

**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**APPLICATIONS OF CIMAREX ENERGY CO.  
FOR A HORIZONTAL SPACING UNIT  
AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO**

**Case Nos. 23448 – 23455**

**APPLICATIONS OF CIMAREX ENERGY CO.  
FOR COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO**

**Case Nos. 23594 – 23601**

**APPLICATIONS OF READ & STEVENS, INC.  
FOR COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO**

**Case Nos. 23508 – 23523**

**NOTICE OF FILING EXHIBITS**

Cimarex Energy Co., applicant in the above- referenced cases, gives notice that it is filing the attached exhibits for acceptance into the record. Rebuttal Exhibit 1 is filed as a rebuttal exhibit. Exhibit 2 is filed to provide the Division Cimarex's updated AFEs for the Mighty Pheasant and Loosey Goosey Wells.

**Rebuttal Exhibit 1** Slide 5 from Permian Resources Second Quarter 2023 Earnings Presentation

**Exhibit 2** Updated AFEs reflecting August 2023 costs.

Respectfully submitted,

ABADIE& SCHILL, PC

*/s/ Darin C. Savage*

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**Attorneys for Cimarex Energy Co.**

**CERTIFICATE OF SERVICE**

I hereby certify that a true and correct copy of the foregoing was filed with the New Mexico Oil Conservation Division and was served on counsel of record via electronic mail on August 9, 2023:

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***Attorneys for Sandstone Properties, LLC***

*/s/ Darin C. Savage*

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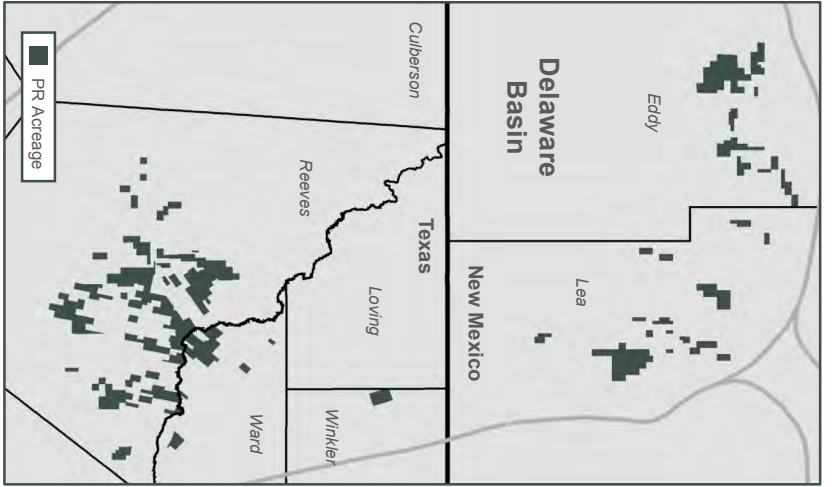
Darin C. Savage

# Permian Resources – Company Overview

**Rebuttal Exhibit 1**

<p><b>Premier Delaware Basin Pure-Play E&amp;P Company</b></p> <ul style="list-style-type: none"> <li>Largest pure-play Delaware Basin E&amp;P company with <b>~180,000</b> net acres, <b>~43,000</b> net royalty acres and <b>~162 MBoe/d</b> of FY'23E production<sup>1</sup></li> <li>Scale and balance sheet strength provide <b>flexibility</b> to quickly respond to a range of market conditions</li> <li><b>Commitment</b> to ESG and corporate sustainability</li> </ul>
<p><b>Top Tier Inventory Quality &amp; Depth</b></p> <ul style="list-style-type: none"> <li>High quality asset base and operating expertise drive <b>capital-efficient development</b> plan</li> <li><b>Inventory depth</b> supports long-term free cash flow and sustainable shareholder returns</li> </ul>
<p><b>Commitment to Balance Sheet Strength</b></p> <ul style="list-style-type: none"> <li>Committed to <b>financial discipline</b> with strong balance sheet, hedge book and liquidity</li> <li><b>Low leverage</b> profile supports return of capital program through the cycle</li> </ul>
<p><b>Differentiated Shareholder Returns &amp; Alignment</b></p> <ul style="list-style-type: none"> <li>Shareholder-aligned management team with track record of delivering <b>strong returns across cycles</b></li> <li>Returning <b>&gt;50% of free cash flow</b> to shareholders</li> </ul>
<p><b>Continuous Portfolio Optimization</b></p> <ul style="list-style-type: none"> <li>Focused on portfolio optimization to drive <b>shareholder value</b></li> <li>Recently closed transactions increase <b>high-return drilling inventory</b> while generating net cash proceeds</li> </ul>

<p><b>PR Key Statistics</b></p> <p><b>~180,000</b> Net Acres</p> <p><b>~162 MBoe/d</b> FY'23E Production<sup>1</sup></p> <p><b>15+ Years</b> High-Quality Inventory</p> <p><b>~\$8.7 bn</b> Enterprise Value<sup>2</sup></p> <p><b>~1.1x</b> Current Leverage<sup>3</sup></p>
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(1) Based on mid-point of FY'23 Guidance ranges  
 (2) Market data as of August 1, 2023  
 (3) Current leverage represents Net Debt / Q2'23 LGA EBITDAX

# High Quality, Long Dated Inventory Drives Advantaged Productivity



**1 Consistent Development Philosophy**

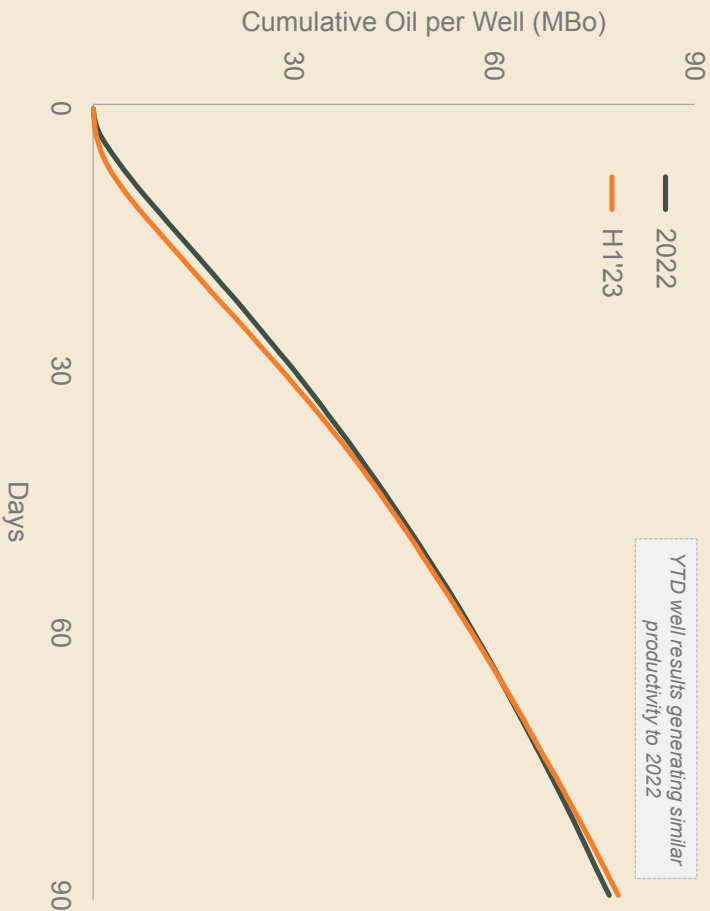
- Co-development of multiple zones maximizes capital efficiency and well productivity
- Allows for high RORs while protecting future development economics

**2 Focused on Primary Delaware Basin Zones**

- Inventory quality and depth allow continued focus on proven, high-performing intervals
  - 2<sup>nd</sup> and 3<sup>rd</sup> Bone Spring in New Mexico
  - 3<sup>rd</sup> Bone Spring and Upper Wolfcamp in Texas

**Long inventory life and methodical development approach drive leading full cycle returns**

**Permian Resources – Average Cumulative Oil Production<sup>1</sup> (MBo)**  
*(Includes all PR Wells Placed on Production in FY'22 and H1'23)*



(1) Production curves reflect internal data and include downtime for items such as artificial lift installation, shut-ins for offset completions, etc.; 2022 curve includes all 148 wells that PR placed on production from January 1, 2022 to December 31, 2022; H1'23 curve includes all 76 wells that PR placed on production from January 1, 2023 through June 30, 2023.



Authorization For Expenditure Drilling

AFE # PAF0000102

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 211H		411504566	PAF0000102

County, State	Location	Estimated Spud	Estimated Completion
LEA, NM	Sections 5 and 8 20S-34E	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	Bone Spring		19,600	10,000
<input type="checkbox"/> Revision				

Purpose: Mighty Pheasant 5-8 Fed Com 211H

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023



**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 211H

AFE # PAF0000102

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 211H

AFE # PAF0000102

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 211H

AFE # PAF0000102

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>			<b>212,193</b>	<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>			<b>30,000</b>	<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>			<b>242,193</b>	<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722066

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 302H		411354292	026722066

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New Supplement Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	3rd Bone Spring		20,820	10,820

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,866,618
<b>Total Intangible Cost</b>	<b>\$7,841,618</b>

Tangible	Cost
Tangible	\$2,780,375
<b>Total Tangible Cost</b>	<b>\$2,780,375</b>

**Total Well Cost \$10,621,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 302H

AFE # 026722066

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	2,056			22,056
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	34,883			134,883
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMobilize	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	18,928	0334.0040	5,000	157,928
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	2,001	0334.0096	60,000	290,001
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	22,714	0334.0116	0	202,714
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	27,312			42,312
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	107,462	0334.0190	0	438,462
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	150,727			150,727
AUTOMATION LABOR					0336.0043	44,672	0334.0043	0	44,672
IPC & EXTERNAL PAINTING					0336.0106	12,277			12,277
FL/GL - ON PAD LABOR					0336.0107	101,729			101,729
FL/GL - LABOR					0336.0108	56,083			56,083
FL/GL - SUPERVISION					0336.0109	10,816			10,816
SURVEY					0336.0112	5,246			5,246
AID IN CONSTRUCT/3RD PARTY CONNECT					0336.0144	75,716			75,716
CONTINGENCY - PIPELINE					0336.0191	35,803			35,803
<b>Total Intangible Cost</b>		2,975,000		3,946,000		708,425		212,193	7,841,618
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	157,110	0334.0303	0	157,110
GATHERING/FLOWLINES					0336.0315	160,409	0334.0315	0	160,409
TANKS, STEPS, STAIRS					0336.0317	74,039			74,039
METERING EQUIPMENT					0336.0321	24,445			24,445
LEASE AUTOMATION MATERIALS					0336.0322	45,970			45,970
FACILITY ELECTRICAL					0336.0324	66,034			66,034
PRODUCTION EQUIPMENT FREIGHT					0336.0327	23,256			23,256
FL/GL - MATERIALS					0336.0331	19,956			19,956
SHORT ORDERS					0336.0332	4,326			4,326
PUMPS					0336.0333	33,585			33,585
WALKOVERS					0336.0334	6,490			6,490
BATTERY (HTR, TRTR, SEPAR, GAS T)					0336.0335	240,288			240,288
SECONDARY CONTAINMENTS					0336.0336	9,843			9,843
OVERHEAD POWER DISTR (TO FACILITY)					0336.0337	45,430			45,430
TELECOMMUNICATION EQUIPMENT					0336.0338	324			324
FACILITY LINE PIPE					0336.0339	30,070			30,070
<b>Total Tangible Cost</b>		1,494,800		314,000		941,575		30,000	2,780,375
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>1,650,000</b>		<b>242,193</b>	<b>10,621,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 302H

