PAYROCK ENERGY, LLC
WELLNAME: 1307 1-21WH AUTHORIZATION FOR EXPENDITURE

PROSPECT: DIAN EXPLORATION DRILLING / COMPLETION AFE

AFE TITLE: Drilling/Completion
PROJECT AFE NO 2015-0XXX DEPTH:

14.500

9529'

PROJECT AFE NO 2015-0XX DEPTH: 14,500
FIELD: Sooner Trend COUNTY:
SURFACE LOC: 165/FSL 2310/FWL Sec 21 T13N R7W
BTM HOLE LOC: 65/FNL 2310/FWL Sec 21 T13N R7W
OTHER LOC DESCRIPTION: Canadian Co, OK
GEOLOGIC OBJECTIVE: Woodford
PROJECT SCOPE: Drill and Complete +/-5000/ Woodford Lateral

DATE:

ACCOUNT CODE	ITEM	DRY HOLE	PRODUCER	DESCRIPTION
NTANGIBLE DRIL	LING COSTS	320 7 33 6		CONTRACTOR AND
100-001	Survey, Archaeology & Permits	\$50,000		
100-011 100-021	Surface Damages & ROW Location & Roads	25,000 90,000		
100-031	Rig Move	120,000		
100-041	Drilling - Footage	_		
100-051	Drilling - Daywork \$17,500 / Day	490,000		
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	Drill Bits & Reamers	83,600		
100-111	Water	28,000		
100-121	Open Hole Logs	_		
100-131	Coring & Analysis	44 500		
100-141	Mud Logging & Geologist Fuel and Power	41,500 147,000		
100-151	Cement and Services	33,000		
100-171	Communications - Drilling	2,100		
100-181	Casing Crew	45,650		
100-191	BOP Testing	25,000		
100-201	Drill Stem Test	_		
100-211	Fishing Tools & Services	_		
100-221	Tool & Equipment Rentals	137,400		
100-231	Inspections			
100-241	Wireline Services			
100-251	Engineering & Geology-Field	_		
100-261	Engineering & Geology-Office	1		
100-271	Other Labor	47,000		
100-281	Other Drilling Costs	5,000		
100-291	Multishot & Gyro	7,000		P
100-301	Directional Services	180,000		
100-311	Re-Entry Services			
100-321	Camps & Trailers - Drilling	44,000		
100-331	Safety Equipment and H2S	-		
100-341	Trucking - Intangible Drilling	63,000		
100-351	Drilling Insurance & Overhead	21,000		
100-361	Drilling Contingency			
	TOTAL INTANGIBLE DRILLING COSTS	\$1,951,450	<b>\$</b>	
ANGIBLE DRILLI	VG COSTS		The state of the s	TO A STATE OF THE PARTY OF THE STATE OF
200-001	Casing - Surface	\$23,125		
200-011	Casing - Conductor			
200-021	Casing - Intermediate	192,000		
200-031	Drilling Liner	_		
200-041	Liner Hanger & Associated Equipment	_		
200-051	Trucking - Tangible Drilling	63,000		
200-061	Wellhead Equipment	12,400		
000 074				
200-071	Re-Entry Equipment			
200-071	Re-Entry Equipment  TOTAL TANGIBLE DRILLING COSTS	\$290,525	\$	
200-071	TOTAL TANGIBLE DRILLING COSTS			
200-071		\$290,525 \$2,241,975	\$	
TANGIBLE COM	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS			
TANGIBLE COM	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion/Workover Rig			
TANGIBLE COM 300-001 300-011	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion/Workover Rig  Roads & Location		\$	
TANGIBLE COM 300-001 300-011 300-021	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion/Workover Rig Roads & Location Completion Rental Equipment		<b>\$</b> \$7,000	
TANGIBLE COM 300-001 300-011 300-021 300-031	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion/Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion		\$7,000 25,000	
TANGIBLE COM 300-001 300-011 300-021 300-031 300-041	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion/Workover Rig  Roads & Location  Completion Rental Equipment  Drilling Rig for Completion  Completion Fluids		\$7,000 25,000 ——————————————————————————————————	
300-001 300-001 300-001 300-021 300-031 300-041 300-051	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  **CERTION COSTS  Completion Workover Rig Roads & Location  Completion Rental Equipment  Drilling Rig for Completion  Completion Fluids  Water		\$7,000 25,000	
TANGIBLE COM 300-001 300-011 300-021 300-031 300-041 300-051 300-061	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs		\$7,000 25,000 ——————————————————————————————————	
TANGIBLE COM 300-001 300-011 300-021 300-021 300-041 300-051 300-061 300-071	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion/Workover Rig Roads & Location  Completion Rental Equipment  Drilling Rig for Completion  Completion Fluids  Water  Cased Hole Logs  Safety Equipment		\$7,000 25,000 ——————————————————————————————————	
