

## **Authorization For Expenditure**

MAREX ENERGY CO							7/2016		
Anadarko			Id Name T PROSPECT	350012-466.01	27/11/ng AFE No. 2216113				
ation		County							
. 11-16N-12W, Blair	ne. OK	Biaine		State OK	Oil	145	Expl	X	
					Gos	_ X	Prod	1	
mate Type		Est Stort Date	fst	Comp Date	Form	ation		sured De	
iginal Estimate vised Estimate	X	03/01/2017	06	6/01/2017	Mera	mec	20,380' 10 Vertical bar 10,600'		
pplemental Estimate					. mary spine to				
	440' long lateral in the Mer	set surface casing. Drill to 9030' se amec formation. Run and cement							
angibles		Dry Hole C	ost	After Casing P	oint	Com	mpleted Well Cost		
lling Costs		\$3,342,00			MAIM		\$3,342,0	00	
npletion Costs al Intangible Costs		\$3,342,0	00	\$5,938,217 \$5,938,217			\$5,938.2		
				33,330,631			4-)2-00,2		
gibles l Equipment		\$322,00	0	\$386,302			\$708,30	2	
se Equipment		3322,00	mmma.	\$380,302			\$349,83		
al Tangible Well Co	st	\$322,00	0	\$736,133			\$1,058,1		
and Abandon Carl				50		50			
g and Abandon Cost		50							
al Well Cost  numbers Well Cost All tubulars, well or l	ats lease equipment is priced t	\$3,664.00 \$3,664.00 by COPAS and CEPS guidelines using		\$6,674,350			\$10,338,3	50	
al Well Cost  Italians well or I  Emircellistication  gas Operator condu- must provide a cert	lease equipment is priced to lease equipment is priced to ated below, you, as a non- ucts operations hereunder a tificate of such insurance	\$3,564.00  by COPAS and CEPS guidelines using the state of the state of the company your prorated share of the company to the	g the Historic Pri gree to be cove he premiums th and limits, at the	\$6,674,350 sice Multiplier. red by Operator's we erefore. If you elect time this AFE is retu	ell control ins to purchase med, if availa	surance pro your own able, but Ir	ocured by well contr	Operator ol insuran	
al Well Cost  Itanace of Well Cost  Itanace	lease equipment is priced to lease equipment is priced to ated below, you, as a non- ucts operations hereunder a tificate of such insurance	\$3,664.00 by COPAS and CEPS guidelines using the company of the co	g the Historic Pri gree to be cove he premiums th and limits, at the	\$6,674,350 sice Multiplier. red by Operator's we erefore. If you elect time this AFE is retu	ell control ins to purchase med, if availa	surance pro your own able, but Ir	ocured by well contr	Operator ol insuran	
al Well Cost  Impresos Well Cost  Il tubulars, well or I  Conformation  as otherwise indica  as Operator condu  must provide a cert  imencement of drill  cured by Operator.	lease equipment is priced to lease equipment is priced to ated below, you, as a non- ucts operations hereunder a tificate of such insurance	\$3,564.00  by COPAS and CEPS guidelines using a perating working interest owner, a sand to pay your prorated share of teceptable to Operator, as to form a that failure to provide the certifica	g the Historic Pri gree to be cove he premiums th and limits, at the	\$6,674,350 sice Multiplier. red by Operator's we erefore. If you elect time this AFE is retu	ell control ins to purchase med, if availa	surance pro your own able, but Ir	ocured by well contr	Operator ol insuran	
