

						BCP - Drilling		ACP - Drilling		Completion / Stimulation		Production Equipment /		Post Completion	Total Well Cost
					Codes	(Dry Hole Cost)	Codes		Codes		Codes	Construction	Codes		\$233,
tangibles pads & Location Preparation / Restoration					DIDC.100	\$200,000			STIM.100	\$30,000	CON.100	\$2,500	PCOM.100	\$1,000	\$233,
amages					DIDC.105	\$26,000			STIM.255	\$60,000	CON. 105	T. 51-10-15-50	PCOM.255	\$149,850	\$309,
ud / Fluids Disposal Charges					DIDC.255	\$100,000	72222A	\$78,000		\$60,000	EC. 2.22		PCOMILES S		\$528,
ay Rate 29.00 DH Days	5.00 ACP Days @		15,500.00 F	Per Day	DIDC.115	\$450,000	DICC. 120	378,000	24 762			12222772		12 Miles (1972)	\$30
lisc Preparation Cost (mouse hole, rat hole, p	pads, pile clusters, misc.)				DIDC.120		DICC. 125		STIM.125		9020000		PCOM.125		\$130,
ts		1 200	allons Per Day	,	DIDC.135	\$78,000				THE REPORT OF THE PARTY.		163666	PCOM.130		\$78
sel \$1.50	Per Gallon	1,800	unons rer ou		DIDC.140	\$15,000	DICC.135	\$1,000	STIM.135	\$5,000	227727		PCOM.135	\$1,000	\$22 \$278
ater for Drilling Rig / Completion Fluids (Not	rrac water)				DIDC.145	\$278,000					1000000	22222		\$179,000	\$278
lud & Additives			1	Per Day	DIDC.150	\$49,000	DICC.140	SEA PROCESS	STIM.140	\$120,000	CON.140	\$4,000	PCOM.140 PCOM.145	\$179,000	\$125
urface Rentals ownhole Rentals					DIDC.155	\$45,000	-0.75		STIM.145	\$80,000	200 X 3 X		PCOM.145		7123
ormation Evaluation (DST, Coring including e	valuation, G&G Services)			DIDC.160		Section .	27600	STIM.150					0.0000000000000000000000000000000000000	\$27
flud Logging	27.00	Days @	\$1,000	Per Day	DIDC.170	\$27,000	40.00				2			757999	
pen Hole Logging					DIDC.180	450,000	DICC. 155	\$80,000	BOX 5 (Bac)		1000000	MAN (197 199		999972277	\$130
ementing & Float Equipment			1 1 1 1 1 1		DIDC.185	\$15,000		\$5,000	STIM.160		S055555	(35.75¥65)	PCOM.160	\$3,700	\$23
ubular Inspections					DIDC.190	\$15,000		\$15,000			700 miles		The late of the		\$30
asing Crews	Company of the				DIDC.195	\$10,000		\$2,000			CON.170	\$80,000	PCOM.170		\$92
xtra Labor, Welding, Etc.					DIDC.205	\$14,000		\$8,000		\$5,000	CON.175	\$9,800		\$6,800	\$43
and Transporation (Trucking for tangibles)			\$3,800	Per Day	DIDC.210	\$129,000		\$10,000	STIM.180	\$59,000		\$6,800	PCOM.180	\$13,600	\$218
upervision (Catalian				Per Day	DIDC.280	\$18,000		\$2,000	STIM.280	\$10,000		122000 B		100000000000000000000000000000000000000	\$30 \$29
railer House / Camp / Catering					DIDC.220	\$1,000	DICC. 190		STIM.190	\$25,000	CON. 190	\$3,900	PCOM.190		\$25
ther Misc Expenses					DIDC.225	\$10,000	DICC. 195	\$5,000		100000000000000000000000000000000000000	VIII.		PCOM.215		\$15
verhead		RESIDENCE.			DIDC.231		0	W. 77 (1992)	STIM.215		10000		PCOM.215	155500000000000000000000000000000000000	\$195
lemedial Cementing 10B/DEMOB			30 2 1 V S T S		DIDC.240	\$195,000		1777	1000		1			V. Zarlanda	\$280
irectional Drilling Services					DIDC.245	\$280,000	10000	10000000	5000		CON.230	\$4,000		27/27/32/22	\$4
rane for Construction					120222		1/////				CON. Z30	34,000	100000000000000000000000000000000000000	KINSHINGS.	\$23
olids Control				Per Day	DIDC.260	\$23,000		44.00		\$20,000		10000	PCOM.240	\$25,350	\$75
Vell Control Equip (Snubbing Svcs.)		18.03		Per Day	DIDC.265	\$26,000	DICC.240	\$4,000	STIM.240 STIM.245	\$20,000		1000000	PCOM.245		
ishing & Sidetrack Operations					DIDC.270		DICC.245	The second	STIM.245 STIM.115	District Control	100000	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	PCOM.115	\$13,800	\$13
Completion Rig			0 1000					100000000000000000000000000000000000000	STIM.115	\$200,000	0	100000000000000000000000000000000000000	PCOM.260		\$200