TANG/BLE COM 300-001 300-011 300-021 300-031 300-041 300-051 300-061 300-071 300-081	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  **Cempletion Workover Rig Roads & Location  Completion Rental Equipment  Drilling Rig for Completion  Completion Fluids  Water  Cased Hole Logs  Safety Equipment  Cement & Cementing Services		\$7,000 25,000 	
TANG/BLE COM 300-001 300-011 300-021 300-021 300-031 300-041 300-061 300-071 300-081 300-091	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION 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		\$7,000 25,000 ——————————————————————————————————	
300-001 300-011 300-011 300-021 300-021 300-031 300-051 300-061 300-071 300-081 300-091 300-101	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion/Workover Rig Roads & Location  Completion Rental Equipment  Drilling Rig for Completion  Completion Fluids  Water  Cased Hole Logs  Safety Equipment  Cement & Cementing Services  Cassing Crews  Perforating		\$7,000 25,000 	
TANGIBLE COM 300-001 300-001 300-021 300-021 300-041 300-061 300-061 300-071 300-091 300-101 300-101	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion Rental Equipment Drilling Rig for Completion Rental Equipment Orompletion Fluids  Water  Cased Hole Logs Safety Equipment  Cement & Cementing Services Casing Crews Perforating Acidizing		\$7,000 25,000 ——————————————————————————————————	
300-001 300-001 300-011 300-021 300-031 300-051 300-061 300-061 300-081 300-091 300-101 300-111 300-121	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION 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		\$7,000 25,000 25,000 120,000 120,000 9,000 123,000	
300-001 300-001 300-011 300-021 300-031 300-051 300-061 300-061 300-081 300-091 300-101 300-111 300-121	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion Rental Equipment Drilling Rig for Completion Rental Equipment Orompletion Fluids  Water  Cased Hole Logs Safety Equipment  Cement & Cementing Services Casing Crews Perforating Acidizing		\$7,000 25,000 ——————————————————————————————————	
300-001 300-001 300-011 300-021 300-021 300-031 300-041 300-051 300-061 300-071 300-081 300-091 300-101 300-101 300-101 300-101	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		\$7,000 25,000 25,000 120,000 120,000 9,000 123,000	
300-001 300-001 300-011 300-021 300-031 300-041 300-051 300-061 300-091 300-091 300-101 300-111 300-121 300-131 300-151	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION 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  Fisa Treatment  Other Stimulation		\$7,000 25,000 25,000 125,000 120,000 25,000 9,000 123,000 123,000	
7ANGIBLE COM 300-001 300-001 300-021 300-021 300-041 300-051 300-061 300-071 300-091 300-101 300-101 300-121 300-131 300-151 300-161 300-161	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion Workover Rig Roads & Location  Completion Rental Equipment  Drilling Rig for Completion  Completion Fluids  Water  Cased Hole Logs  Safety Equipment  Cament & Cementing Services  Casing Crews  Perforating  Acidizing  Fishing tools & Services  Frac Treatment  Other Stimulation  Wellsite Supervision  Engineering  Inspections		\$7,000 25,000 25,000 125,000 120,000 25,000 9,000 123,000 123,000	
300-001 300-001 300-011 300-021 300-031 300-051 300-061 300-061 300-081 300-091 300-101 300-111 300-121 300-131 300-151 300-161 300-161 300-161 300-181	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION 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		\$7,000 25,000 25,000 125,000 120,000 25,000 9,000 123,000 123,000	
TANGIBLE COM 300-001 300-001 300-001 300-021 300-031 300-051 300-061 300-071 300-091 300-101 300-1121 300-121 300-131 300-151 300-161 300-171 300-181 300-191	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 Fisal Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion		\$7,000 25,000 	