AFE # 026722066

Description	Drilling		Comp/Stim	
	Codes	Amount	Codes	Amount
LAND/LEGAL/CURATIVE	0331.0002	10,000		
DAMAGES	0331.0005	20,000		
PAD CLEANUP	0331.0024	0	0333.0024	10,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000		
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000		
RIG MOBILIZE/DEMobilize	0331.0035	110,000		
SUPERVISION	0331.0040	90,000	0333.0040	44,000
DRILLING RIG	0331.0050	758,000		
CASING CREW	0331.0055	43,000	0333.0055	0
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0
RIG FUEL	0331.0071	87,000	0333.0071	0
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073	20,000
DRILL BITS	0331.0080	62,000		
DRILLING MUD & ADDITIVES	0331.0082	285,000		
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000		
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000		
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000
PRIMARY CEMENTING	0331.0120	243,000		
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000
OVERHEAD	0331.0142	15,000	0333.0142	0
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190	188,000
STIMULATION FLUID			0333.0083	155,000
FRAC TREE RENTAL			0333.0098	60,000
FLOWBACK SERVICES			0333.0102	0
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000
COIL TUBING SERVICES			0333.0151	168,000
SWD - PIPED TO 3RD PARTY SWD WELL				
MECHANICAL LABOR				
AUTOMATION LABOR				
IPC & EXTERNAL PAINTING				
FL/GL - ON PAD LABOR				
FL/GL - LABOR				
FL/GL - SUPERVISION				
SURVEY				
AID IN CONSTRUCT/3RD PARTY CONNECT				
CONTINGENCY - PIPELINE				
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000
CONDUCTOR PIPE	0331.0206	6,000		
SURFACE CASING	0331.0207	277,000		
INTERMEDIATE CASING I	0331.0208	781,800		
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0
WATER STRING CASING	0331.0221	70,000		
TUBING			0333.0201	276,000
SURFACE EQUIPMENT				
WELL AUTOMATION MATERIALS				
N/C LEASE EQUIPMENT				
GATHERING/FLOWLINES				
TANKS, STEPS, STAIRS				
METERING EQUIPMENT				
LEASE AUTOMATION MATERIALS				
FACILITY ELECTRICAL				
PRODUCTION EQUIPMENT FREIGHT				
FL/GL - MATERIALS				
SHORT ORDERS				
PUMPS				
WALKOVERS				
BATTERY (HTR TRTR,SEPAR,GAS T)				
SECONDARY CONTAINMENTS				
OVERHEAD POWER DISTR (TO FACILITY)				
TELECOMMUNICATION EQUIPMENT				
FACILITY LINE PIPE				
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 302H

AFE # 026722066

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	2,056				22,056	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	34,883				134,883	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMOLIBIZE						110,000	
SUPERVISION	0336.0040	18,928	0334.0040	5,000		157,928	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	2,001	0334.0096	60,000		290,001	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	22,714	0334.0116	0		202,714	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	27,312				42,312	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	107,462	0334.0190	0		438,462	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	150,727				150,727	
AUTOMATION LABOR	0336.0043	44,672	0334.0043	0		44,672	
IPC & EXTERNAL PAINTING	0336.0106	12,277				12,277	
FL/GL - ON PAD LABOR	0336.0107	101,729				101,729	
FL/GL - LABOR	0336.0108	56,083				56,083	
FL/GL - SUPERVISION	0336.0109	10,816				10,816	
SURVEY	0336.0112	5,246				5,246	
AID IN CONSTRUCT/3RD PARTY CONNECT	0336.0144	75,716				75,716	
CONTINGENCY - PIPELINE	0336.0191	35,803				35,803	
<b>Total Intangible Cost:</b>		<b>708,425</b>			<b>212,193</b>	<b>7,841,618</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	157,110	0334.0303	0		157,110	
GATHERING/FLOWLINES	0336.0315	160,409	0334.0315	0		160,409	
TANKS, STEPS, STAIRS	0336.0317	74,039				74,039	
METERING EQUIPMENT	0336.0321	24,445				24,445	
LEASE AUTOMATION MATERIALS	0336.0322	45,970				45,970	
FACILITY ELECTRICAL	0336.0324	66,034				66,034	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	23,256				23,256	
FL/GL - MATERIALS	0336.0331	19,956				19,956	
SHORT ORDERS	0336.0332	4,326				4,326	
PUMPS	0336.0333	33,585				33,585	
WALKOVERS	0336.0334	6,490				6,490	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	240,288				240,288	
SECONDARY CONTAINMENTS	0336.0336	9,843				9,843	
OVERHEAD POWER DISTR (TO FACILITY)	0336.0337	45,430				45,430	
TELECOMMUNICATION EQUIPMENT	0336.0338	324				324	
FACILITY LINE PIPE	0336.0339	30,070				30,070	
<b>Total Tangible Cost:</b>		<b>941,575</b>		<b>30,000</b>		<b>2,780,375</b>	
<b>Total Estimated Cost</b>		<b>1,650,000</b>		<b>242,193</b>		<b>10,621,993</b>	



Authorization For Expenditure Drilling

AFE # 026722064

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 202H		411354296	026722064

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New Supplement Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	2nd Bone Spring		20,300	10,300

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement. 8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 202H

AFE # 026722064

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total	Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount		
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0				10,000
DAMAGES	0331.0005	20,000			0336.0005	0				20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000		13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334				105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000								20,000
RIG MOBILIZE/DEMobilize	0331.0035	110,000								110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000		153,400
DRILLING RIG	0331.0050	758,000								758,000
CASING CREW	0331.0055	43,000	0333.0055	0						43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0		64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000		30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0		87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0		45,000
DRILL BITS	0331.0080	62,000								62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000								285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000								319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0		186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000		291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000								35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0		194,400
PRIMARY CEMENTING	0331.0120	243,000								243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0		226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533				31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000						177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0		362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0		155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0		60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000		30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0		40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0		2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0		283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0		21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0		168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193		109,193
MECHANICAL LABOR					0336.0042	88,400				88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0		31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400				16,400
FL/GL - ON PAD LABOR					0336.0107	84,000				84,000
FL/GL - SUPERVISION					0336.0109	11,867				11,867
SURVEY					0336.0112	1,467				1,467
CONTINGENCY - PIPELINE					0336.0191	2,000				2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>		<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000		104,000
CONDUCTOR PIPE	0331.0206	6,000								6,000
SURFACE CASING	0331.0207	277,000								277,000
INTERMEDIATE CASING I	0331.0208	781,800								781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0						245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0		59,000
WATER STRING CASING	0331.0221	70,000								70,000
TUBING			0333.0201	276,000			0334.0201	0		276,000
SURFACE EQUIPMENT							0334.0203	15,000		15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000		5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0		90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0		33,733
METERING EQUIPMENT					0336.0321	16,800				16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933				30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000				10,000
FL/GL - MATERIALS					0336.0331	19,467				19,467
SHORT ORDERS					0336.0332	9,333				9,333
WALKOVERS					0336.0334	2,667				2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400				128,400
SECONDARY CONTAINMENTS					0336.0336	5,333				5,333
FACILITY LINE PIPE					0336.0339	11,600				11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>		<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 202H

AFE # 026722064

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		2,975,000			3,946,000	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		1,494,800			314,000	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 202H

AFE # 026722064

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>			<b>212,193</b>	<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>			<b>30,000</b>	<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>			<b>242,193</b>	<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722063

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 201H		411354297	026722063

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New Supplement Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	2nd Bone Spring		20,300	10,300

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 201H

AFE # 026722063

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 201H

AFE # 026722063

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 201H

AFE # 026722063

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>		<b>212,193</b>		<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>		<b>30,000</b>		<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722055

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 103H		411354299	026722055

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New <input type="checkbox"/> Supplement <input type="checkbox"/> Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	1ST BONE SPRING		19,520	9,520

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 103H

AFE # 026722055

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total	Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount		
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0				10,000
DAMAGES	0331.0005	20,000			0336.0005	0				20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000		13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334				105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000								20,000
RIG MOBILIZE/DEMobilize	0331.0035	110,000								110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000		153,400
DRILLING RIG	0331.0050	758,000								758,000
CASING CREW	0331.0055	43,000	0333.0055	0						43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0		64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000		30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0		87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0		45,000
DRILL BITS	0331.0080	62,000								62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000								285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000								319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0		186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000		291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000								35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0		194,400
PRIMARY CEMENTING	0331.0120	243,000								243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0		226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533				31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000						177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0		362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0		155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0		60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000		30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0		40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0		2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0		283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0		21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0		168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193		109,193
MECHANICAL LABOR					0336.0042	88,400				88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0		31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400				16,400
FL/GL - ON PAD LABOR					0336.0107	84,000				84,000
FL/GL - SUPERVISION					0336.0109	11,867				11,867
SURVEY					0336.0112	1,467				1,467
CONTINGENCY - PIPELINE					0336.0191	2,000				2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>		<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000		104,000
CONDUCTOR PIPE	0331.0206	6,000								6,000
SURFACE CASING	0331.0207	277,000								277,000
INTERMEDIATE CASING I	0331.0208	781,800								781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0						245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0		59,000
WATER STRING CASING	0331.0221	70,000								70,000
TUBING			0333.0201	276,000			0334.0201	0		276,000
SURFACE EQUIPMENT							0334.0203	15,000		15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000		5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0		90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0		33,733
METERING EQUIPMENT					0336.0321	16,800				16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933				30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000				10,000
FL/GL - MATERIALS					0336.0331	19,467				19,467
SHORT ORDERS					0336.0332	9,333				9,333
WALKOVERS					0336.0334	2,667				2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400				128,400
SECONDARY CONTAINMENTS					0336.0336	5,333				5,333
FACILITY LINE PIPE					0336.0339	11,600				11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>		<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 103H

AFE # 026722055

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 103H

AFE # 026722055

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>			<b>212,193</b>	<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>			<b>30,000</b>	<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>			<b>242,193</b>	<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722069

Company Entity  
 CIMAREX ENERGY CO (999901)

Date Prepared  
 8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 103H		411354287	026722069

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New <input type="checkbox"/> Supplement <input type="checkbox"/> Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	1ST BONE SPRING		19,515	9,515

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 103H

AFE # 026722069

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 103H

AFE # 026722069

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		2,975,000			3,946,000	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		1,494,800			314,000	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 103H

AFE # 026722069

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>			<b>212,193</b>	<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>			<b>30,000</b>	<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>			<b>242,193</b>	<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722078

Company Entity  
 CIMAREX ENERGY CO (999901)

Date Prepared  
 8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 304H		411354278	026722078

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New <input type="checkbox"/> Supplement <input type="checkbox"/> Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	3rd Bone Spring		20,870	10,870

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,866,618
<b>Total Intangible Cost</b>	<b>\$7,841,618</b>

Tangible	Cost
Tangible	\$2,780,375
<b>Total Tangible Cost</b>	<b>\$2,780,375</b>

**Total Well Cost \$10,621,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 304H

AFE # 026722078

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	2,056			22,056
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	34,883			134,883
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	18,928	0334.0040	5,000	157,928
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	2,001	0334.0096	60,000	290,001
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	22,714	0334.0116	0	202,714
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	27,312			42,312
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	107,462	0334.0190	0	438,462
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	150,727			150,727
AUTOMATION LABOR					0336.0043	44,672	0334.0043	0	44,672
IPC & EXTERNAL PAINTING					0336.0106	12,277			12,277
FL/GL - ON PAD LABOR					0336.0107	101,729			101,729
FL/GL - LABOR					0336.0108	56,083			56,083
FL/GL - SUPERVISION					0336.0109	10,816			10,816
SURVEY					0336.0112	5,246			5,246
AID IN CONSTRUCT/3RD PARTY CONNECT					0336.0144	75,716			75,716
CONTINGENCY - PIPELINE					0336.0191	35,803			35,803
<b>Total Intangible Cost</b>		2,975,000		3,946,000		708,425		212,193	7,841,618
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	157,110	0334.0303	0	157,110
GATHERING/FLOWLINES					0336.0315	160,409	0334.0315	0	160,409
TANKS, STEPS, STAIRS					0336.0317	74,039			74,039
METERING EQUIPMENT					0336.0321	24,445			24,445
LEASE AUTOMATION MATERIALS					0336.0322	45,970			45,970
FACILITY ELECTRICAL					0336.0324	66,034			66,034
PRODUCTION EQUIPMENT FREIGHT					0336.0327	23,256			23,256
FL/GL - MATERIALS					0336.0331	19,956			19,956
SHORT ORDERS					0336.0332	4,326			4,326
PUMPS					0336.0333	33,585			33,585
WALKOVERS					0336.0334	6,490			6,490
BATTERY (HTR, TRTR, SEPAR, GAS T)					0336.0335	240,288			240,288
SECONDARY CONTAINMENTS					0336.0336	9,843			9,843
OVERHEAD POWER DISTR (TO FACILITY)					0336.0337	45,430			45,430
TELECOMMUNICATION EQUIPMENT					0336.0338	324			324
FACILITY LINE PIPE					0336.0339	30,070			30,070
<b>Total Tangible Cost</b>		1,494,800		314,000		941,575		30,000	2,780,375
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>1,650,000</b>		<b>242,193</b>	<b>10,621,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 304H

