

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N French Dr., Hobbs, NM 88240 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		RECEIVED State of New Mexico Energy, Minerals and Natural Resources OCT 04 2010 Oil Conservation Division HOBBSON 1220 South St. Francis Dr. Santa Fe, NM 87505		Form C-105 Revised June 10, 2003	
		WELL API NO. 30-005-29077		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 _____ b. Type of Completion. NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. ☐ WELL OVER BACK RESVR. ☐ OTHER _____				7. Lease Name or Unit Agreement Name Ticonderoga 16 State Com	
2 Name of Operator Cimarex Energy Co. of Colorado				8 Well No. 002	
3. Address of Operator 600 N. Marienfeld St., Ste 600 Midland, Texas 79701				9. Pool name or Wildcat Wildcat Abo/Wolfcamp	
4. Well Location SHL Unit Letter <u>D</u> : <u>375</u> Feet From The <u>North</u> Line and <u>330</u> Feet From The <u>West</u> Line Section <u>16</u> Township <u>15S</u> Range <u>31E</u> NMPM County <u>Chaves</u>					
10. Date Spudded 05-09-10	11 Date T.D. Reached 06-11-10	12. Date Compl. (Ready to Prod.) 07-15-10	13. Elevations (DF& RKB, RT, GR, etc.) 4418' GR	14 Elev. Casinghead	
15 Total Depth MD 13140' TVD 8743'	16 Plug Back T.D. MD 13140' TVD 8743'	17 If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary	Cable Tools	
19. Producing Interval(s), of this completion - Top, Bottom, Name 8358-13142' Abo/Wolfcamp				20 Was Directional Survey Made Yes	
21. Type Electric and Other Logs Run Well was not logged			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#	450'	17 1/2"	440 sx, 1" w/ 151 sx	
7"	26#	8395'	8 3/4"	1760 sx	
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
4 1/2"	8258'	13050'			
26 Perforation record (interval, size, and number) See Attachment...				25. TUBING RECORD SIZE DEPTH SET PACKER SET 2 7/8" 8204'	
				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
				DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED	
28. PRODUCTION					
Date First Production 07-15-10		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - Baker submersible pump		Well Status (Prod. or Shut-in) Producing	
Date of Test 08-12-10	Hours Tested 24	Choke Size Open	Prod'n For Test Period	Oil - Bbl 28	Gas - MCF 40
Flow Tubing Press. 100	Casing Pressure 90	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl. 33
				Gas - Oil Ratio 1429	
				Oil Gravity - API - (Corr.) 38.6	
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>9/3/2010</u>
E-mail Address <u>nkrueger@cimarex.com</u>		PETROLEUM ENGINEER OCT 25 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	T. Bone Spring	T. Wingate	T.
B. Anhydrite	T. Morrow	T. Chinle	T.
T. Wolfcamp	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 – Ticonderoga 16 State Com No. 2
Perforation & Stimulation Record
16-15S-31E – Chaves County, NM

Perforation record (interval, size, and number)	ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	Depth	Description
	12608-13142	187842 bbls XL acid, 146359# 20/40 SB Excel
	12086-12608	193533 bbls XL acid, 145159# 20/40 SB Excel
	11517-12086	191519 bbls XL acid, 148040# 20/40 SB Excel
	11030-11517	183328 bbls XL acid, 149385# 20/40 SB Excel
	10505-11030	194158 bbls XL acid, 148048# 20/40 SB Excel
	9980-10505	175635 bbls XL acid, 148445# 20/40 SB Excel
	9455-9980	176183 bbls XL acid, 147790# 20/40 SB Excel
	8937-9455	177218 bbls XL acid, 148583# 20/40 SB Excel
	8358-8937	190462 bbls XL acid, 148174# 20/40 SB Excel

Peak Completion Technologies

KOP @ 8491 FT
End of Curve @ 8548'

