

CIMAREX ENERGY CO.'S EXHIBIT LIST

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

Case Nos. 22519 and 22520

**APPLICATIONS OF CHEVRON U.S.A. INC. FOR
COMPULSORY POOLING, EDDY COUNTY, NEW
MEXICO.**

Case Nos. 22343 and 22344

EXHIBITS OF CIMAREX ENERGY CO.

(PART II)

- A-1. Application and Proposed Notice (Case No. 22519)
- A-2. Application and Proposed Notice (Case No. 22520)
- B. Landman's Affidavit
- C. Geologist's Affidavit
- D. Engineers's Affidavit
- E-1. Affidavit of Publication (Case No, 22519)
- E-2. Affidavit of Publication (Case No, 22520)
- F-1: Certified Affidavit (Case No, 22519)
- F-2: Certified Affidavit (Case No, 22520)
- G-1. Pooling Checklist (Case No, 22519)
- G-2. Pooling Checklist (Case No, 22520)



Authorization For Expenditure Drilling

AFE # 26822018

Company Entity

Date Prepared
10/14/2021

Exploration Region	Well Name	Prospect	Property Number	AFE
Permian Basin	WHITE CITY 8-17-20 FED COM 4H	Lea Prospect	300001-203.01	26822018

County, State	Location	Estimated Spud	Estimated Completion
Eddy, NM	E2W2 Sections 8, 17 and 20, Township 25 South, Range 27 East, Eddy County, NM	7/13/2022	

<input checked="" type="checkbox"/> New Supplement Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	Wolfcamp	DEV	25,000	8,920

Purpose Drill and complete well

Description

Drilling 3 mile lateral targeting the WCA

	Dry Hole	After Casing Point	Completed Well Cost
Intangible			
Drilling Costs	\$2,322,000		\$2,322,000
Completion Costs		\$6,515,600	\$6,515,600
Total Intangible Cost	\$2,322,000	\$6,515,600	\$8,837,600
Tangible			
Well Equipment	\$406,000	\$612,000	\$1,018,000
Lease Equipment		\$1,138,125	\$1,138,125
Total Tangible Cost	\$406,000	\$1,750,125	\$2,156,125
Total Well Cost	\$2,728,000	\$8,265,725	\$10,993,725

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.

10/14/2021

EXHIBIT

B
Continued

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
4H

AFE # 26822018

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
Roads & Location	DIDC.100	150,000			STIM.100	10,000	CON.100	50,500	PCOM.100	7,000	217,500
Damages	DIDC.105	30,000					CON.105	3,000			33,000
Mud/Fluids Disposal	DIDC.255	67,000			STIM.255	80,000			PCOM.255	0	147,000
Day Rate	DIDC.115	387,000	DICC.120	90,000							477,000
Misc Preparation	DIDC.120	20,000									20,000
Bits	DIDC.125	90,000	DICC.125	0	STIM.125	0			PCOM.125	0	90,000
Fuel	DIDC.135	46,000	DICC.130	0					PCOM.130	0	46,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	31,000			PCOM.135	0	36,000
Mud & Additives	DIDC.145	200,000									200,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	177,600	177,600
Surface Rentals	DIDC.150	104,000	DICC.140	0	STIM.140	175,000	CON.140	2,875	PCOM.140	60,000	341,875
Downhole Rentals	DIDC.155	79,000			STIM.145	70,000			PCOM.145	0	149,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	59,375	PCOM.150	9,500	68,875
IPC & EXTERNAL PAINTING							CON.165	21,375			21,375
Cementing & Float Equipment	DIDC.185	110,000	DICC.155	85,000							195,000
Tubular Inspections	DIDC.190	63,000	DICC.160	5,000	STIM.160	4,000			PCOM.160	0	72,000
Casing Crews	DIDC.195	10,000	DICC.165	20,000	STIM.165	0					30,000
Mechanical Labor	DIDC.200	28,000	DICC.170	10,000	STIM.170	0	CON.170	270,375	PCOM.170	0	308,375
Trucking/Transportation	DIDC.205	18,000	DICC.175	8,000	STIM.175	4,000	CON.175	29,875	PCOM.175	0	59,875
Supervision	DIDC.210	75,000	DICC.180	14,000	STIM.180	58,000	CON.180	29,625	PCOM.180	0	176,625
Trailer House/Camp/Catering	DIDC.280	43,000	DICC.255	7,000	STIM.280	30,000					80,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	77,000	CON.190	37,750	PCOM.190	0	119,750
Overhead	DIDC.225	10,000	DICC.195	5,000							15,000
MOB/DEMOMB	DIDC.240	100,000									100,000
Directional Drilling Services	DIDC.245	431,000									431,000
Solids Control	DIDC.260	50,000									50,000
Well Control Equip (Snubbing Services)	DIDC.265	86,000	DICC.240	5,000	STIM.240	83,000			PCOM.240	0	174,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	250,000			PCOM.260	0	250,000
Completion Logging/Perforating/Wireline					STIM.200	346,000			PCOM.200	0	346,000
Composite Plugs					STIM.390	63,000			PCOM.390	0	63,000
Stimulation Pumping/Chemicals/Additives/Sand					STIM.210	3,162,000			PCOM.210	10,000	3,172,000
Stimulation Water/Water Transfer/Water Storage					STIM.395	358,000					358,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	72,500	132,500
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	8,000									8,000
FL/GL - ON PAD LABOR							CON.495	19,500			19,500
FL/GL - Labor							CON.500	39,125			39,125
FL/GL - Supervision							CON.505	23,625			23,625
Survey							CON.515	2,750			2,750
Contingency	DIDC.435	97,000	DICC.220	12,000	STIM.220	244,000	CON.220	159,750	PCOM.220	0	512,750
Contingency							CON.221	12,500			12,500
Total Intangible Cost		2,322,000		261,000		5,126,000		762,900		365,600	8,837,600
Conductor Pipe	DWEB.130	7,000									7,000
Water String	DWEB.135	16,000									16,000
Surface Casing	DWEB.140	38,000									38,000
Intermediate Casing 1	DWEB.145	307,000									307,000
Production Casing or Liner			DWEA.100	395,000							395,000
Tubing					STIMT.105	43,000			PCOMT.105	0	43,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
PUMPS							CONT.385	27,625			27,625
WALKOVERS							CONT.390	15,000			15,000
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
N/C Lease Equipment							CONT.400	217,750			217,750
Tanks, Tanks Steps, Stairs							CONT.405	103,000			103,000
Battery Equipment							CONT.410	355,375			355,375
Secondary Containments							CONT.415	51,875			51,875
Overhead Power Distribution							CONT.420	85,625			85,625
Facility Electrical							CONT.425	78,125			78,125
Telecommunication Equipment							CONT.426	1,250			1,250
Meters and Metering Equipment							CONT.445	37,125			37,125
Facility Line Pipe							CONT.450	45,500			45,500
Lease Automation Materials							CONT.455	78,125			78,125
FL/GL - Materials							CONT.550	8,625			8,625
FL/GL - Line Pipe							CONT.555	33,125			33,125
Total Tangible Cost		405,000		413,000		189,000		1,138,125		10,000	2,156,125
Total Estimated Cost		2,728,000		674,000		5,315,000		1,900,125		376,600	10,993,725

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
4H

AFE # 26822018

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		150,000				STIM.100	CON.100	10,000
Damages	DIDC.105		30,000						
Mud/Fluids Disposal	DIDC.255		67,000				STIM.255		80,000
Day Rate	DIDC.115	DICC.120	387,000	DICC.120		90,000			
Misc Preparation	DIDC.120		20,000						
Bits	DIDC.125	DICC.125	90,000	DICC.125	STIM.125	0	STIM.125		0
Fuel	DIDC.135	DICC.130	46,000	DICC.130		0			
Water for Drilling Rig (Not Frac Water)	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		31,000
Mud & Additives	DIDC.145		200,000						
SWD PIPED TO 3RD PARTY SWD WELL									
Surface Rentals	DIDC.150	DICC.140	104,000	DICC.140	STIM.140	0	STIM.140	CON.140	175,000
Downhole Rentals	DIDC.155		79,000				STIM.145		70,000
Flowback Labor							STIM.141		0
Automation Labor									
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	110,000	DICC.155		85,000			
Tubular Inspections	DIDC.190	DICC.160	63,000	DICC.160	STIM.160	5,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	10,000	DICC.165	STIM.165	20,000	STIM.165		0
Mechanical Labor	DIDC.200	DICC.170	28,000	DICC.170	STIM.170	10,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	18,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	75,000	DICC.180	STIM.180	14,000	STIM.180	CON.180	58,000
Trailer House/Camp/Catering	DIDC.280	DICC.255	43,000	DICC.255	STIM.280	7,000	STIM.280		30,000
Other Misc. Expenses	DIDC.220	DICC.190	5,000	DICC.190	STIM.190	0	STIM.190	CON.190	77,000
Overhead	DIDC.225	DICC.195	10,000	DICC.195		5,000			
MOB/DEMOB	DIDC.240		100,000						
Directional Drilling Services	DIDC.245		431,000						
Solids Control	DIDC.260		50,000						
Well Control Equip (Snubbing Services)	DIDC.265	DICC.240	86,000	DICC.240	STIM.240	5,000	STIM.240		83,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		250,000
Completion Logging/Perforating/Wireline							STIM.200		346,000
Composite Plugs							STIM.390		63,000
Stimulation							STIM.210		3,162,000
Stimulation Water/Water Transfer/Water							STIM.395		358,000
Cimarex Owned Frac/Rental Equipment							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		8,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
Contingency	DIDC.435	DICC.220	97,000	DICC.220	STIM.220	12,000	STIM.220	CON.220	244,000
Contingency									
Total Intangible Cost			2,322,000			261,000			5,126,000
Conductor Pipe	DWEB.130		7,000						
Water String	DWEB.135		16,000						
Surface Casing	DWEB.140		38,000						
Intermediate Casing 1	DWEB.145		307,000						
Production Casing or Liner				DWEA.100		395,000			
Tubing							STIMT.105		43,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT.120		38,000
Packer, Nipples							STIMT.400		28,000
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Line Pipe									
Total Tangible Cos			406,000			413,000			189,000
Total Estimated Cost			2,728,000			674,000			5,315,000

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
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AFE # 26822018

Description	Production Equip			Post Completion			Total	
	Codes	Amount	Codes	Amount	Cost	Amount	Cost	
Roads & Location	CON.100	50,500	PCOM.100	Road Repair	7,000	217,500		
Damages	CON.105	3,000				33,000		
Mud/Fluids Disposal			PCOM.255		0	147,000		
Day Rate						477,000		
Misc Preparation						20,000		
Bits			PCOM.125		0	90,000		
Fuel			PCOM.130		0	46,000		
Water for Drilling Rig (Not Frac Water)			PCOM.135		0	36,000		
Mud & Additives						200,000		
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	4000 BWPD for 2 months to BBR @ \$0.74/bbl	177,600	177,600		
Surface Rentals	CON.140	2,875	PCOM.140	\$1,500/d for 40 days	60,000	341,875		
Downhole Rentals			PCOM.145		0	149,000		
Flowback Labor			PCOM.141	\$2,000/d for 15 days	30,000	30,000		
Automation Labor	CON.150	59,375	PCOM.150	Sand Separator Hookup	9,500	68,875		
IPC & EXTERNAL PAINTING	CON.165	21,375				21,375		
Cementing & Float Equipment						195,000		
Tubular Inspections			PCOM.160		0	72,000		
Casing Crews						30,000		
Mechanical Labor	CON.170	270,375	PCOM.170		0	308,375		
Trucking/Transportation	CON.175	29,875	PCOM.175		0	59,875		
Supervision	CON.180	29,625	PCOM.180		0	176,625		
Trailer House/Camp/Catering						80,000		
Other Misc. Expenses	CON.190	37,750	PCOM.190		0	119,750		
Overhead						15,000		
MOB/DEMOB						100,000		
Directional Drilling Services						431,000		
Solids Control						50,000		
Well Control Equip (Snubbing Services)			PCOM.240		0	174,000		
Completion Rig			PCOM.115		0	21,000		
Coil Tubing Services			PCOM.260		0	250,000		
Completion Logging/Perforating/Wireline			PCOM.200		0	346,000		
Composite Plugs			PCOM.390		0	63,000		
Stimulation Pumping/Chemicals/Additives/Sand			PCOM.210	Initial Chem Install	10,000	3,172,000		
Stimulation Water/Water Transfer/Water Storage						358,000		
Cimarex Owned Frac/Rental Equipment			PCOM.305	XEC Owned Spherical Plus Iron	72,500	132,500		
Legal/Regulatory/Curative	CON.300	0				10,000		
Well Control Insurance						8,000		
FL/GL - ON PAD LABOR	CON.495	19,500				19,500		
FL/GL - Labor	CON.500	39,125				39,125		
FL/GL - Supervision	CON.505	23,625				23,625		
Survey	CON.515	2,750				2,750		
Contingency	CON.220	159,750	PCOM.220		0	512,750		
Contingency	CON.221	12,500				12,500		
Total Intangible Cost		762,000			366,600	8,837,600		
Conductor Pipe						7,000		
Water String						16,000		
Surface Casing						38,000		
Intermediate Casing 1						307,000		
Production Casing or Liner						395,000		
Tubing			PCOMT.105		0	43,000		
Wellhead, Tree, Chokes			PCOMT.120	Welded Hairpin	10,000	104,000		
Packer, Nipples			PCOMT.400		0	28,000		
PUMPS	CONT.385	27,625				27,625		
WALKOVERS	CONT.390	15,000				15,000		
Downhole Lift Equipment			PCOMT.410		0	80,000		
N/C Lease Equipment	CONT.400	217,750				217,750		
Tanks, Tanks Steps, Stairs	CONT.405	103,000				103,000		
Battery Equipment	CONT.410	355,375				355,375		
Secondary Containments	CONT.415	51,875				51,875		
Overhead Power Distribution	CONT.420	85,625				85,625		
Facility Electrical	CONT.425	78,125				78,125		
Telecommunication Equipment	CONT.426	1,250				1,250		
Meters and Metering Equipment	CONT.445	37,125				37,125		
Facility Line Pipe	CONT.450	45,500				45,500		
Lease Automation Materials	CONT.455	78,125				78,125		
FL/GL - Materials	CONT.550	8,625				8,625		
FL/GL - Line Pipe	CONT.555	33,125				33,125		
Total Tangible Cos		1,138,125			10,000	2,156,125		
Total Estimated Cost		1,900,125			376,600	10,993,725		

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Authorization For Expenditure Drilling

AFE # 26822019

Company Entity

Date Prepared
10/14/2021

Exploration Region Permian Basin	Well Name WHITE CITY 8-17-20 FED COM 5H	Prospect Carlsbad Bone Spring Prospect	Property Number 300001-207.01	AFE 26822019
County, State Eddy, NM	Location Middle Point of the W2 Sections 8, 17 and 20, Township 25 South, Range 27 East, Eddy County, NM		Estimated Spud 9/7/2022	Estimated Completion
<input checked="" type="checkbox"/> New <input type="checkbox"/> Supplement <input type="checkbox"/> Revision	Formation Wolfcamp	Well Type DEV	Ttl Measured Depth 25,200	Ttl Vertical Depth 9,120

Purpose **Drill and complete well**

Description

Drilling **Drill 3-mile lower WCA**

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	\$2,486,000		\$2,486,000
Completion Costs		\$6,680,600	\$6,680,600
Total Intangible Cost	\$2,486,000	\$6,680,600	\$9,166,600
Tangible	Dry Hole	After Casing Point	Completed Well Cost
Well Equipment	\$406,000	\$612,000	\$1,018,000
Lease Equipment		\$1,251,938	\$1,251,938
Total Tangible Cost	\$406,000	\$1,863,938	\$2,269,938
Total Well Cost	\$2,892,000	\$8,544,538	\$11,436,538

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.