AFE # 026722078

Description	Drilling			Comp/Stim		
	Codes	Amount		Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0		0333.0024	10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000		0333.0040	44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000		0333.0055	0	
TUBULAR INSPECTIONS	0331.0056	60,000		0333.0056	4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000		0333.0059	0	
RIG FUEL	0331.0071	87,000		0333.0071	0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000		0333.0073	20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000		0333.0095	45,000	
SURFACE RENTALS	0331.0096	98,000		0333.0096	130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000		0333.0116	109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000		0333.0130	136,000	
OVERHEAD	0331.0142	15,000		0333.0142	0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000		0333.0165	52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000		0333.0190	188,000	
STIMULATION FLUID				0333.0083	155,000	
FRAC TREE RENTAL				0333.0098	60,000	
FLOWBACK SERVICES				0333.0102	0	
BRIDGE PLUGS/FRAC PLUGS				0333.0110	40,000	
STIMULATION/FRACTURING				0333.0135	2,481,000	
PERFORATING & WIRELINE SERVICES				0333.0136	283,000	
COMPLETION RIG/WORKOVER RIG				0333.0150	21,000	
COIL TUBING SERVICES				0333.0151	168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - LABOR						
FL/GL - SUPERVISION						
SURVEY						
AID IN CONSTRUCT/3RD PARTY CONNECT						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000		0333.0202	38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000		0333.0211	0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000		0333.0215	0	
WATER STRING CASING	0331.0221	70,000				
TUBING				0333.0201	276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
TANKS, STEPS, STAIRS						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
FACILITY ELECTRICAL						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
PUMPS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
OVERHEAD POWER DISTR (TO FACILITY)						
TELECOMMUNICATION EQUIPMENT						
FACILITY LINE PIPE						
<b>Total Tangible Cost</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 304H

AFE # 026722078

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	2,056				22,056	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	34,883				134,883	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	18,928	0334.0040	5,000		157,928	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	2,001	0334.0096	60,000		290,001	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	22,714	0334.0116	0		202,714	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	27,312				42,312	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	107,462	0334.0190	0		438,462	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	150,727				150,727	
AUTOMATION LABOR	0336.0043	44,672	0334.0043	0		44,672	
IPC & EXTERNAL PAINTING	0336.0106	12,277				12,277	
FL/GL - ON PAD LABOR	0336.0107	101,729				101,729	
FL/GL - LABOR	0336.0108	56,083				56,083	
FL/GL - SUPERVISION	0336.0109	10,816				10,816	
SURVEY	0336.0112	5,246				5,246	
AID IN CONSTRUCT/3RD PARTY CONNECT	0336.0144	75,716				75,716	
CONTINGENCY - PIPELINE	0336.0191	35,803				35,803	
<b>Total Intangible Cost:</b>		<b>708,425</b>			<b>212,193</b>	<b>7,841,618</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	157,110	0334.0303	0		157,110	
GATHERING/FLOWLINES	0336.0315	160,409	0334.0315	0		160,409	
TANKS, STEPS, STAIRS	0336.0317	74,039				74,039	
METERING EQUIPMENT	0336.0321	24,445				24,445	
LEASE AUTOMATION MATERIALS	0336.0322	45,970				45,970	
FACILITY ELECTRICAL	0336.0324	66,034				66,034	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	23,256				23,256	
FL/GL - MATERIALS	0336.0331	19,956				19,956	
SHORT ORDERS	0336.0332	4,326				4,326	
PUMPS	0336.0333	33,585				33,585	
WALKOVERS	0336.0334	6,490				6,490	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	240,288				240,288	
SECONDARY CONTAINMENTS	0336.0336	9,843				9,843	
OVERHEAD POWER DISTR (TO FACILITY)	0336.0337	45,430				45,430	
TELECOMMUNICATION EQUIPMENT	0336.0338	324				324	
FACILITY LINE PIPE	0336.0339	30,070				30,070	
<b>Total Tangible Cost:</b>		<b>941,575</b>		<b>30,000</b>		<b>2,780,375</b>	
<b>Total Estimated Cost</b>		<b>1,650,000</b>		<b>242,193</b>		<b>10,621,993</b>	



Authorization For Expenditure Drilling

AFE # PAF0000107

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 213H		411504576	PAF0000107

County, State	Location	Estimated Spud	Estimated Completion
LEA, NM	Sections 4 and 9 20S-34E	5/27/2024	

<input checked="" type="checkbox"/> New Supplement Revision	Formation Bone Spring	Well Type	Ttl Measured Depth 19,600	Ttl Vertical Depth 10,000
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Purpose Loosey Goosey 4-9 Fed Com 213H

Description

<b>Intangible</b>	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

<b>Tangible</b>	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 213H

AFE # PAF0000107

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 213H

AFE # PAF0000107

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 213H

AFE # PAF0000107

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # PAF0000105

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 211H		411504572	PAF0000105

County, State	Location	Estimated Spud	Estimated Completion
LEA, NM	Sections 4 and 9 20S-34E	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	BONE SPRING		19,600	10,000
<input type="checkbox"/> Revision				

Purpose Loosey Goosey 4-9 Fed Com 211H

Description

<b>Intangible</b>	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

<b>Tangible</b>	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 211H

AFE # PAF0000105

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 211H

AFE # PAF0000105

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 211H

AFE # PAF0000105

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMOLIBIZE						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>			<b>212,193</b>	<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>			<b>30,000</b>	<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>			<b>242,193</b>	<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722068

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 102H		411354288	026722068

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	1ST BONE SPRING		19,515	9,515
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 102H

AFE # 026722068

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 102H

AFE # 026722068

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 102H

AFE # 026722068

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMOLIBIZE						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # PAF0000104

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 213H		411504570	PAF0000104

County, State	Location	Estimated Spud	Estimated Completion
LEA, NM	Sections 5 and 8 20S-34E	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	Bone Spring		19,600	10,000
<input type="checkbox"/> Revision				

Purpose: Mighty Pheasant 5-8 Fed Com 213H

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

1. All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 213H

AFE # PAF0000104

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMobilize	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 213H

AFE # PAF0000104

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 213H

AFE # PAF0000104

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722073

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 203H		411354283	026722073

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	2nd Bone Spring		20,320	10,320
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 203H

AFE # 026722073

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 203H

AFE # 026722073

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 203H

AFE # 026722073

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722077

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 303H		411354279	026722077

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	11/9/2022	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	3rd Bone Spring		20,870	10,870
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,866,618
<b>Total Intangible Cost</b>	<b>\$7,841,618</b>

Tangible	Cost
Tangible	\$2,780,375
<b>Total Tangible Cost</b>	<b>\$2,780,375</b>

**Total Well Cost \$10,621,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 303H

AFE # 026722077

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	2,056			22,056
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	34,883			134,883
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMobilize	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	18,928	0334.0040	5,000	157,928
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	2,001	0334.0096	60,000	290,001
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	22,714	0334.0116	0	202,714
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	27,312			42,312
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	107,462	0334.0190	0	438,462
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	150,727			150,727
AUTOMATION LABOR					0336.0043	44,672	0334.0043	0	44,672
IPC & EXTERNAL PAINTING					0336.0106	12,277			12,277
FL/GL - ON PAD LABOR					0336.0107	101,729			101,729
FL/GL - LABOR					0336.0108	56,083			56,083
FL/GL - SUPERVISION					0336.0109	10,816			10,816
SURVEY					0336.0112	5,246			5,246
AID IN CONSTRUCT/3RD PARTY CONNECT					0336.0144	75,716			75,716
CONTINGENCY - PIPELINE					0336.0191	35,803			35,803
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>708,425</b>		<b>212,193</b>	<b>7,841,618</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	157,110	0334.0303	0	157,110
GATHERING/FLOWLINES					0336.0315	160,409	0334.0315	0	160,409
TANKS, STEPS, STAIRS					0336.0317	74,039			74,039
METERING EQUIPMENT					0336.0321	24,445			24,445
LEASE AUTOMATION MATERIALS					0336.0322	45,970			45,970
FACILITY ELECTRICAL					0336.0324	66,034			66,034
PRODUCTION EQUIPMENT FREIGHT					0336.0327	23,256			23,256
FL/GL - MATERIALS					0336.0331	19,956			19,956
SHORT ORDERS					0336.0332	4,326			4,326
PUMPS					0336.0333	33,585			33,585
WALKOVERS					0336.0334	6,490			6,490
BATTERY (HTR, TRTR, SEPAR, GAS T)					0336.0335	240,288			240,288
SECONDARY CONTAINMENTS					0336.0336	9,843			9,843
OVERHEAD POWER DISTR (TO FACILITY)					0336.0337	45,430			45,430
TELECOMMUNICATION EQUIPMENT					0336.0338	324			324
FACILITY LINE PIPE					0336.0339	30,070			30,070
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>941,575</b>		<b>30,000</b>	<b>2,780,375</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>1,650,000</b>		<b>242,193</b>	<b>10,621,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 303H

AFE # 026722077

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - LABOR						
FL/GL - SUPERVISION						
SURVEY						
AID IN CONSTRUCT/3RD PARTY CONNECT						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
TANKS, STEPS, STAIRS						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
FACILITY ELECTRICAL						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
PUMPS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
OVERHEAD POWER DISTR (TO FACILITY)						
TELECOMMUNICATION EQUIPMENT						
FACILITY LINE PIPE						
<b>Total Tangible Cost</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 303H

AFE # 026722077

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	2,056				22,056	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	34,883				134,883	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMOLIBIZE						110,000	
SUPERVISION	0336.0040	18,928	0334.0040	5,000		157,928	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	2,001	0334.0096	60,000		290,001	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	22,714	0334.0116	0		202,714	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	27,312				42,312	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	107,462	0334.0190	0		438,462	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	150,727				150,727	
AUTOMATION LABOR	0336.0043	44,672	0334.0043	0		44,672	
IPC & EXTERNAL PAINTING	0336.0106	12,277				12,277	
FL/GL - ON PAD LABOR	0336.0107	101,729				101,729	
FL/GL - LABOR	0336.0108	56,083				56,083	
FL/GL - SUPERVISION	0336.0109	10,816				10,816	
SURVEY	0336.0112	5,246				5,246	
AID IN CONSTRUCT/3RD PARTY CONNECT	0336.0144	75,716				75,716	
CONTINGENCY - PIPELINE	0336.0191	35,803				35,803	
<b>Total Intangible Cost:</b>		<b>708,425</b>			<b>212,193</b>	<b>7,841,618</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	157,110	0334.0303	0		157,110	
GATHERING/FLOWLINES	0336.0315	160,409	0334.0315	0		160,409	
TANKS, STEPS, STAIRS	0336.0317	74,039				74,039	
METERING EQUIPMENT	0336.0321	24,445				24,445	
LEASE AUTOMATION MATERIALS	0336.0322	45,970				45,970	
FACILITY ELECTRICAL	0336.0324	66,034				66,034	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	23,256				23,256	
FL/GL - MATERIALS	0336.0331	19,956				19,956	
SHORT ORDERS	0336.0332	4,326				4,326	
PUMPS	0336.0333	33,585				33,585	
WALKOVERS	0336.0334	6,490				6,490	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	240,288				240,288	
SECONDARY CONTAINMENTS	0336.0336	9,843				9,843	
OVERHEAD POWER DISTR (TO FACILITY)	0336.0337	45,430				45,430	
TELECOMMUNICATION EQUIPMENT	0336.0338	324				324	
FACILITY LINE PIPE	0336.0339	30,070				30,070	
<b>Total Tangible Cost:</b>		<b>941,575</b>		<b>30,000</b>		<b>2,780,375</b>	
<b>Total Estimated Cost</b>		<b>1,650,000</b>		<b>242,193</b>		<b>10,621,993</b>	



Authorization For Expenditure Drilling

AFE # 026722071

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 201H		411354285	026722071

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	2nd Bone Spring		20,320	10,320
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 201H

AFE # 026722071

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 201H

AFE # 026722071

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 201H

AFE # 026722071

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722062

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 102H		411354300	026722062

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	1ST BONE SPRING		19,520	9,520
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