3.656" Frac Port
Depth @ 8789'
Open with 3.750" Ball
with 2051 Psi

#8 Predator Packer
Depth @ 8937'
Set at 1892 Psi

3.531" Frac Port
Depth @ 9210'
Open with 3.625" Ball
with 2051 Psi

#7 Predator Packer
Depth @ 9455'
Set at 1892 Psi

3.406" Frac Port
Depth @ 9671'
Open with 3.500" Ball
with 2051 Psi

#6 Predator Packer
Depth @ 9980'
Set at 1892 Psi

3.281" Frac Port
Depth @ 10244'
Open with 3.375" Ball
with 2051 Psi

#5 Predator Packer
Depth @ 10505'
Set at 1892 Psi

3.156" Frac Port
Depth @ 10686'
Open with 3.250" Ball
with 2051 Psi

#4 Predator Packer
Depth @ 11030'
Set at 1892 Psi

3.031" Frac Port
Depth @ 11338'
Open with 3.125" Ball
with 2051 Psi

#3 Predator Packer
Depth @ 11517'
Set at 1892 Psi

2.906" Frac Port
Depth @ 11736'
Open with 3.000" Ball
with 2051 Psi

#2 Predator Packer
Depth @ 12086'
Set at 1892 Psi

2.781" Frac Port
Depth @ 12430'
Open with 2.875" Ball
with 2051 Psi

#1 Predator Packer
Depth @ 12608'
Set at 1892 Psi

Hydra-Pak Anchor
Depth @ 13003'
Set @ 1897 Psi

Pump Out Plug
Open with 1.25" Ball
at 4576 Psi

End of Casing @ 8395'

Bottom of Packer @ 8273'

DOWN HOLE WELL PROFILE

WELL NAME	Cimarex Energy, Ticonderoga 16 State Com #2H		DATE	6/11/10
SUPERVISOR	Sam Madrid		TOOL HAND	Ray Lollar
PHONE #	303-285-5922		PHONE #	432-425-2193
RIG #	Patriot Drilling Rig #4		FIELD TICKET #	5813
ELEVATIONS				
KB ELEV	GL ELEV	KB TO THF	KB TO SCF	RIG KBD
				19
CASING / OPEN HOLE LAYOUT	OD (IN)		LANDED DEPTH	WEIGHT (LB/FT)
CASING DESCRIPTION	7		8395.00	26
WINDOW DESCRIPTION				
OPEN HOLE DESCRIPTION	6 1/8		13143.00	JUNCTION @
				8491.00



Liner Tool Schematic

DOWNHOLE DESCRIPTION FROM BOTTOM UP (Liner String)