10/14/2021

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
5H

AFE # 26822019

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
Roads & Location	DIDC.100	150,000			STIM.100	10,000	CON.100	55,550	PCOM.100	7,000	222,550
Damages	DIDC.105	30,000					CON.105	3,300			33,300
Mud/Fluids Disposal	DIDC.255	67,000			STIM.255	80,000			PCOM.255	0	147,000
Day Rate	DIDC.115	417,000	DICC.120	90,000							507,000
Misc Preparation	DIDC.120	20,000									20,000
Bits	DIDC.125	90,000	DICC.125	0	STIM.125	0			PCOM.125	0	90,000
Fuel	DIDC.135	48,000	DICC.130	0					PCOM.130	0	48,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	31,000			PCOM.135	0	36,000
Mud & Additives	DIDC.145	200,000									200,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	266,400	266,400
Surface Rentals	DIDC.150	109,000	DICC.140	0	STIM.140	175,000	CON.140	3,163	PCOM.140	60,000	347,163
Downhole Rentals	DIDC.155	80,000			STIM.145	70,000			PCOM.145	0	150,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	65,313	PCOM.150	9,500	74,813
IPC & EXTERNAL PAINTING							CON.165	23,513			23,513
Cementing & Float Equipment	DIDC.185	110,000	DICC.155	85,000							195,000
Tubular Inspections	DIDC.190	63,000	DICC.160	5,000	STIM.160	4,000			PCOM.160	0	72,000
Casing Crews	DIDC.195	10,000	DICC.165	20,000	STIM.165	0					30,000
Mechanical Labor	DIDC.200	28,000	DICC.170	10,000	STIM.170	0	CON.170	297,413	PCOM.170	0	335,413
Trucking/Transportation	DIDC.205	18,000	DICC.175	8,000	STIM.175	4,000	CON.175	32,863	PCOM.175	0	62,863
Supervision	DIDC.210	80,000	DICC.180	14,000	STIM.180	58,000	CON.180	32,588	PCOM.180	0	184,588
Trailer House/Camp/Catering	DIDC.280	46,000	DICC.255	7,000	STIM.280	30,000					83,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	77,000	CON.190	41,525	PCOM.190	0	123,525
Overhead	DIDC.225	10,000	DICC.195	5,000							15,000
MOB/DEMOB	DIDC.240	100,000									100,000
Directional Drilling Services	DIDC.245	533,000									533,000
Solids Control	DIDC.260	53,000									53,000
Well Control Equip (Snubbing Services)	DIDC.265	92,000	DICC.240	5,000	STIM.240	83,000			PCOM.240	0	180,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	250,000			PCOM.260	0	250,000
Completion Logging/Perforating/Wireline					STIM.200	346,000			PCOM.200	0	346,000
Composite Plugs					STIM.390	63,000			PCOM.390	0	63,000
Stimulation Pumping/Chemicals/Additives/Sand					STIM.210	3,162,000			PCOM.210	10,000	3,172,000
Stimulation Water/Water Transfer/Water Storage					STIM.395	358,000					358,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	72,500	132,500
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	8,000									8,000
FL/GL - ON PAD LABOR							CON.495	21,450			21,450
FL/GL - Labor							CON.500	43,038			43,038
FL/GL - Supervision							CON.505	25,988			25,988
Survey							CON.515	3,025			3,025
Contingency	DIDC.435	104,000	DICC.220	12,000	STIM.220	244,000	CON.220	175,725	PCOM.220	0	535,725
Contingency							CON.221	13,750			13,750
Total Intangible Cost		2,486,000		261,000		5,126,000		838,200		455,400	9,166,600
Conductor Pipe	DWEB.130	7,000									7,000
Water String	DWEB.135	16,000									16,000
Surface Casing	DWEB.140	38,000									38,000
Intermediate Casing 1	DWEB.145	307,000									307,000
Production Casing or Liner			DWEA.100	395,000							395,000
Tubing					STIMT.105	43,000			PCOMT.105	0	43,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
PUMPS							CONT.385	30,388			30,388
WALKOVERS							CONT.390	16,500			16,500
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
N/C Lease Equipment							CONT.400	239,525			239,525
Tanks, Tanks Steps, Stairs							CONT.405	113,300			113,300
Battery Equipment							CONT.410	390,913			390,913
Secondary Containments							CONT.415	57,063			57,063
Overhead Power Distribution							CONT.420	94,188			94,188
Facility Electrical							CONT.425	85,938			85,938
Telecommunication Equipment							CONT.426	1,375			1,375
Meters and Metering Equipment							CONT.445	40,838			40,838
Facility Line Pipe							CONT.450	50,050			50,050
Lease Automation Materials							CONT.455	85,938			85,938
FL/GL - Materials							CONT.550	9,488			9,488
FL/GL - Line Pipe							CONT.555	36,438			36,438
Total Tangible Cost		406,000		413,000		189,000		1,251,938		10,000	2,269,938
Total Estimated Cost		2,892,000		674,000		5,315,000		2,090,138		465,400	11,436,538

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
5H

AFE # 26822019

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		150,000				STIM.100	CON.100	10,000
Damages	DIDC.105		30,000						
Mud/Fluids Disposal	DIDC.255		67,000				STIM.255		80,000
Day Rate	DIDC.115	DICC.120	417,000	DICC.120		90,000			
Misc Preparation	DIDC.120		20,000						
Bits	DIDC.125	DICC.125	90,000	DICC.125	STIM.125	0	STIM.125		0
Fuel	DIDC.135	DICC.130	48,000	DICC.130		0			
Water for Drilling Rig (Not Frac Water)	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		31,000
Mud & Additives	DIDC.145		200,000						
SWD PIPED TO 3RD PARTY SWD WELL									
Surface Rentals	DIDC.150	DICC.140	109,000	DICC.140	STIM.140	0	STIM.140	CON.140	175,000
Downhole Rentals	DIDC.155		80,000				STIM.145		70,000
Flowback Labor							STIM.141		0
Automation Labor									
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	110,000	DICC.155		85,000			
Tubular Inspections	DIDC.190	DICC.160	63,000	DICC.160	STIM.160	5,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	10,000	DICC.165	STIM.165	20,000	STIM.165		0
Mechanical Labor	DIDC.200	DICC.170	28,000	DICC.170	STIM.170	10,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	18,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	80,000	DICC.180	STIM.180	14,000	STIM.180	CON.180	58,000
Trailer House/Camp/Catering	DIDC.280	DICC.255	46,000	DICC.255	STIM.280	7,000	STIM.280		30,000
Other Misc Expenses	DIDC.220	DICC.190	5,000	DICC.190	STIM.190	0	STIM.190	CON.190	77,000
Overhead	DIDC.225	DICC.195	10,000	DICC.195		5,000			
MOB/DEMOB	DIDC.240		100,000						
Directional Drilling Services	DIDC.245		533,000						
Solids Control	DIDC.260		53,000						
Well Control Equip (Snubbing Services)	DIDC.265	DICC.240	92,000	DICC.240	STIM.240	5,000	STIM.240		83,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		250,000
Completion Logging/Perforating/Wireline							STIM.200		346,000
Composite Plugs							STIM.390		63,000
Stimulation							STIM.210		3,162,000
Stimulation Water/Water Transfer/Water							STIM.395		358,000
Cimarex Owned Frac/Rental Equipment							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		8,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
Contingency	DIDC.435	DICC.220	104,000	DICC.220	STIM.220	12,000	STIM.220	CON.220	244,000
Contingency									
Total Intangible Cost			2,486,000			261,000			5,126,000
Conductor Pipe	DWEB.130		7,000						
Water String	DWEB.135		16,000						
Surface Casing	DWEB.140		38,000						
Intermediate Casing 1	DWEB.145		307,000						
Production Casing or Liner				DWEA.100		395,000			
Tubing							STIMT.105		43,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT.120		38,000
Packer, Nipples							STIMT.400		28,000
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Line Pipe									
Total Tangible Cos			406,000			413,000			189,000
Total Estimated Cost			2,892,000			674,000			5,315,000

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
5H

AFE # 26822019

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
Roads & Location	CON.100	55,550	PCOM.100	Road Repair	7,000		222,550
Damages	CON.105	3,300					33,300
Mud/Fluids Disposal			PCOM.255		0		147,000
Day Rate							507,000
Misc Preparation							20,000
Bits			PCOM.125		0		90,000
Fuel			PCOM.130		0		48,000
Water for Drilling Rig (Not Frac Water)			PCOM.135		0		36,000
Mud & Additives							200,000
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	6000 BWPD for 2 months to BBR @ \$0.74/bbl	266,400		266,400
Surface Rentals	CON.140	3,163	PCOM.140	\$1,500/d for 40 days	60,000		347,163
Downhole Rentals			PCOM.145		0		150,000
Flowback Labor			PCOM.141	\$2,000/d for 15 days	30,000		30,000
Automation Labor	CON.150	65,313	PCOM.150	Sand Separator Hookup	9,500		74,813
IPC & EXTERNAL PAINTING	CON.165	23,513					23,513
Cementing & Float Equipment							195,000
Tubular Inspections			PCOM.160		0		72,000
Casing Crews							30,000
Mechanical Labor	CON.170	297,413	PCOM.170		0		335,413
Trucking/Transportation	CON.175	32,863	PCOM.175		0		62,863
Supervision	CON.180	32,588	PCOM.180		0		184,588
Trailer House/Camp/Catering							83,000
Other Misc. Expenses	CON.190	41,525	PCOM.190		0		123,525
Overhead							15,000
MOB/DEMOB							100,000
Directional Drilling Services							533,000
Solids Control							53,000
Well Control Equip (Snubbing Services)			PCOM.240		0		180,000
Completion Rig			PCOM.115		0		21,000
Coil Tubing Services			PCOM.260		0		250,000
Completion Logging/Perforating/Wireline			PCOM.200		0		346,000
Composite Plugs			PCOM.390		0		63,000
Stimulation Pumping/Chemicals/Additives/Sand			PCOM.210	Initial Chem Install	10,000		3,172,000
Stimulation Water/Water Transfer/Water Storage							358,000
Cimarex Owned Frac/Rental Equipment			PCOM.305	XEC Owned Spherical Plus Iron	72,500		132,500
Legal/Regulatory/Curative	CON.300	0					10,000
Well Control Insurance							8,000
FL/GL - ON PAD LABOR	CON.495	21,450					21,450
FL/GL - Labor	CON.500	43,038					43,038
FL/GL - Supervision	CON.505	25,988					25,988
Survey	CON.515	3,025					3,025
Contingency	CON.220	175,725	PCOM.220		0		535,725
Contingency	CON.221	13,750					13,750
Total Intangible Cost		838,200			455,400		9,166,600
Conductor Pipe							7,000
Water String							16,000
Surface Casing							38,000
Intermediate Casing 1							307,000
Production Casing or Liner							395,000
Tubing			PCOMT.105		0		43,000
Wellhead, Tree, Chokes			PCOMT.120	Welded Hairpin	10,000		104,000
Packer, Nipples			PCOMT.400		0		28,000
PUMPS	CONT.385	30,388					30,388
WALKOVERS	CONT.390	16,500					16,500
Downhole Lift Equipment			PCOMT.410		0		80,000
N/C Lease Equipment	CONT.400	239,525					239,525
Tanks, Tanks Steps, Stairs	CONT.405	113,300					113,300
Battery Equipment	CONT.410	390,913					390,913
Secondary Containments	CONT.415	57,063					57,063
Overhead Power Distribution	CONT.420	94,188					94,188
Facility Electrical	CONT.425	85,938					85,938
Telecommunication Equipment	CONT.426	1,375					1,375
Meters and Metering Equipment	CONT.445	40,838					40,838
Facility Line Pipe	CONT.450	50,050					50,050
Lease Automation Materials	CONT.455	85,938					85,938
FL/GL - Materials	CONT.550	9,488					9,488
FL/GL - Line Pipe	CONT.555	36,438					36,438
Total Tangible Cos		1,251,938			10,000		2,269,938
Total Estimated Cost		2,090,138			465,400		11,436,538

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Authorization For Expenditure Drilling

AFE # 26822020

Company Entity

Date Prepared
10/14/2021

Exploration Region Permian Basin	Well Name WHITE CITY 8-17-20 FED COM 6H	Prospect Lea Prospect	Property Number 300001-204.01	AFE 26822020
County, State Eddy, NM	Location W2W2 Sections 8, 17 and 20, Township 25 South, Range 27 East, Eddy County, NM		Estimated Spud 7/27/2022	Estimated Completion
<input checked="" type="checkbox"/> New <input type="checkbox"/> Supplement <input type="checkbox"/> Revision	Formation Wolfcamp	Well Type DEV	Ttl Measured Depth 25,000	Ttl Vertical Depth 8,920

Purpose Drill and complete well

Description

Drilling Drilling 3-mile WCA

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	\$2,322,000		\$2,322,000
Completion Costs		\$6,515,600	\$6,515,600
Total Intangible Cost	\$2,322,000	\$6,515,600	\$8,837,600
Tangible	Dry Hole	After Casing Point	Completed Well Cost
Well Equipment	\$406,000	\$612,000	\$1,018,000
Lease Equipment		\$1,138,125	\$1,138,125
Total Tangible Cost	\$406,000	\$1,750,125	\$2,156,125
Total Well Cost	\$2,728,000	\$8,265,725	\$10,993,725

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.