al Well Cost  Itanine cos Well Cost  Itanine cos Well Cost  Itanine cos Well Cost  Itanine cost  Ita	ated below, you, as a non- cits operations hereunder it filicate of such insurance a ling operations. You agree chase my own well control procured by Operator, pro	\$3,564.00  by COPAS and CEPS guidelines using a perating working interest owner, a sand to pay your prorated share of teceptable to Operator, as to form a that failure to provide the certifica	g the Historic Pringree to be coven the premiums the pringree to the premiums the pringree to the coven the pringree to the pr	\$6,674,350 ice Multiplier.  red by Operator's we erefore. If you elect time this AFE is retu as provided herein, 1	ell control ins to purchase med, if avail will result in y	surance pro your own able, but ir your being	ocured by well contr n no even g covered l	Operator of insuran later that by insuran	
ess otherwise indica g as Operator condu must provide a cert muncement of drill cured by Operator.  I elect to pure ill control insurance e ted redrilling and cle	ated below, you, as a non- cits operations hereunder it filicate of such insurance a ling operations. You agree chase my own well control procured by Operator, pro	s3,564.00 by COPAS and CEPS guidelines using operating working interest owner, a and to pay your prorated share of to ceptable to Operator, as to form a that failure to provide the certifical linsurance policy, wides, among other terms, for \$20,000.	g the Historic Pringree to be coven the premiums the pringree to the premiums the pringree to the coven the pringree to the pr	\$6,674,350 ice Multiplier.  red by Operator's we erefore. If you elect time this AFE is retu as provided herein, 1	ell control ins to purchase med, if avail will result in y	surance pro your own able, but ir your being	ocured by well contr n no even g covered l	Operator of insuran later that by insuran	
al Well Cost  attentions Well cost  attentions well or I  attentions well or I  attentions well or I  control insurance  attentions well or I  attentions	ated below, you, as a non- cits operations hereunder it filicate of such insurance a ling operations. You agree chase my own well control procured by Operator, pro- ean-up/pollution expense der arm's-length contracts time. Should you choose the	s3,564.00 by COPAS and CEPS guidelines using operating working interest owner, a and to pay your prorated share of to ceptable to Operator, as to form a that failure to provide the certifical linsurance policy, wides, among other terms, for \$20,000.	g the Historic Pringree to be cover the premiums the premiums the premiums the final firmits, at the te of insurance, the properties of the premium with a \$1,00 contracts may in marex, you will inditions pursuantitions pursuantitio	\$6,674,350 sice Multiplier.  red by Operator's we erefore. If you elect time this AFE is retu as provided herein, v.  V.I.) of Combined Sin (0,000 (100% W.I.) de clude fees. In addith be subject to all of the int to which gas will be subject to all of the int	ell control ins to purchase med, if avails will result in s igle Limit coverable.	surance pro your own able, but in your being rerage for v	ocured by well contro n no eveni g covered l well contro curred for	Operator of insuran later than by insuran of and	