TANGIBLE COM 300-001 300-001 300-021 300-021 300-031 300-061 300-061 300-071 300-091 300-101 300-101 300-111 300-121 300-131 300-161 300-161 300-171 300-181 300-191 300-191 300-191	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cament & 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		\$7,000 25,000 25,000 120,000 120,000 9,000 123,000 123,000 1,400,000 1,400,000 1,400,000 1,5000 5,000	
300-001 300-001 300-011 300-021 300-031 300-051 300-061 300-061 300-091 300-101 300-101 300-111 300-121 300-131 300-161 300-161 300-161 300-191 300-191 300-191 300-191	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION 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		\$7,000 25,000 25,000 120,000 120,000 9,000 123,000 	
TANGIBLE COM 300-001 300-001 300-001 300-021 300-031 300-061 300-061 300-071 300-091 300-101 300-111 300-121 300-151 300-161 300-171 300-181 300-191 300-201 300-201 300-211 300-251	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 - Inhangible Completion Other Completion Costs Completion Costs Completion Costs Completion Contingency Communications - Completion		\$7,000 25,000 	
TANGIBLE COM 300-001 300-001 300-021 300-021 300-031 300-061 300-061 300-071 300-091 300-101 300-101 300-113 300-131 300-161 300-171 300-181 300-191 300-191 300-201 300-231	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion Workover Rig Roads & Location  Completion Rental Equipment  Drilling Rig for Completion  Completion Fluids  Water  Cased Hole Logs  Safety Equipment  Cament & 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  Computed Contingency  Communications - Completion  Camps & Trailers - Completion  Camps & Trailers - Completion		\$7,000 25,000 25,000 120,000 120,000 25,000 9,000 123,000 1,400,000 1,483,500 5,000 1,100 25,300	
300-001 300-001 300-001 300-021 300-031 300-041 300-051 300-061 300-091 300-101 300-101 300-111 300-121 300-151 300-161 300-161 300-191 300-191 300-191 300-191 300-221 300-221	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION 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		\$7,000 25,000 120,000 120,000 123,000 123,000 123,000 1,400,000 133,500 5,000 1,100 1,100 1,100	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-101 300-201 300-201 300-201 300-201 300-201 300-201	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 - Inhangible Completion Other Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion Completion Completion DoP Testing - Completion		\$7,000 25,000 	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-101 300-201 300-201 300-201 300-201 300-201 300-201	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  **PLETION COSTS**  **Completion Workover Rig  Roads & Location  Completion Rental Equipment  Drilling Rig for Completion  Completion Fluids  Water  Cased Hole Logs  Safety Equipment  Cased Hole Logs  Safety Equipment  Cament & 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  Communications - Completion  Camps & Trailers - Completion  BOP Testing - Completion  Completion Overhead  Other Labor	\$2,241,975	\$7,000 25,000 120,000 120,000 123,000 123,000 123,000 1,400,000 133,500 5,000 1,100 1,100 1,100	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-101 300-201 300-201 300-201 300-201 300-201 300-201	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 - Inhangible Completion Other Completion Costs Completion Contingency Communications - Completion BOP Testing - Completion Completion Completion DoP Testing - Completion		\$7,000 25,000 	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-101 300-101 300-101 300-111 300-121 300-151 300-161 300-171 300-181 300-101 300-111 300-201 300-211 300-211 300-211 300-211	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cased Hole Logs Safety Equipment Cament & 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 Communications - Completion Camps & Trailers - Completion BOP Testing - Completion Completion Overhead Other Labor	\$2,241,975	\$7,000 25,000 	
