

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N French Dr, Hobbs, NM 88249 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd, Aztec, NM 87410 District IV 1220 S St Francis Dr, Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources RECEIVED Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 SEP 17 2010 HOBSOCD		Form C-105 Revised June 10, 2003	
		WELL API NO. 30-005-29102		5. Indicate Type of Lease STATE ☒ FEE ☐	
		State Oil & Gas Lease No.			
WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐				7. Lease Name or Unit Agreement Name	
b. Type of Completion: NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. ☐ WELL OVER BACK RESVR ☐ OTHER ☐				Valley Forge 20 State Com	
2. Name of Operator Cimarex Energy Co. of Colorado				8 Well No. 004 H	
3. Address of Operator 600 N. Marienfeld St., Ste 600 Midland, Texas 79701				9. Pool name or Wildcat Wildcat Abo/Wolfcamp <97722>	
4 Well Location BHL @ D-20-15s-31e, 385/N & 4920/E					
SHL. Unit Letter <u>A</u> : <u>375</u> Feet From The <u>North</u> Line and <u>375</u> Feet From The <u>East</u> Line Section <u>20</u> Township <u>15S</u> Range <u>31E</u> NMPM <u> </u> County <u>Chaves</u>					
10 Date Spudded 02-19-10	11. Date T.D. Reached 03-23-10	12. Date Compl. (Ready to Prod.) 04-22-10	13 Elevations (DF& RKB, RT, GR, etc.) 4427' GR	14. Elev Casinghead	
15. Total Depth MD 13233' TVD 8707'	16 Plug Back T.D. MD 13233' TVD 8707'	17. If Multiple Compl How Many Zones?	18. Intervals Drilled By Rotary	Cable Tools	
19. Producing Interval(s), of this completion - Top, Bottom, Name 8366-13233' Abo/Wolfcamp				20 Was Directional Survey Made Yes	
21. Type Electric and Other Logs Run SDL-DSN-DLL-MGRD-BSA-GR-DSN-GR				22 Was Well Cored No	
23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB /FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	356'	17 1/2"	420 sx	
7"	26#	8465'	8 3/4"	2150 sx	
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
4 1/2"	8373'	13025'			
26. Perforation record (interval, size, and number) See Attachment...			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED		
28. PRODUCTION					
Date First Production 04-22-10		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - Baker submersible pump		Well Status (Prod. or Shut-in) Producing	
Date of Test 05-18-10	Hours Tested 24	Choke Size Open	Prod'n For Test Period	Oil - Bbl 87	Gas - MCF 267
Flow Tubing Press.	Casing Pressure 250	Calculated 24-Hour Rate 80	Oil - Bbl	Gas - MCF	Water - Bbl. 3
				Oil Gravity - API - (Corr) 38.7	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold				Test Witnessed By	
30 List Attachments					
31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief					
Signature <u>Natalie Krueger</u>		Printed Name <u>Natalie Krueger</u>		Title <u>Regulatory</u> Date <u>9/16/2010</u>	
E-mail Address <u>nkrueger@cimarex.com</u>		PETROLEUM ENGINEER SEP 23 2010			

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Cisco (Bough C)	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Canyon	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Strawn	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Atoka	T. Cliff House	T. Leadville
T. 7 Rivers	T. Miss	T. Menefee	T. Madison
T. Queen	T. Devonian	T. Point Lookout	T. Elbert
T. Grayburg	T. Silurian	T. Mancos	T. McCracken
T. San Andres	T. Montoya	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. Simpson	Base Greenhorn	T. Granite
T. Paddock	T. McKee	T. Dakota	T.
T. Blinebry	T. Ellenburger	T. Morrison	T.
T. Tubb	T. Gr. Wash	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo 8658	T. Bone Spring	T. Wingate	T.
B. Anhydrite	T. Morrow	T. Chinle	T.
T. Wolfcamp 8847	T. Rustler	T. Permian	T.
T. Penn	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, fromto.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

C-105 – Valley Forge 20 State Com No. 4
Perforation & Stimulation Record
 20-15S-31E – Chaves County, NM

Perforation record (interval, size, and number)	ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	Depth	Description
	12778-13218	171494 gal slick water, 121287# 20/40 white sand
	12298-12778	225049 gal slick water, 146374# 20/40 white sand
	11829-12298	180261 gal slick water, 153089# 20/40 white sand
	11307-11829	177037 gal slick water, 148181# 20/40 white sand
	10785-11307	186171 gal slick water, 161625# 20/40 white sand
	10319-10785	178725 gal slick water, 155818# 20/40 white sand
	9841-10319	177044 gal slick water, 156602# 20/40 white sand
	9136-9841	177315 gal slick water, 150297# 20/40 white sand
	8366-9136	177632 gal slick water, 141250# 20/40 white sand