at Well Cost  Introduces Well Cost  Introduc	ated below, you, as a non- cicts operations hereunder citificate of such insurance a ling operations. You agree chase my own well control procured by Operator, pro- ean-up/pollution expense der arm's-length contracts time. Should you choose i arketing Department, we we ction to market your gas will e my gas in kind.	by COPAS and CEPS guidelines using a perating working interest owner, a and to pay your prorated share of the certification of the cert	gree to be cove he premiums th and limits, at the te of insurance, 200,000 (100% v 200,000 (100% v 200% v 200,000 (100% v 200,000 (100% v 200,	\$6,674,350 sice Multiplier.  red by Operator's we erefore. If you elect time this AFE is retu as provided herein, which are provided herein, which go to all of the be subject to all of the int to which gas will be the above.	ell control ins to purchase med, if avails will result in s igle Limit coverable.	surance pro your own able, but in your being rerage for v	ocured by well contro n no eveni g covered l well contro curred for	Operator of insuran later than by insuran of and	
al Well Cost  Interpreses Well Cost  Il tubulars, well or I  Connecting unitarity  ass Operator condu- must provide a cert imencement of drill cured by Operator.  I elect to pure I control insurance   ted redrilling and cle  Active 3 faction arex sells its gas une mes delivered over vest to Cimarex's Mid be deemed an elect  I elect to take  I elect to mar	ated below, you, as a non- cited below, you, as a non- cited operations hereunder a ling operations. You agree chase my own well control procured by Operator, pro- ean-up/pollution expense der arm's-length contracts time. Should you choose arketing Department, we we ction to market your gas will e my gas in kind. rket my gas with Cimarex p	by COPAS and CEPS guidelines using a parating working interest owner, a sand to pay your prorated share of the ceptable to Operator, as to form a that failure to provide the certifical linsurance policy, wides, among other terms, for \$20,4 covering drilling (through completion of the completion of the certifical with third party purchasers. Such of the certifical with third party purchasers. Such of the certifical control of the certifical certifical certification of the certifical certification of the certifical certification of the certification o	gree to be coven the premiums the first that the fi	\$6,674,350 sice Multiplier.  red by Operator's we erefore. If you elect time this AFE is retu as provided herein, v. V.I.) of Combined Sin 0,000 (100% W.I.) declude fees. In addittibe subject to all of the int to which gas will be the above.	ell control ins to purchase med, if avails will result in agie Limit cov ductible. on, penalties be terms of salu actual costs in agrees to pay	surance proyour own able, but in able, but in good and able in a series of the contraction of the contraction may exceed its proportion of the contraction of the con	well control well control covered l well control covered l well control curred for cts. Upon e an electi d the estir	Operator of insuran later that by insuran of and insufficie written on below	
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EXHIBIT C.S.R. C.S.R.

2/21/17



Total Cost

## **Project Cost Estimate**

Lease Name:							**************************************	1700777414441	747777111717
	ECP - Drilling (Dry Hole Cost)		ACP - Drilling		Completic Stimulati				
Roads & Location Preparation / Restoration				DIDC 100	\$148,000	Codes	ammin	Codes	\$11,0
Damages				DIDC.105	\$25,000			001_MiT2	\$11,0
Mud / Fluids Disposal Charges		and the second second	and the same	DIDC.255	\$82,000			STIM.255	\$60,0
Day Rate 50.00 DH Days 5.00 ACP Day.		\$17,000.00	Per Day	DIOC 115	\$850,000	DICC.120	\$85,000	MIMIM	WWW.
Misc Preparation Cost (mouse hale, rat hale, pads, pile cluste	ers, misc.)			DIDC.120	\$26,000	STATE AND ADDRESS OF THE PARTY			
Bits Fuel \$1.80 Per Gollon	Тинапия	Gallons Per D		DIDC.125	\$205,000		SO.		