Coil Tubing					W. 77 (1977)	100 mm			STIM.200	\$188,00			PCOM.200	\$3,500	\$191
Completion Logging, Perforating, WL Units, V	NL Surveys					\$16,000,000,000,000,000,000,000,000,000,0			STIM.390	\$62,000			PCOM.390		\$62
Composite Plugs							100	17775	STIM.210	\$2,423,00	0		PCOM.210		\$2,423
Stimulation Pumping Charges, Chemicals, Add	ditives, Sand			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1			STIM.395	\$315,00				1000	\$315
Stimulation Water / Water Transfer / Water	Storage	1			100000000000000000000000000000000000000	10 TO 17 17 17 19 19			STIM.305	\$50,00		6 1 1 1 1 1 1 1 1 1	V.,		\$50
Cimarex Owned Frac / Rental Equipment		1000		100000	DIDC.300	\$15,000		100000		V33903032	CON.300		7777779		\$15 \$19
Legal / Regulatory / Curative Well Control Insurance	\$1.00 Per Foot	DE BELLEVIE			DIDC.285	\$19,000	100000000000000000000000000000000000000							A COLUMN TO THE REAL PROPERTY.	
					DIDC.285			4600000		Company of the Compan		00.000	0 00011 220	\$20,000	
		s			DIDC.435		DICC.220	\$13,00	0 STIM.220	\$183,00			PCOM.220	\$20,000	\$334 \$3
Contingency 5%	% of Drilling Intangible:	s		5 F FS				\$13,000	O STIM.220	\$183,00	CON.310	\$3,500		\$20,000	\$3
Contingency 5% Construction For Flow Lines		s				\$112,000	DICC. 220	220.750			CON.310 CON.265	\$3,500		\$20,000	\$6,956
Contingency 5% Construction For Flow Lines Construction For Sales P/L		s					DICC. 220	\$13,000 \$223,000		\$183,000 \$3,835,00	CON.310 CON.265	\$3,500		100 mm	\$3
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost		s				\$112,000	DICC. 220	220.750			CON.310 CON.265	\$3,500		100 mm	\$3
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Tangible - Well Equipment		Size	Feet	\$/Foot	DIDC.435	\$112,000	DICC.220	220.750			CON.310 CON.265	\$3,500		100 mm	\$3
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Tangible - Well Equipment Cosing			Feet	\$/Foot	DIDC.435	\$112,000 \$2,360,000 \$	DICC.220	220.750			CON.310 CON.265	\$3,500		100 mm	\$3
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Fangible - Well Equipment Casing Tonive Pipe			Feet	\$/Foot	DIDC.435 DWEB.150 DWEB.130	\$112,000 \$2,360,000 \$ \$ \$ \$	D DICC. 220	220.750			CON.310 CON.265	\$3,500		100 mm	\$6,956
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Tangible - Well Equipment Casing Drive Pipe Conductor Pipe		Size			DWEB.150 DWEB.130 DWEB.130	\$112,000 \$2,360,000 \$5,360,000 \$5,360,000 \$5,360,000	D DICC.220	220.750			CON.310 CON.265	\$3,500		100 mm	\$6,956
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Fangible - Well Equipment Casing Drive Pipe Conductor Pipe Water String Surface Casing		Size 13 3/8"	1500	\$40.00	DIDC.435 DWEB.150 DWEB.130 DWEB.135 DWEB.140	\$112,000 \$2,360,000 \$ \$ \$ \$ \$ \$ \$	D DICC.220	220.750			CON.310 CON.265	\$3,500		100 mm	\$6,956
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Tangible - Well Equipment Casing Drive Pipe Conductor Pipe Water String Surface Casing Intermediate Casing I		Size	1500 10150	\$40.00 \$32.00	DIDC.435 DWEB.150 DWEB.135 DWEB.135 DWEB.140 DWEB.145	\$112,000 \$2,360,000 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	D DICC.220	220.750			CON.310 CON.265	\$3,500		100 mm	\$6,956
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Tangible - Well Equipment Casing Drive Pipe Conductor Pipe Water String Surface Casing Intermediate Casing I		Size 13 3/8"	1500 10150 0	\$40.00 \$32.00 \$0.00	DWEB.150 DWEB.130 DWEB.135 DWEB.140 DWEB.145 DWEB.145	\$112,000 \$2,360,000 \$ \$ \$ \$ \$ \$60,00 \$325,000	D DICC.220	220.750			CON.310 CON.265	\$3,500		100 mm	\$6,956 \$6,956 \$6,956
