ALTA	ATOR: MESA SERVICES, LP	TOWNE 1806	5-31MH			API NUMBER:	rab
FIELD	NAME: IER TREND	COUNTY: STATE: KINGFISHER OKLAHOMA			REVISION:	1.0	
TARG	ET FORMATION: SSIPPIAN	parter services	The second secon			REVISION DATE:	
LOCA	ITION:					PROPOSED DEF	
SECT	ION 31, TOWNSHIP 18 NORTH, RANGE 6 WEST				DRILLING	COMPLETION	GOMPLETED
050	WELLSITE SUPERVISION INTANGIBLE W	ELL COSTS		The same of the sa	\$ 27,000.00	\$ 14,400.00	TOTAL \$ 41,400
100	PERMITTING / REGULATORY SURVEYS & STUDIES				\$ 2,700.00 \$ 6,500.00	\$ .	\$ 2,700
102	LAND, LEGAL, DAMAGES & UNITIZATION PHYSICAL LOCATION PREPARATION				\$ 80,000.00 \$ 97,500.00	\$ .	\$ 80,000
104	LOCATION CLEAN-UP & RESTORATION GATE GUARD				\$ 780.00	\$ 2,500.00	5 3,280
110 120	MOBILIZATION / DEMOBILIZATION (Move In - Move Out) RIG TURNICEY COSTS				\$ 35,000.00	\$ .	\$ 35,000
121	RIG DAY WORK COSTS				\$ 250,000.00	\$ 15,000,00	\$ 265,000
123	COMPLETION / WORKOVER RIG COILED TUBING UNIT				8 -	\$ 20,000.00 \$ 25,000.00	\$ 20,000
125	WIRELINE UNIT SLICKLINE - BRAIDED LINE				\$ -	5 -	\$
128	PUMP TRUCKUPUMP SERVICES MISC EXPENDABLE SUPPLIES				\$ 2,000.00	\$ 10,000.00	\$ 10,000 \$ 2,000
130	FUEL & LUBRICANTS WATER				\$ 34,000.00 \$ 32,000.00	\$ 6,125.00	\$ 40,125
138	DRILL PIPE INSPECTION BHA INSPECTION				\$ 3,000.00	\$ 3,500.00	\$ 6,500
140	BITS REAMERS, STABILIZERS, COLLARS				\$ 48,000.00 \$ 6,000.00		\$ 57,176
142	ROTARY TOOL RENTAL & ACCESSORIES FISHING TOOLS				\$ 33,000.00	\$ .	\$ 33,000
145	DIRECTIONAL TOOLS WELLBORE SURVEYING				\$ 110,000.00	\$ .	\$ 110,000
149	BOP TESTING AND REPAIRS WELL CONTROL EQUIP RENTAL				\$ 6,000.00 \$ 1,700.00	\$ 2,500.00	
151	MUD MONITORING & EQUIPMENT RENTAL MUD LOGGING & SAMPLING				\$ 18,500.00	\$ 1,525.00	
153 154	SURFACE EQUIPMENT RENTAL DOWNHOLE EQUIPMENT RENTAL				\$ 12,600.00 \$ 17,500.00	\$ 60.900.00	\$ 73,500 \$ 17,500
158 159	DOWNHOLE CORROSION CONTROL SHALE SHAKER SCREENS				\$ 4,600.00 \$ 2,500.00	\$ 13,600.00 \$ 1,000.00	\$ 18,100
160	MUD & CHEMICALS CUTTING DISPOSAL / BARGE CLEAN-UP				\$ 96,000.00 \$ 36,000.00	\$ 3,500.00	\$ 98,500. \$ 35,000.
109	PULD MACHINE TUBULAR INSPECTION & TESTING				\$ 3,500.00 \$ 4,800.00	\$ 5,000.00	\$ 8,500 \$ 4,600
171	CASING CREWS CEMENTING & SERVICES				\$ 10,000.00		\$ 25,000 \$ 17,300
173 174	LOGGING & CORING PERFORATING				s -	\$ 75,000.00	\$ 75,000.
175 176	ACID, FRAC, & SAND CONTROL WELL TESTING					\$ 1,150,000.00 \$ 36,000.00	
177 178	NITROGENICO2  COMMUNICATIONS  OTHER SERVICES				\$ 3,000.00	\$ 1,192.00	\$ .