Water for Drilling Rig / Completion Fluids (Not Froc Water)	1 ********	Gallons Per D	ay	DIDC.135 DIDC.140	\$162,000 \$16,000	DICC 130 DICC 135	\$0 \$1,000	THE PERSON NAMED IN	
Mud & Additives				DIDC.145	\$484,000	UICC 135	\$1,000	ST(M.195	\$35,0
Surface Rentals				DIDC 150	\$50,000	DICC 140	\$0	STIM.140	\$200,0
Downhale Rentals	agranded Co			DIDC.155	540,000	UHIIII.	William III	STIM.145	\$98,0
Formation Evaluation (DST, Coring including evaluation, G&C		52220 (2.34.89)		DIDC 160	50			STIM,150	
	O Days @	\$1,000.00	Per Day	DIDC 170	\$48,000				
Open Hole Lagging Cementing & Float Equipment				DIDC 180	\$0				
Tubular Inspections				DIDC 195	\$44,000 \$7,000	DICC 155	\$80,000		
Casing Crews			7-772 THE	DIDC 190	\$11,000		\$10,000 \$15,000	STIM.160 STIM.165	\$4,0
Extra Labor, Welding, Etc.				DIDC,200	\$5,000		\$5,000	STIM-170	
and Transporation (Trucking for tangibles)			HARRIE TA	0:00.205	\$10,000		\$13,000	STIM.175	\$5,0
Supervision		\$3,500.00	Per Day	DIDC 210	\$210,000	DICC 180	\$18,000	5TIM.180	\$95,0
Trailer House / Camp / Catering		THE PARTY OF		DIDC 280	\$18,000	DICC 255	\$4,000	\$TIM.280	\$8,0
Other Misc Expenses  Overhead		F-107 700 1100 1100 1100 1100 1100 1100 1	AAAA 201111	DIDC 220	\$1,000	DICC 190	\$0	STIM.190	\$8,0
Remedial Cementing	Y-220,2225			DIDC.225	\$20,000	DICC.195	\$5,000	5T(M.215	
MOB/DEMOB	C0500000000000000000000000000000000000	200 - WILLIAM		DIDC 240	\$160,000			3104.215	mmm
Directional Drilling Services	Service Constitution			DIDC 245	\$421,000				
Crane for Construction				MIIIII					
Solids Control				DIDC 260	\$35,000	mmn.		MAMAN S	
Well Control Equip (Snubbing Svcs.)				DIDC 265	\$75,000	DICC 240	\$6,000	STIM 240	\$17,0
Fishing & Sidetrack Operations  Completion Rig				DIDC 270	\$0	DICC.245	\$0	STIM 245	
Coil Tubing	1455			<b>********</b>				STIM 115	A. a.c. a
Completion Logging, Perforating, WL Units, WL Surveys			100					STIM.260 STIM.200	\$186,0 \$128,0
Camposite Plugs								STIM 390	\$52,0
Stimulation Pumping Charges, Chemicals, Additives, Sand		22.22.32.2		IIIII ili				STIM 210	\$3,248,0
Stimulation Water / Water Transfer / Water Storage								STIM,395	\$340,0
Simarex Owned Frac / Rental Equipment								STIM.305	\$45,0
Legal / Regulatory / Curative Well Cantrol Insurance \$0.50   Per Font				DIDC 300	\$20,000	944466			
Contingency 5.0 % of Drilling Intangib	dac			DIDC 285	\$10,000	MARKET STATE			
Construction For Flow Lines	rea			UIDCA35	3139,000	DICC.220	\$13,000	STIM.220	\$227,0
Construction For Sales P/L									
Total Intangible Cost				A SECULAR PROPERTY.	\$3,342,000		\$255,000		<i>anami</i>
									54,767,0
									\$4,767,00
			6/5	vinine e	73,344,040	,,,,,,,,,,		mar	\$4,767,0
Casing	Size	Feet 0.00							\$4,767,0
Casing Drive Pipe	0	0.00	\$0.00	DWEB.150	\$0				\$4,767,0
Casing Drive Pipe Conductor Pipe		A STATE OF THE PARTY OF T	\$0.00 \$0.00	DWEB.130	\$0 \$0				\$4,767,0
asing prive Pipe Conductor Pipe Vater String	0	0.00	\$0.00	DWEB.150	\$0				\$4,767,0
osing Pirve Pipe Conductor Pipe Voter String Urface Casing	0	0.00 0.00 0.00	\$0.00 \$0.00 \$0.00	DWEB.130 DWEB.135	\$0 \$0 \$0				\$4,767,0
Cosing Drive Pipe Conductor Pipe Vater String urface Cosing ntermediate Casing 1 ntermediate Casing 2	0 0 0 13.375 9.625	0.00 0.00 0.00 1500.00	\$0.00 \$0.00 \$0.00 \$35.00	DWEB.130 DWEB.135 DWEB.140	\$0 \$0 \$0 \$0 \$53,000				\$4,767,0