<b>Intangible</b>	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

<b>Tangible</b>	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 102H

AFE # 026722062

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total	Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount		
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0				10,000
DAMAGES	0331.0005	20,000			0336.0005	0				20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000		13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334				105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000								20,000
RIG MOBILIZE/DEMobilIZE	0331.0035	110,000								110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000		153,400
DRILLING RIG	0331.0050	758,000								758,000
CASING CREW	0331.0055	43,000	0333.0055	0						43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0		64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000		30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0		87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0		45,000
DRILL BITS	0331.0080	62,000								62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000								285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000								319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0		186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000		291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000								35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0		194,400
PRIMARY CEMENTING	0331.0120	243,000								243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0		226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533				31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000						177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0		362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0		155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0		60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000		30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0		40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0		2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0		283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0		21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0		168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193		109,193
MECHANICAL LABOR					0336.0042	88,400				88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0		31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400				16,400
FL/GL - ON PAD LABOR					0336.0107	84,000				84,000
FL/GL - SUPERVISION					0336.0109	11,867				11,867
SURVEY					0336.0112	1,467				1,467
CONTINGENCY - PIPELINE					0336.0191	2,000				2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>		<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000		104,000
CONDUCTOR PIPE	0331.0206	6,000								6,000
SURFACE CASING	0331.0207	277,000								277,000
INTERMEDIATE CASING I	0331.0208	781,800								781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0						245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0		59,000
WATER STRING CASING	0331.0221	70,000								70,000
TUBING			0333.0201	276,000			0334.0201	0		276,000
SURFACE EQUIPMENT							0334.0203	15,000		15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000		5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0		90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0		33,733
METERING EQUIPMENT					0336.0321	16,800				16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933				30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000				10,000
FL/GL - MATERIALS					0336.0331	19,467				19,467
SHORT ORDERS					0336.0332	9,333				9,333
WALKOVERS					0336.0334	2,667				2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400				128,400
SECONDARY CONTAINMENTS					0336.0336	5,333				5,333
FACILITY LINE PIPE					0336.0339	11,600				11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>		<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 102H

AFE # 026722062

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 102H

AFE # 026722062

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722057

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 203H		411354295	026722057

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New Supplement Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	2nd Bone Spring		20,300	10,300

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 203H

AFE # 026722057

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total	Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount		
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0				10,000
DAMAGES	0331.0005	20,000			0336.0005	0				20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000		13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334				105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000								20,000
RIG MOBILIZE/DEMobilize	0331.0035	110,000								110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000		153,400
DRILLING RIG	0331.0050	758,000								758,000
CASING CREW	0331.0055	43,000	0333.0055	0						43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0		64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000		30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0		87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0		45,000
DRILL BITS	0331.0080	62,000								62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000								285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000								319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0		186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000		291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000								35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0		194,400
PRIMARY CEMENTING	0331.0120	243,000								243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0		226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533				31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000						177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0		362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0		155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0		60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000		30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0		40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0		2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0		283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0		21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0		168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193		109,193
MECHANICAL LABOR					0336.0042	88,400				88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0		31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400				16,400
FL/GL - ON PAD LABOR					0336.0107	84,000				84,000
FL/GL - SUPERVISION					0336.0109	11,867				11,867
SURVEY					0336.0112	1,467				1,467
CONTINGENCY - PIPELINE					0336.0191	2,000				2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>		<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000		104,000
CONDUCTOR PIPE	0331.0206	6,000								6,000
SURFACE CASING	0331.0207	277,000								277,000
INTERMEDIATE CASING I	0331.0208	781,800								781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0						245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0		59,000
WATER STRING CASING	0331.0221	70,000								70,000
TUBING			0333.0201	276,000			0334.0201	0		276,000
SURFACE EQUIPMENT							0334.0203	15,000		15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000		5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0		90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0		33,733
METERING EQUIPMENT					0336.0321	16,800				16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933				30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000				10,000
FL/GL - MATERIALS					0336.0331	19,467				19,467
SHORT ORDERS					0336.0332	9,333				9,333
WALKOVERS					0336.0334	2,667				2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400				128,400
SECONDARY CONTAINMENTS					0336.0336	5,333				5,333
FACILITY LINE PIPE					0336.0339	11,600				11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>		<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 203H

AFE # 026722057

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 203H

AFE # 026722057

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>			<b>212,193</b>	<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>			<b>30,000</b>	<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>			<b>242,193</b>	<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722074

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 204H		411354282	026722074

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	2nd Bone Spring		20,320	10,320
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 204H

AFE # 026722074

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total	Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount		
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0				10,000
DAMAGES	0331.0005	20,000			0336.0005	0				20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000		13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334				105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000								20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000								110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000		153,400
DRILLING RIG	0331.0050	758,000								758,000
CASING CREW	0331.0055	43,000	0333.0055	0						43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0		64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000		30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0		87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0		45,000
DRILL BITS	0331.0080	62,000								62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000								285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000								319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0		186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000		291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000								35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0		194,400
PRIMARY CEMENTING	0331.0120	243,000								243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0		226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533				31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000						177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0		362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0		155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0		60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000		30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0		40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0		2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0		283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0		21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0		168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193		109,193
MECHANICAL LABOR					0336.0042	88,400				88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0		31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400				16,400
FL/GL - ON PAD LABOR					0336.0107	84,000				84,000
FL/GL - SUPERVISION					0336.0109	11,867				11,867
SURVEY					0336.0112	1,467				1,467
CONTINGENCY - PIPELINE					0336.0191	2,000				2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>		<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000		104,000
CONDUCTOR PIPE	0331.0206	6,000								6,000
SURFACE CASING	0331.0207	277,000								277,000
INTERMEDIATE CASING I	0331.0208	781,800								781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0						245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0		59,000
WATER STRING CASING	0331.0221	70,000								70,000
TUBING			0333.0201	276,000			0334.0201	0		276,000
SURFACE EQUIPMENT							0334.0203	15,000		15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000		5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0		90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0		33,733
METERING EQUIPMENT					0336.0321	16,800				16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933				30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000				10,000
FL/GL - MATERIALS					0336.0331	19,467				19,467
SHORT ORDERS					0336.0332	9,333				9,333
WALKOVERS					0336.0334	2,667				2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400				128,400
SECONDARY CONTAINMENTS					0336.0336	5,333				5,333
FACILITY LINE PIPE					0336.0339	11,600				11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>		<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 204H

AFE # 026722074

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 204H

AFE # 026722074

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722061

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 101H		411354301	026722061

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New <input type="checkbox"/> Supplement <input type="checkbox"/> Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	1ST BONE SPRING		19,520	9,520

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 101H

AFE # 026722061

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMobilIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 101H

AFE # 026722061

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 101H

AFE # 026722061

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # PAF0000106

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 212H		411504574	PAF0000106

County, State	Location	Estimated Spud	Estimated Completion
LEA, NM	Sections 4 and 9 20S-34E	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	BONE SPRING		19,600	10,000
<input type="checkbox"/> Revision				

Purpose Loosey Goosey 4-9 Fed Com 212H

Description

<b>Intangible</b>	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

<b>Tangible</b>	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement. 8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 212H

AFE # PAF0000106

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 212H

AFE # PAF0000106

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 212H

AFE # PAF0000106

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>			<b>212,193</b>	<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>			<b>30,000</b>	<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>			<b>242,193</b>	<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722056

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 104H		411354298	026722056

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	1ST BONE SPRING		19,520	9,520
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

<b>Intangible</b>	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

<b>Tangible</b>	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 104H

AFE # 026722056

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 104H

AFE # 026722056

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 104H

AFE # 026722056

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>		<b>212,193</b>		<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>		<b>30,000</b>		<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722072

Company Entity  
 CIMAREX ENERGY CO (999901)

Date Prepared  
 8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 202H		411354284	026722072

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	2nd Bone Spring		20,320	10,320
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 202H

AFE # 026722072

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total	Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount		
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0				10,000
DAMAGES	0331.0005	20,000			0336.0005	0				20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000		13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334				105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000								20,000
RIG MOBILIZE/DEMOLIBIZE	0331.0035	110,000								110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000		153,400
DRILLING RIG	0331.0050	758,000								758,000
CASING CREW	0331.0055	43,000	0333.0055	0						43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0		64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000		30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0		87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0		45,000
DRILL BITS	0331.0080	62,000								62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000								285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000								319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0		186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000		291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000								35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0		194,400
PRIMARY CEMENTING	0331.0120	243,000								243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0		226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533				31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000						177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0		362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0		155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0		60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000		30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0		40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0		2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0		283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0		21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0		168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193		109,193
MECHANICAL LABOR					0336.0042	88,400				88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0		31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400				16,400
FL/GL - ON PAD LABOR					0336.0107	84,000				84,000
FL/GL - SUPERVISION					0336.0109	11,867				11,867
SURVEY					0336.0112	1,467				1,467
CONTINGENCY - PIPELINE					0336.0191	2,000				2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>		<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000		104,000
CONDUCTOR PIPE	0331.0206	6,000								6,000
SURFACE CASING	0331.0207	277,000								277,000
INTERMEDIATE CASING I	0331.0208	781,800								781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0						245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0		59,000
WATER STRING CASING	0331.0221	70,000								70,000
TUBING			0333.0201	276,000			0334.0201	0		276,000
SURFACE EQUIPMENT							0334.0203	15,000		15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000		5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0		90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0		33,733
METERING EQUIPMENT					0336.0321	16,800				16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933				30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000				10,000
FL/GL - MATERIALS					0336.0331	19,467				19,467
SHORT ORDERS					0336.0332	9,333				9,333
WALKOVERS					0336.0334	2,667				2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400				128,400
SECONDARY CONTAINMENTS					0336.0336	5,333				5,333
FACILITY LINE PIPE					0336.0339	11,600				11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>		<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 202H

AFE # 026722072

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilIZE	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		2,975,000			3,946,000	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		1,494,800			314,000	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 202H

AFE # 026722072

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>			<b>212,193</b>	<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>			<b>30,000</b>	<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>			<b>242,193</b>	<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722058

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 204H		411354294	026722058

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New Supplement Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	2nd Bone Spring		20,300	10,300

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 204H

AFE # 026722058

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 204H

AFE # 026722058

Description	Drilling		Comp/Stim	
	Codes	Amount	Codes	Amount
LAND/LEGAL/CURATIVE	0331.0002	10,000		
DAMAGES	0331.0005	20,000		
PAD CLEANUP	0331.0024	0	0333.0024	10,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000		
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000		
RIG MOBILIZE/DEMobilize	0331.0035	110,000		
SUPERVISION	0331.0040	90,000	0333.0040	44,000
DRILLING RIG	0331.0050	758,000		
CASING CREW	0331.0055	43,000	0333.0055	0
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0
RIG FUEL	0331.0071	87,000	0333.0071	0
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073	20,000
DRILL BITS	0331.0080	62,000		
DRILLING MUD & ADDITIVES	0331.0082	285,000		
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000		
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000		
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000
PRIMARY CEMENTING	0331.0120	243,000		
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000
OVERHEAD	0331.0142	15,000	0333.0142	0
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190	188,000
STIMULATION FLUID			0333.0083	155,000
FRAC TREE RENTAL			0333.0098	60,000
FLOWBACK SERVICES			0333.0102	0
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000
COIL TUBING SERVICES			0333.0151	168,000
SWD - PIPED TO 3RD PARTY SWD WELL				
MECHANICAL LABOR				
AUTOMATION LABOR				
IPC & EXTERNAL PAINTING				
FL/GL - ON PAD LABOR				
FL/GL - SUPERVISION				
SURVEY				
CONTINGENCY - PIPELINE				
<b>Total Intangible Cost:</b>		<b>2,975,000</b>		<b>3,946,000</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000
CONDUCTOR PIPE	0331.0206	6,000		
SURFACE CASING	0331.0207	277,000		
INTERMEDIATE CASING I	0331.0208	781,800		
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0
WATER STRING CASING	0331.0221	70,000		
TUBING			0333.0201	276,000
SURFACE EQUIPMENT				
WELL AUTOMATION MATERIALS				
N/C LEASE EQUIPMENT				
GATHERING/FLOWLINES				
METERING EQUIPMENT				
LEASE AUTOMATION MATERIALS				
PRODUCTION EQUIPMENT FREIGHT				
FL/GL - MATERIALS				
SHORT ORDERS				
WALKOVERS				
BATTERY (HTR TRTR,SEPAR,GAS T)				
SECONDARY CONTAINMENTS				
FACILITY LINE PIPE				
<b>Total Tangible Cost:</b>		<b>1,494,800</b>		<b>314,000</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 204H

AFE # 026722058

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722067

Company Entity  
 CIMAREX ENERGY CO (999901)

Date Prepared  
 8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 101H		411354289	026722067

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New <input type="checkbox"/> Supplement <input type="checkbox"/> Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	1ST BONE SPRING		19,515	9,515

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement. 8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 101H

AFE # 026722067

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 101H

AFE # 026722067

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 101H

AFE # 026722067

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMOLIBIZE						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722065

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 301H		411354293	026722065

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New Supplement Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	3rd Bone Spring		20,850	10,850

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,866,618
<b>Total Intangible Cost</b>	<b>\$7,841,618</b>