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Tangible - Well Equipment Casing Conductor Pipe Water String Surface Casing Intermediate Casing 1 Intermediate Casing 2 Dorling Liner		5ize 13 3/8" 9 5/8" 0	1500 10150 0	\$40.00 \$32.00 \$0.00	DIDC.435 DWEB.150 DWEB.130 DWEB.145 DWEB.145 DWEB.155	\$112,000 \$2,360,000 \$ \$ \$ \$ \$ \$60,00 \$325,000	D DICC.220	\$223,00	0		CON.310 CON.265	\$3,500		100 mm	\$6,956 \$6,956 \$6,956
Contingency 5% construction for Flow Lines Construction for Sales P/L Cotal Intangible Cost Empilos - Well Equipment Casing Conductor Pipe Water String Surface Casing Intermediate Casing 1 Intermediate Casing 2 Colillian June Computation Casing or Liner Conductor Casing or Liner Conductor Casing or Liner Conductor Casing or Liner		Size 13 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00	DWEB.150 DWEB.140 DWEB.150 DWEB.150 DWEB.150 DWEB.160	\$112,000 \$2,360,000 \$ \$ \$ \$ \$ \$60,00 \$325,000	D DICC.220	\$223,00	0	\$3,835,00	CON.310 CON.265	\$3,500		\$417,600	\$6,956 \$6,956 \$6,956 \$6,956 \$6,956 \$6,956 \$6,956
Contingency 5% Construction For Flow Lines Construction For Sales P/L Cotal Intangible Cost Langible - Weill Equipment Casing Conductor Pipe Conductor Pipe Water String Surface Casing S		13 3/8" 9 5/8" 0 0 5 1/2"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.145 DWE8.145 DWE8.160	\$112,000 \$2,360,000 \$ \$ \$ \$ \$ \$60,00 \$325,000	DICC.220	\$223,00	00 STIMT.101 STIMT.105	\$3,835,00	CON. 265 O	\$3,500		\$417,600	\$6,95t
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Tangible - Well Equipment Casing Drive Pipe Conductor Pipe Water String Surface Casing Intermediate Casing 1 Intermediate Casing 2 Intermined Lines Production Tier-Back Tubing		5ize 13 3/8" 9 5/8" 0	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWEB.150 DWEB.130 DWEB.130 DWEB.140 DWEB.145 DWEB.160	\$112,000 \$2,360,000 \$5,360,000 \$5,560,000 \$325,000 \$325,000 \$5,560	DICC.220 DICC.2	\$223,00 \$335,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105	\$3,835,00	CON. 265 O	\$3,500		\$417,600	\$6,95t
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Fangible - Woll Equipment Casing Conductor Pipe Water String Surface Casing Intermediate Cosing 1 Intermediate Cosing 1 Intermediate Cosing 2 Drilling Liner Production Te-Back Tubing Wellhead, Tree, Chokes		13 3/8" 9 5/8" 0 0 5 1/2"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.145 DWE8.145 DWE8.160	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.100 STIMT.120	\$3,835,00	CON. 310 CON. 265	\$3,500	PCOMT.105	\$417,600 \$70,000	\$6,956 \$6,956 \$66 \$322 \$33 \$77 \$11
Contingency 5% Construction For Flow Lines Construction For Sales P/L Total Intangible Cost Fangible - Well Equipment Casing Conductor Pipe Conductor Pipe Water String Surface Casing g Intermediate Casing 1 Intermediate Casing 1 Intermediate Casing 2 Intelling Liner Production Tes Bock Tubing Weilhead, Tree, Chokes Liner Hanger, Isolation Packer		13 3/8" 9 5/8" 0 0 5 1/2"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101. STIMT.105.00 STIMT.120. STIMT.120. STIMT.120.	\$3,835,00	CON. 310 CON. 265	\$3,500	PCOMT-105	\$417,600 \$70,000 \$1,800	\$6,956 \$6,956 \$65 \$32 \$33
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost engible - Well Equipment asing onview Fine Flow onductor Pipe Water String urface Casing netermediate Casing 1 netermediate Casing 2 online flow for Flow ord Casing on the Flow ord Casing ord Ca		13 3/8" 9 5/8" 0 0 5 1/2"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105 STIMT.120 STIMT.120 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON. 310 CON. 265	\$3,500	PCOMT.105 PCOMT 405	\$417,600 \$70,000 \$1,800	\$6,956 \$6,956 \$66 \$32 \$33