iasing irive Pipe oraductor Pipe Vater String urface Casing itermediate Casing 1 termediate Casing 2 rifiling Liner	0 0 0 13.375 9.625 0	0.00 0.00 0.00 1500.00 9030.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00	DWEB.130 DWEB.135 DWEB.140 DWEB.145	\$0 \$0 \$0 \$53,000 \$244,000				\$4,767,0
lasing prive Pipe tonductor Pipe Vater String urface Casing attermediate Casing 1 tetermediate Casing 2 ritiling Liner roduction Casing or Liner	0 0 0 13.375 9.625 0 0 5.5	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00	DWEB.150 DWEB.130 DWEB.135 DWEB.140 DWEB.145 DWEB.155	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0	DWFA-100	\$285,000		\$4,767,0
osing Pipe Vonductor Pipe Votater String Urface Casing Itermediate Casing 1 Itermediate Casing 2 Itermediate Casing 2 Itermediate Casing 7 Itermediate Casing 7 Itermediate Casing 7 Itermediate Casing 8 Itermediate Casing 9 Itermediate Casin	0 0 0 13.375 9.625 0 0 5.5	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.130 DWEB.135 DWEB.140 DWEB.145 DWEB.155	\$0 \$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0	DWFA.100 DWEA.165	\$285,000	STIMT 101	
asing prive Pipe oraductor Pipe Vater String urface Casing stermediate Casing 1 stermediate Casing 2 rrilling Liner roduction Casing or Liner roduction Tie-Back	0 0 0 13.375 9.625 0 0 5.5	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.145 DWEB.155 DWEB.160	\$0 \$0 \$0 \$5,500 \$244,000 \$0 \$0	DWEA 165	\$285,000 \$0	STIMT, 101 STIMT, 105	
asing prive Pipe croductor Pipe Vater String urface Casing urface Casing 1 itermediate Casing 2 rilling Liner roduction Tae Back ubing Velihead, Tree, Chokes	0 0 0 13.375 9.625 0 0 5.5	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120	
asing prive Pipe onductor Pipe Vater String urface Casing urface Casing 1 itermediate Casing 1 ritling Liner roduction Tai-Back ubing Velihead, Tree, Chakes iner Hanger, Isolation Packer	0 0 0 13.375 9.625 0 0 5.5	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.145 DWEB.155 DWEB.160	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165	\$285,000 \$0	STIMT.101 STIMT.105 STIMT.120	\$25,00
asing anductor Pipe Vater String urface Casing a stermediate Casing 1 stermediate Casing 2 rilling Liner roduction Tie-Back urbing Pielihead, Tree, Chokes inner Hanger, Isolation Packer acker, Nipples	0 0 0 13.375 9.625 0 0 5.5	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	5TIMT.101 5TIMT.105 STIMT.120 STIMT.400	\$25,00
asing rive Pipe orductor Pipe Vater String urface Casing 1 stermediate Casing 1 stermediate Casing 2 rilling Liner roduction Tie-Back ubding Veilhead, Tree, Chokes ner Hanger, Isolation Packer acker, Nipples ungsing Unit, Engine ownhole Lift Equipment (BHP, Rods, Anchors, ESP, GVts, PC)	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120	\$25,00
rasing prive Pipe traductor Pipe Vater String urface Casing urface Casing 1 itermediate Casing 1 itermediate Casing 2 ritilling Liner roduction Tailor Back ubbing velihead, Tree, Chokes iner Hanger, Isolation Packer acker, Mipples uniping Unit, Engine ownhole Uff Equipment (BHP, Rods, Anchors, ESP, GVts, PC) inestlict - Case Equipment	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$4,767,0 \$ \$ \$ \$25,00 \$ \$ \$ \$
iasing Jarive Pipe Jorductor Pipe Vater String Jurface Casing Jurface Casing Intermediate Casing 1 Intermediate Casing 2 Intilling Liner Fooduction Tie-Back Jubing Veilhead, Tree, Chokes Jiner Hanger, Isolation Packer Jorker, Mipples Jumping Unit, Engine Jonath Casing County Jumping Unit, Engine Jumpin	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,00