10/14/2021

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
6H

AFE # 26822020

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
Roads & Location	DIDC.100	150,000			STIM.100	10,000	CON.100	50,500	PCOM.100	7,000	217,500
Damages	DIDC.105	30,000					CON.105	3,000			33,000
Mud/Fluids Disposal	DIDC.255	67,000			STIM.255	80,000			PCOM.255	0	147,000
Day Rate	DIDC.115	387,000	DICC.120	90,000							477,000
Misc Preparation	DIDC.120	20,000									20,000
Bits	DIDC.125	90,000	DICC.125	0	STIM.125	0			PCOM.125	0	90,000
Fuel	DIDC.135	46,000	DICC.130	0					PCOM.130	0	46,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	31,000			PCOM.135	0	36,000
Mud & Additives	DIDC.145	200,000									200,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	177,600	177,600
Surface Rentals	DIDC.150	104,000	DICC.140	0	STIM.140	175,000	CON.140	2,875	PCOM.140	60,000	341,875
Downhole Rentals	DIDC.155	79,000			STIM.145	70,000			PCOM.145	0	149,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	59,375	PCOM.150	9,500	68,875
I/P & EXTERNAL PAINTING							CON.165	21,375			21,375
Cementing & Float Equipment	DIDC.185	110,000	DICC.155	85,000							195,000
Tubular Inspections	DIDC.190	63,000	DICC.160	5,000	STIM.160	4,000			PCOM.160	0	72,000
Casing Crews	DIDC.195	10,000	DICC.165	20,000	STIM.165	0					30,000
Mechanical Labor	DIDC.200	28,000	DICC.170	10,000	STIM.170	0	CON.170	270,375	PCOM.170	0	308,375
Trucking/Transportation	DIDC.205	18,000	DICC.175	8,000	STIM.175	4,000	CON.175	29,875	PCOM.175	0	59,875
Supervision	DIDC.210	75,000	DICC.180	14,000	STIM.180	58,000	CON.180	29,625	PCOM.180	0	176,625
Trailer House/Camp/Catering	DIDC.280	43,000	DICC.255	7,000	STIM.280	30,000					80,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	77,000	CON.190	37,750	PCOM.190	0	119,750
Overhead	DIDC.225	10,000	DICC.195	5,000							15,000
MOB/DEMOB	DIDC.240	100,000									100,000
Directional Drilling Services	DIDC.245	431,000									431,000
Solids Control	DIDC.260	50,000									50,000
Well Control Equip (Snubbing Services)	DIDC.265	86,000	DICC.240	5,000	STIM.240	83,000			PCOM.240	0	174,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	250,000			PCOM.260	0	250,000
Completion Logging/Perforating/Wireline					STIM.200	346,000			PCOM.200	0	346,000
Composite Plugs					STIM.390	63,000			PCOM.390	0	63,000
Stimulation Pumping/Chemicals/Additives/Sand					STIM.210	3,162,000			PCOM.210	10,000	3,172,000
Stimulation Water/Water Transfer/Water Storage					STIM.395	358,000					358,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	72,500	132,500
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	8,000									8,000
FL/GL - ON PAD LABOR							CON.495	19,500			19,500
FL/GL - Labor							CON.500	39,125			39,125
FL/GL - Supervision							CON.505	23,625			23,625
Survey							CON.515	2,750			2,750
Contingency	DIDC.435	97,000	DICC.220	12,000	STIM.220	244,000	CON.220	159,750	PCOM.220	0	512,750
Contingency							CON.221	12,500			12,500
Total Intangible Cost		2,322,000		261,000		5,126,000		762,000		366,600	8,837,600
Conductor Pipe	DWEB.130	7,000									7,000
Water String	DWEB.135	16,000									16,000
Surface Casing	DWEB.140	38,000									38,000
Intermediate Casing 1	DWEB.145	307,000									307,000
Production Casing or Liner			DWEA.100	395,000							395,000
Tubing					STIMT.105	43,000			PCOMT.105	0	43,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
PUMPS							CON.385	27,625			27,625
WALKOVERS							CON.390	15,000			15,000
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
N/C Lease Equipment							CON.400	217,750			217,750
Tanks, Tanks Steps, Stairs							CON.405	103,000			103,000
Battery Equipment							CON.410	355,375			355,375
Secondary Containments							CON.415	51,875			51,875
Overhead Power Distribution							CON.420	85,625			85,625
Facility Electrical							CON.425	78,125			78,125
Telecommunication Equipment							CON.426	1,250			1,250
Meters and Metering Equipment							CON.445	37,125			37,125
Facility Line Pipe							CON.450	45,500			45,500
Lease Automation Materials							CON.455	78,125			78,125
FL/GL - Materials							CON.550	8,625			8,625
FL/GL - Line Pipe							CON.555	33,125			33,125
Total Tangible Cost		406,000		413,000		189,000		1,138,125		10,000	2,156,125
Total Estimated Cost		2,728,000		674,000		5,315,000		1,900,125		376,600	10,993,725

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM 6H

AFE # 26822020

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		150,000				STIM.100	CON.100	10,000
Damages	DIDC.105		30,000						
Mud/Fluids Disposal	DIDC.255		67,000				STIM.255		80,000
Day Rate	DIDC.115	DICC.120	387,000	DICC.120		90,000			
Misc Preparation	DIDC.120		20,000						
Bits	DIDC.125	DICC.125	90,000	DICC.125	STIM.125	0	STIM.125		0
Fuel	DIDC.135	DICC.130	46,000	DICC.130		0			
Water for Drilling Rig (Not Frac Water)	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		31,000
Mud & Additives	DIDC.145		200,000						
SWD PIPED TO 3RD PARTY SWD WELL									
Surface Rentals	DIDC.150	DICC.140	104,000	DICC.140	STIM.140	0	STIM.140	CON.140	175,000
Downhole Rentals	DIDC.155		79,000				STIM.145		70,000
Flowback Labor							STIM.141		0
Automation Labor									
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	110,000	DICC.155		85,000			
Tubular Inspections	DIDC.190	DICC.160	63,000	DICC.160	STIM.160	5,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	10,000	DICC.165	STIM.165	20,000	STIM.165		0
Mechanical Labor	DIDC.200	DICC.170	28,000	DICC.170	STIM.170	10,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	18,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	75,000	DICC.180	STIM.180	14,000	STIM.180	CON.180	58,000
Trailer House/Camp/Catering	DIDC.280	DICC.255	43,000	DICC.255	STIM.280	7,000	STIM.280		30,000
Other Misc Expenses	DIDC.220	DICC.190	5,000	DICC.190	STIM.190	0	STIM.190	CON.190	77,000
Overhead	DIDC.225	DICC.195	10,000	DICC.195		5,000			
MOB/DEMOB	DIDC.240		100,000						
Directional Drilling Services	DIDC.245		431,000						
Solids Control	DIDC.260		50,000						
Well Control Equip (Snubbing Services)	DIDC.265	DICC.240	86,000	DICC.240	STIM.240	5,000	STIM.240		83,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		250,000
Completion Logging/Perforating/Wireline							STIM.200		346,000
Composite Plugs							STIM.390		63,000
Stimulation							STIM.210		3,162,000
Stimulation Water/Water Transfer/Water							STIM.395		358,000
Cimarex Owned Frac/Rental Equipment							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		8,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
Contingency	DIDC.435	DICC.220	97,000	DICC.220	STIM.220	12,000	STIM.220	CON.220	244,000
Contingency									
Total Intangible Cos			2,322,000			261,000			5,126,000
Conductor Pipe	DWEB.130		7,000						
Water String	DWEB.135		16,000						
Surface Casing	DWEB.140		38,000						
Intermediate Casing 1	DWEB.145		307,000						
Production Casing or Liner				DWEA.100		395,000			
Tubing							STIMT.105		43,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT.120		38,000
Packer, Nipples							STIMT.400		28,000
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Line Pipe									
Total Tangible Cos			406,000			413,000			189,000
Total Estimated Cost			2,728,000			674,000			5,315,000

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Description	Codes	Production Equip		Post Completion		Total	
		Amount	Codes	Amount	Cost		
Roads & Location	CON.100	50,500	PCOM.100	Road Repair	7,000	217,500	
Damages	CON.105	3,000				33,000	
Mud/Fluids Disposal			PCOM.255		0	147,000	
Day Rate						477,000	
Misc Preparation						20,000	
Bits			PCOM.125		0	90,000	
Fuel			PCOM.130		0	46,000	
Water for Drilling Rig (Not Frac Water)			PCOM.135		0	36,000	
Mud & Additives						200,000	
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	4000 BWPD for 2 months to BBR @ \$0.74/bbl	177,600	177,600	
Surface Rentals	CON.140	2,875	PCOM.140	\$1,500/d for 40 days	60,000	341,875	
Downhole Rentals			PCOM.145		0	149,000	
Flowback Labor			PCOM.141	\$2,000/d for 15 days	30,000	30,000	
Automation Labor	CON.150	59,375	PCOM.150	Sand Separator Hookup	9,500	68,875	
IPC & EXTERNAL PAINTING	CON.165	21,375				21,375	
Cementing & Float Equipment						195,000	
Tubular Inspections			PCOM.160		0	72,000	
Casing Crews						30,000	
Mechanical Labor	CON.170	270,375	PCOM.170		0	308,375	
Trucking/Transportation	CON.175	29,875	PCOM.175		0	59,875	
Supervision	CON.180	29,625	PCOM.180		0	176,625	
Trailer House/Camp/Catering						80,000	
Other Misc Expenses	CON.190	37,750	PCOM.190		0	119,750	
Overhead						15,000	
MOB/DEMOB						100,000	
Directional Drilling Services						431,000	
Solids Control						50,000	
Well Control Equip (Snubbing Services)			PCOM.240		0	174,000	
Completion Rig			PCOM.115		0	21,000	
Coil Tubing Services			PCOM.260		0	250,000	
Completion Logging/Perforating/Wireline			PCOM.200		0	346,000	
Composite Plugs			PCOM.390		0	63,000	
Stimulation Pumping/Chemicals/Additives/Sand			PCOM.210	Initial Chem Install	10,000	3,172,000	
Stimulation Water/Water Transfer/Water Storage						358,000	
Cimarex Owned Frac/Rental Equipment			PCOM.305	XEC Owned Spherical Plus Iron	72,500	132,500	
Legal/Regulatory/Curative	CON.300	0				10,000	
Well Control Insurance						8,000	
FL/GL - ON PAD LABOR	CON.495	19,500				19,500	
FL/GL - Labor	CON.500	39,125				39,125	
FL/GL - Supervision	CON.505	23,625				23,625	
Survey	CON.515	2,750				2,750	
Contingency	CON.220	159,750	PCOM.220		0	512,750	
Contingency	CON.221	12,500				12,500	
Total Intangible Cost		762,000			366,600	8,837,600	
Conductor Pipe						7,000	
Water String						16,000	
Surface Casing						38,000	
Intermediate Casing 1						307,000	
Production Casing or Liner						395,000	
Tubing			PCOMT.105		0	43,000	
Wellhead, Tree, Chokes			PCOMT.120	Welded Hairpin	10,000	104,000	
Packer, Nipples			PCOMT.400		0	28,000	
PUMPS	CONT.385	27,625				27,625	
WALKOVERS	CONT.390	15,000				15,000	
Downhole Lift Equipment			PCOMT.410		0	80,000	
N/C Lease Equipment	CONT.400	217,750				217,750	
Tanks, Tanks Steps, Stairs	CONT.405	103,000				103,000	
Battery Equipment	CONT.410	355,375				355,375	
Secondary Containments	CONT.415	51,875				51,875	
Overhead Power Distribution	CONT.420	85,625				85,625	
Facility Electrical	CONT.425	78,125				78,125	
Telecommunication Equipment	CONT.426	1,250				1,250	
Meters and Metering Equipment	CONT.445	37,125				37,125	
Facility Line Pipe	CONT.450	45,500				45,500	
Lease Automation Materials	CONT.455	78,125				78,125	
FL/GL - Materials	CONT.550	8,625				8,625	
FL/GL - Line Pipe	CONT.555	33,125				33,125	
Total Tangible Cost		1,138,125			10,000	2,156,125	
Total Estimated Cost		1,900,125			376,600	10,993,725	

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Authorization For Expenditure Drilling

AFE # 26822021

Company Entity

Date Prepared
10/14/2021

Exploration Region Permian Basin	Well Name WHITE CITY 8-17-20 FED COM 7H	Prospect Carlsbad Bone Spring Prospect	Property Number 300001-208.01	AFE 26822021
County, State Eddy, NM	Location W2W2 Sections 8, 17 and 20, Township 25 South, Range 27 East, Eddy County, NM		Estimated Spud 9/14/2022	Estimated Completion
<input checked="" type="checkbox"/> New	Formation Wolfcamp	Well Type DEV	Ttl Measured Depth 25,200	Ttl Vertical Depth 9,120
<input type="checkbox"/> Supplement				
<input type="checkbox"/> Revision				

Purpose **Drill and complete well**

Description

Drilling **Drill 3-mile lower WC**

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	\$2,486,000		\$2,486,000
Completion Costs		\$6,680,600	\$6,680,600
Total Intangible Cost	\$2,486,000	\$6,680,600	\$9,166,600
Tangible	Dry Hole	After Casing Point	Completed Well Cost
Well Equipment	\$406,000	\$612,000	\$1,018,000
Lease Equipment		\$1,251,938	\$1,251,938
Total Tangible Cost	\$406,000	\$1,863,938	\$2,269,938
Total Well Cost	\$2,892,000	\$8,544,538	\$11,436,538

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.

10/14/2021



Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
7H

AFE # 26822021

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
Roads & Location	DIDC.100	150,000			STIM.100	10,000	CON.100	55,550	PCOM.100	7,000	222,550
Damages	DIDC.105	30,000					CON.105	3,300			33,300
Mud/Fluids Disposal	DIDC.255	67,000			STIM.255	80,000			PCOM.255	0	147,000
Day Rate	DIDC.115	417,000	DICC.120	90,000							507,000
Misc Preparation	DIDC.120	20,000									20,000
Bits	DIDC.125	90,000	DICC.125	0	STIM.125	0			PCOM.125	0	90,000
Fuel	DIDC.135	48,000	DICC.130	0					PCOM.130	0	48,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	31,000			PCOM.135	0	36,000
Mud & Additives	DIDC.145	200,000									200,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	266,400	266,400
Surface Rentals	DIDC.150	109,000	DICC.140	0	STIM.140	175,000	CON.140	3,163	PCOM.140	60,000	347,163
Downhole Rentals	DIDC.155	80,000			STIM.145	70,000			PCOM.145	0	150,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	65,313	PCOM.150	9,500	74,813
IPC & EXTERNAL PAINTING							CON.165	23,513			23,513
Cementing & Float Equipment	DIDC.185	110,000	DICC.155	85,000							195,000
Tubular Inspections	DIDC.190	63,000	DICC.160	5,000	STIM.160	4,000			PCOM.160	0	72,000
Casing Crews	DIDC.195	10,000	DICC.165	20,000	STIM.165	0					30,000
Mechanical Labor	DIDC.200	28,000	DICC.170	10,000	STIM.170	0	CON.170	297,413	PCOM.170	0	335,413
Trucking/Transportation	DIDC.205	18,000	DICC.175	8,000	STIM.175	4,000	CON.175	32,863	PCOM.175	0	62,863
Supervision	DIDC.210	80,000	DICC.180	14,000	STIM.180	58,000	CON.180	32,588	PCOM.180	0	184,588
Trailer House/Camp/Catering	DIDC.280	46,000	DICC.255	7,000	STIM.280	30,000					83,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	77,000	CON.190	41,525	PCOM.190	0	123,525
Overhead	DIDC.225	10,000	DICC.195	5,000							15,000
MOB/DEMOB	DIDC.240	100,000									100,000
Directional Drilling Services	DIDC.245	533,000									533,000
Solids Control	DIDC.260	53,000									53,000
Well Control Equip (Snubbing Services)	DIDC.265	92,000	DICC.240	5,000	STIM.240	83,000			PCOM.240	0	180,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	250,000			PCOM.260	0	250,000
Completion Logging/Perforating/Wireline					STIM.200	346,000			PCOM.200	0	346,000
Composite Plugs					STIM.390	63,000			PCOM.390	0	63,000
Stimulation Pumping/Chemicals/Additives/Sand					STIM.210	3,162,000			PCOM.210	10,000	3,172,000
Stimulation Water/Water Transfer/Water Storage					STIM.395	358,000					358,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	72,500	132,500
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	8,000									8,000
FL/GL - ON PAD LABOR							CON.495	21,450			21,450
FL/GL - Labor							CON.500	43,038			43,038
FL/GL - Supervision							CON.505	25,988			25,988
Survey							CON.515	3,025			3,025
Contingency	DIDC.435	104,000	DICC.220	12,000	STIM.220	244,000	CON.220	175,725	PCOM.220	0	535,725
Contingency							CON.221	13,750			13,750
Total Intangible Cos		2,486,000		261,000		5,126,000		838,200		455,400	9,166,600
Conductor Pipe	DWEB.130	7,000									7,000
Water String	DWEB.135	16,000									16,000
Surface Casing	DWEB.140	38,000									38,000
Intermediate Casing 1	DWEB.145	307,000									307,000
Production Casing or Liner			DWEA.100	395,000							395,000
Tubing					STIMT.105	43,000			PCOMT.105	0	43,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
PUMPS							CON.385	30,388			30,388
WALKOVERS							CON.390	16,500			16,500
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
N/C Lease Equipment							CON.400	239,525			239,525
Tanks, Tanks Steps, Stairs							CON.405	113,300			113,300
Battery Equipment							CON.410	390,913			390,913
Secondary Containments							CON.415	57,063			57,063
Overhead Power Distribution							CON.420	94,188			94,188
Facility Electrical							CON.425	85,938			85,938
Telecommunication Equipment							CON.426	1,375			1,375
Meters and Metering Equipment							CON.445	40,838			40,838
Facility Line Pipe							CON.450	50,050			50,050
Lease Automation Materials							CON.455	85,938			85,938
FL/GL - Materials							CON.550	9,488			9,488
FL/GL - Line Pipe							CON.555	36,438			36,438
Total Tangible Cos		406,000		413,000		189,000		1,251,938		10,000	2,269,938
Total Estimated Cost		2,892,000		674,000		5,315,000		2,090,138		465,400	11,436,538