Tangible	Cost
Tangible	\$2,780,375
<b>Total Tangible Cost</b>	<b>\$2,780,375</b>

**Total Well Cost \$10,621,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 301H

AFE # 026722065

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	2,056			22,056
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	34,883			134,883
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	18,928	0334.0040	5,000	157,928
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	2,001	0334.0096	60,000	290,001
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	22,714	0334.0116	0	202,714
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	27,312			42,312
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	107,462	0334.0190	0	438,462
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	150,727			150,727
AUTOMATION LABOR					0336.0043	44,672	0334.0043	0	44,672
IPC & EXTERNAL PAINTING					0336.0106	12,277			12,277
FL/GL - ON PAD LABOR					0336.0107	101,729			101,729
FL/GL - LABOR					0336.0108	56,083			56,083
FL/GL - SUPERVISION					0336.0109	10,816			10,816
SURVEY					0336.0112	5,246			5,246
AID IN CONSTRUCT/3RD PARTY CONNECT					0336.0144	75,716			75,716
CONTINGENCY - PIPELINE					0336.0191	35,803			35,803
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>708,425</b>		<b>212,193</b>	<b>7,841,618</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	157,110	0334.0303	0	157,110
GATHERING/FLOWLINES					0336.0315	160,409	0334.0315	0	160,409
TANKS, STEPS, STAIRS					0336.0317	74,039			74,039
METERING EQUIPMENT					0336.0321	24,445			24,445
LEASE AUTOMATION MATERIALS					0336.0322	45,970			45,970
FACILITY ELECTRICAL					0336.0324	66,034			66,034
PRODUCTION EQUIPMENT FREIGHT					0336.0327	23,256			23,256
FL/GL - MATERIALS					0336.0331	19,956			19,956
SHORT ORDERS					0336.0332	4,326			4,326
PUMPS					0336.0333	33,585			33,585
WALKOVERS					0336.0334	6,490			6,490
BATTERY (HTR, TRTR, SEPAR, GAS T)					0336.0335	240,288			240,288
SECONDARY CONTAINMENTS					0336.0336	9,843			9,843
OVERHEAD POWER DISTR (TO FACILITY)					0336.0337	45,430			45,430
TELECOMMUNICATION EQUIPMENT					0336.0338	324			324
FACILITY LINE PIPE					0336.0339	30,070			30,070
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>941,575</b>		<b>30,000</b>	<b>2,780,375</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>1,650,000</b>		<b>242,193</b>	<b>10,621,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 301H

AFE # 026722065

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - LABOR						
FL/GL - SUPERVISION						
SURVEY						
AID IN CONSTRUCT/3RD PARTY CONNECT						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
TANKS, STEPS, STAIRS						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
FACILITY ELECTRICAL						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
PUMPS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
OVERHEAD POWER DISTR (TO FACILITY)						
TELECOMMUNICATION EQUIPMENT						
FACILITY LINE PIPE						
<b>Total Tangible Cost</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 301H

AFE # 026722065

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	2,056				22,056	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	34,883				134,883	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	18,928	0334.0040	5,000		157,928	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	2,001	0334.0096	60,000		290,001	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	22,714	0334.0116	0		202,714	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	27,312				42,312	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	107,462	0334.0190	0		438,462	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	150,727				150,727	
AUTOMATION LABOR	0336.0043	44,672	0334.0043	0		44,672	
IPC & EXTERNAL PAINTING	0336.0106	12,277				12,277	
FL/GL - ON PAD LABOR	0336.0107	101,729				101,729	
FL/GL - LABOR	0336.0108	56,083				56,083	
FL/GL - SUPERVISION	0336.0109	10,816				10,816	
SURVEY	0336.0112	5,246				5,246	
AID IN CONSTRUCT/3RD PARTY CONNECT	0336.0144	75,716				75,716	
CONTINGENCY - PIPELINE	0336.0191	35,803				35,803	
<b>Total Intangible Cost:</b>		<b>708,425</b>			<b>212,193</b>	<b>7,841,618</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	157,110	0334.0303	0		157,110	
GATHERING/FLOWLINES	0336.0315	160,409	0334.0315	0		160,409	
TANKS, STEPS, STAIRS	0336.0317	74,039				74,039	
METERING EQUIPMENT	0336.0321	24,445				24,445	
LEASE AUTOMATION MATERIALS	0336.0322	45,970				45,970	
FACILITY ELECTRICAL	0336.0324	66,034				66,034	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	23,256				23,256	
FL/GL - MATERIALS	0336.0331	19,956				19,956	
SHORT ORDERS	0336.0332	4,326				4,326	
PUMPS	0336.0333	33,585				33,585	
WALKOVERS	0336.0334	6,490				6,490	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	240,288				240,288	
SECONDARY CONTAINMENTS	0336.0336	9,843				9,843	
OVERHEAD POWER DISTR (TO FACILITY)	0336.0337	45,430				45,430	
TELECOMMUNICATION EQUIPMENT	0336.0338	324				324	
FACILITY LINE PIPE	0336.0339	30,070				30,070	
<b>Total Tangible Cost:</b>		<b>941,575</b>		<b>30,000</b>		<b>2,780,375</b>	
<b>Total Estimated Cost</b>		<b>1,650,000</b>		<b>242,193</b>		<b>10,621,993</b>	



Authorization For Expenditure Drilling

AFE # 026722060

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 304H		411354290	026722060

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New Supplement Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	3rd Bone Spring		20,820	10,820

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,866,618
<b>Total Intangible Cost</b>	<b>\$7,841,618</b>

Tangible	Cost
Tangible	\$2,780,375
<b>Total Tangible Cost</b>	<b>\$2,780,375</b>

**Total Well Cost \$10,621,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement. 8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 304H

AFE # 026722060

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	2,056			22,056
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	34,883			134,883
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMobilize	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	18,928	0334.0040	5,000	157,928
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	2,001	0334.0096	60,000	290,001
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	22,714	0334.0116	0	202,714
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	27,312			42,312
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	107,462	0334.0190	0	438,462
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	150,727			150,727
AUTOMATION LABOR					0336.0043	44,672	0334.0043	0	44,672
IPC & EXTERNAL PAINTING					0336.0106	12,277			12,277
FL/GL - ON PAD LABOR					0336.0107	101,729			101,729
FL/GL - LABOR					0336.0108	56,083			56,083
FL/GL - SUPERVISION					0336.0109	10,816			10,816
SURVEY					0336.0112	5,246			5,246
AID IN CONSTRUCT/3RD PARTY CONNECT					0336.0144	75,716			75,716
CONTINGENCY - PIPELINE					0336.0191	35,803			35,803
<b>Total Intangible Cost</b>		2,975,000		3,946,000		708,425		212,193	7,841,618
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	157,110	0334.0303	0	157,110
GATHERING/FLOWLINES					0336.0315	160,409	0334.0315	0	160,409
TANKS, STEPS, STAIRS					0336.0317	74,039			74,039
METERING EQUIPMENT					0336.0321	24,445			24,445
LEASE AUTOMATION MATERIALS					0336.0322	45,970			45,970
FACILITY ELECTRICAL					0336.0324	66,034			66,034
PRODUCTION EQUIPMENT FREIGHT					0336.0327	23,256			23,256
FL/GL - MATERIALS					0336.0331	19,956			19,956
SHORT ORDERS					0336.0332	4,326			4,326
PUMPS					0336.0333	33,585			33,585
WALKOVERS					0336.0334	6,490			6,490
BATTERY (HTR, TRTR, SEPAR, GAS T)					0336.0335	240,288			240,288
SECONDARY CONTAINMENTS					0336.0336	9,843			9,843
OVERHEAD POWER DISTR (TO FACILITY)					0336.0337	45,430			45,430
TELECOMMUNICATION EQUIPMENT					0336.0338	324			324
FACILITY LINE PIPE					0336.0339	30,070			30,070
<b>Total Tangible Cost</b>		1,494,800		314,000		941,575		30,000	2,780,375
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>1,650,000</b>		<b>242,193</b>	<b>10,621,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 304H

AFE # 026722060

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - LABOR						
FL/GL - SUPERVISION						
SURVEY						
AID IN CONSTRUCT/3RD PARTY CONNECT						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
TANKS, STEPS, STAIRS						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
FACILITY ELECTRICAL						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
PUMPS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
OVERHEAD POWER DISTR (TO FACILITY)						
TELECOMMUNICATION EQUIPMENT						
FACILITY LINE PIPE						
<b>Total Tangible Cost</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 304H

AFE # 026722060

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	2,056				22,056	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	34,883				134,883	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	18,928	0334.0040	5,000		157,928	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	2,001	0334.0096	60,000		290,001	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	22,714	0334.0116	0		202,714	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	27,312				42,312	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	107,462	0334.0190	0		438,462	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	150,727				150,727	
AUTOMATION LABOR	0336.0043	44,672	0334.0043	0		44,672	
IPC & EXTERNAL PAINTING	0336.0106	12,277				12,277	
FL/GL - ON PAD LABOR	0336.0107	101,729				101,729	
FL/GL - LABOR	0336.0108	56,083				56,083	
FL/GL - SUPERVISION	0336.0109	10,816				10,816	
SURVEY	0336.0112	5,246				5,246	
AID IN CONSTRUCT/3RD PARTY CONNECT	0336.0144	75,716				75,716	
CONTINGENCY - PIPELINE	0336.0191	35,803				35,803	
<b>Total Intangible Cost:</b>		<b>708,425</b>			<b>212,193</b>	<b>7,841,618</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	157,110	0334.0303	0		157,110	
GATHERING/FLOWLINES	0336.0315	160,409	0334.0315	0		160,409	
TANKS, STEPS, STAIRS	0336.0317	74,039				74,039	
METERING EQUIPMENT	0336.0321	24,445				24,445	
LEASE AUTOMATION MATERIALS	0336.0322	45,970				45,970	
FACILITY ELECTRICAL	0336.0324	66,034				66,034	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	23,256				23,256	
FL/GL - MATERIALS	0336.0331	19,956				19,956	
SHORT ORDERS	0336.0332	4,326				4,326	
PUMPS	0336.0333	33,585				33,585	
WALKOVERS	0336.0334	6,490				6,490	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	240,288				240,288	
SECONDARY CONTAINMENTS	0336.0336	9,843				9,843	
OVERHEAD POWER DISTR (TO FACILITY)	0336.0337	45,430				45,430	
TELECOMMUNICATION EQUIPMENT	0336.0338	324				324	
FACILITY LINE PIPE	0336.0339	30,070				30,070	
<b>Total Tangible Cost:</b>		<b>941,575</b>		<b>30,000</b>		<b>2,780,375</b>	
<b>Total Estimated Cost</b>		<b>1,650,000</b>		<b>242,193</b>		<b>10,621,993</b>	



Authorization For Expenditure Drilling

AFE # 026722075

Company Entity  
 CIMAREX ENERGY CO (999901)

Date Prepared  
 8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 301H		411354281	026722075

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	3rd Bone Spring		20,870	10,870
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,866,618
<b>Total Intangible Cost</b>	<b>\$7,841,618</b>

Tangible	Cost
Tangible	\$2,780,375
<b>Total Tangible Cost</b>	<b>\$2,780,375</b>

**Total Well Cost \$10,621,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 301H

AFE # 026722075

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	2,056			22,056
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	34,883			134,883
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMobilize	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	18,928	0334.0040	5,000	157,928
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	2,001	0334.0096	60,000	290,001
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	22,714	0334.0116	0	202,714
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	27,312			42,312
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	107,462	0334.0190	0	438,462
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	150,727			150,727
AUTOMATION LABOR					0336.0043	44,672	0334.0043	0	44,672
IPC & EXTERNAL PAINTING					0336.0106	12,277			12,277
FL/GL - ON PAD LABOR					0336.0107	101,729			101,729
FL/GL - LABOR					0336.0108	56,083			56,083
FL/GL - SUPERVISION					0336.0109	10,816			10,816
SURVEY					0336.0112	5,246			5,246
AID IN CONSTRUCT/3RD PARTY CONNECT					0336.0144	75,716			75,716
CONTINGENCY - PIPELINE					0336.0191	35,803			35,803
<b>Total Intangible Cost</b>		2,975,000		3,946,000		708,425		212,193	7,841,618
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	157,110	0334.0303	0	157,110
GATHERING/FLOWLINES					0336.0315	160,409	0334.0315	0	160,409
TANKS, STEPS, STAIRS					0336.0317	74,039			74,039
METERING EQUIPMENT					0336.0321	24,445			24,445
LEASE AUTOMATION MATERIALS					0336.0322	45,970			45,970
FACILITY ELECTRICAL					0336.0324	66,034			66,034
PRODUCTION EQUIPMENT FREIGHT					0336.0327	23,256			23,256
FL/GL - MATERIALS					0336.0331	19,956			19,956
SHORT ORDERS					0336.0332	4,326			4,326
PUMPS					0336.0333	33,585			33,585
WALKOVERS					0336.0334	6,490			6,490
BATTERY (HTR, TRTR, SEPAR, GAS T)					0336.0335	240,288			240,288
SECONDARY CONTAINMENTS					0336.0336	9,843			9,843
OVERHEAD POWER DISTR (TO FACILITY)					0336.0337	45,430			45,430
TELECOMMUNICATION EQUIPMENT					0336.0338	324			324
FACILITY LINE PIPE					0336.0339	30,070			30,070
<b>Total Tangible Cost</b>		1,494,800		314,000		941,575		30,000	2,780,375
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>1,650,000</b>		<b>242,193</b>	<b>10,621,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 301H