rasing prive Pipe conductor Pipe Vater String urface Cosing urface Cosing 1 netermediate Casing 1 netermediate Casing 2 nilling Liner roduction Tie-Back ubling Velihead, Tree, Chokes iner Hanger, Isolation Packer acker, Nipples umping Unit, Engine ownhole Lift Equipment (BHP, Rods, Anchors, ESP, GVts, PC I seciliate Leave Equipment Vel Lease Equipment unks, Tänks Steps, Stairs	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,00
Casing  Jorive Pipe  Jorive Pipe  Voter String  Jorive Casing  Intermediate Casing 1  Intermediate Casing 2  Jorithing Liner  Troduction Tae-Back  Jorithing Liner  Troduction Tie-Back  Jorithing Liner  Jorithing Liner  Troduction Tie-Back  Jorithing Liner  Jori	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,00
Casing Drive Pipe Conductor Pipe Water String Unface Costing Intermediate Casing 1 Intermediate Casing 2 Polithing Liner Troduction Tie-Back Urbing Veilhead, Tree, Chokes Iner Hanger, Isolation Packer Tacker, Nipples Uning Unit, Engine Downhole Lift Equipment (BMP, Rods, Anchors, ESP, GVts, PC) Trails Cost Lanck Equipment Lift Case Equipment Tracks Steps, Stoirs Ordery (Heaser Treater, Separator, Gas Treating Equipment) Eccondary Containments	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,0
Casing Drive Pipe Conductor Pipe Water String Urface Casing Urface Casing Intermediate Casing 1 Intermediate Casing 2 Drilling Liner Production Tic-Back Urbaing Wellhead, Tree, Chokes Iner Hanger, Isolation Packer Tracker, Nipples Urming Unit, Engine Downhole Lift Equipment (BHP, Rads, Anchors, ESP, GVts, PC I Total Casing Casing Company Urlices Equipment Urlices Equipm	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,0
Casing Drive Pipe Conductor Pipe Water String Surface Casing Intermediate Casing 1 Intermediate Casing 2 Orliling Liner Production Tie-Back Using Velihead, Tree, Chokes Iner Hanger, Isolation Packer Transport Intermediate Casing 1 Intermediate Casing or Liner Production Tie-Back Using Velihead, Tree, Chokes Iner Hanger, Isolation Packer Transport Intermediate Casing Transport Intermediate Casing Transport Intermediate Transport Intermediate Transport Intermediate Transport Intermediate Transport Intermediate Transport Intermediate Treater, Separator, Gas Treating Equipment) Technology Containments Transport Intermediate Treater Separator Intermediate Treater Observation (electric line to facility) Tacility Electrical & Automation	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,00
Encising Drive Pipe Cosing Drive Pipe Conductor Pipe Water String Surface Cosing Intermediate Cosing 1 Intermediate Cosing 2 Drilling Limer Production Cosing or Limer Production Cosing or Limer Production Tie-Bock Urbing Wellhead, Tree, Chokes Iner Hanger, Isolation Packer Packer, Nipples Vanning Unit, Engine Downhole Lift Equipment (BMP, Rods, Anchors, ESP, GVts, PC I Freshold Electric Equipment VC Lease Treater, Separator, Gas Treating Equipment) Secondary Containments Deephead Power Distribution (electric line to facility) acting Electrical & Automation WD Connection Now Lines (Line Pipe from wellhead to central facility)	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,0
