AUTHORIZATION FOR EXPENDITURE

EXPLORATION DRILLING / COMPLETION AFE

PROSPECT: DIAN

Canadian OK

TOTAL COMPLETION COSTS

Prepared by: Steve Henley

TOTAL ESTIMATED WELL COST

 PAYROCK ENERGY, LLC
 AUTHORIZATION FOR EXEMPLY

 WELLNAME:
 1307 #1-24MH

 AFE TITLE:
 Drilling/Completion

 PROJECT AFE NO 2015-00XX
 DEPTH:
 14,600'

 FIELD:
 Sooner Trend
 COUNTY:

 SURFACE LOC:
 165' FNL 1050' FWL Sec25 T13N R7W

 BTM HOLE LOC:
 165' FSL 2200' FWL Sec24 T13N R7W

 OTHER LOC DESCRIPTION:
 Canadian Co, OK

 GEOLOGIC OBJECTIVE:



		Description 1	DDODUGE T	DECODINE CO.
OUNT CODE		DRY HOLE	PRODUCER	DESCRIPTION
100-001	Survey, Archaeology & Permits	\$50,000	10/200 D	
100-001	Surface Damages & ROW	25,000	380 213	
100-021	Location & Roads	90,000		
100-031	Rig Move	120,000	73388	
100-041	Drilling - Footage	12	THE RES	
100-051	Drilling - Daywork \$17,500 / Day	490,000	THE STATE OF	
100-061	Drilling Supervision	51,800		
100-071	Disposal, Restoration & Backfill	42,000		
100-081	Turnkey Bid			
100-091	Drilling Fluids	172,400		
100-101 100-111	Drill Bits & Reamers Water	83,600 28,000		
100-111	Open Hole Logs	20,000	ASSESSED TO	
100-121	Coring & Analysis	_		
100-141	Mud Logging & Geologist	41,500		
100-151	Fuel and Power	147,000	THE SHAPE	
100-161	Cement and Services	33,000	TO SECOND	
100-171	Communications - Drilling	2,100		
100-181	Casing Crew	45,650		
100-191	BOP Testing	25,000	CHECKS	
100-201	Drill Stem Test			
100-211	Fishing Tools & Services	137,400		
100-221	Tool & Equipment Rentals	137,400		
100-231 100-241	Inspections Wireline Services		TATE OF THE PARTY	
100-241	Engineering & Geology-Field /	_	37 BEE	
100-261	Engineering & Geology-Office	_	TATE MEETING	
100-271	Other Labor	47,000	THE REAL	
100-281	Other Drilling Costs	5,000	7775766	
100-291	Multishot & Gyro	7,000		
100-301	Directional Services	180,000	A SECTION	
100-311	Re-Entry Services	44,000		
100-321	Camps & Trailers - Drilling Safety Equipment and H2S	44,000		
100-331	Trucking - Intangible Drilling	63,000	10000000000000000000000000000000000000	
100-351	Drilling Insurance & Overhead	21,000	1000	
100-361	Drilling Contingency	_	Contract of	
	TOTAL INTANGIBLE DRILLING COSTS	\$1,951,450	s —	
	TOTAL INTANGIBLE DIVILLING COOTS	\$1,001,100		
BLE DRILL	ING COSTS		and a state of	
200-001	Casing - Surface	\$23,125		
200-011	Casing - Conductor		2000	
200-021	Casing - Intermediate	192,000	- THE REAL PROPERTY.	
200-031	Drilling Liner			
200-041	Liner Hanger & Associated Equipment Trucking - Tangible Drilling	63,000	100	
200-061	Wellhead Equipment		A STATE OF THE PARTY OF THE PAR	
		12,400	1.200.000000000000000000000000000000000	
200-071	Re-Entry Equipment	12,400	43.80	
200-071	Re-Entry Equipment		\$	
200-071	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS	\$290,525		
	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS		\$ \$	
VGIBLE CO	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MPLETION COSTS	\$290,525	\$	
NGIBLE CO	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MPLETION COSTS Completion/Workover Rig	\$290,525	\$-	
VGIBLE CO 300-001 300-011	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MPLETION COSTS Completion/Workover Rig Roads & Location	\$290,525	\$	
300-001 300-011 300-021	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MPLETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment	\$290,525	\$-	
NGIBLE CO 300-001 300-011 300-021 300-031	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MPLETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion	\$290,525	\$7,000 25,000 —	
NGIBLE CO 300-001 300-011 300-021 300-031 300-041	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MIPLETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids	\$290,525	\$-	
NGIBLE CO 300-001 300-011 300-021 300-031 300-041 300-051	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MPLETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water	\$290,525	\$7,000 25,000 25,000	
NGIBLE CO 300-001 300-011 300-021 300-031 300-041 300-051 300-061	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MIPLETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids	\$290,525	\$7,000 25,000 25,000	
NGIBLE CO 300-001 300-011 300-021 300-031 300-041 300-051 300-061 300-071	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MPLETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs	\$290,525	\$7,000 25,000 25,000 25,000 120,000 25,000	
Welfile CO 300-001 300-011 300-021 300-031 300-051 300-061 300-071 300-081 300-091	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews	\$290,525	\$7,000 25,000 ——————————————————————————————————	
