

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, Santa Fe, 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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised June 10, 2003

WELL API NO.
30-025-38690

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 Caudill South 21 Fee	
b. Type of Completion: NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. WELL OVER BACK RESVR. ☐ OTHER ☐		8. Well No. 003	
2. Name of Operator Cimarex Energy Co. (215099)		9. Pool name or Wildcat Caudill; Permo Upper Pen	
3. Address of Operator PO Box 140907; Irving, TX 75014-0907			
4. Well Location SHL: Unit Letter J : 2000 Feet From The South Line and 2200 Feet From The West E Line BHL: Unit Letter G : 1700 Feet From The North S Line and 2189 Feet From The West E Line Section 21 Township 15S Range 36E NMPM County Lea			
10. Date Spudded 02-24-08	11. Date T.D. Reached 05-29-08	12. Date Compl. (Ready to Prod.) 06-17-08	13. Elevations (DF& RKB, RT, GR, etc) 3895' GR
15. Total Depth Pilot Hole 10975' MD 12057' TVD 10641'	16. Plug Back T.D. Pilot Hole 10854' MD 12057' TVD 10641'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools Cable Tools Rotary
19. Producing Interval(s), of this completion - Top, Bottom, Name 11080'-12057' Wolfcamp			20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run Porosity and Resistivity			22. Was Well Cored No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/4"	48	605'	17 1/2"	530 sx, TOC 0'	
8 3/4"	32	4530'	11"	1010 sx, TOC 0'	
5 1/2"	17	10953'	7 7/8"	1336 sx, TOC 1850'	

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
2 7/8"	10326'	11974'	PEAK, no cement		2 7/8"	10234'	10107'

26. Perforation record (interval, size, and number) Peak Liner Assembly used (Iso-Ports and Iso-Packers) Multi staged frac. Stage 1: 11740'-12057' Stage 2: 11550'-11740' Stage 3: 11080'-11550' Stage 4: 10880'-11080'	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 11740'-12057' 11550'-11740' 11080'-11550' 10880'-11080'	AMOUNT AND KIND MATERIAL USED 17000 gal 15% NeFe HCl & 6000 gal 15% Diverter Acid, Drop 1 3/4" ball. 24000 gal 15% NeFe HCl & 9000 gal 15% Diverter Acid, Drop 2" ball. 24000 gal 15% NeFe HCl & 9000 gal 15% Diverter Acid, Drop 2 1/4" ball. 12000 gal 15% NeFe HCL & 4000 gal 15% Diverter Acid.
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PRODUCTION

28. Date First Production 06-18-08		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping			Well Status (Prod. or Shut-in) Prod		
Date of Test 06-23-08	Hours Tested 24	Choke Size open	Prod'n For Test Period	Oil - Bbl 4	Gas - MCF 20	Water - Bbl. 194	Gas - Oil Ratio 5000
Flow Tubing Press. 200	Casing Pressure 44	Calculated 24 Hour Rate	Oil - Bbl. 4	Gas - MCF 20	Water - Bbl. 194	Oil Gravity - API - (Corr.) 40.43	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

30. List Attachments
Deviation Report, Peak assembly diagram, Directional Survey, C-102

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Signature Scott Haynes Printed Name Scott Haynes Title Regulatory Analyst Date 11/24/2008
E-mail Address shaynes@cimarex.com

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. Abo Shale	8141	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Wolfcamp	9717	T. Kirtland-Fruitland	T. Penn. "C"
T. Rustler	T. Wolfcamp B	10088	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Cisco		T. Cliff House	T. Leadville
T. 7 Rivers	T. Canyon		T. Menefee	T. Madison
T. Queen	T. Strawn		T. Point Lookout	T. Elbert
T. Grayburg	T. Atoka		T. Mancos	T. McCracken
T. San Andres	T. Miss		T. Gallup	T. Ignacio Otzte
T. Glorieta	6683	T. Devonian	B. Greenhorn	T. Granite
T. Paddock		T. Silurian	T. Dakota	T.
T. Blinebry	6933	T. Montoya	T. Morrison	
T. Tubb	7516	T. Simpson	T. Todilto	
T. Drinkard	7713	T. McKee	T. Entrada	
T. Bone Spring		T. Ellenburger	T. Wingate	
T. FBSS		T. Gr. Wash	T. Chinle	
T. SBSS		T. Morrow	T. Permian	
T. TBSS			T. Penn "A"	