Casing Drive Pipe Conductor Pipe Water String Surface Casing Intermediate Casing 1 Intermediate Casing 2 Orliling Liner Production Tie-Back Using Velihead, Tree, Chokes Iner Hanger, Isolation Packer Transport Intermediate Casing 1 Intermediate Casing or Liner Production Tie-Back Using Velihead, Tree, Chokes Iner Hanger, Isolation Packer Transport Intermediate Casing Transport Intermediate Casing Transport Intermediate Transport Intermediate Transport Intermediate Transport Intermediate Transport Intermediate Transport Intermediate Treater, Separator, Gas Treating Equipment) Technology Containments Transport Intermediate Treater Separator Intermediate Treater Observation (electric line to facility) Tacility Electrical & Automation	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,00
Casing Drive Pipe Conductor Pipe Water String Surface Casing 1 Intermediate Casing 1 Intermediate Casing 2 Orliling Liner Production Tie-Back Using Velihead, Tree, Chokes Iner Hanger, Isolation Packer Transport Intermediate Casing 2 Intermediate Casing or Liner Production Tie-Back Using Velihead, Tree, Chokes Iner Hanger, Isolation Packer Tracker, Nipples Transport Intermediate Treater, Separator, Gas Treating Equipment) Tecondary Containments The Price of The Transport Transport Intermediate Treater, Separator, Gas Treating Equipment) Transport Transp	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,00
rasing prive Pipe productor Pipe Vater String urface Casing 1 netermediate Casing 1 netermediate Casing 2 ntilling Liner roduction Tie-Back ubling Velihead, Tree, Chakes iner Hanger, Isolation Packer acker, Nipples umping Unit, Engine ownhole Lift Equipment (IMIP, Rods, Anchors, ESP, GVts, PC I registor Litary Equipment units, Tanks Steps, Stairs ottery (Heater Treater, Separator, Gas Treating Equipment) econdary Containments verhead Power Distribution (electric line to facility) actility Electrical & Automation MD Connection MD	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$0 \$25,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,00
Casing Drive Pipe Drive Pipe Vater String Urface Cosing Intermediate Casing 1 Intermediate Casing 2 Drilling Liner Troduction Tie-Back Urbing Velihead, Tree, Chokes Iner Hanger, Isolation Packer Towker, Nipples Urbing Urbing Velihead, Tree, Chokes Iner Hanger, Isolation Packer Towker, Nipples Urbing Ur	0 0 0 13.375 9.625 0 0 5.5 0	0.00 0.00 0.00 1500.00 9030.00 0.00 0.00 20380.00 0.00	\$0.00 \$0.00 \$0.00 \$35.00 \$27.00 \$0.00 \$0.00 \$14.00 \$0.00	DWEB.150 DWEB.135 DWEB.140 DWEB.145 DWEB.155 DWEB.160 DWEB.151	\$0 \$0 \$0 \$53,000 \$244,000 \$0 \$0 \$25,000 \$0 \$322,000	DWEA 165 DWEA 120	\$285,000 \$0 \$25,000 \$0 \$25,000 \$1	STIMT.101 STIMT.105 STIMT.120 STIMT.400 STIMT.405	\$25,0

\$4,792,000

\$565,000

\$3,664,000



## **Project Cost Estimate**

			m	

Lease Name:								
					Production		Post	Total Well
				The Co.	Equipment /		Completion	Cost
Intangibles				Codes	Construction	Cades		
Roads & Location Preparation / Restoration				CON.100		PCOM-100	\$1,000	\$162,500
Damages Mud / Fluids Disposal Charges		<u> </u>		CON 105	\$0			\$25,000
Day Rate 50.00 DH Days 5.00 ACP Days	s @	\$17,000.00	Per Day	<b>******</b>		PCOM.255	\$341,766	\$483,766
Misc Preparation Cost (mause hale, rat hale, pads, pile cluste		727,000.00	II di boy					\$26,000
Bits		124312 401-14-10				PCOM.125	\$0	\$205,000
Fuel \$1.80 Per Gallon	ununn	Gallans Per D	lay			PCOM.130	50	\$162,000
Water for Drilling Rig / Completion Fluids (Not Frac Water)	MP		Charles III			PCOM,135	\$1,000	\$53,000
Mud & Additives			in the state of					\$484,000
Surface Rentals  Downhole Rentals				CON.140	\$9,650	PCOM 140	\$372,771	\$632,421
Formation Evaluation (DST, Caring Including evaluation, G&G	Services					PCOM, 145	\$0	\$138,000
	O Davs @	\$1,000.00	Per Day					\$48,000
