



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

12/08/2022

Operator Name CIMAREX ENERGY COMPANY	Well Name KLEIN 33 FEDERAL COM	Well Number 11H	US Well Number 3001546437
SHL SWNW Sec 33 26S 27E	County EDDY	State NM	Lease Number(s) NMNM117116, NMNM117116
Well Type CONVENTIONAL GAS WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name KLEIN 33 FEDERAL COM	Well Pad Number 10H-14H	ID 10400042333

Section 1 - General

Well Completion Report Id:	Submission Date: 02-01-2022	
BLM Office: Carlsbad Field Office	User: KANICIA SCHLICHTING	Title: Regulatory Analyst
Federal/Indian: FEDERAL	Lease Number: NMNM117116	Lease Acres: 1364.69
Agreement in place?: NO	Federal or Indian Agreement:	
Agreement Number:	Agreement Name:	
Keep this Well Completion Report confidential?:		
APD Operator: CIMAREX ENERGY COMPANY		

Section 2 - Well

Field/Pool or Exploratory:	Pool Name: Wolfcamp	Field Name: WILDCAT
Well Type: CONVENTIONAL GAS		
Spud Date: 01-18-2020		
Date Total Measured Depth Reached: 02-02-2020		
Drill & Abandon or Ready To Produce: READY TO		
Well Class: HORIZONTAL		

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
RUSTLER	ANHYDRITE, DOLOMITE		3213	1001	1001	USEABLE WATER	
TOP SALT	SALT		1860	1341	1341	NONE	

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Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
BOTTOM SALT	SALT		1251	1962	1962	NONE	
BASE OF SALT	SALT		1080	4925	4925	NONE	
BRUSHY CANYON LOWER	SANDSTONE		-2328	5541	5541	NATURAL GAS, OIL	
BONE SPRING	SANDSTONE		-2569	5782	5782	NATURAL GAS, OIL	
BONE SPRING A ZONE	SHALE		-2676	5889	5889	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		83	6048	6048	NONE	
BONE SPRING C ZONE	SHALE		-3115	6328	6328	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE		-3455	6668	6668	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE		-4067	7280	7280	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-1077	7525	7525	NATURAL GAS, OIL	
BONE SPRING 3RD	SANDSTONE		-5256	8469	8469	NATURAL GAS, OIL	
WOLFCAMP	SHALE		-5591	8800	8800	NATURAL GAS, OIL	

Completion and Completed

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Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM117116	NMNM117116	NEW		PGW	10-06-2020	10-04-2020	WOLFCA MP	9037	15705	Y	.42	961	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	310002	1619874	Total Proppant 16,198,745

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1	45.6		GAS LIFT		SOLD	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
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Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	10/18/2020	24	794	1134	4294	1428		713		513

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.000374	-104.188665	3213	FEDERAL	NMNM117116			131	FSL	750	FEL	26S	27E	33	SWNW
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0023619	-104.1873269	-5292	FEDERAL	NMNM117116			81	FSL	334	FEL	26S	27E	33	SENE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.00579	-104.187347	-5663	FEDERAL	NMNM114350			0	FSL	339	FEL	26S	27E	28	SESE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.000921	-104.18731	-5663	FEDERAL	NMNM117116			330	FSL	330	FEL	26S	27E	33	SENE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.01945	-104.187451	-5697	FEDERAL	NMNM114350			330	FNL	330	FEL	26S	27E	28	NENE

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	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.019588	-104.187452	-5697	FEDERAL	NMNM 114350				280	FNL	330	FEL	26S	27E	28	NENE

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	414	13.375	48	J-55		ST&C		
00	INTERMEDIATE	12.25	0	2072	9.625	36	J-55		ST&C		
00	PRODUCTION	8.25	0	15749	5.5	20	P-110		LT&C		

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Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		Class C	480	1.33	0	Class C	0	1.34	0	113.7
00	INTERMEDIATE		35:65 (Poz:C)	755	1.67	0	Class C	184	1.33	0	268.1
00	PRODUCTION		Tuned Light	930	3.53	0	50:50 (Poz:H)	2020	1.12	0	987.6

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		8537		6	L-80			

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	YES	NO	NO	YES	NO	NO

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Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: CIMAREX ENERGY COMPANY**Signed By:** KANICIA SCHLICHTING**Title:** Regulatory Analyst**Signed on:** 02/01/2022**Street Address:** 600 N MARIENFELD ST SUITE 600**City:** MIDLAND**State:** TX**Zip:** 79701**Phone:** (432)571-7894**Email address:** KANICIA.SCHLICHTING@COTERRA.COM**Field****Representative Name:****Street Address:****City:****State:****Zip:****Phone:****Extension:****Email address:****Attachments**

Klein_33_Federal_Com_11H_5in_MD_Log_20211019135345.pdf

Klein_33_Federal_Com_11H___Final_Surveys_20211019135417.pdf

Klein_33_Federal_Com_11H_5in_MD_Log_20220201132034.pdf

KLEIN_33_FEDERAL_COM_10H___11H___12H___REV_1_27_22_20220201132048.pdf

Klein_33_Federal_Com_11H___Final_Surveys_20220201132104.pdf

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Attachments

Klein_33_Federal_Com_11H_5in_MD_Log_20211019135345.pdf

Klein_33_Federal_Com_11H___Final_Surveys_20211019135417.pdf

Klein_33_Federal_Com_11H_5in_MD_Log_20220201132034.pdf

KLEIN_33_FEDERAL_COM_10H__11H__12H__REV_1_27_22_20220201132048.pdf

Klein_33_Federal_Com_11H___Final_Surveys_20220201132104.pdf

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 165175

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 165175
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
<input type="checkbox"/>	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	2/20/2025