NG/ISLE CO 300-001 300-001 300-021 300-031 300-051 300-061 300-081 300-091 300-091	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MPLETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating	\$290,525	\$7,000 25,000 25,000 25,000 120,000 25,000	
Weifite Col 300-011 300-011 300-021 300-031 300-061 300-061 300-071 300-081 300-091 300-101	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing	\$290,525	\$7,000 25,000 ——————————————————————————————————	
NGIBLE CO 300-001 300-011 300-021 300-031 300-041 300-061 300-081 300-091 300-101 300-111	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services	\$290,525	\$7,000 25,000 ——————————————————————————————————	
WG/GLE CO 300-001 300-011 300-021 300-031 300-051 300-061 300-071 300-091 300-101 300-111 300-121	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS WELLFION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment	\$290,525	\$7,000 25,000 ——————————————————————————————————	
VG(ISLE CO) 300-001 300-011 300-021 300-031 300-041 300-051 300-061 300-071 300-081 300-101 300-111 300-121 300-131	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Firac Treatment Other Stimulation	\$290,525	\$7,000 25,000 ——————————————————————————————————	
WG/GLE CO 300-001 300-011 300-021 300-031 300-051 300-061 300-071 300-091 300-101 300-111 300-121	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS WELLFION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment	\$290,525	\$7,000 25,000 25,000 120,000 25,000 9,000 123,000 1,400,000	
0000001 300-001 300-001 300-021 300-021 300-041 300-061 300-061 300-071 300-081 300-101 300-101 300-131 300-131 300-141 300-161	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MIPLETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision	\$290,525	\$7,000 25,000 25,000 25,000 120,000 2,000 2,000 123,000 1,400,000 1,400,000 25,900	
MGIBLE CO 300-001 300-011 300-021 300-021 300-081 300-081 300-081 300-091 300-101 300-112 300-121 300-131 300-161 300-151 300-161 300-171	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Flishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections	\$290,525	\$7,000 25,000 25,000 120,000 25,000 120,000 9,000 123,000 1,400,000 25,900 25,900	
Me(ELE CO) 300-001 300-001 300-021 300-031 300-051 300-061 300-061 300-061 300-071 300-101 300-101 300-111 300-121 300-161 300-161 300-161 300-161 300-161 300-161 300-161 300-161 300-161	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS WELLETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellatte Supervision Engineering Inspections Well Testing Trucking - Intangible Completion	\$290,525	\$7,000 25,000 	
MGIBLE CO 300-001 300-001 300-021 300-031 300-051 300-061 300-071 300-101 300-113	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Inspections Well Testing Intraction Unter Completion Other Completion Costs	\$290,525	\$7,000 25,000 25,000 120,000 25,000 9,000 123,000 123,000 1,400,000 25,900 1,400,000 183,500 5,000	
Weille CO 300-001 300-011 300-021 300-021 300-031 300-061 300-061 300-071 300-101 300-113 300-121 300-131 300-151 300-161 300-171 300-181 300-181 300-181 300-181 300-181	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Flishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking – Intangible Completion Other Completion Costs Completion Contingency	\$290,525	\$7,000 25,000 25,000 120,000 120,000 2,5,000 123,000 123,000 1,400	
Me(BLE CO) 300-001 300-001 300-001 300-021 300-031 300-041 300-061 300-061 300-061 300-101 300-101 300-101 300-111 300-161 300-161 300-161 300-161 300-161 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300-161 300-171 300	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Costs Completion Contingency Communications - Completion	\$290,525	\$7,000 25,000 25,000 120,000 25,000 2,000 25,000 123,000 123,000 123,000 124,000 125,900	
Melate Col 300-001 300-001 300-021 300-031 300-031 300-061 300-071 300-013 300-101 300-113 300-131	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MIPLETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsate Supervision Engineering Inspections Well Testing Trucking _ Intangible Completion Other Completion Costs Completion Contingency Communications - Completion Camps & Trailers - Completion	\$290,525	\$7,000 25,000 25,000	
86(ELE CO) 300-001 300-001 300-011 300-021 300-031 300-051 300-061 300-071 300-081 300-101 300-101 300-111 300-121 300-131 300-231 300-231 300-231 300-231	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Costs Completion Contingency Communications - Completion	\$290,525	\$7,000 25,000 25,000 120,000 25,000 120,000 9,000 123,000 25,000 9,000 133,000 1,400,000 25,900 1,100 5,300 10,000	