AFE # 026722075

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - LABOR						
FL/GL - SUPERVISION						
SURVEY						
AID IN CONSTRUCT/3RD PARTY CONNECT						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
TANKS, STEPS, STAIRS						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
FACILITY ELECTRICAL						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
PUMPS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
OVERHEAD POWER DISTR (TO FACILITY)						
TELECOMMUNICATION EQUIPMENT						
FACILITY LINE PIPE						
<b>Total Tangible Cost</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 301H

AFE # 026722075

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	2,056				22,056	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	34,883				134,883	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMOLIBIZE						110,000	
SUPERVISION	0336.0040	18,928	0334.0040	5,000		157,928	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	2,001	0334.0096	60,000		290,001	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	22,714	0334.0116	0		202,714	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	27,312				42,312	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	107,462	0334.0190	0		438,462	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	150,727				150,727	
AUTOMATION LABOR	0336.0043	44,672	0334.0043	0		44,672	
IPC & EXTERNAL PAINTING	0336.0106	12,277				12,277	
FL/GL - ON PAD LABOR	0336.0107	101,729				101,729	
FL/GL - LABOR	0336.0108	56,083				56,083	
FL/GL - SUPERVISION	0336.0109	10,816				10,816	
SURVEY	0336.0112	5,246				5,246	
AID IN CONSTRUCT/3RD PARTY CONNECT	0336.0144	75,716				75,716	
CONTINGENCY - PIPELINE	0336.0191	35,803				35,803	
<b>Total Intangible Cost:</b>		<b>708,425</b>			<b>212,193</b>	<b>7,841,618</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	157,110	0334.0303	0		157,110	
GATHERING/FLOWLINES	0336.0315	160,409	0334.0315	0		160,409	
TANKS, STEPS, STAIRS	0336.0317	74,039				74,039	
METERING EQUIPMENT	0336.0321	24,445				24,445	
LEASE AUTOMATION MATERIALS	0336.0322	45,970				45,970	
FACILITY ELECTRICAL	0336.0324	66,034				66,034	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	23,256				23,256	
FL/GL - MATERIALS	0336.0331	19,956				19,956	
SHORT ORDERS	0336.0332	4,326				4,326	
PUMPS	0336.0333	33,585				33,585	
WALKOVERS	0336.0334	6,490				6,490	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	240,288				240,288	
SECONDARY CONTAINMENTS	0336.0336	9,843				9,843	
OVERHEAD POWER DISTR (TO FACILITY)	0336.0337	45,430				45,430	
TELECOMMUNICATION EQUIPMENT	0336.0338	324				324	
FACILITY LINE PIPE	0336.0339	30,070				30,070	
<b>Total Tangible Cost:</b>		<b>941,575</b>		<b>30,000</b>		<b>2,780,375</b>	
<b>Total Estimated Cost</b>		<b>1,650,000</b>		<b>242,193</b>		<b>10,621,993</b>	



Authorization For Expenditure Drilling

AFE # 026722076

Company Entity  
 CIMAREX ENERGY CO (999901)

Date Prepared  
 8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 302H		411354280	026722076

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	3rd Bone Spring		20,870	10,870
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,866,618
<b>Total Intangible Cost</b>	<b>\$7,841,618</b>

Tangible	Cost
Tangible	\$2,780,375
<b>Total Tangible Cost</b>	<b>\$2,780,375</b>

**Total Well Cost \$10,621,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 302H

AFE # 026722076

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	2,056			22,056
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	34,883			134,883
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMobilize	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	18,928	0334.0040	5,000	157,928
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	2,001	0334.0096	60,000	290,001
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	22,714	0334.0116	0	202,714
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	27,312			42,312
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	107,462	0334.0190	0	438,462
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	150,727			150,727
AUTOMATION LABOR					0336.0043	44,672	0334.0043	0	44,672
IPC & EXTERNAL PAINTING					0336.0106	12,277			12,277
FL/GL - ON PAD LABOR					0336.0107	101,729			101,729
FL/GL - LABOR					0336.0108	56,083			56,083
FL/GL - SUPERVISION					0336.0109	10,816			10,816
SURVEY					0336.0112	5,246			5,246
AID IN CONSTRUCT/3RD PARTY CONNECT					0336.0144	75,716			75,716
CONTINGENCY - PIPELINE					0336.0191	35,803			35,803
<b>Total Intangible Cost</b>		2,975,000		3,946,000		708,425		212,193	7,841,618
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	157,110	0334.0303	0	157,110
GATHERING/FLOWLINES					0336.0315	160,409	0334.0315	0	160,409
TANKS, STEPS, STAIRS					0336.0317	74,039			74,039
METERING EQUIPMENT					0336.0321	24,445			24,445
LEASE AUTOMATION MATERIALS					0336.0322	45,970			45,970
FACILITY ELECTRICAL					0336.0324	66,034			66,034
PRODUCTION EQUIPMENT FREIGHT					0336.0327	23,256			23,256
FL/GL - MATERIALS					0336.0331	19,956			19,956
SHORT ORDERS					0336.0332	4,326			4,326
PUMPS					0336.0333	33,585			33,585
WALKOVERS					0336.0334	6,490			6,490
BATTERY (HTR, TRTR, SEPAR, GAS T)					0336.0335	240,288			240,288
SECONDARY CONTAINMENTS					0336.0336	9,843			9,843
OVERHEAD POWER DISTR (TO FACILITY)					0336.0337	45,430			45,430
TELECOMMUNICATION EQUIPMENT					0336.0338	324			324
FACILITY LINE PIPE					0336.0339	30,070			30,070
<b>Total Tangible Cost</b>		1,494,800		314,000		941,575		30,000	2,780,375
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>1,650,000</b>		<b>242,193</b>	<b>10,621,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 302H

AFE # 026722076

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - LABOR						
FL/GL - SUPERVISION						
SURVEY						
AID IN CONSTRUCT/3RD PARTY CONNECT						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
TANKS, STEPS, STAIRS						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
FACILITY ELECTRICAL						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
PUMPS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
OVERHEAD POWER DISTR (TO FACILITY)						
TELECOMMUNICATION EQUIPMENT						
FACILITY LINE PIPE						
<b>Total Tangible Cost</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	



**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 302H

AFE # 026722076

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0			10,000		
DAMAGES	0336.0005	2,056			22,056		
PAD CLEANUP			0334.0024	3,000	13,000		
ROAD/PAD CONSTRUCTION	0336.0030	34,883			134,883		
CONDUCTOR, MOUSE HOLE & CELLAR					20,000		
RIG MOBILIZE/DEMOLIBIZE					110,000		
SUPERVISION	0336.0040	18,928	0334.0040	5,000	157,928		
DRILLING RIG					758,000		
CASING CREW					43,000		
TUBULAR INSPECTIONS			0334.0056	0	64,000		
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000	30,000		
RIG FUEL			0334.0071	0	87,000		
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0	45,000		
DRILL BITS					62,000		
DRILLING MUD & ADDITIVES					285,000		
DIRECTIONAL DRILLING SERVICES					319,000		
DOWNHOLE RENTALS			0334.0095	0	186,000		
SURFACE RENTALS	0336.0096	2,001	0334.0096	60,000	290,001		
SOLIDS CONTROL EQUIP/SERVICES					35,000		
OTHER RIG/MISC EXPENSES	0336.0116	22,714	0334.0116	0	202,714		
PRIMARY CEMENTING					243,000		
WELL CONTROL EQUIP/SERVICES			0334.0130	0	226,000		
OVERHEAD	0336.0142	27,312			42,312		
MUD DISPOSAL LABOR/EQUIP					177,000		
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	107,462	0334.0190	0	438,462		
STIMULATION FLUID			0334.0083	0	155,000		
FRAC TREE RENTAL			0334.0098	0	60,000		
FLOWBACK SERVICES			0334.0102	30,000	30,000		
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0	40,000		
STIMULATION/FRACTURING			0334.0135	0	2,481,000		
PERFORATING & WIRELINE SERVICES			0334.0136	0	283,000		
COMPLETION RIG/WORKOVER RIG			0334.0150	0	21,000		
COIL TUBING SERVICES			0334.0151	0	168,000		
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193	109,193		
MECHANICAL LABOR	0336.0042	150,727			150,727		
AUTOMATION LABOR	0336.0043	44,672	0334.0043	0	44,672		
IPC & EXTERNAL PAINTING	0336.0106	12,277			12,277		
FL/GL - ON PAD LABOR	0336.0107	101,729			101,729		
FL/GL - LABOR	0336.0108	56,083			56,083		
FL/GL - SUPERVISION	0336.0109	10,816			10,816		
SURVEY	0336.0112	5,246			5,246		
AID IN CONSTRUCT/3RD PARTY CONNECT	0336.0144	75,716			75,716		
CONTINGENCY - PIPELINE	0336.0191	35,803			35,803		
<b>Total Intangible Cost:</b>		<b>708,425</b>		<b>212,193</b>	<b>7,841,618</b>		
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000	104,000		
CONDUCTOR PIPE					6,000		
SURFACE CASING					277,000		
INTERMEDIATE CASING I					781,800		
PRODUCTION CSG/TIE BACK					245,000		
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0	59,000		
WATER STRING CASING					70,000		
TUBING			0334.0201	0	276,000		
SURFACE EQUIPMENT			0334.0203	15,000	15,000		
WELL AUTOMATION MATERIALS			0334.0329	5,000	5,000		
N/C LEASE EQUIPMENT	0336.0303	157,110	0334.0303	0	157,110		
GATHERING/FLOWLINES	0336.0315	160,409	0334.0315	0	160,409		
TANKS, STEPS, STAIRS	0336.0317	74,039			74,039		
METERING EQUIPMENT	0336.0321	24,445			24,445		
LEASE AUTOMATION MATERIALS	0336.0322	45,970			45,970		
FACILITY ELECTRICAL	0336.0324	66,034			66,034		
PRODUCTION EQUIPMENT FREIGHT	0336.0327	23,256			23,256		
FL/GL - MATERIALS	0336.0331	19,956			19,956		
SHORT ORDERS	0336.0332	4,326			4,326		
PUMPS	0336.0333	33,585			33,585		
WALKOVERS	0336.0334	6,490			6,490		
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	240,288			240,288		
SECONDARY CONTAINMENTS	0336.0336	9,843			9,843		
OVERHEAD POWER DISTR (TO FACILITY)	0336.0337	45,430			45,430		
TELECOMMUNICATION EQUIPMENT	0336.0338	324			324		
FACILITY LINE PIPE	0336.0339	30,070			30,070		
<b>Total Tangible Cost:</b>		<b>941,575</b>		<b>30,000</b>	<b>2,780,375</b>		
<b>Total Estimated Cost</b>		<b>1,650,000</b>		<b>242,193</b>	<b>10,621,993</b>		



Authorization For Expenditure Drilling

AFE # 026722070

Company Entity  
 CIMAREX ENERGY CO (999901)

Date Prepared  
 8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 104H		411354286	026722070

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 5, Township 20 South, Range 34 East, Lea County, NM	5/27/2024	

<input checked="" type="checkbox"/> New <input type="checkbox"/> Supplement <input type="checkbox"/> Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	1ST BONE SPRING		19,515	9,515