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
7H

AFE # 26822021

Description	BCP - Drilling			ACP - Drilling			Comp/Stim	
	Codes		Amount	Codes		Amount	Codes	Amount
Roads & Location	DIDC.100		150,000				STIM.100 CON.100	10,000
Damages	DIDC.105		30,000					
Mud/Fluids Disposal	DIDC.255		67,000				STIM.255	80,000
Day Rate	DIDC.115	DICC.120	417,000	DICC.120		90,000		
Misc Preparation	DIDC.120		20,000					
Bits	DIDC.125	DICC.125	90,000	DICC.125	STIM.125	0	STIM.125	0
Fuel	DIDC.135	DICC.130	48,000	DICC.130		0		
Water for Drilling Rig (Not Frac Water)	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135	31,000
Mud & Additives	DIDC.145		200,000					
SWD PIPED TO 3RD PARTY SWD WELL								
Surface Rentals	DIDC.150	DICC.140	109,000	DICC.140	STIM.140	0	STIM.140 CON.140	175,000
Downhole Rentals	DIDC.155		80,000				STIM.145	70,000
Flowback Labor							STIM.141	0
Automation Labor								
IPC & EXTERNAL PAINTING								
Cementing & Float Equipment	DIDC.185	DICC.155	110,000	DICC.155		85,000		
Tubular Inspections	DIDC.190	DICC.160	63,000	DICC.160	STIM.160	5,000	STIM.160	4,000
Casing Crews	DIDC.195	DICC.165	10,000	DICC.165	STIM.165	20,000	STIM.165	0
Mechanical Labor	DIDC.200	DICC.170	28,000	DICC.170	STIM.170	10,000	STIM.170 CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	18,000	DICC.175	STIM.175	8,000	STIM.175 CON.175	4,000
Supervision	DIDC.210	DICC.180	80,000	DICC.180	STIM.180	14,000	STIM.180 CON.180	58,000
Trailer House/Camp/Catering	DIDC.280	DICC.255	46,000	DICC.255	STIM.280	7,000	STIM.280	30,000
Other Misc Expenses	DIDC.220	DICC.190	5,000	DICC.190	STIM.190	0	STIM.190 CON.190	77,000
Overhead	DIDC.225	DICC.195	10,000	DICC.195		5,000		
MOB/DEMOB	DIDC.240		100,000					
Directional Drilling Services	DIDC.245		533,000					
Solids Control	DIDC.260		53,000					
Well Control Equip (Snubbing Services)	DIDC.265	DICC.240	92,000	DICC.240	STIM.240	5,000	STIM.240	83,000
Completion Rig							STIM.115	21,000
Coil Tubing Services							STIM.260	250,000
Completion Logging/Perforating/Wireline							STIM.200	346,000
Composite Plugs							STIM.390	63,000
Stimulation							STIM.210	3,162,000
Stimulation Water/Water Transfer/Water							STIM.395	358,000
Cimarex Owned Frac/Rental Equipment							STIM.305	60,000
Legal/Regulatory/Curative	DIDC.300		10,000					
Well Control Insurance	DIDC.285		8,000					
FL/GL - ON PAD LABOR								
FL/GL - Labor								
FL/GL - Supervision								
Survey								
Contingency	DIDC.435	DICC.220	104,000	DICC.220	STIM.220	12,000	STIM.220 CON.220	244,000
Contingency								
Total Intangible Cost			2,486,000			261,000		5,126,000
Conductor Pipe	DWEB.130		7,000					
Water String	DWEB.135		16,000					
Surface Casing	DWEB.140		38,000					
Intermediate Casing 1	DWEB.145		307,000					
Production Casing or Liner				DWEA.100		395,000		
Tubing							STIMT.105	43,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT.120	38,000
Packer, Nipples							STIMT.400	28,000
PUMPS								
WALKOVERS								
Downhole Lift Equipment							STIMT.410	80,000
N/C Lease Equipment								
Tanks, Tanks Steps, Stairs								
Battery Equipment								
Secondary Containments								
Overhead Power Distribution								
Facility Electrical								
Telecommunication Equipment								
Meters and Metering Equipment								
Facility Line Pipe								
Lease Automation Materials								
FL/GL - Materials								
FL/GL - Line Pipe								
Total Tangible Cos			406,000			413,000		189,000
Total Estimated Cost			2,892,000			674,000		5,315,000

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
7H

AFE # 26822021

Description	Production Equip			Post Completion			Total	
	Codes	Amount		Codes	Amount		Cost	
Roads & Location	CON.100	55,550		PCOM.100	Road Repair	7,000		222,550
Damages	CON.105	3,300						33,300
Mud/Fluids Disposal				PCOM.255		0		147,000
Day Rate								507,000
Misc Preparation								20,000
Bits				PCOM.125		0		90,000
Fuel				PCOM.130		0		48,000
Water for Drilling Rig (Not Frac Water)				PCOM.135		0		36,000
Mud & Additives								200,000
SWD PIPED TO 3RD PARTY SWD WELL				PCOM.257	6000 BWPD for 2 months to BBR @ \$0.74/bbl	266,400		266,400
Surface Rentals	CON.140	3,163		PCOM.140	\$1,500/d for 40 days	60,000		347,163
Downhole Rentals				PCOM.145		0		150,000
Flowback Labor				PCOM.141	\$2,000/d for 15 days	30,000		30,000
Automation Labor	CON.150	65,313		PCOM.150	Sand Separator Hookup	9,500		74,813
IPC & EXTERNAL PAINTING	CON.165	23,513						23,513
Cementing & Float Equipment								195,000
Tubular Inspections				PCOM.160		0		72,000
Casing Crews								30,000
Mechanical Labor	CON.170	297,413		PCOM.170		0		335,413
Trucking/Transportation	CON.175	32,863		PCOM.175		0		62,863
Supervision	CON.180	32,588		PCOM.180		0		184,588
Trailer House/Camp/Catering								83,000
Other Misc Expenses	CON.190	41,525		PCOM.190		0		123,525
Overhead								15,000
MOB/DEMOB								100,000
Directional Drilling Services								533,000
Solids Control								53,000
Well Control Equip (Snubbing Services)				PCOM.240		0		180,000
Completion Rig				PCOM.115		0		21,000
Coil Tubing Services				PCOM.260		0		250,000
Completion Logging/Perforating/Wireline				PCOM.200		0		346,000
Composite Plugs				PCOM.390		0		63,000
Stimulation Pumping/Chemicals/Additives/Sand				PCOM.210	Initial Chem Install	10,000		3,172,000
Stimulation Water/Water Transfer/Water Storage								358,000
Cimarex Owned Frac/Rental Equipment				PCOM.305	XEC Owned Spherical Plus Iron	72,500		132,500
Legal/Regulatory/Curative	CON.300	0						10,000
Well Control Insurance								8,000
FL/GL - ON PAD LABOR	CON.495	21,450						21,450
FL/GL - Labor	CON.500	43,038						43,038
FL/GL - Supervision	CON.505	25,988						25,988
Survey	CON.515	3,025						3,025
Contingency	CON.220	175,725		PCOM.220		0		535,725
Contingency	CON.221	13,750						13,750
Total Intangible Cost		838,200				455,400		9,166,600
Conductor Pipe								7,000
Water String								16,000
Surface Casing								38,000
Intermediate Casing 1								307,000
Production Casing or Liner								395,000
Tubing				PCOMT.105		0		43,000
Wellhead, Tree, Chokes				PCOMT.120	Welded Hairpin	10,000		104,000
Packer, Nipples				PCOMT.400		0		28,000
PUMPS	CONT.385	30,388						30,388
WALKOVERS	CONT.390	16,500						16,500
Downhole Lift Equipment				PCOMT.410		0		80,000
N/C Lease Equipment	CONT.400	239,525						239,525
Tanks, Tanks Steps, Stairs	CONT.405	113,300						113,300
Battery Equipment	CONT.410	390,913						390,913
Secondary Containments	CONT.415	57,063						57,063
Overhead Power Distribution	CONT.420	94,188						94,188
Facility Electrical	CONT.425	85,938						85,938
Telecommunication Equipment	CONT.426	1,375						1,375
Meters and Metering Equipment	CONT.445	40,838						40,838
Facility Line Pipe	CONT.450	50,050						50,050
Lease Automation Materials	CONT.455	85,938						85,938
FL/GL - Materials	CONT.550	9,488						9,488
FL/GL - Line Pipe	CONT.555	36,438						36,438
Total Tangible Cos		1,251,938				10,000		2,269,938
Total Estimated Cost		2,090,138				465,400		11,436,538

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Authorization For Expenditure Drilling

AFE # 26822022

Company Entity

Date Prepared
10/14/2021

Exploration Region	Well Name	Prospect	Property Number	AFE
Permian Basin	WHITE CITY 8-17-20 FED COM 17H	Carlsbad Bone Spring Prospect	300001-205.01	26822022

County, State	Location	Estimated Spud	Estimated Completion
Eddy, NM	W2E2 Sections 8, 17 and 20, Township 25 South, Range 27 East, Eddy County, NM	8/9/2022	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	Wolfcamp	DEV	25,000	8,920
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Drilling 3-mile WCA target

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	\$2,322,000		\$2,322,000
Completion Costs		\$6,515,600	\$6,515,600
Total Intangible Cost	\$2,322,000	\$6,515,600	\$8,837,600

Tangible	Dry Hole	After Casing Point	Completed Well Cost
Well Equipment	\$406,000	\$612,000	\$1,018,000
Lease Equipment		\$1,138,125	\$1,138,125
Total Tangible Cost	\$406,000	\$1,750,125	\$2,156,125

Total Well Cost	\$2,728,000	\$8,265,725	\$10,993,725
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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.

10/14/2021

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
17H

AFE # 26822022

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total Cost
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
Roads & Location	DIDC.100	150,000			STIM.100	10,000	CON.100	50,500	PCOM.100	7,000	217,500
Damages	DIDC.105	30,000					CON.105	3,000			33,000
Mud/Fluids Disposal	DIDC.255	67,000			STIM.255	80,000			PCOM.255	0	147,000
Day Rate	DIDC.115	387,000	DICC.120	90,000							477,000
Misc Preparation	DIDC.120	20,000									20,000
Bits	DIDC.125	90,000	DICC.125	0	STIM.125	0			PCOM.125	0	90,000
Fuel	DIDC.135	46,000	DICC.130	0					PCOM.130	0	46,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	31,000			PCOM.135	0	36,000
Mud & Additives	DIDC.145	200,000									200,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	177,600	177,600
Surface Rentals	DIDC.150	104,000	DICC.140	0	STIM.140	175,000	CON.140	2,875	PCOM.140	60,000	341,875
Downhole Rentals	DIDC.155	79,000			STIM.145	70,000			PCOM.145	0	149,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	59,375	PCOM.150	9,500	68,875
IPC & EXTERNAL PAINTING							CON.165	21,375			21,375
Cementing & Float Equipment	DIDC.185	110,000	DICC.155	85,000							195,000
Tubular Inspections	DIDC.190	63,000	DICC.160	5,000	STIM.160	4,000			PCOM.160	0	72,000
Casing Crews	DIDC.195	10,000	DICC.165	20,000	STIM.165	0					30,000
Mechanical Labor	DIDC.200	28,000	DICC.170	10,000	STIM.170	0	CON.170	270,375	PCOM.170	0	308,375
Trucking/Transportation	DIDC.205	18,000	DICC.175	8,000	STIM.175	4,000	CON.175	29,875	PCOM.175	0	59,875
Supervision	DIDC.210	75,000	DICC.180	14,000	STIM.180	58,000	CON.180	29,625	PCOM.180	0	176,625
Trailer House/Camp/Catering	DIDC.280	43,000	DICC.255	7,000	STIM.280	30,000					80,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	77,000	CON.190	37,750	PCOM.190	0	119,750
Overhead	DIDC.225	10,000	DICC.195	5,000							15,000
MOB/DEMOB	DIDC.240	100,000									100,000
Directional Drilling Services	DIDC.245	431,000									431,000
Solids Control	DIDC.260	50,000									50,000
Well Control Equip (Snubbing Services)	DIDC.265	86,000	DICC.240	5,000	STIM.240	83,000			PCOM.240	0	174,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	250,000			PCOM.260	0	250,000
Completion Logging/Perforating/Wireline					STIM.200	346,000			PCOM.200	0	346,000
Composite Plugs					STIM.390	63,000			PCOM.390	0	63,000
Stimulation Pumping/Chemicals/Additives/Sand					STIM.210	3,162,000			PCOM.210	10,000	3,172,000
Stimulation Water/Water Transfer/Water Storage					STIM.395	358,000					358,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	72,500	132,500
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	8,000									8,000
FL/GL - ON PAD LABOR							CON.495	19,500			19,500
FL/GL - Labor							CON.500	39,125			39,125
FL/GL - Supervision							CON.505	23,625			23,625
Survey							CON.515	2,750			2,750
Contingency	DIDC.435	97,000	DICC.220	12,000	STIM.220	244,000	CON.220	159,750	PCOM.220	0	512,750
Contingency							CON.221	12,500			12,500
Total Intangible Cos		2,322,000		261,000		5,126,000		762,000		366,600	8,837,600
Conductor Pipe	DWEB.130	7,000									7,000
Water String	DWEB.135	16,000									16,000
Surface Casing	DWEB.140	38,000									38,000
Intermediate Casing 1	DWEB.145	307,000									307,000
Production Casing or Liner			DWEA.100	395,000							395,000
Tubing					STIMT.105	43,000			PCOMT.105	0	43,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
PUMPS							CON.385	27,625			27,625
WALKOVERS							CON.390	15,000			15,000
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
N/C Lease Equipment							CON.400	217,750			217,750
Tanks, Tanks Steps, Stairs							CON.405	103,000			103,000
Battery Equipment							CON.410	355,375			355,375
Secondary Containments							CON.415	51,875			51,875
Overhead Power Distribution							CON.420	85,625			85,625
Facility Electrical							CON.425	78,125			78,125
Telecommunication Equipment							CON.426	1,250			1,250
Meters and Metering Equipment							CON.445	37,125			37,125
Facility Line Pipe							CON.450	45,500			45,500
Lease Automation Materials							CON.455	78,125			78,125
FL/GL - Materials							CON.550	8,625			8,625
FL/GL - Line Pipe							CON.555	33,125			33,125
Total Tangible Cos		406,000		413,000		189,000		1,138,125		10,000	2,156,125
Total Estimated Cost		2,728,000		674,000		5,315,000		1,900,125		376,600	10,993,725