Contingency 5% Construction For Flow Lines Construction For Sales P/L Cotal Intangible Cost For Sales P/L Cotal Intangible Cost For Sales P/L Conductor Pipe Conductor Pipe Conductor Pipe Water String Uniform Sales P/L Conductor Pipe Water Sales P/L Conductor Tipe Production Casing 2 Diffling Liner Production Casing or Liner Production Teach Weilhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples Lempina Unif. Engine	∞ of Orilling Intangible:	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101. STIMT.105.00 STIMT.120. STIMT.120. STIMT.120.	\$3,835,00 \$40,00 \$5,00	CON. 310 CON. 265	\$3,500	PCOMT-105	\$417,600 \$70,000 \$1,800	\$6,95 \$6,95 \$6 \$32 \$33 \$33
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost engible - Weil Equipment asing Drive Pipe Conductor Pipe Water String Surface Casing Intermediate Casing 1 Intermediate Casing 2 Drilling Liner Production Tie-Bock Wulder Tie-Bock Wulder Tie-Sock Wulder Tie-Sock Wulder Tie-Sock Production	∞ of Orilling Intangible:	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105 STIMT.120 STIMT.120 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON. 310 CON. 265 0	\$3,500	PCOMT.105 PCOMT.400 PCOMT.400	\$417,600 \$70,000 \$1,800	\$6,95 \$6,95 \$6 \$32 \$33 \$33
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost capitales Well Equipment asing whice Pipe Vale Equipment asing whice Pipe Vale Cosing urface Cosing urface Cosing urface Cosing 1 netermediate Cosing 2 Politing Liner Production Casing or Liner Production Tie-Back Vubling Velihead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Mipples Pumping Unit, Engine Downhole Lift Equipment (BHP, Rods, Ancha Engibles - Lease Equipment)	∞ of Orilling Intangible:	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105 STIMT.120 STIMT.120 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON.3101 CON.265	\$3,500	PCOMT.105 PCOMT.400 PCOMT.410	\$417,600 \$70,000 \$1,800	\$6,95 \$6,95 \$6,95 \$33 \$33 \$27 \$31 \$3 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost capitales Well Equipment asing when Pipe onductor Pipe Water String urface Casing urface Casing thermediate Casing 1 thermediate Casing 1 thermediate Casing 1 horduction Casing or Liner Production Casing or Liner Production Tie-Back Tubling Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Mipples Pumping Unit, Engine Downhole Lift Equipment (BHP, Rods, Ancha Grapible - Lease Equipment M/C Lease Equipment M/C Lease Equipment Torsks, Tanks Steps, Stairs	, & of Orilling Intangibles	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105 STIMT.120 STIMT.120 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON. 310 CON. 265 0	\$3,500 \$120,500	PCOMT.105 PCOMT.400 PCOMT.400	\$417,600 \$70,000 \$1,800	\$6,95 \$6,95 \$32 \$33 \$31 \$511 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost capitales Well Equipment asing when Pipe onductor Pipe Water String urface Casing urface Casing thermediate Casing 1 thermediate Casing 1 thermediate Casing 1 horduction Casing or Liner Production Casing or Liner Production Tie-Back Tubling Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Mipples Pumping Unit, Engine Downhole Lift Equipment (BHP, Rods, Ancha Grapible - Lease Equipment M/C Lease Equipment M/C Lease Equipment Torsks, Tanks Steps, Stairs	, & of Orilling Intangibles	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105 STIMT.120 STIMT.120 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON.3101 CON.265 0	\$3,500 \$120,500	PCOMT.105 PCOMT.405 PCOMT.405 PCOMT.405 PCOMT.405	\$417,600 \$70,000 \$1,800	\$6,95 \$6,95 \$6,95 \$33 \$33 \$31 \$33 \$31 \$33 \$33 \$33 \$33 \$33