BOTTOM @	DESCRIPTION	LENGTH	ID	OD
13050.00	Peak 3 1/2 Pump Out Plug (3" ID when Opened)	0.85	0.75	4.50
13049.15	3 1/2 8rd Pin x 4 1/2 LTC Box Cross Over	1.02	4.00	4.50
13048.13	1 Joint 4 1/2 LTC, 11.6#, P-110 Liner (1)	42.43	4.00	4.50
13005.70	4 1/2 LTC x 2' 11.6#, P-110 Liner Sub	2.02	4.00	4.50
13003.68	7 x 4 1/2 Peak Rotational Centralizer	0.61	4.00	5.88
13003.07	7 x 4 1/2 Peak Extreme Service, Open Hole Hydra-Pak Anchor	4.91	4.00	5.88
12998.16	4 1/2 LTC x 6' 11.6#, P-110 Liner Sub	6.11	4.00	4.50
12992.05	9 Joints 4 1/2 LTC, 11.6#, P-110 Liner (2-10)	380.90	4.00	4.50
12611.15	4 1/2 LTC x 2' 11.6#, P-110 Liner Sub	2.02	4.00	4.50
12609.13	7 x 4 1/2 Peak Rotational Centralizer	0.62	4.00	5.88
12608.51	7 x 4 1/2 Peak Extreme Service, Open Hole Predator II Packer	4.02	4.00	5.69
12604.49	4 1/2 LTC x 6' 11.6#, P-110 Liner Sub	6.07	4.00	4.50
12598.42	4 Joints 4 1/2 LTC, 11.6#, P-110 Liner (11-14)	168.27	4.00	4.50
12430.15	7 x 4 1/2 Peak Gen III Strata-Port Frac Sleeve with 2.781" Seat (Open with 2.875" Ball)	3.55	2.78	5.88
12426.60	8 Joints 4 1/2 LTC, 11.6#, P-110 Liner (15-22)	337.52	4.00	4.50
12089.08	4 1/2 LTC x 2' 11.6#, P-110 Liner Sub	2.10	4.00	4.50
12086.98	7 x 4 1/2 Peak Rotational Centralizer	0.62	4.00	5.88
12086.36	7 x 4 1/2 Peak Extreme Service, Open Hole Predator II Packer	3.99	4.00	5.69
12082.37	4 1/2 LTC x 6' 11.6#, P-110 Liner Sub	6.09	4.00	4.50
12076.28	8 Joints 4 1/2 LTC, 11.6#, P-110 Liner (23-30)	339.77	4.00	4.50
11736.51	7 x 4 1/2 Peak Gen III Strata-Port Frac Sleeve with 2.906" Seat (Open with 3.000" Ball)	3.55	2.91	5.88
11732.96	5 Joints 4 1/2 LTC, 11.6#, P-110 Liner (31-35)	213.06	4.00	4.50
11519.90	4 1/2 LTC x 2' 11.6#, P-110 Liner Sub	2.06	4.00	4.50
11517.84	7 x 4 1/2 Peak Rotational Centralizer	0.61	4.00	5.88
11517.23	7 x 4 1/2 Peak Extreme Service, Open Hole Predator II Packer	3.99	4.00	5.69
11513.24	4 1/2 LTC x 6' 11.6#, P-110 Liner Sub	6.08	4.00	4.50
11507.16	4 Joints 4 1/2 LTC, 11.6#, P-110 Liner (36-39)	168.66	4.00	4.50
11338.50	7 x 4 1/2 Peak Gen III Strata-Port Frac Sleeve with 3.031" Seat (Open with 3.125" Ball)	3.55	3.03	5.88
11334.95	7 Joints 4 1/2 LTC, 11.6#, P-110 Liner (40-46)	296.22	4.00	4.50
11038.73	4 1/2 LTC x 2' 11.6#, P-110 Liner Sub	2.11	4.00	4.50
11036.62	7 x 4 1/2 Peak Rotational Centralizer	0.62	4.00	5.88
11036.00	7 x 4 1/2 Peak Extreme Service, Open Hole Predator II Packer	3.99	4.00	5.69
11032.01	4 1/2 LTC x 6' 11.6#, P-110 Liner Sub	6.05	4.00	4.50
11025.96	8 Joints 4 1/2 LTC, 11.6#, P-110 Liner (47-54)	339.92	4.00	4.50
10686.04	7 x 4 1/2 Peak Gen III Strata-Port Frac Sleeve with 3.156" Seat (Open with 3.250" Ball)	3.55	3.16	5.88
10682.49	4 Joints 4 1/2 LTC, 11.6#, P-110 Liner (55-58)	169.63	4.00	4.50
10512.86	4 1/2 LTC x 2' 11.6#, P-110 Liner Sub	2.04	4.00	4.50
10510.82	7 x 4 1/2 Peak Rotational Centralizer	0.63	4.00	5.88