TANGIBLE COM 300-001 300-001 300-021 300-021 300-031 300-061 300-061 300-071 300-091 300-101 300-101 300-113 300-131 300-151 300-161 300-171 300-181 300-191 300-201 300-201 300-221 300-231 300-271	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids  Water Cased Hole Logs Safety Equipment Cased Hole Logs Safety Equipment Cament & 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 Compunications - Completion Camps & Trailers - Completion Camps & Trailers - Completion Completion Corpletion Completion Total Intrangible Completion TOTAL INTANGIBLE COMPLETION COSTS	\$2,241,975	\$7,000 25,000 25,000 120,000 120,000 9,000 123,000 1,400,000 1,83,500 5,000 1,1000 6,000 6,000 7,000	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-061 300-061 300-081 300-091 300-101 300-101 300-111 300-121 300-131 300-161 300-171 300-181 300-191 300-201 300-201 300-201 300-201 300-251 300-251 300-271	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 First Standard Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion Camps & Trailers - Completion Completion Contingency Communications - Completion Completion Contingency Communications - Completion Completion Contingency Communications - Completion Camps & Trailers - Completion Completion Coverhead Other Labor  TOTAL INTANGIBLE COMPLETION COSTS  ETION COSTS	\$2,241,975	\$7,000 25,000 25,000 120,000 123,000 123,000 1240,000 123,000 123,000 1,400,000 1,400,000 1,100 6,000 71,000 \$2,061,800	
TANGIBLE COMM 300-001 300-001 300-001 300-021 300-031 300-061 300-061 300-071 300-101 300-101 300-111 300-121 300-151 300-161 300-171 300-181 300-191 300-201 300-201 300-201 300-201 300-271	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  **PLETION 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  Completion Overhead  Other Labor  **TOTAL INTANGIBLE COMPLETION COSTS  **ETION COSTS  **Production Casing or Production Liner  Liner Hanger & Associated Equipment	\$2,241,975	\$7,000 25,000 25,000 25,000 120,000 25,000 9,000 123,000 123,000 123,000 1,400,000 133,500 5,000 11,100 25,300 10,000 71,000 \$2,061,800	
TANGIBLE COMP 300-001 300-001 300-001 300-021 300-021 300-031 300-061 300-071 300-081 300-091 300-101 300-111 300-121 300-131 300-151 300-161 300-171 300-181 300-191 300-201 300-221 300-221 300-221 300-221 300-271	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids  Water Cased Hole Logs Safety Equipment Cament & 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 Computed Contingency Communications - Completion Camps & Trailers - Completion BOP Testing - Completion Completion Contragency TOTAL INTANGIBLE COMPLETION COSTS  ETION COSTS  Production Tubing	\$2,241,975	\$7,000 25,000 25,000 120,000 123,000 123,000 1240,000 123,000 123,000 1,400,000 1,400,000 1,100 6,000 71,000 \$2,061,800	
TANGIBLE COMI 300-001 300-001 300-021 300-021 300-031 300-061 300-061 300-081 300-081 300-091 300-101 300-111 300-121 300-131 300-151 300-161 300-171 300-181 300-191 300-201	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 Frica Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion Camps & Trailers - Completion Completion Contingency Completion Contingency Completion Contingency Completion Completion Completion Completion Completion Completion Completion Contingency Completion Completion Completion Contingency Completion Completion Completion Contingency TOTAL INTANGIBLE COMPLETION COSTS  ETION COSTS Production Casing or Production Liner Liner Hanger & Associated Equipment Production Tubing Rods	\$2,241,975	\$7,000 25,000 25,000 25,000 120,000 25,000 9,000 123,000 123,000 123,000 1,400,000 133,500 5,000 11,100 25,300 10,000 71,000 \$2,061,800	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-021 300-031 300-061 300-061 300-071 300-081 300-101 300-101 300-111 300-121 300-131 300-141 300-151 300-171 300-181 300-171 300-181 300-191 300-201 300-201 300-201 300-211	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  **PLETION 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  Fishing tools & Services  Fishing tools & Services  Fisher Treatment  Other Stimulation  Wellsite Supervision  Engineering  Inspections  Well Testing  Trucking - Inhangible Completion  Other Completion Costs  Completion Contingency  Communications - Completion  Camps & Trailers - Completion  Completion Completion  Completion Completion  Completion Overhead  Other Labor  **TOTAL INTANGIBLE COMPLETION COSTS**  **ETION COSTS**  **Production Tubing  Rods  Subsurface Pumping Equipment	\$2,241,975	\$7,000 25,000 25,000 25,000 120,000 25,000 9,000 123,000 123,000 123,000 1,400,000 133,500 5,000 11,100 25,300 10,000 71,000 \$2,061,800	