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost Interpolation File Interpolation File Interpolation Casing a Intermediate Casing 1 Intermediate Casing 1 Intermediate Casing 2 Intiling Juner Production Casing or Liner Production Casing or Liner Production Casing or Liner Production Tie-Back Tubbing Weilhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples Downhole Lift Equipment (BHP, Rods, Ancho Tengibles Lesse Equipment INCL Lease Equipment Tanks, Tanks Esp, Stair's Battery (Heater Treater, Separator, Gas Tre Secondary Containments	ors, ESP, GVLs, PC Pump)	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105 STIMT.120 STIMT.120 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON. 310 CON. 265 0	\$3,500 \$120,500 \$120,500 \$120,500 \$120,500 \$120,500 \$120,500 \$120,500 \$120,500 \$120,500 \$120,500 \$120,500	PCOMT.105 PCOMT.400 PCOMT.430 R00 PCOMT.430	\$417,600 \$70,000 \$1,800	\$6,95 \$6,95 \$6,95 \$33 \$33 \$31 \$51 \$51 \$51 \$51 \$51 \$51 \$51 \$51 \$51 \$5
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost engibles Well Equipment casing on-hive Pipe Conductor Pipe Nater String purface Casing underediate Casing 1 Intermediate Casing 2 Drilling liner Production Casing or Liner Production Casing or Liner Production Tie-Back Tubing Unity Cost Casing Unity Cost Casing Unity Cost Unity Cost Casing Unity Cost Unit	ors, ESP, GVLs, PC Pump)	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105 STIMT.120 STIMT.120 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON. 310 CON. 265 CON. 265 CONT. 40 CONT. 40 CONT. 40 CONT. 40 CONT. 40	\$3,500 \$120,	PCOMT.105 PCOMT.405 PCOMT.405 PCOMT.405 PCOMT.405 PCOMT.400	\$417,600 \$70,000 \$1,800	\$6,95 \$6,95 \$6,95 \$33 \$33 \$31 \$33 \$31 \$33 \$33 \$33 \$33 \$33
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost angible Well Equipment asing Onive Pipe Onductor Pipe Water String Uniform Sales Sales Water String Uniform Sales Water String Uniform Sales Uniform Sa	ors, ESP, GVLs, PC Pump)	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105 STIMT.120 STIMT.120 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON. 310 CON. 265 CON. 265 CON. 265 CONT. 40 CONT. 40 CONT. 40 CONT. 40 CONT. 40 CONT. 40	\$3,500 \$120,	PCOMT.105 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400	\$417,600 \$70,000 \$1,800	\$6,95 \$6,95 \$6,95 \$32 \$32 \$32 \$32 \$32 \$32 \$32 \$32 \$32 \$32
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost capitales Well Equipment asing whee Pipe Conductor Pipe Water String urface Casing netermediate Casing 1 netermediate Casing 1 netermediate Casing 1 netermediate Casing 2 Drilling Liner Production Casing or Liner Production Tie-Back Liubing Wellhead, Tree, Chokes Liner Hanger, Isolation Packer Packer, Nipples Pumping Unit, Engine Downhole Lift Equipment (BHP, Rods, Ancha fangible Lease Equipment M/C Lease Equipment Beatery (Heater Treater, Separator, Gas Tre Secondary Containments Battery (Heater Treater, Separator, Gas Tre Secondary Containments But Connection	ors, ESP, GVLs, PC Pump) trating Equipment) o facility)	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105 STIMT.120 STIMT.120 STIMT.400	\$3,835,00 \$40,00 \$5,00	CONT.40 CONT.41 CONT.41 CONT.42 CONT.42	\$3,500 \$120,	PCOMT.105 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400	\$417,600 \$70,000 \$1,800	\$6,95 \$6,95 \$3: \$3: \$5: \$5: \$5: \$5: \$5: \$5: \$5: \$5: \$5: \$5