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
17H

AFE # 26822022

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		150,000				STIM.100	CON.100	10,000
Damages	DIDC.105		30,000						
Mud/Fluids Disposal	DIDC.255		67,000				STIM.255		80,000
Day Rate	DIDC.115	DICC.120	387,000	DICC.120		90,000			
Misc Preparation	DIDC.120		20,000						
Bits	DIDC.125	DICC.125	90,000	DICC.125	STIM.125	0	STIM.125		0
Fuel	DIDC.135	DICC.130	46,000	DICC.130		0			
Water for Drilling Rig (Not Frac Water)	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		31,000
Mud & Additives	DIDC.145		200,000						
SWD PIPED TO 3RD PARTY SWD WELL									
Surface Rentals	DIDC.150	DICC.140	104,000	DICC.140	STIM.140	0	STIM.140	CON.140	175,000
Downhole Rentals	DIDC.155		79,000				STIM.145		70,000
Flowback Labor							STIM.141		0
Automation Labor									
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	110,000	DICC.155		85,000			
Tubular Inspections	DIDC.190	DICC.160	63,000	DICC.160	STIM.160	5,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	10,000	DICC.165	STIM.165	20,000	STIM.165		0
Mechanical Labor	DIDC.200	DICC.170	28,000	DICC.170	STIM.170	10,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	18,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	75,000	DICC.180	STIM.180	14,000	STIM.180	CON.180	58,000
Trailer House/Camp/Catering	DIDC.280	DICC.255	43,000	DICC.255	STIM.280	7,000	STIM.280		30,000
Other Misc Expenses	DIDC.220	DICC.190	5,000	DICC.190	STIM.190	0	STIM.190	CON.190	77,000
Overhead	DIDC.225	DICC.195	10,000	DICC.195		5,000			
MOB/DEMOB	DIDC.240		100,000						
Directional Drilling Services	DIDC.245		431,000						
Solids Control	DIDC.260		50,000						
Well Control Equip (Snubbing Services)	DIDC.265	DICC.240	86,000	DICC.240	STIM.240	5,000	STIM.240		83,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		250,000
Completion Logging/Perforating/Wireline							STIM.200		346,000
Composite Plugs							STIM.390		63,000
Stimulation							STIM.210		3,162,000
Stimulation Water/Water Transfer/Water							STIM.395		358,000
Cimarex Owned Frac/Rental Equipment							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		8,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
Contingency	DIDC.435	DICC.220	97,000	DICC.220	STIM.220	12,000	STIM.220	CON.220	244,000
Contingency									
Total Intangible Cost			2,322,000			261,000			5,126,000
Conductor Pipe	DWEB.130		7,000						
Water String	DWEB.135		16,000						
Surface Casing	DWEB.140		38,000						
Intermediate Casing 1	DWEB.145		307,000						
Production Casing or Liner				DWEA.100		395,000			
Tubing							STIMT.105		43,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT.120		38,000
Packer, Nipples							STIMT.400		28,000
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Line Pipe									
Total Tangible Cos			406,000			413,000			189,000
Total Estimated Cost			2,728,000			674,000			5,315,000



Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
17H

AFE # 26822022

Description	Codes	Production Equip		Post Completion		Total	
		Amount	Codes	Amount	Cost		
Roads & Location	CON.100	50,500	PCOM.100	Road Repair	7,000	217,500	
Damages	CON.105	3,000				33,000	
Mud/Fluids Disposal			PCOM.255		0	147,000	
Day Rate						477,000	
Misc Preparation						20,000	
Bits			PCOM.125		0	90,000	
Fuel			PCOM.130		0	46,000	
Water for Drilling Rig (Not Frac Water)			PCOM.135		0	36,000	
Mud & Additives						200,000	
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	4000 BWPD for 2 months to BBR @ \$0.74/bbl	177,600	177,600	
Surface Rentals	CON.140	2,875	PCOM.140	\$1,500/d for 40 days	60,000	341,875	
Downhole Rentals			PCOM.145		0	149,000	
Flowback Labor			PCOM.141	\$2,000/d for 15 days	30,000	30,000	
Automation Labor	CON.150	59,375	PCOM.150	Sand Separator Hookup	9,500	68,875	
IPC & EXTERNAL PAINTING	CON.165	21,375				21,375	
Cementing & Float Equipment						195,000	
Tubular Inspections			PCOM.160		0	72,000	
Casing Crews						30,000	
Mechanical Labor	CON.170	270,375	PCOM.170		0	308,375	
Trucking/Transportation	CON.175	29,875	PCOM.175		0	59,875	
Supervision	CON.180	29,625	PCOM.180		0	176,625	
Trailer House/Camp/Catering						80,000	
Other Misc Expenses	CON.190	37,750	PCOM.190		0	119,750	
Overhead						15,000	
MOB/DEMOB						100,000	
Directional Drilling Services						431,000	
Solids Control						50,000	
Well Control Equip (Snubbing Services)			PCOM.240		0	174,000	
Completion Rig			PCOM.115		0	21,000	
Coil Tubing Services			PCOM.260		0	250,000	
Completion Logging/Perforating/Wireline			PCOM.200		0	346,000	
Composite Plugs			PCOM.390		0	63,000	
Stimulation Pumping/Chemicals/Additives/Sand			PCOM.210	Initial Chem Install	10,000	3,172,000	
Stimulation Water/Water Transfer/Water Storage						358,000	
Cimarex Owned Frac/Rental Equipment			PCOM.305	XEC Owned Spherical Plus Iron	72,500	132,500	
Legal/Regulatory/Curative	CON.300	0				10,000	
Well Control Insurance						8,000	
FL/GL - ON PAD LABOR	CON.495	19,500				19,500	
FL/GL - Labor	CON.500	39,125				39,125	
FL/GL - Supervision	CON.505	23,625				23,625	
Survey	CON.515	2,750				2,750	
Contingency	CON.220	159,750	PCOM.220		0	512,750	
Contingency	CON.221	12,500				12,500	
Total Intangible Cost		762,000			366,600	8,837,600	
Conductor Pipe						7,000	
Water String						16,000	
Surface Casing						38,000	
Intermediate Casing 1						307,000	
Production Casing or Liner						395,000	
Tubing			PCOMT.105		0	43,000	
Wellhead, Tree, Chokes			PCOMT.120	Welded Hairpin	10,000	104,000	
Packer, Nipples			PCOMT.400		0	28,000	
PUMPS	CONT.385	27,625				27,625	
WALKOVERS	CONT.390	15,000				15,000	
Downhole Lift Equipment			PCOMT.410		0	80,000	
N/C Lease Equipment	CONT.400	217,750				217,750	
Tanks, Tanks Steps, Stairs	CONT.405	103,000				103,000	
Battery Equipment	CONT.410	355,375				355,375	
Secondary Containments	CONT.415	51,875				51,875	
Overhead Power Distribution	CONT.420	85,625				85,625	
Facility Electrical	CONT.425	78,125				78,125	
Telecommunication Equipment	CONT.426	1,250				1,250	
Meters and Metering Equipment	CONT.445	37,125				37,125	
Facility Line Pipe	CONT.450	45,500				45,500	
Lease Automation Materials	CONT.455	78,125				78,125	
FL/GL - Materials	CONT.550	8,625				8,625	
FL/GL - Line Pipe	CONT.555	33,125				33,125	
Total Tangible Cos		1,138,125			10,000	2,156,125	
Total Estimated Cost		1,900,125			376,600	10,993,725	



Authorization For Expenditure Drilling

AFE # 26822023

Company Entity

Date Prepared
10/14/2021

Exploration Region	Well Name	Prospect	Property Number	AFE
Permian Basin	WHITE CITY 8-17-20 FED COM 18H	Carlsbad Bone Spring Prospect	300001-206.01	26822023

County, State	Location	Estimated Spud	Estimated Completion
Eddy, NM	E2E2 Sections 8, 17 and 20, Township 25 South, Range 27 East, Eddy County, NM	8/18/2022	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	Wolfcamp	DEV	25,000	8,920
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Drilling Drill 3-mile WCA

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	\$2,322,000		\$2,322,000
Completion Costs		\$6,515,600	\$6,515,600
Total Intangible Cost	\$2,322,000	\$6,515,600	\$8,837,600
Tangible	Dry Hole	After Casing Point	Completed Well Cost
Well Equipment	\$406,000	\$612,000	\$1,018,000
Lease Equipment		\$1,138,125	\$1,138,125
Total Tangible Cost	\$406,000	\$1,750,125	\$2,156,125
Total Well Cost	\$2,728,000	\$8,265,725	\$10,993,725

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.

10/14/2021

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
18H

AFE # 26822023

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
Roads & Location	DIDC.100	150,000			STIM.100	10,000	CON.100	50,500	PCOM.100	7,000	217,500
Damages	DIDC.105	30,000					CON.105	3,000			33,000
Mud/Fluids Disposal	DIDC.255	67,000			STIM.255	80,000			PCOM.255	0	147,000
Day Rate	DIDC.115	387,000	DICC.120	90,000							477,000
Misc Preparation	DIDC.120	20,000									20,000
Bits	DIDC.125	90,000	DICC.125	0	STIM.125	0			PCOM.125	0	90,000
Fuel	DIDC.135	46,000	DICC.130	0					PCOM.130	0	46,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	31,000			PCOM.135	0	36,000
Mud & Additives	DIDC.145	200,000									200,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	177,600	177,600
Surface Rentals	DIDC.150	104,000	DICC.140	0	STIM.140	175,000	CON.140	2,875	PCOM.140	60,000	341,875
Downhole Rentals	DIDC.155	79,000			STIM.145	70,000			PCOM.145	0	149,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	59,375	PCOM.150	9,500	68,875
IPC & EXTERNAL PAINTING							CON.165	21,375			21,375
Cementing & Float Equipment	DIDC.185	110,000	DICC.155	85,000							195,000
Tubular Inspections	DIDC.190	63,000	DICC.160	5,000	STIM.160	4,000			PCOM.160	0	72,000
Casing Crews	DIDC.195	10,000	DICC.165	20,000	STIM.165	0					30,000
Mechanical Labor	DIDC.200	28,000	DICC.170	10,000	STIM.170	0	CON.170	270,375	PCOM.170	0	308,375
Trucking/Transportation	DIDC.205	18,000	DICC.175	8,000	STIM.175	4,000	CON.175	29,875	PCOM.175	0	59,875
Supervision	DIDC.210	75,000	DICC.180	14,000	STIM.180	58,000	CON.180	29,625	PCOM.180	0	176,625
Trailer House/Camp/Catering	DIDC.280	43,000	DICC.255	7,000	STIM.280	30,000					80,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	77,000	CON.190	37,750	PCOM.190	0	119,750
Overhead	DIDC.225	10,000	DICC.195	5,000							15,000
MOB/DEMOB	DIDC.240	100,000									100,000
Directional Drilling Services	DIDC.245	431,000									431,000
Solids Control	DIDC.260	50,000									50,000
Well Control Equip (Snubbing Services)	DIDC.265	86,000	DICC.240	5,000	STIM.240	83,000			PCOM.240	0	174,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	250,000			PCOM.260	0	250,000
Completion Logging/Perforating/Wireline					STIM.200	346,000			PCOM.200	0	346,000
Composite Plugs					STIM.390	63,000			PCOM.390	0	63,000
Stimulation Pumping/Chemicals/Additives/Sand					STIM.210	3,162,000			PCOM.210	10,000	3,172,000
Stimulation Water/Water Transfer/Water Storage					STIM.395	358,000					358,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	72,500	132,500
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	8,000									8,000
FL/GL - ON PAD LABOR							CON.495	19,500			19,500
FL/GL - Labor							CON.500	39,125			39,125
FL/GL - Supervision							CON.505	23,625			23,625
Survey							CON.515	2,750			2,750
Contingency	DIDC.435	97,000	DICC.220	12,000	STIM.220	244,000	CON.220	159,750	PCOM.220	0	512,750
Contingency							CON.221	12,500			12,500
Total Intangible Cos		2,322,000		261,000		5,126,000		762,000		366,600	8,837,600
Conductor Pipe	DWEB.130	7,000									7,000
Water String	DWEB.135	16,000									16,000
Surface Casing	DWEB.140	38,000									38,000
Intermediate Casing 1	DWEB.145	307,000									307,000
Production Casing or Liner			DWEA.100	395,000							395,000
Tubing					STIMT.105	43,000			PCOMT.105	0	43,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Packer. Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
PUMPS							CON.385	27,625			27,625
WALKOVERS							CON.390	15,000			15,000
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
N/C Lease Equipment							CON.400	217,750			217,750
Tanks, Tanks Steps, Stairs							CON.405	103,000			103,000
Battery Equipment							CON.410	355,375			355,375
Secondary Containments							CON.415	51,875			51,875
Overhead Power Distribution							CON.420	85,625			85,625
Facility Electrical							CON.425	78,125			78,125
Telecommunication Equipment							CON.426	1,250			1,250
Meters and Metering Equipment							CON.445	37,125			37,125
Facility Line Pipe							CON.450	45,500			45,500
Lease Automation Materials							CON.455	78,125			78,125
FL/GL - Materials							CON.550	8,625			8,625
FL/GL - Line Pipe							CON.555	33,125			33,125
Total Tangible Cos		406,000		413,000		189,000		1,138,125		10,000	2,156,125
Total Estimated Cost		2,728,000		674,000		5,315,000		1,900,125		376,600	10,993,725

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
18H

AFE # 26822023

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		150,000				STIM.100	CON.100	10,000
Damages	DIDC.105		30,000						
Mud/Fluids Disposal	DIDC.255		67,000				STIM.255		80,000
Day Rate	DIDC.115	DICC.120	387,000	DICC.120		90,000			
Misc Preparation	DIDC.120		20,000						
Bits	DIDC.125	DICC.125	90,000	DICC.125	STIM.125	0	STIM.125		0
Fuel	DIDC.135	DICC.130	46,000	DICC.130		0			
Water for Drilling Rig (Not Frac Water)	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		31,000
Mud & Additives	DIDC.145		200,000						
SWD PIPED TO 3RD PARTY SWD WELL									
Surface Rentals	DIDC.150	DICC.140	104,000	DICC.140	STIM.140	0	STIM.140	CON.140	175,000
Downhole Rentals	DIDC.155		79,000				STIM.145		70,000
Flowback Labor							STIM.141		0
Automation Labor									
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	110,000	DICC.155		85,000			
Tubular Inspections	DIDC.190	DICC.160	63,000	DICC.160	STIM.160	5,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	10,000	DICC.165	STIM.165	20,000	STIM.165		0
Mechanical Labor	DIDC.200	DICC.170	28,000	DICC.170	STIM.170	10,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	18,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	75,000	DICC.180	STIM.180	14,000	STIM.180	CON.180	58,000
Trailer House/Camp/Catering	DIDC.280	DICC.255	43,000	DICC.255	STIM.280	7,000	STIM.280		30,000
Other Misc Expenses	DIDC.220	DICC.190	5,000	DICC.190	STIM.190	0	STIM.190	CON.190	77,000
Overhead	DIDC.225	DICC.195	10,000	DICC.195		5,000			
MOB/DEMOB	DIDC.240		100,000						
Directional Drilling Services	DIDC.245		431,000						
Solids Control	DIDC.260		50,000						
Well Control Equip (Snubbing Services)	DIDC.265	DICC.240	86,000	DICC.240	STIM.240	5,000	STIM.240		83,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		250,000
Completion Logging/Perforating/Wireline							STIM.200		346,000
Composite Plugs							STIM.390		63,000
Stimulation							STIM.210		3,162,000
Stimulation Water/Water Transfer/Water							STIM.395		358,000
Cimarex Owned Frac/Rental Equipment							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		8,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
Contingency	DIDC.435	DICC.220	97,000	DICC.220	STIM.220	12,000	STIM.220	CON.220	244,000
Contingency									
Total Intangible Cost			2,322,000			261,000			5,126,000
Conductor Pipe	DWEB.130		7,000						
Water String	DWEB.135		16,000						
Surface Casing	DWEB.140		38,000						
Intermediate Casing 1	DWEB.145		307,000						
Production Casing or Liner				DWEA.100		395,000			
Tubing							STIMT.105		43,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT.120		38,000
Packer, Nipples							STIMT.400		28,000
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Line Pipe									
Total Tangible Cos			406,000			413,000			189,000
Total Estimated Cost			2,728,000			674,000			5,315,000