OIL OR GAS SANDS OR ZONES

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

Down Hole Well Profile			
Well Name	Caudill 21 3H	DATE	5/31/08
SUPERVISOR	Guy Embry	TOOL HAND	Kerry New
PHONE #		PHONE #	432-425-9678
RIG #	T & B	FIELD TICKET #	
ELEVATIONS			
KB ELEV	KB TO SCF	RIG KBD	PBTD
7.25			
CASING / OPEN HOLE LAYOUT	LANDED DEPTH	WEIGHT (LB/FT)	TOP OF (FTKB)
CASING DESCRIPTION	5 1/2"	17	
WINDOW DESCRIPTION	Whip Stock		
OPEN HOLE DESCRIPTION	4 3/4"	JUNCTION @	
DESCRIPTION			
STEERING DIRECTIONS			
DOWNHOLE DESCRIPTION FROM BOTTOM UP (Tubing String)			
BOTTOM @		LENGTH	ID OD
11974.00	2 7/8" 8rd. Pump Out Plug, Shear @ 4620#	0.67	0.75 3.69
11973.33	2-Jts. 2 7/8" 8rd. 6.4# L-80 Tbg.	65.91	2.44 2.88
11907.42	5 1/2" x 2 7/8" 8rd. Hydro-Pac, Open Hole Ancho	4.51	2.44 4.63
11902.91	5-Jts. 2 7/8" 8rd. 6.4# L-80 Tbg.	164.66	2.44 2.88
11738.25	5 1/2" x 2 7/8" 8rd. Iso-Pac. Open Hole Pkr.	5.02	2.44 4.63
11733.23	2-Jts. 2 7/8" 8rd. 6.4# L-80 Tbg.	65.84	2.44 2.88
11667.39	2- 2 7/8" 8rd. 6.4# L-80 Pup Joints, 10' & 6'	16.45	2.44 2.88
11650.94	2 7/8" 8rd. x 1.56 I.D. Strada Port, Frac Sleeve	2.20	1.56 4.00
11648.74	3-Jts. 2 7/8" 8rd. 6.5# L-80 Tbg.	98.78	2.44 2.88
11549.96	5 1/2" x 2 7/8" 8rd. Iso-Pac. Open Hole Pkr.	5.02	2.44 4.63
11544.94	7-Jts. 2 7/8" 8rd. 6.5# L-80 Tbg.	230.66	2.44 2.88
11314.36	2 7/8" 8rd. X 1.813 I.D., Strada Port, Frac Sleeve	2.20	1.81 4.00
11312.16	7-Jts. 2 7/8" 8rd. 6.5# L-80 Tbg.	230.66	2.44 2.88
11081.50	5 1/2" x 2 7/8" 8rd. Iso-Pac. Open Hole Pkr.	5.02	2.44 4.63
11076.48	3-Jts. 2 7/8" 8rd. 6.5# L-80 Tbg.	98.66	2.44 2.88
10977.62	2 7/8" 8rd. X 2.063 I.D. Strada Port, Frac Sleeve	2.21	2.06 4.00
10975.41	3-Jts. 2 7/8" 8rd. 6.5# L-80 Tbg.	98.88	2.44 2.88
10876.53	5 1/2" x 2 7/8" 8rd. Iso-Pac. Open Hole Pkr.	5.03	2.44 4.63
10871.50	2 7/8" 8rd. Pin x 2 7/8" 8rd. Double Pin Nipple	0.67	2.44 3.13
10870.83	2 7/8" 8rd. Box x 2 7/8" UFJ-FX Box X-Over	1.09	2.44 3.63
10869.74	17-Jts. 6.4# L-80 UFJ-FX Tbg.	532.78	2.44 2.44
10336.96	2 7/8" UFJ-FX Pin x 2 7/8" 8rd. Box	0.82	2.44 3.63
10336.14	5 1/2" 15-20# x 2 7/8" 10-K, Arrow Set Pkr.	7.18	2.38 4.63
10328.96	5 1/2" x 2 7/8" 8rd. T-2 Inverted On/Off Tool	2.57	2.44 4.50
10326.39	Top Of On/Off Tool		
Pull Out Of Hole	Set Pkrs 327-Jts 2 7/8" 10 40# AOH D P	10317.61	
	1- 2 7/8" x 8' 10 40# AOH Pup Jt	7.79	
	2 7/8" 8rd Pin x 2 7/8" AOH X-Over	1.61	
	Correction	7.25	
	Total	10334.26	
	8' Out On Jt # 327	10326.26	
	Set- Arrow Set w/ 25-k Down, Pull Test 25-K		
	Tested annulas 1200#		
	Set Hyd Open Hole Packers, 1500# 5-Min		
	2260# 15-Min , 2605# 10-Min		
	Note: Did Not Pump Out- Pump Out Plug		
	Will Be Pumped Out @ Time Of Frac 4620#		
WEIGHT OF TUBING STRING	TOTAL STRING LENGTH		32642.39
PUSH / PULL TEST	STICK-UP OFF RIG FLOOR		
LINER STRING WEIGHT	TUBING BOTTOM		32642.39

TOTAL MEASURED DEPTH @ 12,057'

*** CONFIDENTIAL ***
NOT TO BE DISCLOSED OUTSIDE
** CIMAREX COMPANY **

REFERENCE SHEET FOR
UNDESIGNATED WELLS

	Fm	Pm	N	Pc
12-15 E	XX	XX		XX

paragraph

1. Date	12/4/2008
2. Type of Well:	
Oil:	XX
Gas:	
3. County:	LEA

4. Operator	CIMAREX ENERGY CO		APT NUMBER	30 - 025 - 38690
5. Address of Operator	600 N MARIENFELD, STE 600 MIDLAND TX 79701			
6. Lease name or Unit Agreement Name	CAUDILL SOUTH 21 FEE			7. Well Number # - 3
8. Well Location	Unit Letter J/G 2000/3596 feet from the N/S line and 2200/2281 feet from the W line Section 21 Township 15S Range 36E			

9. Completion Date	6/17/2008	11. Perfs	Top	Bottom	TD
			10080	12057	12057
10. Name of Producing Formation(s)	WOLFCAMP & STRAWN		12. Open Hole Casing shoe	Bottom	PBTD

13. C-123 Filed	Date	15. Name of Pool Requested or temporary Wildcat designation	Pool ID num
Y ☐ N ☒		CAUDILL;PERMO-UPPER PENN	10830

16. Remarks	EXTEND
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TO BE COMPLETED BY DISTRICT GEOLOGIST	
17. Action taken	18. Pool Name
EXTEND	CAUDILL;PERMO-UPPER PENN
Pool ID num 10830	
T 15 S, R 36 E	
SEC 8: NE/4	
SEC 21: SE/4	

19. Advertised for HEARING	20. Case Number
21. Name of pool for which was advertised	
CAUDILL;PERMO-UPPER PENN	
Pool ID num 10830	
22. Placed in Pool	23. By order number
	R-