100-11 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-111	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellste Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Costs Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion	\$290,525	\$7,000 25,000 25,000	
100-11 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-111	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellate Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Costs Completion Costs Completion Costs Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion BOP Testing - Completion Completion Overhead Other Labor	\$290,525	\$7,000 25,000 25,000 120,000 25,000 9,000 123,000 1,400,000 25,900 1,100 183,500 5,000 1,100 25,300 10,000 10,000 71,000	
100 (16) (16) (16) (16) (16) (16) (16) (16)	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Flidis Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Costs Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion	\$290,525	\$7,000 25,000 25,000 120,000 25,000 9,000 123,000 123,000 124,000 9,000 125,000 1,1400,0	
GIBLE CO 300-001 300-001 300-021 300-031 300-031 300-061 300-061 300-071 300-101 300-111 300-121 300-131	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MELETION COSTS Completion Morkover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion BOP Testing - Completion Completion Coverned Other Longialers - Completion Completion Contingency Communications - Completion Completion Coverned Other Longialers - Completion Completion Coverned Other Longialers - Completion Completion Coverned Other Labor TOTAL INTANGIBLE COMPLETION COSTS	\$290,525	\$7,000 25,000 25,000 25,000 120,000 25,000 9,000 123,000 1,400,000 1,400,000 1,100 1,100 25,300 1,100 25,300 1,1000 6,000 7,1000	
Weight E COM 300-001 300-001 300-021 300-031 300-061 300-061 300-071 300-081 300-191 300-191 300-191 300-191 300-191 300-191 300-191 300-191 300-201 300-211 300-211 300-211	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Flishing tools & Services Frac Treatment Other Stimulation Well at Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion Completion Contingency Communications - Completion Completion Contingency Completion Overhead Other Labor TOTAL INTANGIBLE COMPLETION COSTS Production Cassing or Production Liner	\$290,525	\$7,000 25,000 25,000 120,000 25,000 120,000 25,000 123,000 123,000 14,00,000 1,400,000 1,1	
100-21 300-21 300-021 300-031 300-031 300-041 300-061 300-061 300-071 300-101 300-111 300-121 300-130 300-1	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellate Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Costs Completion Costs Completion Costs Completion Costs Completion Completion BOP Testing - Completion Port Stimulation Completion Contingency Communications - Completion Completion Completion Completion Completion Completion Completion Port Stimulation Completion Completion Completion Completion Port Stimulation Completion Completion Completion Completion Port Stimulation Completion Costs Completion Costs Completion Costs Port Stimulation Completion Costs Completion Costs Completion Costs Port Stimulation Completion Costs C	\$290,525	\$7,000 25,000 25,000 120,000 120,000 123,000 123,000 123,000 123,000 123,000 123,000 1,1000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 10,000 11,000 10,000 11,000 10,000 1	
Meiric CO 300-001 300-001 300-021 300-031 300-041 300-061 300-071 300-101 300-101 300-111 300-121 300-131 300-161 300-171 300-161 300-171 300-161 300-211 300-211 300-211 300-211 300-211 300-211 300-211 300-211 300-211 300-211 300-211	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS MELETION COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion BOP Testing - Completion Completion Covernead Other Labor TOTAL INTANGIBLE COMPLETION COSTS Production Casing or Production Liner Liner Hanger & Associated Equipment Production Tubing	\$290,525	\$7,000 25,000 25,000 25,000 120,000 25,000 9,000 123,000 1,400,000 1,400,000 1,400,000 1,100 25,300 10,000 10,000 71,000 \$2,061,600 \$75,000 65,000 40,800	
86(6LE CO) 300-001 300-001 300-021 300-031 300-061 300-061 300-061 300-091 300-101 300-101 300-111 300-121 300-131 300-131 300-131 300-131 300-131 300-131 300-131 300-131 300-131 300-131 300-131 300-271	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion Workover Rig Roads & Location Completion Fluids Water Cased Hole Logs Safety Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Flishing tools & Services Frac Treatment Other Stimulation Well atte Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion Completion Overhead Other Labor TOTAL INTANGIBLE COMPLETION COSTS Production Casing or Production Liner Liner Hanger & Associated Equipment Production Tubing Rods	\$290,525	\$7,000 25,000 25,000 120,000 120,000 123,000 123,000 123,000 123,000 123,000 123,000 1,1000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 10,000 11,000 10,000 11,000 10,000 1	