'TOP OF GUDEON @ 8366

WELL NAME	VALLEY FORD 20 STATE COM #4		DATE	3/24/10	
SUPERVISOR	SCOTT LUCAS		TOOL HAND	VICTOR SAUCEDO	
PHONE #	575-390-2579		PHONE #	432-425-7995	
RIG #	PATRIOT #4		FIELD TICKET #	5445	
ELEVATIONS					
	GL ELEV	KB ELEV		RIG KBD	TVD
	X	X		0	0.00
CASING / OPEN/HOLE LAYOUT	OD (IN)	LANDED DEPTH	WEIGHT (LB/FT)	TOP OF (ETKB)	
CASING DESCRIPTION	7	8465.00	26	0	
WINDOW DESCRIPTION	6 1/8			0.00	
OPEN HOLE DESCRIPTION	6 1/8	13218.00	JUNCTION @	0.00	
DESCRIPTION					
PUMP OUT PLUG SHEARS @ 4576					
Liner Placement Schematic					
DOWNHOLE DESCRIPTION FROM BOTTOM UP					
BOTTOM @	DESCRIPTION		LENGTH	ID	OD
13025.00	Peak Pump-Out Circ Sub Floated w/ 3-1/2" eue box 1		0.83	2.990	4.550
13024.17	Swedgew w/ 3-1/2" eue pin x 4-1/2" LTC collar		1.01	2.990	5.030
13023.16	2 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 1-2		92.70	4.000	4.500
12930.46	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt		2.10	4.000	4.500
12928.36	Peak Rot Centralizer 4-1/2" LTC pin x collar		0.58	3.995	5.940
12927.78	Peak Hydo Pak Anchor 4-1/2" LTC box x pin 2		4.30	3.992	5.880
12923.48	4-1/2" LTC collar x 4-1/2" LTC pin 11 6# P-110 pup jt		6.09	4.000	4.500
12917.39	3 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 3-5		136.59	4.000	4.500
12780.80	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt		2.10	4.000	4.500
12778.70	Peak Rot Centralizer 4-1/2" LTC pin x collar		0.60	3.995	5.940
12778.10	Peak Iso-Pak II 4-1/2" LTC pin x pin 3		6.67	3.996	5.690
12771.43	4-1/2" LTC collar x 4-1/2" LTC collar 11 6# P-110 pup jt		6.10	4.000	4.500
12765.33	4 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 6-9		184.32	4.000	4.500
12561.01	Strata-Port III Ball Activated Frac Sleeve 2 7813" id 4		3.57	2.781	5.875
12577.44	6 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 10-15		276.32	4.000	4.500
12301.12	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt		2.10	4.000	4.500
12299.02	Peak Rot Centralizer 4-1/2" LTC pin x collar		0.60	3.995	5.940
12298.42	Peak Iso-Pak II 4-1/2" LTC pin x pin 5		6.67	3.996	5.690
12291.75	4-1/2" LTC collar x 4-1/2" LTC collar 11 6# P-110 pup jt		6.10	4.000	4.500
12285.65	2 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 16-17		88.19	4.000	4.500
12197.46	Strata-Port III Ball Activated Frac Sleeve 2 9063" id 6		3.57	2.906	5.875
12193.89	8 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 18-25		361.32	4.000	4.500
11832.67	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt		2.10	4.000	4.500
11830.47	Peak Rot Centralizer 4-1/2" LTC pin x collar		0.60	3.995	5.940
11829.87	Peak Iso-Pak II 4-1/2" LTC pin x pin 7		6.67	3.996	5.690
11823.20	4-1/2" LTC collar x 4-1/2" LTC collar 11 6# P-110 pup jt		6.10	4.000	4.500
11817.10	5 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 26-30		231.09	4.000	4.500
11566.01	Strata-Port III Ball Activated Frac Sleeve 3 0313" id 8		3.57	3.031	5.875
11582.44	6 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 31-36		272.42	4.000	4.500
11310.02	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt		2.10	4.000	4.500
11307.92	Peak Rot Centralizer 4-1/2" LTC pin x collar		0.60	3.995	5.940
11307.32	Peak Iso-Pak II 4-1/2" LTC pin x pin 9		6.67	3.996	5.690
11300.65	4-1/2" LTC collar x 4-1/2" LTC collar 11 6# P-110 pup jt		6.10	4.000	4.500
11294.55	5 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 37-41		225.47	4.000	4.500
11069.08	Strata-Port III Ball Activated Frac Sleeve 3 156" id 10		3.57	3.156	5.875
11065.51	6 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 42-47		276.90	4.000	4.500
10788.61	4-1/2" LTC pin x 4-1/2" LTC collar 11 6# P-110 pup jt		2.10	4.000	4.500
10786.51	Peak Rot Centralizer 4-1/2" LTC pin x collar		0.60	3.995	5.940
10785.91	Peak Iso-Pak II 4-1/2" LTC pin x pin 11		6.67	3.996	5.690
10779.24	4-1/2" LTC collar x 4-1/2" LTC collar 11 6# P-110 pup jt		6.10	4.000	4.500
10773.14	6 Jts 4-1/2" LTC 11 6# P-110 Casing Jt# 48-53		267.85	4.000	4.500
10505.29	Strata-Port III Ball Activated Frac Sleeve 3 281" id 12		3.57	3.281	5.875</

Total drilled
depth @ 13218

*** **CONFIDENTIAL** ***
Not To Be Disclosed Outside of Cimarex Energy Company

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