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost angible Well Equipment asing where Pipe conductor Pipe Water String urface Casing urface Casing urface Casing for termediate Casing 1 netermediate Casing 1 netermediate Casing 2 Drilling Liner Production Casing or Liner Production Casing or Liner Production Ties Back trubing Case Casing Uniter Production Packer Packer, Nipples Purping Unit, Engine Downhole Lift Equipment (BHP, Rods, Ancho Tanalible - Lease Equipment Tanks, Tanks Steps, Stairs Battery (Heater Treater, Separator, Gas Tre Secondary Containments Overhead Power Distribution electric line to Facility Electrical & Automation SWD Connection Flow Lines (Line Pipe from wellhead to cent	ors, ESP, GVLs, PC Pump) trating Equipment) o facility)	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.105 STIMT.120 STIMT.120 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON.140 CONT.41 CONT.42 CONT.42 CONT.42 CONT.42 CONT.43 CONT.43 CONT.43	\$3,500 \$120,	PCOMT.105 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400 PCOMT.400	\$417,600 \$70,000 \$1,800	\$6,95 \$6,95 \$32 \$32 \$31 \$31 \$31 \$31 \$31 \$31 \$31 \$31 \$31 \$31
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intengible Cost amplible Well Equipment assing wrive Pipe onductor Pipe voter String urface Casing tetermediate Casing 1 tetermediate Casing 1 tetermediate Casing 2 prilling Liner vroduction Casing or Liner vroduction Casing or Liner vroduction Ties Back urbanger liner Hanger, Isolation Packer acker, Ripples variety for the Cost of the Cost of the Cost variety for the Cost varie	ors, ESP, GVLs, PC Pump) trating Equipment) o facility)	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	DICC.220 DICC.2	\$223,00 5235,00 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	00 STIMT.101 STIMT.200 STIMT.400 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON.140 CONT.40 CONT.41 CONT.41 CONT.41 CONT.41 CONT.41 CONT.41 CONT.42 CONT.42 CONT.42 CONT.43 CONT.43 CONT.43 CONT.43 CONT.44 CONT.44 CONT.44 CONT.44 CONT.44 CONT.44	\$3,500 \$120,	PCOMT.105 PCOMT.405 PCOMT.405	\$417,600	\$6,95 \$6,95 \$33 \$33 \$33 \$5 \$1 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5
ontingency 5% onstruction For Flow Lines onstruction For Sales P/L otal Intangible Cost empibles Well Equipment asing when Pipe onductor Pipe Vater String urface Casing netermediate Casing 1 netermediate Casing 1 netermediate Casing 1 netermediate Casing 2 prilling Liner Production Casing or Liner Production Tie-Back ubling wellhead, Tree, Chokes liner Hanger, Isolation Packer Packer, Mipples Pumping Unit, Engine Downholb Lift Equipment (BHP, Rods, Ancha Grapible Lease Equipment V/C Lease Equipment Tranks, Tanks Steps, Stairs Battery (Heater Treater, Separator, Gas Tre Secondary Containments Battery (Heater Treater, Separator, Gas Tre Secondary Containments Better of the Pipe Pipe From wellhead to cents Pipeline to Sales WIM Connection Flow Lines (Line Pipe from wellhead to cents Pipeline to Sales	ors, ESP, GVLs, PC Pump) trating Equipment) o facility)	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	D DICC.220 D DICC	\$223,00 \$335,00 \$43,00	00 STIMT.101 STIMT.200 STIMT.400 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON.140 CONT.40 CONT.41 CONT.41 CONT.41 CONT.41 CONT.41 CONT.41 CONT.42 CONT.42 CONT.42 CONT.43 CONT.43 CONT.43 CONT.43 CONT.44 CONT.44 CONT.44 CONT.44 CONT.44 CONT.44	\$3,500 \$120,	PCOMT.105 PCOMT.405 PCOMT.405	\$417,600 \$70,000 \$1,800	\$ \$6,95 \$6,95 \$32 \$33 \$31 \$31 \$31 \$31 \$31 \$31 \$31 \$31 \$31