179 180	LAND TRANSPORTATION				\$ 11,800.00 \$ 9,900.00	\$ 118,000.00 \$ 4,000.00	\$ 129,800.6 \$ 13,900.6
181	MARINE TRANSPORTATION AIR TRANSPORTATION				\$ .	5 .	\$ .
189	WELLHEAD SERVICES CONTRACT LABOR		_		\$ 1,500.00 \$ 3,200.00	\$ 3,000.00	\$ 4,500.0 \$ 3,200.0
191 192	COMPANY LABOR SUPERVISION - GEOLOGICAL & ENGINEERING				\$ 20,000.00	\$ 9,000.00	\$ 29,000.0
193 194	TRAILER & CAMP EXPENSES DOCK CHARGES				\$ 18,200.00	\$ 12,250.00	\$ 30,450.0
200 210	DRILLING OVERHEAD (COPAS)	***************************************			\$ 9,000.00 \$ 13,346.00	\$ 4.560.00	\$ 9,000.0
220 260	INSURANCE CLAIMS VAC TRUCK SERVICES				\$ -	\$ - 5 -	\$ 17,906.0
261 290	SALT WATER DISPOSAL CONTINGENCIES				\$ -	\$ -	\$ .
291 460	DRY-HOLE P&A CONTINGENCY LEASE CREW & RENTALS					\$ -	\$ - \$ .
500 604	H2S SAFETY SERVICE SWARBING				5 -	\$ -	5 .
604	DOWN-HOLE EQUIPMENT INSPECTION/REPAIR		(1	TOTAL INTANGIBLE	\$ - \$ 1,100,926		\$ 2,818,95
	TANGIBLE WELL	COSTS		Francisco State Com	DRILLING 8250	COMPLETION 8350	TOTAL
161	PLATFORM / WELL PROTECTOR - (Wood pilings, metal suppl DRIVE PIPE	ons, stc)			5 -		\$ .
170 200 250	CONDUCTOR PIPE SURFACE CASING				\$ 2,000.00 \$ 5,000.00		\$ 2,000.0 \$ 5,000.0
270	INTERMEDIATE CASING LINER				\$ 130,000.00		\$ 130,000.00
360 360	CASINGHEAD - (Everything up to the tubinghead) CASING EQUIPMENT - (Float equipment, centrelizers, liner has DOWNHOLE EQUIPMENT - (Packers, Anchors, Bridge Plugs, 1)	gers, etc)			\$ 6,000.00 \$ 9,000.00		\$ 6,000.00 \$ 9,000.00
400 900	TANGIBLE CONTINGENCIES  TANGIBLE CONTINGENCIES	Screens, etc)			\$ - \$ 7,600.00		\$ 7,600.00
100 110	PRODUCTION CASING PRODUCTION LINER					s -	s .
117 120	LINER, TIE-BACK ASSEMBLIES - (Casing cost, Seal Assem, el TUBING	ic)				\$ 48,000.00 \$ 15,000.00	\$ 15,000.00
166	SAFETY SHUTDOWN					2	\$ 43,000.00
195 200	ARTIFICIAL LIFT EQUIPMENT WELLHEAD - (Tubinghoad, Hangers, Production Tree, etc) COMPLETION EQUIPMENT						
350	CASING EQUIPMENT - (Float equipment, centralizers, liner per	gers, etc)					
700	DOWNHOLE EQUIPMENT - (Packers, Anchors, Bridge Plugs, 5 TANGIBLE CONTINGENCIES	orsens, etc,)				\$ 14,132.50	\$ 14,132.50
			TO1	TOTAL TANGIBLES	\$ 159,600.00 \$ 1,260,626		\$ 3,275,330
	FOUNDATION FACILITIES COSTS	FACILITIES 8400		PIP	ELINE COSTS		PIPELINE 8450
920	PLATFORM	\$ .	100	PIPELINE SURVEYS RIGHTS OF WAY			\$ . \$ .
100	PRODUCTION BARGE TANK BATTERY	\$ . \$ \$5,000.00	102	PERMITTING & REGI DAMAGES	ULATORY		S :
105	PERMITTING/REGULATORY ROADS FENCES	3 .	104 108	MATS SURVEYORS	The state of the s		s .
110	HEATER TREATER	\$ 2,000.00	111	COATING			\$ . \$ .
	COATINGS LINE HEATER	\$ . \$ .	120 122	VALVES & FITTINGS SEPARATORS			\$ - 5 -
112	THE PARTY OF THE P	1.5	124	FILTERS S .			
120	MANIFOLD & SEPARATORS SEPARATORS	\$ 50,000.00		METERING & PIPELINE TAP S . INSTALLATION COSTS S .			
122 124 130	MANIFOLD & SEPARATORS SEPARATORS FILTERS DEHYDRATOR	\$ 50,000 00 \$	130	INSTALLATION COST	rs .		
