intermediate Casing 1135 Drilling Liner Production Casing Production Liner S471′ 4 Production Tubing 1055° 2 Wellhead Equipment Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Surface Equipment Supervision Hauling Compressors	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381 22,000	3,343,638 Completion (860) 45,914 15,000	60,000 187,000 21,600 5,000	6,174,48 Yotal
010 015 120 120 135 130 135 140 145 150 155 160 170 175 180	Subbs Conductor Casing Surface Casing Intermediate Casing Drilling Liner Production Casing Production Liner Production Tubing 10555' 2. Wellhead Equipment Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Surface Equipment Surface Equipment Surface Equipment Surface Equipment Compressors Artificial Lift (surface)	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381 22,000	3,343,638 Completion (860) 45,914 15,000	Facility (850) 60,000 187,000 21,600 5,000	6,174,48 Total
010 015 125 130 135 145 145 150 165 170 180 185	Subte Conductor Casing Conductor Casing Surface Casing Intermediate Casing Intermediate Casing 1307 9 Intermediate Casing 1135 Drilling Liner Production Casing Production Tubing Production Tubing 10555' 2 Wellhead Equipment Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Surface Equipment Surface Equipment Surface Equipment Surface Intermediate Supervision Hauling Compressors Artificial Lift (Surface) Artificial Lift (downhole)	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381 22,000	3,343,638 Completion (860) 45,914 15,000	60,000 187,000 21,600 5,000	6,174,48 Total
Cangible: 010 015 120 125 130 140 145 150 155 166 170 175 180 185 186	Subbs Conductor Casing Surface Casing Surface Casing 1500° 9 Intermediate Casing 1135 Drilling Liner Production Casing Production Liner Production Liner S471′ 4 Production Tubing 1055° 2 Wellhead Equipment Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Surface Equipment Supervision Hauling Compressors Artificial Lift (surface) Artificial Lift (surface) Artificial Lift (downhole) Power	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381 22,000	3,343,638 Completion (860) 45,914 15,000	Facility (850) 60,000 187,000 21,600 5,000 -	6,174,48 Yotal 36,99 332,53 72,31 45,93 37,00 15,00 121,60 5,00 21,60 20,00
010 015 120 125 130 145 140 145 150 160 165 177 175 186 186 199	Subbs Conductor Casing Surface Casing 1500° S Intermediate Casing 1135 Drilling Liner Production Casing Production Liner Production Tubing 10555° 2 Wellhead Equipment Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Supervision Hauling Compressors Artificial Lift (surface) Artificial Lift (downhole) Power Flow Lines	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381 22,000	3,343,638 Completion (860) 45,914 15,000	Facility (860) 60,000 187,000 21,600 5,000	6,174,48 Total
010 015 120 130 135 130 135 145 145 155 160 165 170 175 180 181 186 190	Subb Conductor Casing Surface Casing 1500° S Intermediate Casing 1135 Drilling Liner Production Casing Production Liner Production Tubing 10555° 2 Wellhead Equipment Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Supervision Hauling Compressors Artificial Lift (surface) Artificial Lift (surface) Power Flow Lines Pipeline & Metering	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381 22,000	3,343,638 Completion (860) 45,914 15,000 	Facility (850) 60,000 187,000 21,600 5,000 -	6,174,48 Total
010 015 120 125 130 140 145 155 160 170 175 180 185 180 185 180 185 180 185 180 185 186 180 185 186 186 186 186 186 186 186 186 186 186	Subte Conductor Casing Surface Casing 1500° S Intermediate Casing 1135 Drilling Liner Production Liner Production Liner Production Liner S471′ 4 Production Tubing 10555° 2 Wellhead Equipment Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Supervision Hauling Compressors Artificial Lift (surface) Artificial Lift (downhole) Power Flow Lines Pipeline & Metering Misc & TCC Contingency	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381 22,000	3,343,638 Completion (860) 45,914 15,000	Facility (860) 60,000 187,000 21,500 5,000 15,000 30,000	6,174,48 Yotal 36,99 332,53 72,38 45,91 37,00 60,00 1.5,00 1.5,00 2.1,60 5.00 20,00 15,00 30,00
010 015 120 130 135 130 135 145 150 155 160 165 170 175 180 180 190	Subbs Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Intermediate Casing Orilling Liner Production Casing Production Liner Froduction Tubing Intermediate Froduction Tubing Intermediate Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Surface Equipment Surface Equipment Surface Equipment Compressors Artificial Lift (surface) Artificial Lift (downhole) Power Flow Lines Pipeline & Metering Misc & TCC Contingency Build Battery Build Battery	9.625 40# K-55 STC 2' 7 32# P-110 BTC 375in Prod Tubing	2,810,848 Drilling (850) 36,990 332,534 72,381 22,000	3,343,638 Completion (860) 45,914 15,000 	Facility (850) 60,000 187,000 21,600 5,000 15,000 30,000 44,000	6,174,48 Total
010 015 120 125 130 140 145 155 160 170 175 180 185 180 185 180 185 180 185 186 186 187 187 188 189 189 189 189 189 189 189 189 189	Subbs Conductor Casing Surface Casing Intermediate Casing Intermediate Casing Intermediate Casing Intermediate Casing Orilling Liner Production Casing Production Liner Froduction Tubing Intermediate Froduction Tubing Intermediate Float Equip/Liner Hanger Nipple/ Valve/ Fitting/Flowline Subsurface Equipment Surface Equipment Surface Equipment Surface Equipment Compressors Artificial Lift (surface) Artificial Lift (downhole) Power Flow Lines Pipeline & Metering Misc & TCC Contingency Build Battery Build Battery	9.625 40# K-55 STC 2' 7 32# P-110 BTC	2,810,848 Drilling (850) 36,990 332,534 - - 72,381 22,000	3,343,638 Completion (860) 45,914 15,000 	Facility (860) 60,000 187,000 21,500 5,000 15,000 30,000	6,174,48 Yotal

Felix Energy LLC Approval		
Approved by:	- TE (/3/15	JUN 02 2015
Date: //-/9 -/ 9	- KZ 61413	-
Working Interest Owner Approval		- SETTE H. NO
Approved by:	_	JAE. TAR
Date:	_	Exhibit
THIS AFE IS ONLY AN ESTIMATE. BY RETURNING ONE SIGNED COPY, PARTY A	GREES TO PAY ITS WORKING INTEREST SHARE OF ACTUAL COSTS INCURRED.	C.S.R.
		OFFICIAL REPORTE
		THE REPORT