TANGIBLE COMPL 300-001 300-001 300-001 300-021 300-021 300-031 300-061 300-061 300-071 300-081 300-101 300-101 300-111 300-121 300-131 300-161 300-171 300-181 300-181 300-191 300-201 300-211 300-201 300-271  NGIBLE COMPL 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  Completion Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cament & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Compunications - Completion Camps & Trailers - Completion Camps & Trailers - Completion Completion Overhead Other Labor  TOTAL INTANGIBLE COMPLETION COSTS  ETION COSTS Production Tubing Rods Subsurface Pumping Equipment Surface Pumping Equipment	\$2,241,975	\$7,000 25,000 25,000 120,000 120,000 123,000 123,000 124,000 125,000 1,400,000 1,400,000 1,1000 1,1000 25,300 1,00	
TANGIBLE COMI 300-001 300-001 300-001 300-021 300-031 300-061 300-061 300-061 300-071 300-081 300-101 300-111 300-121 300-131 300-151 300-161 300-171 300-181 300-191 300-201 400-001 400-001 400-001 400-001 400-001 400-001 400-001	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 Cament & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Friac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Completion Contingency Communications - Completion Camps & Trailers - Completion Completion Contingency TOTAL INTANGIBLE COMPLETION COSTS  ETION COSTS Production Casing or Production Liner Liner Hanger & Associated Equipment Production Tubing Rods Subsurface Pumping Equipment Downhole Equipment Downhole Equipment Downhole Equipment	\$2,241,975	\$7,000 25,000 25,000 120,000 120,000 123,000 123,000 1240,000 123,000 1240,000 125,000 125,000 1,400,000 1,0	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-0101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-101 300-201 300-201 300-201 300-201 300-201 300-201 300-201 300-201 300-201 300-201 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  Completion Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Rental Equipment Drilling Rig for Completion Completion Fluids Water Cased Hole Logs Safety Equipment Cament & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Other Completion Costs Compunications - Completion Camps & Trailers - Completion Camps & Trailers - Completion Completion Overhead Other Labor  TOTAL INTANGIBLE COMPLETION COSTS  ETION COSTS Production Tubing Rods Subsurface Pumping Equipment Surface Pumping Equipment	\$2,241,975	\$7,000 25,000 25,000 120,000 120,000 123,000 123,000 124,000 125,000 1,400,000 1,400,000 1,1000 1,1000 25,300 1,00	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-101 300-201 300-201 300-201 300-201 300-201 300-201 300-201 400-011 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001	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 Completion Contingency Communications - Completion Completion Contingency TOTAL INTANGIBLE COMPLETION COSTS  ETION COSTS  Froduction Casing or Production Liner Liner Hanger & Associated Equipment Production Tubing Rods Subsurface Pumping Equipment Vellenes - Tangible Completion Comproduction Casing or Production Liner Liner Hanger & Associated Equipment Production Tubing Rods Subsurface Pumping Equipment Vellenes Cannes or Tangible Completion Comprise Completion Completion Casing or Production Liner Liner Hanger & Associated Equipment Vellenes Equipment Vellenes Equipment Vellenes Equipment Turcking - Tangible Completion Lesse Surface Equipment Turcking - Tangible Completion Lesse Surface Equipment	\$2,241,975	\$7,000 25,000 25,000 120,000 120,000 123,000 123,000 123,000 133,000 1,400,000 133,500 5,000 11,100 25,300 10,000 71,000 \$2,061,800 \$75,000 40,800 12,000 27,100	