120 122 124 130 131 140	MANFOLIO & SEPARATORS SEPARATORS FILTERS DEHYDRATOR PIPING GENERATOR & ELECTRICITY SYSTEM	\$ \$ \$ \$	140 142 148	ROW CLEARING BORING	is		s -
120 122 124 130 131 140 150	MANFOLD & SEPARATORS SEPARATORS FILTERS DEHYDRATOR PIPING GENERATOR & ELECTRICITY SYSTEM METER RUN EMISSION CONTROLS	\$ \$ \$ \$ 35,000.00 \$ 12,000.00	140 142 148 162	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT	rs		
122 124 130 131 140 150 165 166	MANEROL A SEPARATORS SEPARATORS FILTERS DEHYDRATOR PIPING DEHNORATOR BEDERATOR & ELECTRICITY SYSTEM METER RUN BURSSION CONTROL S INSTRUMENTATION MATERIANTOWN MATERIANTOWN MATERIANTOWN MATERIANTOWN MATERIANTOWN MATERIANTOWN	\$ 36,000,00 \$ 12,000,00 \$ 10,000,00 \$ 300,00	140 142 148 162 175 180	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT MANIFOLDS OTHER PIPELINE CO	non sts		
120   122   124   130   131   140   150   165   166   170   175	MANEPOLO 4 SEPARATORS SEPARATORS PILTERS PILTE	\$ 35,000.00 \$ 12,000.00 \$ 12,000.00	140 142 148 162 175 180 190 200 210	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT MANIFOLDS OTHER PIPELINE CO COMPANY LABOR & CONTRACT SUPERV	TION STS EXPENSE		
120   122   124   130   131   140   150   165   170   177   178	AMAPEOLO 4 SEPARATORS SEPARATORS SEPARATORS GENERATOR A ELECTRICITY SYSTEM METER RIM M	\$ 36,000.00 \$ 12,000.00 \$ 12,000.00 \$ 300.00 \$ 10,000.00	140 142 148 162 175 180 190	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT MANIFOLDS OTHER PIPELINE CO COMPANY LABOR & I CONTRACT SUPERVI INSPECTORS INSPECTORS INSURANCE	TION STS EXPENSE		
120   122   124   130   131   140   150   165   170   177   178   179   180   180   179   180	AMAPEOLO & SEPARATORS SEPARATORS SEPARATORS BENERATOR SELECTRICITY SYSTEM METER RUM ME	\$ \$	140 142 148 162 175 180 190 200 210 215 250 280	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT MANIFOLDS OTHER PIPELINE CO COMPANY LABOR & CONTRACT SUPERVI INSPECTORS INSURANCE MAJOR CONSTRUCT BUDGET CONTINCEN	TON TON TSTS EXPENSE ISION		
120 1122 1124 1130 1131 1140 1150 1165 1166 1170 1177 1178 1179 1179 1179 1179 1179 1179 1190 1	MANEFOLD & SEPARATORS	\$ 35,000,00 5 10,000,00 5 10,000,00 5 5 30,000,00 5 5 5 5 5 5 5 5 5 5 5 5 6,000,00 5 5 6,000,00 5 6	140 142 148 162 175 180 190 200 210 215 250 280	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT MANIFOLDS OTHER PIPELINE CO COMPANY LABOR & CONTRACT SUPERV INSPECTORS INSURÂNCE MAJOR CONSTRUCT	TON TON TSTS EXPENSE ISION		
120   122   124   130   131   130   131	MANEFOLD & SEPARATORS	\$ 35,000.00 5 10,000.00 \$ 10,000.00 \$ 5 20,000.00 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	140 142 148 162 175 180 190 200 210 215 250 280 290	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT MANIFOLDS OTHER PIPELINE CO COMPANY LABOR & CONTRACT SUPERVI INSPECTORS INSURANCE MAJOR CONSTRUCT BUDGET CONTINCEN	TON TON TSTS EXPENSE ISION		