Open Hole Logging	and the second	22						SC
Cementing & Float Equipment	Million (181				ananin	anna in an		5124,000
Tubular Inspections						PCOM,160	\$3,700	\$24,700
Casing Crews				Milliand				\$26,000
Extra Labor, Welding, Etc.				CON.170		PCOM_170	\$0	\$84,550
Land Transporation (Trucking for tangibles) Supervision		\$3,500.00	Ines Omi	CON 175		PCOM.175	\$6,800	\$42,000
Trailer House / Comp / Catering	-	33,500.00	Per Day	CON 180	\$5,950	PCDM.180	\$2,550	\$331,500
Other Misc Expenses				CON-190	\$4,000	PCOM.190	50	\$13,000
Overhead								\$25,000
Remedial Cementing					anninin.	PCOM-215	\$0	50
MOB/DEMOB						Manning.		\$160,000
Directional Drilling Services	20.3444444							\$421,000
Crane for Construction				CON 230	\$0			\$0
Solids Control								\$35,000
Well Control Equip (Snubbing Svcs.) Fishing & Sidetrack Operations						PCCM.240	\$25,350	\$123,350
Completion Rig		SERVICE TORRIDORS				PCOM.245	\$13,800	\$13,800
Coil Tubing	PRINCIPLE OF					PCOM.260	\$0	\$186,000
Completion Logging, Perforating, WL Units, WL Surveys		The promise of				PCDM.200	50	\$128,000
Composite Plugs						PCOM,390	SO	\$52,000
Stimulation Pumping Charges, Chemicals, Additives, Sand				Mille		PCOM,210	50	\$3,248,000
Stimulation Water / Water Transfer / Water Storage					anamm.			\$340,000
Cimarex Owned Frac / Rental Equipment								\$45,000
Legal / Regulatory / Curative   Well Control Insurance   \$0.50   Per Faot				CON.300	\$0	44444		\$20,000
Contingency 5.0 % of Drilling Intangib	los			CON 220	\$5,193	PCDM-220	\$38,437	\$10,000
Construction For Flow Lines	ne.s			CON.310	\$3,193		\$30,437	\$442,630 \$0
Construction For Sales P/L				CON.265	\$0			50
Total Intangible Cost					\$109,043		\$807,174	\$9,280,217
			227					
Tangible - Well Equipment								
Casing Date Sing	Size	Feet	\$/Foot					
Orive Pipe Conductor Pipe	0	0.00	\$0.00					\$0
Water String	0	0.00	\$0.00				9999999 <del>)</del>	\$0 \$0
Surface Casing	13.375	1500.00	\$35.00					\$53,000
Intermediate Casing 1	9.625	9030.00	\$27.00					\$244,000
Intermediate Casing 2	0	0.00	\$0.00					SO
Drilling Liner	0	0.00	\$0.00	mmm.				\$0
Production Casing or Liner	5.5	20380.00	514.00					\$285,000
Production Tie-Back	0	0.00	50.00					\$0
Tubing Wellhead, Tree, Chokes	2.875	0.00	50.00			PCOMT.105	\$49,502	\$49,502
Liner Hanger, Isolation Packer	FRIPSIPA							\$75,000
Packer, Nipples						PCOMT.400	\$1,800	\$0 \$1,800
Pumping Unit, Engine	*********					PCOM1,405	\$0	\$0
Downhole Lift Equipment (BHP, Rads, Anchors, ESP, GVLs, PC)	Pump)					PCOMT.410	\$0	50
Fangible - Lease Equipment								
N/C Lease Equipment	arther section			CONT.400	\$69,387			\$69,387
Tanks, Tanks Steps, Stoirs				CONT.405	\$61,047			\$61,047
Battery (Heater Treater, Separator, Gas Treating Equipment) Secondary Containments					\$125,205			\$125,205
				CONT.415	\$8,500			\$8,500
Overhead Power Distribution (electric line to facility) Facility Electrical & Automation				CONT.420	\$55,488			\$0
SWD Connection				CONT.425	\$55,488			\$55,488
Flow Lines (Line Pipe from wellhead to central facility)				CONT.435	\$0			\$0 \$0
Pipeline to Sales				CONT.440	\$0			\$0
Meters and Metering Equipment				CONT,445	\$30,204			\$30,204
Total Tangibles	**********				\$349,831	EFFEL ATTEME	\$51,302	\$1,058,133
DR & Cook				www.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	mmmm	
P&A Costs			23335					\$0
Total Cost					\$458,874		\$858,476	\$10,338,350
	NAME OF TAXABLE PARTY.		-	-	2420,074	4.000	3030,479	314,338,330