300-001 300-001 300-001 300-021 300-031 300-041 300-061 300-061 300-091 300-101 300-111 300-121 300-130 300-13	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellate Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion Completion Contingency Completion Contingency Completion Contingency Trucking - Completion Completion Contingency Completion Contingency Completion Contingency Trucking - Completion Completion Contingency Completion Contingency Completion Contingency Production Overhead Other Labor TOTAL INTANGIBLE COMPLETION COSTS PETION COSTS Perioduction Tubing Rods Subsurface Pumping Equipment	\$290,525	\$7,000 25,000 25,000 120,000 25,000 9,000 123,000 123,000 123,000 124,000 125,000 120,	
MORELE CO. 300-001 300-001 300-021 300-021 300-031 300-061 300-061 300-061 300-101 300	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS **TOTAL DRILLING COSTS** **CETTION COSTS** Completion Morkover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion Completion Overhead Other Labor TOTAL INTANGIBLE COMPLETION COSTS **Perduction Casing or Production Liner Liner Hanger & Associated Equipment Production Tubling Rods Suburdace Pumping Equipment Surface Pumping Equipment	\$290,525	\$7,000 25,000 25,000 25,000 120,000 25,000 9,000 123,000 1,400,000 1,400,000 1,100 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,1000 25,900 1,000 25,900 1,000 25,000 25,000	
100-11 100-21 10	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Fluids Water Completion Fluids Water Cased Hole Logs Safety Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Flishing tools & Services Frac Treatment Other Stimulation Well atte Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion Camps & Trailers - Completion Completion Coentingency Communications - Completion Completion Coentingency Coentingency Coentingency Coentingency	\$290,525	\$7,000 25,000 25,000 27,000 28,000 27,000 28,000 28,000 28,000 28,000 29,000 20	
100-011 300-011 300-021 300-031 300-031 300-041 300-061 300-061 300-011 300-101 300-111 300-121 300-130 400-001 400-001 400-001 400-001 400-001 400-001 400-001	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellate Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Costs Completion Costs Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion Completion Coverhead Other Labor TOTAL INTANGIBLE COMPLETION COSTS Petrion Costs Road Subsurface Pumping Equipment Production Tubing Road Subsurface Pumping Equipment Surface Pumping Equipment Surface Pumping Equipment Downhole Equipment Wellnead Equipment	\$290,525	\$7,000 25,000 25,000 120,000 123,000 123,000 123,000 124,000 125,900 130,000 14,000 150,000 11,000 10,000 11,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 11,000 10,000 10,000 10,000 11,000 10,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 11,000 10,000 11,000 1	
86(ELE CO) 300-001 300-001 300-011 300-021 300-031 300-061 300-061 300-061 300-071 300-101 300-101 300-101 300-111 300-121 300-131 300	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion Morkover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Flishing tools & Services Frac Treatment Other Stimulation Wellate Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion Completion Overhead Other Lambra - Completion Completion Contingency Communications - Production Liner Trotal Intangible Completion Completion Costs Production Casing or Production Liner Liner Hanger & Associated Equipment Production Tubing Rods Subsurface Pumping Equipment Downhole Equipment Trucking - Tangible Completion	\$290,525	\$7,000 25,000 25,000 27,000 28,000 27,000 28,000 28,000 28,000 28,000 29,000 20	
100-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-011 300-101 300-101 300-101 300-11 300-111	Re-Entry Equipment TOTAL TANGIBLE DRILLING COSTS TOTAL DRILLING COSTS Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cement & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellate Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Costs Completion Costs Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion Completion Coverhead Other Labor TOTAL INTANGIBLE COMPLETION COSTS Petrion Costs Road Subsurface Pumping Equipment Production Tubing Road Subsurface Pumping Equipment Surface Pumping Equipment Surface Pumping Equipment Downhole Equipment Wellnead Equipment	\$290,525	\$7,000 25,000 25,000 25,000 120,000 25,000 9,000 123,000 1,400,000 1,400,000 1,400,000 1,1000	Sh-10-12-



\$2,476,700

\$4,718,675

\$2,241,975