10510.19	7 x 4 1/2 Peak Extreme Service, Open Hole Predator II Packer	4.01	4.00	5.69
10506.18	4 1/2 LTC x 6' 11.6#, P-110 Liner Sub	6.07	4.00	4.50
10500.11	6 Joints 4 1/2 LTC, 11.6#, P-110 Liner (59-64)	255.35	4.00	4.50
10244.76	7 x 4 1/2 Peak Gen III Strata-Port Frac Sleeve with 3.281" Seat (Open with 3.375" Ball)	3.55	3.28	5.88
10241.21	6 Joints 4 1/2 LTC, 11.6#, P-110 Liner (65-70)	253.37	4.00	4.50
9987.84	4 1/2 LTC x 2' 11.6#, P-110 Liner Sub	2.07	4.00	4.50
9985.77	7 x 4 1/2 Peak Rotational Centralizer	0.61	4.00	5.88
9985.16	7 x 4 1/2 Peak Extreme Service, Open Hole Predator II Packer	3.98	4.00	5.69
9981.18	4 1/2 LTC x 6' 11.6#, P-110 Liner Sub	6.03	4.00	4.50
9975.15	7 Joints 4 1/2 LTC, 11.6#, P-110 Liner (71-77)	303.22	4.00	4.50
9671.93	7 x 4 1/2 Peak Gen III Strata-Port Frac Sleeve with 3.406" Seat (Open with 3.500" Ball)	3.55	3.41	5.88
9668.38	5 Joints 4 1/2 LTC, 11.6#, P-110 Liner (78-82)	230.28	4.00	4.50
9438.10	4 1/2 LTC x 2' 11.6#, P-110 Liner Sub	2.19	4.00	4.50
9435.91	7 x 4 1/2 Peak Rotational Centralizer	0.62	4.00	5.88
9435.29	7 x 4 1/2 Peak Extreme Service, Open Hole Predator II Packer	4.01	4.00	5.69
9431.28	4 1/2 LTC x 6' 11.6#, P-110 Liner Sub	6.11	4.00	4.50
9425.17	5 Joints 4 1/2 LTC, 11.6#, P-110 Liner (83-87)	214.62	4.00	4.50
9210.55	7 x 4 1/2 Peak Gen III Strata-Port Frac Sleeve with 3.531" Seat (Open with 3.625" Ball)	3.55	3.53	5.88
9207.00	6 Joints 4 1/2 LTC, 11.6#, P-110 Liner (88-93)	267.20	4.00	4.50
8939.80	4 1/2 LTC x 2' 11.6#, P-110 Liner Sub	2.08	4.00	4.50
8937.72	7 x 4 1/2 Peak Rotational Centralizer	0.61	4.00	5.88
8937.11	7 x 4 1/2 Peak Extreme Service, Open Hole Predator II Packer	4.00	4.00	5.69
8933.11	4 1/2 LTC x 6' 11.6#, P-110 Liner Sub	6.10	4.00	4.50
8927.01	3 Joints 4 1/2 LTC, 11.6#, P-110 Liner (94-96)	137.93	4.00	4.50
8789.08	7 x 4 1/2 Peak Gen III Strata-Port Frac Sleeve with 3.656" Seat (Open with 3.750" Ball)	3.55	3.66	5.88
8785.53	4 1/2 LTC Pin x 4 1/2 BTC Box Cross Over	2.18	4.00	4.50
8783.35	12 Joints 4 1/2 BTC, 11.6#, P-110 Liner (1-12)	507.55	4.00	4.50
8275.80	4 1/2 BTC x 2' 11.6#, P-110 Liner Sub	2.14	4.00	4.50
8273.66	Peak 7", 26# SMP-X Casing Hanger	9.80	4.00	5.94
8263.86	Peak TLC Releasing Tool with 3-Lug Gudgeon	5.79	4.00	5.00
8258.07	TLC Adaptor with 3 1/2 IF Box	0.84	2.25	5.25
8257.23	3 1/2 IF Drill Pipe Sub	7.67	2.76	3.50
8249.56	40, 4 7/8 x 2.375" Drill Collars	1232.76	2.25	4.75
7016.80	222 Joints (74 stands) 3 1/2 13.3#, S-135 Drill Pipe	7027.40	2.76	3.50
-10.60	Stick Up	0.00	0.00	3.50

WEIGHT OF DRILL STRING	---	TOTAL STRING LENGTH	13060.60
PUSH / PULL TEST	---	STICK-UP OFF RIG FLOOR	10.60
LINER STRING WEIGHT	---	LINER BOTTOM	13050.00

Final Setting of Liner Assembly
Completed by Ray Lollar, 15-Jun-10

*** CONFIDENTIAL ***
NOT TO BE DISCLOSED OUTSIDE

Cimarex Energy

Liner TD @ 13050 FT
TOTAL MEASURED DEPTH
@ 13142 FT