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
18H

AFE # 26822023

Description	Production Equip			Post Completion			Total Cost
	Codes	Amount	Codes	Amount	Amount		
Roads & Location	CON.100	50,500	PCOM.100	Road Repair	7,000	217,500	
Damages	CON.105	3,000				33,000	
Mud/Fluids Disposal			PCOM.255		0	147,000	
Day Rate						477,000	
Misc Preparation						20,000	
Bits			PCOM.125		0	90,000	
Fuel			PCOM.130		0	46,000	
Water for Drilling Rig (Not Frac Water)			PCOM.135		0	36,000	
Mud & Additives						200,000	
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	4000 BWPD for 2 months to BBR @ \$0.74/bbl	177,600	177,600	
Surface Rentals	CON.140	2,875	PCOM.140	\$1,500/d for 40 days	60,000	341,875	
Downhole Rentals			PCOM.145		0	149,000	
Flowback Labor			PCOM.141	\$2,000/d for 15 days	30,000	30,000	
Automation Labor	CON.150	59,375	PCOM.150	Sand Separator Hookup	9,500	68,875	
IPC & EXTERNAL PAINTING	CON.165	21,375				21,375	
Cementing & Float Equipment						195,000	
Tubular Inspections			PCOM.160		0	72,000	
Casing Crews						30,000	
Mechanical Labor	CON.170	270,375	PCOM.170		0	308,375	
Trucking/Transportation	CON.175	29,875	PCOM.175		0	59,875	
Supervision	CON.180	29,625	PCOM.180		0	176,625	
Trailer House/Camp/Catering						80,000	
Other Misc Expenses	CON.190	37,750	PCOM.190		0	119,750	
Overhead						15,000	
MOB/DEMOB						100,000	
Directional Drilling Services						431,000	
Solids Control						50,000	
Well Control Equip (Snubbing Services)			PCOM.240		0	174,000	
Completion Rig			PCOM.115		0	21,000	
Coil Tubing Services			PCOM.260		0	250,000	
Completion Logging/Perforating/Wireline			PCOM.200		0	346,000	
Composite Plugs			PCOM.390		0	63,000	
Stimulation Pumping/Chemicals/Additives/Sand			PCOM.210	Initial Chem Install	10,000	3,172,000	
Stimulation Water/Water Transfer/Water Storage						358,000	
Cimarex Owned Frac/Rental Equipment			PCOM.305	XEC Owned Spherical Plus Iron	72,500	132,500	
Legal/Regulatory/Curative	CON.300	0				10,000	
Well Control Insurance						8,000	
FL/GL - ON PAD LABOR	CON.495	19,500				19,500	
FL/GL - Labor	CON.500	39,125				39,125	
FL/GL - Supervision	CON.505	23,625				23,625	
Survey	CON.515	2,750				2,750	
Contingency	CON.220	159,750	PCOM.220		0	512,750	
Contingency	CON.221	12,500				12,500	
Total Intangible Cost		762,000			366,600	8,837,600	
Conductor Pipe						7,000	
Water String						16,000	
Surface Casing						38,000	
Intermediate Casing 1						307,000	
Production Casing or Liner						395,000	
Tubing			PCOMT.105		0	43,000	
Wellhead, Tree, Chokes			PCOMT.120	Welded Hairpin	10,000	104,000	
Packer, Nipples			PCOMT.400		0	28,000	
PUMPS	CONT.385	27,625				27,625	
WALKOVERS	CONT.390	15,000				15,000	
Downhole Lift Equipment			PCOMT.410		0	80,000	
N/C Lease Equipment	CONT.400	217,750				217,750	
Tanks, Tanks Steps, Stairs	CONT.405	103,000				103,000	
Battery Equipment	CONT.410	355,375				355,375	
Secondary Containments	CONT.415	51,875				51,875	
Overhead Power Distribution	CONT.420	85,625				85,625	
Facility Electrical	CONT.425	78,125				78,125	
Telecommunication Equipment	CONT.426	1,250				1,250	
Meters and Metering Equipment	CONT.445	37,125				37,125	
Facility Line Pipe	CONT.450	45,500				45,500	
Lease Automation Materials	CONT.455	78,125				78,125	
FL/GL - Materials	CONT.550	8,625				8,625	
FL/GL - Line Pipe	CONT.555	33,125				33,125	
Total Tangible Cos		1,138,125			10,000	2,156,125	
Total Estimated Cost		1,900,125			376,600	10,993,725	

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Authorization For Expenditure Drilling

AFE # 26822024

Company Entity

Date Prepared
10/14/2021

Exploration Region Permian Basin	Well Name WHITE CITY 8-17-20 FED COM 20H	Prospect Carlsbad Bone Spring Prospect	Property Number 300001-209.01	AFE 26822024
County, State Eddy, NM	Location E2E2 Sections 8, 17 and 20, Township 25 South, Range 27 East, Eddy County, NM		Estimated Spud 9/20/2022	Estimated Completion
<input checked="" type="checkbox"/> New <input type="checkbox"/> Supplement <input type="checkbox"/> Revision	Formation Wolfcamp	Well Type DEV	Ttl Measured Depth 25,200	Ttl Vertical Depth 9,120

Purpose **Drill and complete well**

Description

Drilling **Drill 3-mile lower WC**

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	\$2,486,000		\$2,486,000
Completion Costs		\$6,680,600	\$6,680,600
Total Intangible Cost	\$2,486,000	\$6,680,600	\$9,166,600
Tangible	Dry Hole	After Casing Point	Completed Well Cost
Well Equipment	\$406,000	\$612,000	\$1,018,000
Lease Equipment		\$1,251,938	\$1,251,938
Total Tangible Cost	\$406,000	\$1,863,938	\$2,269,938
Total Well Cost	\$2,892,000	\$8,544,538	\$11,436,538

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.

10/14/2021

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
20H

AFE # 26822024

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
Roads & Location	DIDC.100	150,000			STIM.100	10,000	CON.100	55,550	PCOM.100	7,000	222,550
Damages	DIDC.105	30,000					CON.105	3,300			33,300
Mud/Fluids Disposal	DIDC.255	67,000			STIM.255	80,000			PCOM.255	0	147,000
Day Rate	DIDC.115	417,000	DICC.120	90,000							507,000
Misc Preparation	DIDC.120	20,000									20,000
Bits	DIDC.125	90,000	DICC.125	0	STIM.125	0			PCOM.125	0	90,000
Fuel	DIDC.135	48,000	DICC.130	0					PCOM.130	0	48,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	31,000			PCOM.135	0	36,000
Mud & Additives	DIDC.145	200,000									200,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	266,400	266,400
Surface Rentals	DIDC.150	109,000	DICC.140	0	STIM.140	175,000	CON.140	3,163	PCOM.140	60,000	347,163
Downhole Rentals	DIDC.155	80,000			STIM.145	70,000			PCOM.145	0	150,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	65,313	PCOM.150	9,500	74,813
IPC & EXTERNAL PAINTING							CON.165	23,513			23,513
Cementing & Float Equipment	DIDC.185	110,000	DICC.155	85,000							195,000
Tubular Inspections	DIDC.190	63,000	DICC.160	5,000	STIM.160	4,000			PCOM.160	0	72,000
Casing Crews	DIDC.195	10,000	DICC.165	20,000	STIM.165	0					30,000
Mechanical Labor	DIDC.200	28,000	DICC.170	10,000	STIM.170	0	CON.170	297,413	PCOM.170	0	335,413
Trucking/Transportation	DIDC.205	18,000	DICC.175	8,000	STIM.175	4,000	CON.175	32,863	PCOM.175	0	62,863
Supervision	DIDC.210	80,000	DICC.180	14,000	STIM.180	58,000	CON.180	32,588	PCOM.180	0	184,588
Trailer House/Camp/Catering	DIDC.280	46,000	DICC.255	7,000	STIM.280	30,000					83,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	77,000	CON.190	41,525	PCOM.190	0	123,525
Overhead	DIDC.225	10,000	DICC.195	5,000							15,000
MOB/DEMOB	DIDC.240	100,000									100,000
Directional Drilling Services	DIDC.245	533,000									533,000
Solids Control	DIDC.260	53,000									53,000
Well Control Equip (Snubbing Services)	DIDC.265	92,000	DICC.240	5,000	STIM.240	83,000			PCOM.240	0	180,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	250,000			PCOM.260	0	250,000
Completion Logging/Perforating/Wireline					STIM.200	346,000			PCOM.200	0	346,000
Composite Plugs					STIM.390	63,000			PCOM.390	0	63,000
Stimulation Pumping/Chemicals/Additives/Sand					STIM.210	3,162,000			PCOM.210	10,000	3,172,000
Stimulation Water/Water Transfer/Water Storage					STIM.395	358,000					358,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	72,500	132,500
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	8,000									8,000
FL/GL - ON PAD LABOR							CON.495	21,450			21,450
FL/GL - Labor							CON.500	43,038			43,038
FL/GL - Supervision							CON.505	25,988			25,988
Survey							CON.515	3,025			3,025
Contingency	DIDC.435	104,000	DICC.220	12,000	STIM.220	244,000	CON.220	175,725	PCOM.220	0	535,725
Contingency							CON.221	13,750			13,750
Total Intangible Cos		2,486,000		261,000		5,126,000		838,200		455,400	9,166,600
Conductor Pipe	DWEB.130	7,000									7,000
Water String	DWEB.135	16,000									16,000
Surface Casing	DWEB.140	38,000									38,000
Intermediate Casing 1	DWEB.145	307,000									307,000
Production Casing or Liner			DWEA.100	395,000							395,000
Tubing					STIMT.105	43,000			PCOMT.105	0	43,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
PUMPS							CON.385	30,388			30,388
WALKOVERS							CON.390	16,500			16,500
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
N/C Lease Equipment							CON.400	239,525			239,525
Tanks, Tanks Steps, Stairs							CON.405	113,300			113,300
Battery Equipment							CON.410	390,913			390,913
Secondary Containments							CON.415	57,063			57,063
Overhead Power Distribution							CON.420	94,188			94,188
Facility Electrical							CON.425	85,938			85,938
Telecommunication Equipment							CON.426	1,375			1,375
Meters and Metering Equipment							CON.445	40,838			40,838
Facility Line Pipe							CON.450	50,050			50,050
Lease Automation Materials							CON.455	85,938			85,938
FL/GL - Materials							CON.550	9,488			9,488
FL/GL - Line Pipe							CON.555	36,438			36,438
Total Tangible Cos		406,000		413,000		189,000		1,251,938		10,000	2,269,938
Total Estimated Cost		2,892,000		674,000		5,315,000		2,090,138		465,400	11,436,538

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
20H

AFE # 26822024

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		Amount
	Codes		Amount	Codes		Amount	Codes		
Roads & Location	DIDC.100		150,000				STIM.100	CON.100	10,000
Damages	DIDC.105		30,000						
Mud/Fluids Disposal	DIDC.255		67,000				STIM.255		80,000
Day Rate	DIDC.115	DICC.120	417,000	DICC.120		90,000			
Misc Preparation	DIDC.120		20,000						
Bits	DIDC.125	DICC.125	90,000	DICC.125	STIM.125	0	STIM.125		0
Fuel	DIDC.135	DICC.130	48,000	DICC.130		0			
Water for Drilling Rig (Not Frac Water)	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		31,000
Mud & Additives	DIDC.145		200,000						
SWD PIPED TO 3RD PARTY SWD WELL									
Surface Rentals	DIDC.150	DICC.140	109,000	DICC.140	STIM.140	0	STIM.140	CON.140	175,000
Downhole Rentals	DIDC.155		80,000				STIM.145		70,000
Flowback Labor							STIM.141		0
Automation Labor									
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	110,000	DICC.155		85,000			
Tubular Inspections	DIDC.190	DICC.160	63,000	DICC.160	STIM.160	5,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	10,000	DICC.165	STIM.165	20,000	STIM.165		0
Mechanical Labor	DIDC.200	DICC.170	28,000	DICC.170	STIM.170	10,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	18,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	80,000	DICC.180	STIM.180	14,000	STIM.180	CON.180	58,000
Trailer House/Camp/Catering	DIDC.280	DICC.255	46,000	DICC.255	STIM.280	7,000	STIM.280		30,000
Other Misc Expenses	DIDC.220	DICC.190	5,000	DICC.190	STIM.190	0	STIM.190	CON.190	77,000
Overhead	DIDC.225	DICC.195	10,000	DICC.195		5,000			
MOB/DEMOB	DIDC.240		100,000						
Directional Drilling Services	DIDC.245		533,000						
Solids Control	DIDC.260		53,000						
Well Control Equip (Snubbing Services)	DIDC.265	DICC.240	92,000	DICC.240	STIM.240	5,000	STIM.240		83,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		250,000
Completion Logging/Perforating/Wireline							STIM.200		346,000
Composite Plugs							STIM.390		63,000
Stimulation							STIM.210		3,162,000
Stimulation Water/Water Transfer/Water							STIM.395		358,000
Cimarex Owned Frac/Rental Equipment							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		8,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
Contingency	DIDC.435	DICC.220	104,000	DICC.220	STIM.220	12,000	STIM.220	CON.220	244,000
Contingency									
Total Intangible Cost			2,486,000			261,000			5,126,000
Conductor Pipe	DWEB.130		7,000						
Water String	DWEB.135		16,000						
Surface Casing	DWEB.140		38,000						
Intermediate Casing 1	DWEB.145		307,000						
Production Casing or Liner				DWEA.100		395,000			
Tubing							STIMT.105		43,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT.120		38,000
Packer, Nipples							STIMT.400		28,000
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Line Pipe									
Total Tangible Cos			406,000			413,000			189,000
Total Estimated Cost			2,892,000			674,000			5,315,000