Purpose Drill and complete well

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 104H

AFE # 026722070

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total	Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount		
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0				10,000
DAMAGES	0331.0005	20,000			0336.0005	0				20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000		13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334				105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000								20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000								110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000		153,400
DRILLING RIG	0331.0050	758,000								758,000
CASING CREW	0331.0055	43,000	0333.0055	0						43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0		64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000		30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0		87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0		45,000
DRILL BITS	0331.0080	62,000								62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000								285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000								319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0		186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000		291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000								35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0		194,400
PRIMARY CEMENTING	0331.0120	243,000								243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0		226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533				31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000						177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0		362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0		155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0		60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000		30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0		40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0		2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0		283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0		21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0		168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193		109,193
MECHANICAL LABOR					0336.0042	88,400				88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0		31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400				16,400
FL/GL - ON PAD LABOR					0336.0107	84,000				84,000
FL/GL - SUPERVISION					0336.0109	11,867				11,867
SURVEY					0336.0112	1,467				1,467
CONTINGENCY - PIPELINE					0336.0191	2,000				2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>		<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000		104,000
CONDUCTOR PIPE	0331.0206	6,000								6,000
SURFACE CASING	0331.0207	277,000								277,000
INTERMEDIATE CASING I	0331.0208	781,800								781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0						245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0		59,000
WATER STRING CASING	0331.0221	70,000								70,000
TUBING			0333.0201	276,000			0334.0201	0		276,000
SURFACE EQUIPMENT							0334.0203	15,000		15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000		5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0		90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0		33,733
METERING EQUIPMENT					0336.0321	16,800				16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933				30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000				10,000
FL/GL - MATERIALS					0336.0331	19,467				19,467
SHORT ORDERS					0336.0332	9,333				9,333
WALKOVERS					0336.0334	2,667				2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400				128,400
SECONDARY CONTAINMENTS					0336.0336	5,333				5,333
FACILITY LINE PIPE					0336.0339	11,600				11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>		<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 104H

AFE # 026722070

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 104H

AFE # 026722070

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		<b>321,734</b>			<b>212,193</b>	<b>7,454,927</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		<b>358,266</b>			<b>30,000</b>	<b>2,197,066</b>	
<b>Total Estimated Cost</b>		<b>680,000</b>			<b>242,193</b>	<b>9,651,993</b>	



Authorization For Expenditure Drilling

AFE # 026722059

Company Entity  
CIMAREX ENERGY CO (999901)

Date Prepared  
8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	LOOSEY GOOSEY 4-9 FED COM 303H		411354291	026722059

County, State	Location	Estimated Spud	Estimated Completion
Lea, NM	Section 33, Township 19 South, Range 34 East	5/27/2024	

<input checked="" type="checkbox"/> New Supplement Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	3rd Bone Spring		20,850	10,850

Purpose Drill and complete well

Description

<b>Intangible</b>	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,866,618
<b>Total Intangible Cost</b>	<b>\$7,841,618</b>

<b>Tangible</b>	Cost
Tangible	\$2,780,375
<b>Total Tangible Cost</b>	<b>\$2,780,375</b>

**Total Well Cost \$10,621,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 303H

AFE # 026722059

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	2,056			22,056
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	34,883			134,883
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMobilize	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	18,928	0334.0040	5,000	157,928
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	2,001	0334.0096	60,000	290,001
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	22,714	0334.0116	0	202,714
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	27,312			42,312
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	107,462	0334.0190	0	438,462
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	150,727			150,727
AUTOMATION LABOR					0336.0043	44,672	0334.0043	0	44,672
IPC & EXTERNAL PAINTING					0336.0106	12,277			12,277
FL/GL - ON PAD LABOR					0336.0107	101,729			101,729
FL/GL - LABOR					0336.0108	56,083			56,083
FL/GL - SUPERVISION					0336.0109	10,816			10,816
SURVEY					0336.0112	5,246			5,246
AID IN CONSTRUCT/3RD PARTY CONNECT					0336.0144	75,716			75,716
CONTINGENCY - PIPELINE					0336.0191	35,803			35,803
<b>Total Intangible Cost</b>		2,975,000		3,946,000		708,425		212,193	7,841,618
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	157,110	0334.0303	0	157,110
GATHERING/FLOWLINES					0336.0315	160,409	0334.0315	0	160,409
TANKS, STEPS, STAIRS					0336.0317	74,039			74,039
METERING EQUIPMENT					0336.0321	24,445			24,445
LEASE AUTOMATION MATERIALS					0336.0322	45,970			45,970
FACILITY ELECTRICAL					0336.0324	66,034			66,034
PRODUCTION EQUIPMENT FREIGHT					0336.0327	23,256			23,256
FL/GL - MATERIALS					0336.0331	19,956			19,956
SHORT ORDERS					0336.0332	4,326			4,326
PUMPS					0336.0333	33,585			33,585
WALKOVERS					0336.0334	6,490			6,490
BATTERY (HTR, TRTR, SEPAR, GAS T)					0336.0335	240,288			240,288
SECONDARY CONTAINMENTS					0336.0336	9,843			9,843
OVERHEAD POWER DISTR (TO FACILITY)					0336.0337	45,430			45,430
TELECOMMUNICATION EQUIPMENT					0336.0338	324			324
FACILITY LINE PIPE					0336.0339	30,070			30,070
<b>Total Tangible Cost</b>		1,494,800		314,000		941,575		30,000	2,780,375
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>1,650,000</b>		<b>242,193</b>	<b>10,621,993</b>

**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 303H

AFE # 026722059

Description	Drilling		Comp/Stim	
	Codes	Amount	Codes	Amount
LAND/LEGAL/CURATIVE	0331.0002	10,000		
DAMAGES	0331.0005	20,000		
PAD CLEANUP	0331.0024	0	0333.0024	10,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000		
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000		
RIG MOBILIZE/DEMobilize	0331.0035	110,000		
SUPERVISION	0331.0040	90,000	0333.0040	44,000
DRILLING RIG	0331.0050	758,000		
CASING CREW	0331.0055	43,000	0333.0055	0
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0
RIG FUEL	0331.0071	87,000	0333.0071	0
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073	20,000
DRILL BITS	0331.0080	62,000		
DRILLING MUD & ADDITIVES	0331.0082	285,000		
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000		
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000		
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000
PRIMARY CEMENTING	0331.0120	243,000		
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000
OVERHEAD	0331.0142	15,000	0333.0142	0
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190	188,000
STIMULATION FLUID			0333.0083	155,000
FRAC TREE RENTAL			0333.0098	60,000
FLOWBACK SERVICES			0333.0102	0
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000
COIL TUBING SERVICES			0333.0151	168,000
SWD - PIPED TO 3RD PARTY SWD WELL				
MECHANICAL LABOR				
AUTOMATION LABOR				
IPC & EXTERNAL PAINTING				
FL/GL - ON PAD LABOR				
FL/GL - LABOR				
FL/GL - SUPERVISION				
SURVEY				
AID IN CONSTRUCT/3RD PARTY CONNECT				
CONTINGENCY - PIPELINE				
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000
CONDUCTOR PIPE	0331.0206	6,000		
SURFACE CASING	0331.0207	277,000		
INTERMEDIATE CASING I	0331.0208	781,800		
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0
WATER STRING CASING	0331.0221	70,000		
TUBING			0333.0201	276,000
SURFACE EQUIPMENT				
WELL AUTOMATION MATERIALS				
N/C LEASE EQUIPMENT				
GATHERING/FLOWLINES				
TANKS, STEPS, STAIRS				
METERING EQUIPMENT				
LEASE AUTOMATION MATERIALS				
FACILITY ELECTRICAL				
PRODUCTION EQUIPMENT FREIGHT				
FL/GL - MATERIALS				
SHORT ORDERS				
PUMPS				
WALKOVERS				
BATTERY (HTR TRTR,SEPAR,GAS T)				
SECONDARY CONTAINMENTS				
OVERHEAD POWER DISTR (TO FACILITY)				
TELECOMMUNICATION EQUIPMENT				
FACILITY LINE PIPE				
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>



**COTERRA** Authorization For Expenditure - LOOSEY GOOSEY 4-9 FED  
COM 303H

AFE # 026722059

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	2,056				22,056	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	34,883				134,883	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	18,928	0334.0040	5,000		157,928	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	2,001	0334.0096	60,000		290,001	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	22,714	0334.0116	0		202,714	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	27,312				42,312	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	107,462	0334.0190	0		438,462	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	150,727				150,727	
AUTOMATION LABOR	0336.0043	44,672	0334.0043	0		44,672	
IPC & EXTERNAL PAINTING	0336.0106	12,277				12,277	
FL/GL - ON PAD LABOR	0336.0107	101,729				101,729	
FL/GL - LABOR	0336.0108	56,083				56,083	
FL/GL - SUPERVISION	0336.0109	10,816				10,816	
SURVEY	0336.0112	5,246				5,246	
AID IN CONSTRUCT/3RD PARTY CONNECT	0336.0144	75,716				75,716	
CONTINGENCY - PIPELINE	0336.0191	35,803				35,803	
<b>Total Intangible Cost:</b>		<b>708,425</b>			<b>212,193</b>	<b>7,841,618</b>	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	157,110	0334.0303	0		157,110	
GATHERING/FLOWLINES	0336.0315	160,409	0334.0315	0		160,409	
TANKS, STEPS, STAIRS	0336.0317	74,039				74,039	
METERING EQUIPMENT	0336.0321	24,445				24,445	
LEASE AUTOMATION MATERIALS	0336.0322	45,970				45,970	
FACILITY ELECTRICAL	0336.0324	66,034				66,034	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	23,256				23,256	
FL/GL - MATERIALS	0336.0331	19,956				19,956	
SHORT ORDERS	0336.0332	4,326				4,326	
PUMPS	0336.0333	33,585				33,585	
WALKOVERS	0336.0334	6,490				6,490	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	240,288				240,288	
SECONDARY CONTAINMENTS	0336.0336	9,843				9,843	
OVERHEAD POWER DISTR (TO FACILITY)	0336.0337	45,430				45,430	
TELECOMMUNICATION EQUIPMENT	0336.0338	324				324	
FACILITY LINE PIPE	0336.0339	30,070				30,070	
<b>Total Tangible Cost:</b>		<b>941,575</b>		<b>30,000</b>		<b>2,780,375</b>	
<b>Total Estimated Cost</b>		<b>1,650,000</b>		<b>242,193</b>		<b>10,621,993</b>	



Authorization For Expenditure Drilling

AFE # PAF0000103

Company Entity  
 CIMAREX ENERGY CO (999901)

Date Prepared  
 8/2/2023

Exploration Region	Well Name	Prospect	Property Number	AFE
PERMIAN BASIN	MIGHTY PHEASANT 5-8 FED COM 212H		411504568	PAF0000103

County, State	Location	Estimated Spud	Estimated Completion
LEA, NM	Sections 5 and 8 20S-34E	5/27/2024	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	Bone Spring		19,600	10,000
<input type="checkbox"/> Revision				

Purpose: Mighty Pheasant 5-8 Fed Com 212H

Description

Intangible	Cost
Drilling Costs	\$2,975,000
Completion Costs	\$4,479,927
<b>Total Intangible Cost</b>	<b>\$7,454,927</b>

Tangible	Cost
Tangible	\$2,197,066
<b>Total Tangible Cost</b>	<b>\$2,197,066</b>

**Total Well Cost \$9,651,993**

Comments On Well Costs

- All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

I elect to purchase my own well control insurance policy.

Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

I elect to take my gas in kind.

I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.

Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

Nonoperator Approval

Company	Approved By (Print Name)	Approved By (Signature)	Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

8/2/2023

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 212H

AFE # PAF0000103

Description	Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000			0336.0002	0			10,000
DAMAGES	0331.0005	20,000			0336.0005	0			20,000
PAD CLEANUP	0331.0024	0	0333.0024	10,000			0334.0024	3,000	13,000
ROAD/PAD CONSTRUCTION	0331.0030	100,000			0336.0030	5,334			105,334
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000							20,000
RIG MOBILIZE/DEMOLIBLIZE	0331.0035	110,000							110,000
SUPERVISION	0331.0040	90,000	0333.0040	44,000	0336.0040	14,400	0334.0040	5,000	153,400
DRILLING RIG	0331.0050	758,000							758,000
CASING CREW	0331.0055	43,000	0333.0055	0					43,000
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056	4,000			0334.0056	0	64,000
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059	0			0334.0059	5,000	30,000
RIG FUEL	0331.0071	87,000	0333.0071	0			0334.0071	0	87,000
WATER & TRANSFER/TRUCKING (NOT DRLG)	0331.0073	25,000	0333.0073	20,000			0334.0073	0	45,000
DRILL BITS	0331.0080	62,000							62,000
DRILLING MUD & ADDITIVES	0331.0082	285,000							285,000
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000							319,000
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095	45,000			0334.0095	0	186,000
SURFACE RENTALS	0331.0096	98,000	0333.0096	130,000	0336.0096	3,333	0334.0096	60,000	291,333
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000							35,000
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116	109,000	0336.0116	14,400	0334.0116	0	194,400
PRIMARY CEMENTING	0331.0120	243,000							243,000
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130	136,000			0334.0130	0	226,000
OVERHEAD	0331.0142	15,000	0333.0142	0	0336.0142	16,533			31,533
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165	52,000					177,000
CONTINGENCY - DRLG, COMP, PCOM, FAC	0331.0190	143,000	0333.0190	188,000	0336.0190	31,867	0334.0190	0	362,867
STIMULATION FLUID			0333.0083	155,000			0334.0083	0	155,000
FRAC TREE RENTAL			0333.0098	60,000			0334.0098	0	60,000
FLOWBACK SERVICES			0333.0102	0			0334.0102	30,000	30,000
BRIDGE PLUGS/FRAC PLUGS			0333.0110	40,000			0334.0110	0	40,000
STIMULATION/FRACTURING			0333.0135	2,481,000			0334.0135	0	2,481,000
PERFORATING & WIRELINE SERVICES			0333.0136	283,000			0334.0136	0	283,000
COMPLETION RIG/WORKOVER RIG			0333.0150	21,000			0334.0150	0	21,000
COIL TUBING SERVICES			0333.0151	168,000			0334.0151	0	168,000
SWD - PIPED TO 3RD PARTY SWD WELL							0334.0172	109,193	109,193
MECHANICAL LABOR					0336.0042	88,400			88,400
AUTOMATION LABOR					0336.0043	31,733	0334.0043	0	31,733
IPC & EXTERNAL PAINTING					0336.0106	16,400			16,400
FL/GL - ON PAD LABOR					0336.0107	84,000			84,000
FL/GL - SUPERVISION					0336.0109	11,867			11,867
SURVEY					0336.0112	1,467			1,467
CONTINGENCY - PIPELINE					0336.0191	2,000			2,000
<b>Total Intangible Cost</b>		<b>2,975,000</b>		<b>3,946,000</b>		<b>321,734</b>		<b>212,193</b>	<b>7,454,927</b>
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202	38,000			0334.0202	10,000	104,000
CONDUCTOR PIPE	0331.0206	6,000							6,000
SURFACE CASING	0331.0207	277,000							277,000
INTERMEDIATE CASING I	0331.0208	781,800							781,800
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211	0					245,000
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215	0			0334.0215	0	59,000
WATER STRING CASING	0331.0221	70,000							70,000
TUBING			0333.0201	276,000			0334.0201	0	276,000
SURFACE EQUIPMENT							0334.0203	15,000	15,000
WELL AUTOMATION MATERIALS							0334.0329	5,000	5,000
N/C LEASE EQUIPMENT					0336.0303	90,000	0334.0303	0	90,000
GATHERING/FLOWLINES					0336.0315	33,733	0334.0315	0	33,733
METERING EQUIPMENT					0336.0321	16,800			16,800
LEASE AUTOMATION MATERIALS					0336.0322	30,933			30,933
PRODUCTION EQUIPMENT FREIGHT					0336.0327	10,000			10,000
FL/GL - MATERIALS					0336.0331	19,467			19,467
SHORT ORDERS					0336.0332	9,333			9,333
WALKOVERS					0336.0334	2,667			2,667
BATTERY (HTR TRTR,SEPAR,GAS T)					0336.0335	128,400			128,400
SECONDARY CONTAINMENTS					0336.0336	5,333			5,333
FACILITY LINE PIPE					0336.0339	11,600			11,600
<b>Total Tangible Cost</b>		<b>1,494,800</b>		<b>314,000</b>		<b>358,266</b>		<b>30,000</b>	<b>2,197,066</b>
<b>Total Estimated Cost</b>		<b>4,469,800</b>		<b>4,260,000</b>		<b>680,000</b>		<b>242,193</b>	<b>9,651,993</b>

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 212H

AFE # PAF0000103

Description	Drilling			Comp/Stim		
	Codes	Amount	Codes	Amount	Amount	
LAND/LEGAL/CURATIVE	0331.0002	10,000				
DAMAGES	0331.0005	20,000				
PAD CLEANUP	0331.0024	0	0333.0024		10,000	
ROAD/PAD CONSTRUCTION	0331.0030	100,000				
CONDUCTOR, MOUSE HOLE & CELLAR	0331.0031	20,000				
RIG MOBILIZE/DEMobilize	0331.0035	110,000				
SUPERVISION	0331.0040	90,000	0333.0040		44,000	
DRILLING RIG	0331.0050	758,000				
CASING CREW	0331.0055	43,000	0333.0055		0	
TUBULAR INSPECTIONS	0331.0056	60,000	0333.0056		4,000	
WELDING/ROUSTABOUTS/LEASE CREWS	0331.0059	25,000	0333.0059		0	
RIG FUEL	0331.0071	87,000	0333.0071		0	
WATER & TRANSFER/TRUCKING (NOT	0331.0073	25,000	0333.0073		20,000	
DRILL BITS	0331.0080	62,000				
DRILLING MUD & ADDITIVES	0331.0082	285,000				
DIRECTIONAL DRILLING SERVICES	0331.0090	319,000				
DOWNHOLE RENTALS	0331.0095	141,000	0333.0095		45,000	
SURFACE RENTALS	0331.0096	98,000	0333.0096		130,000	
SOLIDS CONTROL EQUIP/SERVICES	0331.0097	35,000				
OTHER RIG/MISC EXPENSES	0331.0116	71,000	0333.0116		109,000	
PRIMARY CEMENTING	0331.0120	243,000				
WELL CONTROL EQUIP/SERVICES	0331.0130	90,000	0333.0130		136,000	
OVERHEAD	0331.0142	15,000	0333.0142		0	
MUD DISPOSAL LABOR/EQUIP	0331.0165	125,000	0333.0165		52,000	
CONTINGENCY - DRLG, COMP, PCOM,	0331.0190	143,000	0333.0190		188,000	
STIMULATION FLUID			0333.0083		155,000	
FRAC TREE RENTAL			0333.0098		60,000	
FLOWBACK SERVICES			0333.0102		0	
BRIDGE PLUGS/FRAC PLUGS			0333.0110		40,000	
STIMULATION/FRACTURING			0333.0135		2,481,000	
PERFORATING & WIRELINE SERVICES			0333.0136		283,000	
COMPLETION RIG/WORKOVER RIG			0333.0150		21,000	
COIL TUBING SERVICES			0333.0151		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL						
MECHANICAL LABOR						
AUTOMATION LABOR						
IPC & EXTERNAL PAINTING						
FL/GL - ON PAD LABOR						
FL/GL - SUPERVISION						
SURVEY						
CONTINGENCY - PIPELINE						
<b>Total Intangible Cost:</b>		<b>2,975,000</b>			<b>3,946,000</b>	
WELLHEAD EQUIPMENT SURFACE	0331.0202	56,000	0333.0202		38,000	
CONDUCTOR PIPE	0331.0206	6,000				
SURFACE CASING	0331.0207	277,000				
INTERMEDIATE CASING I	0331.0208	781,800				
PRODUCTION CSG/TIE BACK	0331.0211	245,000	0333.0211		0	
PERMANENT DOWNHOLE EQUIPMENT	0331.0215	59,000	0333.0215		0	
WATER STRING CASING	0331.0221	70,000				
TUBING			0333.0201		276,000	
SURFACE EQUIPMENT						
WELL AUTOMATION MATERIALS						
N/C LEASE EQUIPMENT						
GATHERING/FLOWLINES						
METERING EQUIPMENT						
LEASE AUTOMATION MATERIALS						
PRODUCTION EQUIPMENT FREIGHT						
FL/GL - MATERIALS						
SHORT ORDERS						
WALKOVERS						
BATTERY (HTR TRTR,SEPAR,GAS T)						
SECONDARY CONTAINMENTS						
FACILITY LINE PIPE						
<b>Total Tangible Cost:</b>		<b>1,494,800</b>			<b>314,000</b>	
<b>Total Estimated Cost</b>		<b>4,469,800</b>			<b>4,260,000</b>	

**COTERRA** Authorization For Expenditure - MIGHTY PHEASANT 5-8 FED  
COM 212H

AFE # PAF0000103

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
LAND/LEGAL/CURATIVE	0336.0002	0				10,000	
DAMAGES	0336.0005	0				20,000	
PAD CLEANUP			0334.0024	3,000		13,000	
ROAD/PAD CONSTRUCTION	0336.0030	5,334				105,334	
CONDUCTOR, MOUSE HOLE & CELLAR						20,000	
RIG MOBILIZE/DEMobilize						110,000	
SUPERVISION	0336.0040	14,400	0334.0040	5,000		153,400	
DRILLING RIG						758,000	
CASING CREW						43,000	
TUBULAR INSPECTIONS			0334.0056	0		64,000	
WELDING/ROUSTABOUTS/LEASE CREWS			0334.0059	5,000		30,000	
RIG FUEL			0334.0071	0		87,000	
WATER & TRANSFER/TRUCKING (NOT DRLG)			0334.0073	0		45,000	
DRILL BITS						62,000	
DRILLING MUD & ADDITIVES						285,000	
DIRECTIONAL DRILLING SERVICES						319,000	
DOWNHOLE RENTALS			0334.0095	0		186,000	
SURFACE RENTALS	0336.0096	3,333	0334.0096	60,000		291,333	
SOLIDS CONTROL EQUIP/SERVICES						35,000	
OTHER RIG/MISC EXPENSES	0336.0116	14,400	0334.0116	0		194,400	
PRIMARY CEMENTING						243,000	
WELL CONTROL EQUIP/SERVICES			0334.0130	0		226,000	
OVERHEAD	0336.0142	16,533				31,533	
MUD DISPOSAL LABOR/EQUIP						177,000	
CONTINGENCY - DRLG, COMP, PCOM, FAC	0336.0190	31,867	0334.0190	0		362,867	
STIMULATION FLUID			0334.0083	0		155,000	
FRAC TREE RENTAL			0334.0098	0		60,000	
FLOWBACK SERVICES			0334.0102	30,000		30,000	
BRIDGE PLUGS/FRAC PLUGS			0334.0110	0		40,000	
STIMULATION/FRACTURING			0334.0135	0		2,481,000	
PERFORATING & WIRELINE SERVICES			0334.0136	0		283,000	
COMPLETION RIG/WORKOVER RIG			0334.0150	0		21,000	
COIL TUBING SERVICES			0334.0151	0		168,000	
SWD - PIPED TO 3RD PARTY SWD WELL			0334.0172	109,193		109,193	
MECHANICAL LABOR	0336.0042	88,400				88,400	
AUTOMATION LABOR	0336.0043	31,733	0334.0043	0		31,733	
IPC & EXTERNAL PAINTING	0336.0106	16,400				16,400	
FL/GL - ON PAD LABOR	0336.0107	84,000				84,000	
FL/GL - SUPERVISION	0336.0109	11,867				11,867	
SURVEY	0336.0112	1,467				1,467	
CONTINGENCY - PIPELINE	0336.0191	2,000				2,000	
<b>Total Intangible Cost</b>		321,734		212,193		7,454,927	
WELLHEAD EQUIPMENT SURFACE			0334.0202	10,000		104,000	
CONDUCTOR PIPE						6,000	
SURFACE CASING						277,000	
INTERMEDIATE CASING I						781,800	
PRODUCTION CSG/TIE BACK						245,000	
PERMANENT DOWNHOLE EQUIPMENT			0334.0215	0		59,000	
WATER STRING CASING						70,000	
TUBING			0334.0201	0		276,000	
SURFACE EQUIPMENT			0334.0203	15,000		15,000	
WELL AUTOMATION MATERIALS			0334.0329	5,000		5,000	
N/C LEASE EQUIPMENT	0336.0303	90,000	0334.0303	0		90,000	
GATHERING/FLOWLINES	0336.0315	33,733	0334.0315	0		33,733	
METERING EQUIPMENT	0336.0321	16,800				16,800	
LEASE AUTOMATION MATERIALS	0336.0322	30,933				30,933	
PRODUCTION EQUIPMENT FREIGHT	0336.0327	10,000				10,000	
FL/GL - MATERIALS	0336.0331	19,467				19,467	
SHORT ORDERS	0336.0332	9,333				9,333	
WALKOVERS	0336.0334	2,667				2,667	
BATTERY (HTR TRTR,SEPAR,GAS T)	0336.0335	128,400				128,400	
SECONDARY CONTAINMENTS	0336.0336	5,333				5,333	
FACILITY LINE PIPE	0336.0339	11,600				11,600	
<b>Total Tangible Cost</b>		358,266		30,000		2,197,066	
<b>Total Estimated Cost</b>		<b>680,000</b>		<b>242,193</b>		<b>9,651,993</b>	