instingency 5% instruction For Flow Lines instruction For Soles P/L tal Intangible Cost implicit Well Equipment insting inver Pipe inductor Pipe inductor Pipe intermediate Casing 1 termediate Casing 1 termediate Casing 2 rilling Liner roduction Casing or Liner roduction Casing or Liner roduction Tie-Back ubring Veilhead, Tree, Chokes iner Hanger, Isolation Packer acker, Nipples iner Hanger, Isolation iner Hanger, Iso	ors, ESP, GVLs, PC Pump) trating Equipment) o facility)	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$5 \$5 \$5 \$325,000 \$325,000 \$325,000 \$325,000 \$325,000 \$325,000	D DICC.220	\$223,00 \$335,00 \$335,00 \$43,00 \$378,0	571MT.101 571MT.105 571MT.105 571MT.105 571MT.400 571MT.400	\$3,835,00 \$40,00 \$5,00	CON.140 CONT.40 CONT.41 CONT.41 CONT.41 CONT.41 CONT.41 CONT.41 CONT.42 CONT.42 CONT.42 CONT.43 CONT.43 CONT.43 CONT.43 CONT.44 CONT.44 CONT.44 CONT.44 CONT.44 CONT.44	\$3,500 \$120,	PCOMT.105 PCOMT.405 PCOMT.405	\$417,600	\$ \$6,95 \$6,95 \$32 \$33 \$31 \$31 \$31 \$31 \$31 \$31 \$31 \$31 \$31
Intingency 5% Instruction For Flow Lines Instruction For Sales P/L Intel Intengible Cost Ingible - Well Equipment Insire Pipe Inductor Pipe Interest Casing Interest Casing Interest Casing I Interest I Interest Casing I Interest	ors, ESP, GVLs, PC Pump) trating Equipment) o facility)	13 3/8" 9 5/8" 0 0 5 1/2" 0 2 3/8"	1500 10150 0 0 18590	\$40.00 \$32.00 \$0.00 \$18.00 \$0.00	DWE8.150 DWE8.130 DWE8.135 DWE8.140 DWE8.145 DWE8.146 DWE8.145	\$112,000 \$2,360,000 \$5 \$ \$ \$ \$50,000 \$325,000 \$325,000 \$35,000 \$35,000 \$35,000 \$35,000 \$35,000	D DICC.220 D DICC	\$223,00 \$335,00 \$335,00 \$43,00 \$378,0	00 STIMT.101 STIMT.200 STIMT.400 STIMT.400	\$3,835,00 \$40,00 \$5,00	CON.140 CONT.40 CONT.41 CONT.41 CONT.41 CONT.41 CONT.41 CONT.41 CONT.42 CONT.42 CONT.42 CONT.43 CONT.43 CONT.43 CONT.43 CONT.44 CONT.44 CONT.44 CONT.44 CONT.44 CONT.44	\$3,500 \$120,	PCOMT.105 PCOMT.405 PCOMT.405	\$417,600	\$6,95 \$6,95 \$33 \$33 \$33 \$5 \$1 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5



6/15/2016 9:22 AM



Authorization For Expenditure

mpany Entity			Date Prepared			
narex Energy Co				June 14,	2016	
Region Well Name	Prospect or Field Name	Property Number	D	Orilling AFE I	Number	
negion -	Trospect of Field Marie		100000000000000000000000000000000000000			
Anadarko Baustert 1H-2920X						
	County	State		Type W	/ell	
SHL: Section 29-11N-7W	THE RESERVE OF STREET		Oil		xpl	
BHL: Section 29-11N-7W	Canadian	ОК	Gas	x Pr	rod	
	Est.Start Date	Est. Comp Date	Format	ion 1	Ttl Measured D	
timate Type	Est.Start Date	Est. Comp Date			18,590'	
riginal Estimate X			WOODF	ORD	Ttl Vertical De	
evised Estimate					11,110'	
ppiementai Estimate		4 - 12 - 12				
upplemental Estimate roject Description brill and complete a horizontal test. Drill to 1500', set surf /-11110' TVD and a +/- 7210' long lateral in the Woodfor	ace casing. Drill to 10150', set intermo d formation. Run and cement produc	ediate casing. Drill to 10 tion casing. Stage frac ir	628' (KOP). Dril n 41 stages. Dril	Il curve at 12	2 DLS build rate Run productio	
roject Description	ace casing. Drill to 10150', set intermo d formation. Run and cement produc	ediate casing. Drill to 10 tion casing. Stage frac ir	628' (KOP). Dril n 41 stages. Dril	ll curve at 12	2 DLS build rate Run productio	