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
20H

AFE # 26822024

Description	Production Equip			Post Completion			Total	
	Codes	Amount	Codes	Amount	Cost	Amount	Cost	
Roads & Location	CON.100	55,550	PCOM.100	Road Repair	7,000		222,550	
Damages	CON.105	3,300					33,300	
Mud/Fluids Disposal			PCOM.255		0		147,000	
Day Rate							507,000	
Misc Preparation							20,000	
Bits			PCOM.125		0		90,000	
Fuel			PCOM.130		0		48,000	
Water for Drilling Rig (Not Frac Water)			PCOM.135		0		36,000	
Mud & Additives							200,000	
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	6000 BWPD for 2 months to BBR @ \$0.74/bbl	266,400		266,400	
Surface Rentals	CON.140	3,163	PCOM.140	\$1,500/d for 40 days	60,000		347,163	
Downhole Rentals			PCOM.145		0		150,000	
Flowback Labor			PCOM.141	\$2,000/d for 15 days	30,000		30,000	
Automation Labor	CON.150	65,313	PCOM.150	Sand Separator Hookup	9,500		74,813	
IPC & EXTERNAL PAINTING	CON.165	23,513					23,513	
Cementing & Float Equipment							195,000	
Tubular Inspections			PCOM.160		0		72,000	
Casing Crews							30,000	
Mechanical Labor	CON.170	297,413	PCOM.170		0		335,413	
Trucking/Transportation	CON.175	32,863	PCOM.175		0		62,863	
Supervision	CON.180	32,588	PCOM.180		0		184,588	
Trailer House/Camp/Catering							83,000	
Other Misc Expenses	CON.190	41,525	PCOM.190		0		123,525	
Overhead							15,000	
MOB/DEMOB							100,000	
Directional Drilling Services							533,000	
Solids Control							53,000	
Well Control Equip (Snubbing Services)			PCOM.240		0		180,000	
Completion Rig			PCOM.115		0		21,000	
Coil Tubing Services			PCOM.260		0		250,000	
Completion Logging/Perforating/Wireline			PCOM.200		0		346,000	
Composite Plugs			PCOM.390		0		63,000	
Stimulation Pumping/Chemicals/Additives/Sand			PCOM.210	Initial Chem Install	10,000		3,172,000	
Stimulation Water/Water Transfer/Water Storage							358,000	
Cimarex Owned Frac/Rental Equipment			PCOM.305	XEC Owned Spherical Plus Iron	72,500		132,500	
Legal/Regulatory/Curative	CON.300	0					10,000	
Well Control Insurance							8,000	
FL/GL - ON PAD LABOR	CON.495	21,450					21,450	
FL/GL - Labor	CON.500	43,038					43,038	
FL/GL - Supervision	CON.505	25,988					25,988	
Survey	CON.515	3,025					3,025	
Contingency	CON.220	175,725	PCOM.220		0		535,725	
Contingency	CON.221	13,750					13,750	
Total Intangible Cost		838,200			455,400		9,166,600	
Conductor Pipe							7,000	
Water String							16,000	
Surface Casing							38,000	
Intermediate Casing 1							307,000	
Production Casing or Liner							395,000	
Tubing			PCOMT.105		0		43,000	
Wellhead, Tree, Chokes			PCOMT.120	Welded Hairpin	10,000		104,000	
Packer, Nipples			PCOMT.400		0		28,000	
PUMPS	CONT.385	30,388					30,388	
WALKOVERS	CONT.390	16,500					16,500	
Downhole Lift Equipment			PCOMT.410		0		80,000	
N/C Lease Equipment	CONT.400	239,525					239,525	
Tanks, Tanks Steps, Stairs	CONT.405	113,300					113,300	
Battery Equipment	CONT.410	390,913					390,913	
Secondary Containments	CONT.415	57,063					57,063	
Overhead Power Distribution	CONT.420	94,188					94,188	
Facility Electrical	CONT.425	85,938					85,938	
Telecommunication Equipment	CONT.426	1,375					1,375	
Meters and Metering Equipment	CONT.445	40,838					40,838	
Facility Line Pipe	CONT.450	50,050					50,050	
Lease Automation Materials	CONT.455	85,938					85,938	
FL/GL - Materials	CONT.550	9,488					9,488	
FL/GL - Line Pipe	CONT.555	36,438					36,438	
Total Tangible Cost		1,251,938			10,000		2,269,938	
Total Estimated Cost		2,090,138			465,400		11,436,538	

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Authorization For Expenditure Drilling

AFE # 26822025

Company Entity

Date Prepared
10/14/2021

Exploration Region	Well Name	Prospect	Property Number	AFE
Permian Basin	WHITE CITY 8-17-20 FED COM 21H	Carlsbad Bone Spring Prospect	300001-210.01	26822025

County, State	Location	Estimated Spud	Estimated Completion
Eddy, NM	Middle Point of the E2 Sections 8, 17 and 20, Township 25 South, Range 27 East, Eddy County, NM	10/5/2022	

<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	Wolfcamp	SW	25,200	9,120
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Drilling Drill 3-mile lower WC

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	\$2,486,000		\$2,486,000
Completion Costs		\$6,680,600	\$6,680,600
Total Intangible Cost	\$2,486,000	\$6,680,600	\$9,166,600

Tangible	Dry Hole	After Casing Point	Completed Well Cost
Well Equipment	\$406,000	\$612,000	\$1,018,000
Lease Equipment		\$1,251,938	\$1,251,938
Total Tangible Cost	\$406,000	\$1,863,938	\$2,269,938

Total Well Cost \$2,892,000 \$8,544,538 \$11,436,538

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.

10/14/2021

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
21H

AFE # 26822025

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	
Roads & Location	DIDC.100	150,000			STIM.100	10,000	CON.100	55,550	PCOM.100	7,000	222,550
Damages	DIDC.105	30,000					CON.105	3,300			33,300
Mud/Fluids Disposal	DIDC.255	67,000			STIM.255	80,000			PCOM.255	0	147,000
Day Rate	DIDC.115	417,000	DICC.120	90,000							507,000
Misc Preparation	DIDC.120	20,000									20,000
Bits	DIDC.125	90,000	DICC.125	0	STIM.125	0			PCOM.125	0	90,000
Fuel	DIDC.135	48,000	DICC.130	0					PCOM.130	0	48,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	31,000			PCOM.135	0	36,000
Mud & Additives	DIDC.145	200,000									200,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	266,400	266,400
Surface Rentals	DIDC.150	109,000	DICC.140	0	STIM.140	175,000	CON.140	3,163	PCOM.140	60,000	347,163
Downhole Rentals	DIDC.155	80,000			STIM.145	70,000			PCOM.145	0	150,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	65,313	PCOM.150	9,500	74,813
IPC & EXTERNAL PAINTING							CON.165	23,513			23,513
Cementing & Float Equipment	DIDC.185	110,000	DICC.155	85,000							195,000
Tubular Inspections	DIDC.190	63,000	DICC.160	5,000	STIM.160	4,000			PCOM.160	0	72,000
Casing Crews	DIDC.195	10,000	DICC.165	20,000	STIM.165	0					30,000
Mechanical Labor	DIDC.200	28,000	DICC.170	10,000	STIM.170	0	CON.170	297,413	PCOM.170	0	335,413
Trucking/Transportation	DIDC.205	18,000	DICC.175	8,000	STIM.175	4,000	CON.175	32,863	PCOM.175	0	62,863
Supervision	DIDC.210	80,000	DICC.180	14,000	STIM.180	58,000	CON.180	32,588	PCOM.180	0	184,588
Trailer House/Camp/Catering	DIDC.280	46,000	DICC.255	7,000	STIM.280	30,000					83,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	77,000	CON.190	41,525	PCOM.190	0	123,525
Overhead	DIDC.225	10,000	DICC.195	5,000							15,000
MOB/DEMOB	DIDC.240	100,000									100,000
Directional Drilling Services	DIDC.245	533,000									533,000
Solids Control	DIDC.260	53,000									53,000
Well Control Equip (Snubbing Services)	DIDC.265	92,000	DICC.240	5,000	STIM.240	83,000			PCOM.240	0	180,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	250,000			PCOM.260	0	250,000
Completion Logging/Perforating/Wireline					STIM.200	346,000			PCOM.200	0	346,000
Composite Plugs					STIM.390	63,000			PCOM.390	0	63,000
Stimulation Pumping/Chemicals/Additives/Sand					STIM.210	3,162,000			PCOM.210	10,000	3,172,000
Stimulation Water/Water Transfer/Water Storage					STIM.395	358,000					358,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	72,500	132,500
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	8,000									8,000
FL/GL - ON PAD LABOR							CON.495	21,450			21,450
FL/GL - Labor							CON.500	43,038			43,038
FL/GL - Supervision							CON.505	25,988			25,988
Survey							CON.515	3,025			3,025
Contingency	DIDC.435	104,000	DICC.220	12,000	STIM.220	244,000	CON.220	175,725	PCOM.220	0	535,725
Contingency							CON.221	13,750			13,750
Total Intangible Cos		2,486,000		261,000		5,126,000		838,200		455,400	9,166,600
Conductor Pipe	DWEB.130	7,000									7,000
Water String	DWEB.135	16,000									16,000
Surface Casing	DWEB.140	38,000									38,000
Intermediate Casing 1	DWEB.145	307,000									307,000
Production Casing or Liner			DWEA.100	395,000							395,000
Tubing					STIMT.105	43,000			PCOMT.105	0	43,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
PUMPS							CON.385	30,388			30,388
WALKOVERS							CON.390	16,500			16,500
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
N/C Lease Equipment							CON.400	239,525			239,525
Tanks, Tanks Steps, Stairs							CON.405	113,300			113,300
Battery Equipment							CON.410	390,913			390,913
Secondary Containments							CON.415	57,063			57,063
Overhead Power Distribution							CON.420	94,188			94,188
Facility Electrical							CON.425	85,938			85,938
Telecommunication Equipment							CON.426	1,375			1,375
Meters and Metering Equipment							CON.445	40,838			40,838
Facility Line Pipe							CON.450	50,050			50,050
Lease Automation Materials							CON.455	85,938			85,938
FL/GL - Materials							CON.550	9,488			9,488
FL/GL - Line Pipe							CON.555	36,438			36,438
Total Tangible Cos		406,000		413,000		189,000		1,251,938		10,000	2,269,938
Total Estimated Cost		2,892,000		674,000		5,315,000		2,090,138		465,400	11,436,538

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
21H

AFE # 26822025

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		
	Codes		Amount	Codes		Amount	Codes		Amount
Roads & Location	DIDC.100		150,000				STIM.100	CON.100	10,000
Damages	DIDC.105		30,000						
Mud/Fluids Disposal	DIDC.255		67,000				STIM.255		80,000
Day Rate	DIDC.115	DICC.120	417,000	DICC.120		90,000			
Misc Preparation	DIDC.120		20,000						
Bits	DIDC.125	DICC.125	90,000	DICC.125	STIM.125	0	STIM.125		0
Fuel	DIDC.135	DICC.130	48,000	DICC.130		0			
Water for Drilling Rig (Not Frac Water)	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		31,000
Mud & Additives	DIDC.145		200,000						
SWD PIPED TO 3RD PARTY SWD WELL									
Surface Rentals	DIDC.150	DICC.140	109,000	DICC.140	STIM.140	0	STIM.140	CON.140	175,000
Downhole Rentals	DIDC.155		80,000				STIM.145		70,000
Flowback Labor							STIM.141		0
Automation Labor									
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	110,000	DICC.155		85,000			
Tubular Inspections	DIDC.190	DICC.160	63,000	DICC.160	STIM.160	5,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	10,000	DICC.165	STIM.165	20,000	STIM.165		0
Mechanical Labor	DIDC.200	DICC.170	28,000	DICC.170	STIM.170	10,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	18,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	80,000	DICC.180	STIM.180	14,000	STIM.180	CON.180	58,000
Trailer House/Camp/Catering	DIDC.280	DICC.255	46,000	DICC.255	STIM.280	7,000	STIM.280		30,000
Other Misc Expenses	DIDC.220	DICC.190	5,000	DICC.190	STIM.190	0	STIM.190	CON.190	77,000
Overhead	DIDC.225	DICC.195	10,000	DICC.195		5,000			
MOB/DEMOB	DIDC.240		100,000						
Directional Drilling Services	DIDC.245		533,000						
Solids Control	DIDC.260		53,000						
Well Control Equip (Snubbing Services)	DIDC.265	DICC.240	92,000	DICC.240	STIM.240	5,000	STIM.240		83,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		250,000
Completion Logging/Perforating/Wireline							STIM.200		346,000
Composite Plugs							STIM.390		63,000
Stimulation							STIM.210		3,162,000
Stimulation Water/Water Transfer/Water							STIM.395		358,000
Cimarex Owned Frac/Rental Equipment							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		8,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
Contingency	DIDC.435	DICC.220	104,000	DICC.220	STIM.220	12,000	STIM.220	CON.220	244,000
Contingency									
Total Intangible Cost			2,486,000			261,000			5,126,000
Conductor Pipe	DWEB.130		7,000						
Water String	DWEB.135		16,000						
Surface Casing	DWEB.140		38,000						
Intermediate Casing 1	DWEB.145		307,000						
Production Casing or Liner				DWEA.100		395,000			
Tubing							STIMT.105		43,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT.120		38,000
Packer, Nipples							STIMT.400		28,000
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Line Pipe									
Total Tangible Cos			406,000			413,000			189,000
Total Estimated Cost			2,892,000			674,000			5,315,000

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
21H

AFE # 26822025

Description	Production Equip			Post Completion			Total
	Codes	Amount	Codes	Amount	Cost		
Roads & Location	CON.100	55,550	PCOM.100	Road Repair	7,000	222,550	
Damages	CON.105	3,300				33,300	
Mud/Fluids Disposal			PCOM.255		0	147,000	
Day Rate						507,000	
Misc Preparation						20,000	
Bits			PCOM.125		0	90,000	
Fuel			PCOM.130		0	48,000	
Water for Drilling Rig (Not Frac Water)			PCOM.135		0	36,000	
Mud & Additives						200,000	
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	6000 BWPd for 2 months to BBR @ \$0.74/bbl	266,400	266,400	
Surface Rentals	CON.140	3,163	PCOM.140	\$1,500/d for 40 days	60,000	347,163	
Downhole Rentals			PCOM.145		0	150,000	
Flowback Labor			PCOM.141	\$2,000/d for 15 days	30,000	30,000	
Automation Labor	CON.150	65,313	PCOM.150	Sand Separator Hookup	9,500	74,813	
IPC & EXTERNAL PAINTING	CON.165	23,513				23,513	
Cementing & Float Equipment						195,000	
Tubular Inspections			PCOM.160		0	72,000	
Casing Crews						30,000	
Mechanical Labor	CON.170	297,413	PCOM.170		0	335,413	
Trucking/Transportation	CON.175	32,863	PCOM.175		0	62,863	
Supervision	CON.180	32,588	PCOM.180		0	184,588	
Trailer House/Camp/Catering						83,000	
Other Misc Expenses	CON.190	41,525	PCOM.190		0	123,525	
Overhead						15,000	
MOB/DEMOB						100,000	
Directional Drilling Services						533,000	
Solids Control						53,000	
Well Control Equip (Snubbing Services)			PCOM.240		0	180,000	
Completion Rig			PCOM.115		0	21,000	
Coil Tubing Services			PCOM.260		0	250,000	
Completion Logging/Perforating/Wireline			PCOM.200		0	346,000	
Composite Plugs			PCOM.390		0	63,000	
Stimulation Pumping/Chemicals/Additives/Sand			PCOM.210	Initial Chem Install	10,000	3,172,000	
Stimulation Water/Water Transfer/Water Storage						358,000	
Cimarex Owned Frac/Rental Equipment			PCOM.305	XEC Owned Spherical Plus Iron	72,500	132,500	
Legal/Regulatory/Curative	CON.300	0				10,000	
Well Control Insurance						8,000	
FL/GL - ON PAD LABOR	CON.495	21,450				21,450	
FL/GL - Labor	CON.500	43,038				43,038	
FL/GL - Supervision	CON.505	25,988				25,988	
Survey	CON.515	3,025				3,025	
Contingency	CON.220	175,725	PCOM.220		0	535,725	
Contingency	CON.221	13,750				13,750	
Total Intangible Cost		838,200			455,400	9,166,600	
Conductor Pipe						7,000	
Water String						16,000	
Surface Casing						38,000	
Intermediate Casing 1						307,000	
Production Casing or Liner						395,000	
Tubing			PCOMT.105		0	43,000	
Wellhead, Tree, Chokes			PCOMT.120	Welded Hairpin	10,000	104,000	
Packer, Nipples			PCOMT.400		0	28,000	
PUMPS	CONT.385	30,388				30,388	
WALKOVERS	CONT.390	16,500				16,500	
Downhole Lift Equipment			PCOMT.410		0	80,000	
N/C Lease Equipment	CONT.400	239,525				239,525	
Tanks, Tanks Steps, Stairs	CONT.405	113,300				113,300	
Battery Equipment	CONT.410	390,913				390,913	
Secondary Containments	CONT.415	57,063				57,063	
Overhead Power Distribution	CONT.420	94,188				94,188	
Facility Electrical	CONT.425	85,938				85,938	
Telecommunication Equipment	CONT.426	1,375				1,375	
Meters and Metering Equipment	CONT.445	40,838				40,838	
Facility Line Pipe	CONT.450	50,050				50,050	
Lease Automation Materials	CONT.455	85,938				85,938	
FL/GL - Materials	CONT.550	9,488				9,488	
FL/GL - Line Pipe	CONT.555	36,438				36,438	
Total Tangible Cost		1,251,938			10,000	2,269,938	
Total Estimated Cost		2,090,138			465,400	11,436,538	

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Authorization For Expenditure Drilling

AFE # 26822026

Company Entity

Date Prepared
10/14/2021

Exploration Region	Well Name	Prospect	Property Number	AFE
Permian Basin	WHITE CITY 8-17-20 FED COM 22H	Carlsbad Bone Spring Prospect	300001-211.01	26822026
County, State	Location		Estimated Spud	Estimated Completion
Eddy, NM	Middle Point of Sections 8, 17 and 20, Township 25 South, Range 27 East, Eddy County, NM		10/19/2022	
<input checked="" type="checkbox"/> New	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
<input type="checkbox"/> Supplement	Wolfcamp	DEV	25,200	9,120
<input type="checkbox"/> Revision				

Purpose Drill and complete well

Description

Drilling Drill 3-mile lower WC

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	\$2,486,000		\$2,486,000
Completion Costs		\$6,680,600	\$6,680,600
Total Intangible Cost	\$2,486,000	\$6,680,600	\$9,166,600
Tangible	Dry Hole	After Casing Point	Completed Well Cost
Well Equipment	\$406,000	\$612,000	\$1,018,000
Lease Equipment		\$1,251,938	\$1,251,938
Total Tangible Cost	\$406,000	\$1,863,938	\$2,269,938
Total Well Cost	\$2,892,000	\$8,544,538	\$11,436,538

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.