120   122   124   130   131   130   131   130   131   140   150   166   170   175   177   178   180   190   191   192   5   193   194   196   196   196   1	MANEROLO A SEPARATORS	\$ 3 36,000.00 5 12,000.00 5 8,000.00 5 8,000.00 5	140 142 148 162 175 180 190 200 210 215 250 280 290 450	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT MANIFOLDS OTHER PIPELINE CO COMPANY LABOR & CONTRACT SUPERVI INSPECTORS INSURANCE MAJOR CONSTRUCT BUDGET CONTINCEN	TON TON TSTS EXPENSE ISION		
122   122   123   124   124   125	AMAPEOLO & SEPARATORS SEPARATORS FILTERS FILTE	\$ 35,000,00 5 10,000,00 5 10,000,00 5 5 30,000,00 5 5 5 5 5 5 5 5 5 5 5 5 6,000,00 5 5 6,000,00 5 6	140 142 148 162 175 180 190 200 210 215 250 280 290 450	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT MANIFOLDS OTHER PIPELINE CO COMPANY LABOR & CONTRACT SUPERVI INSPECTORS INSURANCE MAJOR CONSTRUCT BUDGET CONTINCEN	TON TON TSTS EXPENSE ISION		
122   122   123   124   124   125	MANEPOLO & SEPARATORS SEPARATORS SEPARATORS PILTERS PILTERS PILTERS PILTERS PILTERS PILTERS PILTERS PILTERS PILTERS BETTALEN BETALEN BETTALEN BETALEN BETTALEN BETTAL	\$ 3 36,000.00 5 12,000.00 5 8,000.00 5 8,000.00 5	140 142 148 162 175 180 190 200 210 215 250 280 290 450	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT MANIFOLDS OTHER PIPELINE CO COMPANY LABOR & CONTRACT SUPERVI INSPECTORS INSURANCE MAJOR CONSTRUCT BUDGET CONTINCEN	TON TON TSTS EXPENSE ISION		
122   122   124	MANEFOLD & SEPARATORS SEPARATORS SEPARATORS PILTERS PILTERS PILTERS PILTERS PILTERS PILTERS PILTERS PILTERS METER RIM METER RI	\$ 5 35,000,000 15 12,000,000 15 10,000,000 1	140 142 148 162 175 180 190 200 210 215 250 280 290 450	ROW CLEARING BORING ENVIRONMENTAL CATHODIC PROTECT MANIFOLDS OTHER PIPELINE CO COMPANY LABOR & CONTRACT SUPERVI INSPECTORS INSURANCE MAJOR CONSTRUCT BUDGET CONTINCEN	TON TON TSTS EXPENSE ISION		
122   122   124	MANEFOLD & SEPARATORS	\$ 5 35.000.00 15 12,000.00 15 10,000.00 15 1	140 142 148 162 175 180 190 210 210 215 250 280 290 450	ROW CLEARING SORIING ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL ENVERONMENTAL EN	TION TION TISTS TISTS TEXPENSE TISTOR TION TO OVERHEAD TO THE TION TO THE TI	TAL POPUME COST	5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -
222   222   2330   1   2330   1   2330   1   2330   1   2330   2   2330   2   2330   2   2330   2   2   2   2   2   2   2   2   2	MANEFOLD & SEPARATORS	\$ 5 35.000.00 15 12,000.00 15 12,000.00 15 12,000.00 15 10,000.00 15 1	140 142 148 148 152 175 200 210 215 250 280 290 450	ROW CLEARING SORING ENVIRONMENTAL CATHODOL PROTECT OTHER PRELINE CO COMPANY LABOR ROSE PROTECT COMPANY LABOR NISURANCE MAJOR CONTROLE WELDING / A-RAY	TION TOTAL T	TAL PIPELINE COST  IL FACILITIES COST  IL FACILITIES COST	5
122   122   123   124   124   125	MANEFOLD & SEPARATORS	\$ 5 35.000.00 15 12,000.00 15 12,000.00 15 12,000.00 15 10,000.00 15 1	140 142 448 162 175 180 190 210 210 250 280 450	ROW CLEARING SORIING EVAPRONENTAL EVAPRONENT	TO T	DYTAL PIPELINE COST	\$