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-101 300-101 300-101 300-101 300-111 300-121 300-151 300-161 300-171 300-181 300-191 300-201 300-201 300-201 300-271	TOTAL TANGIBLE DRILLING COSTS  TOTAL DRILLING COSTS  PLETION COSTS  Completion Workover Rig Roads & Location Completion Rental Equipment Drilling Rig for Completion Completion Fluids  Water Cased Hole Logs Safety Equipment Cament & Cementing Services Casing Crews Perforating Acidizing Fishing tools & Services Frac Treatment Other Stimulation Wellsite Supervision Engineering Inspections Well Testing Trucking - Intangible Completion Camps & Trailers - Completion Camps & Trailers - Completion Camps Trailers - Completion Camps & Trailers - Completion Completion Overhead Other Labor  TOTAL INTANGIBLE COMPLETION COSTS  ETION COSTS  Production Tubing Rods Subsurface Pumping Equipment Surface Pumping Equipment Surface Pumping Equipment Surface Pumping Equipment Surface Pumping Equipment Frouking - Tangible Completion	\$2,241,975	\$7,000 25,000 25,000 120,000 120,000 123,000 123,000 123,000 1,400,000 1,400,000 1,400,000 1,1000 1,00	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-101 300-101 300-101 300-111 300-121 300-131 300-151 300-161 300-171 300-181 300-191 300-201 300-201 300-201 300-271	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 Completion Contingency Communications - Completion Camps & Trailers - Completion Completion Contingency TOTAL INTANGIBLE COMPLETION COSTS  Fronduction Casing or Production Liner Liner Hanger & Associated Equipment Production Tubing Rods Subsurface Pumping Equipment Surface Pumping Equipment Well Testing - Tuping Equipment Welling - Tangible Completion Completion Costing Completion Completion Costing Completion Completion Tubing Rods Subsurface Pumping Equipment Wellinead Equipment Trucking - Tangible Completion Lease Surface Equipment Flowlines	\$2,241,976	\$7,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,400,000 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 27,100 27,100 27,100 5,000 175,000 15,000	
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-101 300-101 300-101 300-111 300-121 300-131 300-151 300-161 300-171 300-181 300-191 300-201 300-201 300-201 300-271	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 Contingency Communications - Completion BOP Testing - Completion Completion Costs Completion Costs Completion Costs Completion Costs Completion Contingency TOTAL INTANGIBLE COMPLETION COSTS  Friow Costs Froduction Casing or Production Liner Liner Hanger & Associated Equipment Production Tubing Rods Subsurface Pumping Equipment Surface Pumping Equipment WellTead Equipment Trucking - Tangible Completion Lease Surface Equipment Flowlines TOTAL TANGIBLE COMPLETION COSTS	\$2,241,975	\$7,000 25,000 25,000 25,000 120,000 120,000 123,000 123,000 123,000 14,400,000 15,000 1,100 25,300 10,000 10,000 6,000 71,000 \$2,661,800 \$75,000 40,800 11,000 65,000 40,800 27,100 5,000 175,000	17-1
TANGIBLE COM 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-001 300-101 300-201 300-201 300-201 300-201 300-201 300-201 300-201 400-011 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001 400-001	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 Completion Contingency Communications - Completion Camps & Trailers - Completion Completion Contingency TOTAL INTANGIBLE COMPLETION COSTS  Fronduction Casing or Production Liner Liner Hanger & Associated Equipment Production Tubing Rods Subsurface Pumping Equipment Surface Pumping Equipment Well Testing - Tuping Equipment Welling - Tangible Completion Completion Costing Completion Completion Costing Completion Completion Tubing Rods Subsurface Pumping Equipment Wellinead Equipment Trucking - Tangible Completion Lease Surface Equipment Flowlines	\$2,241,976	\$7,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 1,400,000 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 25,000 1,100 27,100 27,100 27,100 5,000 175,000 15,000	Atg-17-1-

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