10/14/2021

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM

AFE # 26822026

22H

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	150,000			STIM.100	10,000	CON.100	55,550	PCOM.100	7,000	222,550
Damages	DIDC.105	30,000					CON.105	3,300			33,300
Mud/Fluids Disposal	DIDC.255	67,000			STIM.255	80,000			PCOM.255	0	147,000
Day Rate	DIDC.115	417,000	DICC.120	90,000							507,000
Misc Preparation	DIDC.120	20,000									20,000
Bits	DIDC.125	90,000	DICC.125	0	STIM.125	0			PCOM.125	0	90,000
Fuel	DIDC.135	48,000	DICC.130	0					PCOM.130	0	48,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	31,000			PCOM.135	0	36,000
Mud & Additives	DIDC.145	200,000									200,000
SWD PIPED TO 3RD PARTY SWD WELL									PCOM.257	266,400	266,400
Surface Rentals	DIDC.150	109,000	DICC.140	0	STIM.140	175,000	CON.140	3,163	PCOM.140	60,000	347,163
Downhole Rentals	DIDC.155	80,000			STIM.145	70,000			PCOM.145	0	150,000
Flowback Labor					STIM.141	0			PCOM.141	30,000	30,000
Automation Labor							CON.150	65,313	PCOM.150	9,500	74,813
IPC & EXTERNAL PAINTING							CON.165	23,513			23,513
Cementing & Float Equipment	DIDC.185	110,000	DICC.155	85,000							195,000
Tubular Inspections	DIDC.190	63,000	DICC.160	5,000	STIM.160	4,000			PCOM.160	0	72,000
Casing Crews	DIDC.195	10,000	DICC.165	20,000	STIM.165	0					30,000
Mechanical Labor	DIDC.200	28,000	DICC.170	10,000	STIM.170	0	CON.170	297,413	PCOM.170	0	335,413
Trucking/Transportation	DIDC.205	18,000	DICC.175	8,000	STIM.175	4,000	CON.175	32,863	PCOM.175	0	62,863
Supervision	DIDC.210	80,000	DICC.180	14,000	STIM.180	58,000	CON.180	32,588	PCOM.180	0	184,588
Trailer House/Camp/Catering	DIDC.280	46,000	DICC.255	7,000	STIM.280	30,000					83,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	77,000	CON.190	41,525	PCOM.190	0	123,525
Overhead	DIDC.225	10,000	DICC.195	5,000							15,000
MOB/DEMOB	DIDC.240	100,000									100,000
Directional Drilling Services	DIDC.245	533,000									533,000
Solids Control	DIDC.260	53,000									53,000
Well Control Equip (Snubbing Services)	DIDC.265	92,000	DICC.240	5,000	STIM.240	83,000			PCOM.240	0	180,000
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	250,000			PCOM.260	0	250,000
Completion Logging/Perforating/Wireline					STIM.200	346,000			PCOM.200	0	346,000
Composite Plugs					STIM.390	63,000			PCOM.390	0	63,000
Stimulation Pumping/Chemicals/Additives/Sand					STIM.210	3,162,000			PCOM.210	10,000	3,172,000
Stimulation Water/Water Transfer/Water Storage					STIM.395	358,000					358,000
Cimarex Owned Frac/Rental Equipment					STIM.305	60,000			PCOM.305	72,500	132,500
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	8,000									8,000
FL/GL - ON PAD LABOR							CON.495	21,450			21,450
FL/GL - Labor							CON.500	43,038			43,038
FL/GL - Supervision							CON.505	25,988			25,988
Survey							CON.515	3,025			3,025
Contingency	DIDC.435	104,000	DICC.220	12,000	STIM.220	244,000	CON.220	175,725	PCOM.220	0	535,725
Contingency							CON.221	13,750			13,750
Total Intangible Cos		2,486,000		261,000		5,126,000		838,200		455,400	9,166,600
Conductor Pipe	DWEB.130	7,000									7,000
Water String	DWEB.135	16,000									16,000
Surface Casing	DWEB.140	38,000									38,000
Intermediate Casing 1	DWEB.145	307,000									307,000
Production Casing or Liner			DWEA.100	395,000							395,000
Tubing					STIMT.105	43,000			PCOMT.105	0	43,000
Wellhead, Tree, Chokes	DWEB.115	38,000	DWEA.120	18,000	STIMT.120	38,000			PCOMT.120	10,000	104,000
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
PUMPS							CONT.385	30,388			30,388
WALKOVERS							CONT.390	16,500			16,500
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
N/C Lease Equipment							CONT.400	239,525			239,525
Tanks, Tanks Steps, Stairs							CONT.405	113,300			113,300
Battery Equipment							CONT.410	390,913			390,913
Secondary Containments							CONT.415	57,063			57,063
Overhead Power Distribution							CONT.420	94,188			94,188
Facility Electrical							CONT.425	85,938			85,938
Telecommunication Equipment							CONT.426	1,375			1,375
Meters and Metering Equipment							CONT.445	40,838			40,838
Facility Line Pipe							CONT.450	50,050			50,050
Lease Automation Materials							CONT.455	85,938			85,938
FL/GL - Materials							CONT.550	9,488			9,488
FL/GL - Line Pipe							CONT.555	36,438			36,438
Total Tangible Cos		406,000		413,000		189,000		1,251,938		10,000	2,269,938
Total Estimated Cost		2,892,000		674,000		5,315,000		2,090,138		465,400	11,436,538

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
22H

AFE # 26822026

Description	BCP - Drilling			ACP - Drilling			Comp/Stim		Amount
	Codes		Amount	Codes		Amount	Codes		
Roads & Location	DIDC.100		150,000				STIM.100	CON.100	10,000
Damages	DIDC.105		30,000						
Mud/Fluids Disposal	DIDC.255		67,000				STIM.255		80,000
Day Rate	DIDC.115	DICC.120	417,000	DICC.120		90,000			
Misc Preparation	DIDC.120		20,000						
Bits	DIDC.125	DICC.125	90,000	DICC.125	STIM.125	0	STIM.125		0
Fuel	DIDC.135	DICC.130	48,000	DICC.130		0			
Water for Drilling Rig (Not Frac Water)	DIDC.140	DICC.135	5,000	DICC.135	STIM.135	0	STIM.135		31,000
Mud & Additives	DIDC.145		200,000						
SWD PIPED TO 3RD PARTY SWD WELL									
Surface Rentals	DIDC.150	DICC.140	109,000	DICC.140	STIM.140	0	STIM.140	CON.140	175,000
Downhole Rentals	DIDC.155		80,000				STIM.145		70,000
Flowback Labor							STIM.141		0
Automation Labor									
IPC & EXTERNAL PAINTING									
Cementing & Float Equipment	DIDC.185	DICC.155	110,000	DICC.155		85,000			
Tubular Inspections	DIDC.190	DICC.160	63,000	DICC.160	STIM.160	5,000	STIM.160		4,000
Casing Crews	DIDC.195	DICC.165	10,000	DICC.165	STIM.165	20,000	STIM.165		0
Mechanical Labor	DIDC.200	DICC.170	28,000	DICC.170	STIM.170	10,000	STIM.170	CON.170	0
Trucking/Transportation	DIDC.205	DICC.175	18,000	DICC.175	STIM.175	8,000	STIM.175	CON.175	4,000
Supervision	DIDC.210	DICC.180	80,000	DICC.180	STIM.180	14,000	STIM.180	CON.180	58,000
Trailer House/Camp/Catering	DIDC.280	DICC.255	46,000	DICC.255	STIM.280	7,000	STIM.280		30,000
Other Misc Expenses	DIDC.220	DICC.190	5,000	DICC.190	STIM.190	0	STIM.190	CON.190	77,000
Overhead	DIDC.225	DICC.195	10,000	DICC.195		5,000			
MOB/DEMOB	DIDC.240		100,000						
Directional Drilling Services	DIDC.245		533,000						
Solids Control	DIDC.260		53,000						
Well Control Equip (Snubbing Services)	DIDC.265	DICC.240	92,000	DICC.240	STIM.240	5,000	STIM.240		83,000
Completion Rig							STIM.115		21,000
Coil Tubing Services							STIM.260		250,000
Completion Logging/Perforating/Wireline							STIM.200		346,000
Composite Plugs							STIM.390		63,000
Stimulation							STIM.210		3,162,000
Stimulation Water/Water Transfer/Water							STIM.395		358,000
Cimarex Owned Frac/Rental Equipment							STIM.305		60,000
Legal/Regulatory/Curative	DIDC.300		10,000						
Well Control Insurance	DIDC.285		8,000						
FL/GL - ON PAD LABOR									
FL/GL - Labor									
FL/GL - Supervision									
Survey									
Contingency	DIDC.435	DICC.220	104,000	DICC.220	STIM.220	12,000	STIM.220	CON.220	244,000
Contingency									
Total Intangible Cost			2,486,000			261,000			5,126,000
Conductor Pipe	DWEB.130		7,000						
Water String	DWEB.135		16,000						
Surface Casing	DWEB.140		38,000						
Intermediate Casing 1	DWEB.145		307,000						
Production Casing or Liner				DWEA.100		395,000			
Tubing							STIMT.105		43,000
Wellhead, Tree, Chokes	DWEB.115	DWEA.120	38,000	DWEA.120	STIMT.120	18,000	STIMT.120		38,000
Packer, Nipples							STIMT.400		28,000
PUMPS									
WALKOVERS									
Downhole Lift Equipment							STIMT.410		80,000
N/C Lease Equipment									
Tanks, Tanks Steps, Stairs									
Battery Equipment									
Secondary Containments									
Overhead Power Distribution									
Facility Electrical									
Telecommunication Equipment									
Meters and Metering Equipment									
Facility Line Pipe									
Lease Automation Materials									
FL/GL - Materials									
FL/GL - Line Pipe									
Total Tangible Cos			406,000			413,000			189,000
Total Estimated Cost			2,892,000			674,000			5,315,000

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Authorization For Expenditure - WHITE CITY 8-17-20 FED COM
22H

AFE # 26822026

Description	Production Equip			Post Completion			Total	
	Codes	Amount	Codes	Amount	Amount	Cost		
Roads & Location	CON.100	55,550	PCOM.100	Road Repair	7,000	222,550		
Damages	CON.105	3,300				33,300		
Mud/Fluids Disposal			PCOM.255		0	147,000		
Day Rate						507,000		
Misc Preparation						20,000		
Bits			PCOM.125		0	90,000		
Fuel			PCOM.130		0	48,000		
Water for Drilling Rig (Not Frac Water)			PCOM.135		0	36,000		
Mud & Additives						200,000		
SWD PIPED TO 3RD PARTY SWD WELL			PCOM.257	6000 BWPD for 2 months to BBR @ \$0.74/bbl	266,400	266,400		
Surface Rentals	CON.140	3,163	PCOM.140	\$1,500/d for 40 days	60,000	347,163		
Downhole Rentals			PCOM.145		0	150,000		
Flowback Labor			PCOM.141	\$2,000/d for 15 days	30,000	30,000		
Automation Labor	CON.150	65,313	PCOM.150	Sand Separator Hookup	9,500	74,813		
IPC & EXTERNAL PAINTING	CON.165	23,513				23,513		
Cementing & Float Equipment						195,000		
Tubular Inspections			PCOM.160		0	72,000		
Casing Crews						30,000		
Mechanical Labor	CON.170	297,413	PCOM.170		0	335,413		
Trucking/Transportation	CON.175	32,863	PCOM.175		0	62,863		
Supervision	CON.180	32,588	PCOM.180		0	184,588		
Trailer House/Camp/Catering						83,000		
Other Misc Expenses	CON.190	41,525	PCOM.190		0	123,525		
Overhead						15,000		
MOB/DEMOB						100,000		
Directional Drilling Services						533,000		
Solids Control						53,000		
Well Control Equip (Snubbing Services)			PCOM.240		0	180,000		
Completion Rig			PCOM.115		0	21,000		
Coil Tubing Services			PCOM.260		0	250,000		
Completion Logging/Perforating/Wireline			PCOM.200		0	346,000		
Composite Plugs			PCOM.390		0	63,000		
Stimulation Pumping/Chemicals/Additives/Sand			PCOM.210	Initial Chem Install	10,000	3,172,000		
Stimulation Water/Water Transfer/Water Storage						358,000		
Cimarex Owned Frac/Rental Equipment			PCOM.305	XEC Owned Spherical Plus Iron	72,500	132,500		
Legal/Regulatory/Curative	CON.300	0				10,000		
Well Control Insurance						8,000		
FL/GL - ON PAD LABOR	CON.495	21,450				21,450		
FL/GL - Labor	CON.500	43,038				43,038		
FL/GL - Supervision	CON.505	25,988				25,988		
Survey	CON.515	3,025				3,025		
Contingency	CON.220	175,725	PCOM.220		0	535,725		
Contingency	CON.221	13,750				13,750		
Total Intangible Cost		838,200			455,400	9,166,600		
Conductor Pipe						7,000		
Water String						16,000		
Surface Casing						38,000		
Intermediate Casing 1						307,000		
Production Casing or Liner						395,000		
Tubing			PCOMT.105		0	43,000		
Wellhead, Tree, Chokes			PCOMT.120	Welded Hairpin	10,000	104,000		
Packer, Nipples			PCOMT.400		0	28,000		
PUMPS	CONT.385	30,388				30,388		
WALKOVERS	CONT.390	16,500				16,500		
Downhole Lift Equipment			PCOMT.410		0	80,000		
N/C Lease Equipment	CONT.400	239,525				239,525		
Tanks, Tanks Steps, Stairs	CONT.405	113,300				113,300		
Battery Equipment	CONT.410	390,913				390,913		
Secondary Containments	CONT.415	57,063				57,063		
Overhead Power Distribution	CONT.420	94,188				94,188		
Facility Electrical	CONT.425	85,938				85,938		
Telecommunication Equipment	CONT.426	1,375				1,375		
Meters and Metering Equipment	CONT.445	40,838				40,838		
Facility Line Pipe	CONT.450	50,050				50,050		
Lease Automation Materials	CONT.455	85,938				85,938		
FL/GL - Materials	CONT.550	9,488				9,488		
FL/GL - Line Pipe	CONT.555	36,438				36,438		
Total Tangible Cos		1,251,938			10,000	2,269,938		
Total Estimated Cost		2,090,138			465,400	11,436,538		

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