roject Description rill and complete a horizontal test. Drill to 1500', set surf '-11110' TVD and a +/- 7210' long lateral in the Woodfor sbing. Flow to sales through new facility.	ace casing. Drill to 10150', set intermoded formation. Run and cement produced to the control of the cost Dry Hole Cost	ediate casing. Drill to 10 tion casing. Stage frac ir After Casing	1 41 stages. Drii	Compl	leted Well Cost	
roject Description rill and complete a horizontal test. Drill to 1500', set surf /-11110' TVD and a +/- 7210' long lateral in the Woodfor ubing. Flow to sales through new facility.	d formation. Run and cement produc	After Casing	Point	Compl	leted Well Cost	
oject Description rill and complete a horizontal test. Drill to 1500', set surf -11110' TVD and a +/- 7210' long lateral in the Woodfor bing. Flow to sales through new facility. stangibles rilling Costs	Dry Hole Cost	After Casing	Point	Compl \$	leted Well Cost 2,360,000 4,596,100	
roject Description rill and complete a horizontal test. Drill to 1500', set surf /-11110' TVD and a +/- 7210' long lateral in the Woodfor	d formation. Run and cement produc	After Casing	Point	Compl \$	leted Well Cost	
roject Description rill and complete a horizontal test. Drill to 1500', set surf /-11110' TVD and a +/- 7210' long lateral in the Woodfor ubing. Flow to sales through new facility. Intangibles Intaligibles Intelligible Costs Intangible Costs Intangible Costs Intangible Costs	Dry Hole Cost	After Casing	Point	Compl \$ \$ \$	leted Well Cost 2,360,000 4,596,100 6,956,100	
roject Description rill and complete a horizontal test. Drill to 1500', set surf /-11110' TVD and a +/- 7210' long lateral in the Woodfor ubing. Flow to sales through new facility. Intangibles rilling Costs completion Costs ontal Intangible Costs angibles	Dry Hole Cost	After Casing \$4,596,10 \$4,596,10 \$494,80	Point 00 00	Compl \$ \$ \$	leted Well Cost 2,360,000 4,596,100 6,956,100	
roject Description rill and complete a horizontal test. Drill to 1500', set surf l-11110' TVD and a +/- 7210' long lateral in the Woodfor ubing. Flow to sales through new facility. ntangibles rilling Costs completion Costs otal Intangible Costs langibles Well Equipment	Dry Hole Cost \$2,360,000	After Casing \$4,596,10	Point 00 00	Compl \$ \$ \$	leted Well Cost 2,360,000 4,596,100 6,956,100 \$914,800 \$352,323	
roject Description rill and complete a horizontal test. Drill to 1500', set surf /-11110' TVD and a +/- 7210' long lateral in the Woodfor ubing. Flow to sales through new facility. Intangibles rilling Costs completion Costs cotal Intangible Costs cangibles	Dry Hole Cost \$2,360,000	After Casing \$4,596,10 \$4,596,10 \$494,80	Point DO	Compl \$ \$ \$	leted Well Cost 2,360,000 4,596,100 6,956,100	
roject Description rill and complete a horizontal test. Drill to 1500', set surf /-11110' TVD and a +/- 7210' long lateral in the Woodfor ubing. Flow to sales through new facility. Intangibles rilling Costs completion Costs otal Intangible Costs angibles Vell Equipment ease Equipment otal Tangible Well Cost	Dry Hole Cost \$2,360,000 \$420,000 \$420,000	After Casing \$4,596,10 \$4,596,10 \$494,80 \$352,32 \$847,12	Point DO	Compl \$ \$ \$	leted Well Cost 2,360,000 4,596,100 6,956,100 \$914,800 \$352,323	
roject Description rill and complete a horizontal test. Drill to 1500', set surf -11110' TVD and a +/- 7210' long lateral in the Woodfor ubing. Flow to sales through new facility. Intangibles rilling Costs completion Costs otal Intangible Costs angibles Vell Equipment ease Equipment	Dry Hole Cost \$2,360,000 \$2,360,000	After Casing \$4,596,10 \$4,596,10 \$494,80 \$352,32	Point DO	Compl \$ \$ \$	leted Well Cost 2,360,000 4,596,100 6,956,100 \$914,800 \$352,323 11,267,123	