

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN APPLICATION

OCDEARTESIA

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVER. ☐ Other _____

2. NAME OF OPERATOR

Cimarex Energy Co. of Colorado

3. ADDRESS AND TELEPHONE NO.

P O Box 140907 Irving Tx. 75014-0907

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 690' FNL & 950' FEL

At top prod. interval reported below 690' FNL & 950' FEL

At total depth 690' FNL & 950' FEL

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

13. STATE

Eddy

NM

15. DATE SPUDDED

06-18-06

16. DATE T.D. REACHED

07-20-06

17. DATE COMPL. (Ready to prod.)

11-18-06

18. ELEVATIONS (DP, RKB, RT, GR, ETC.)*

3613' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

11230'

21. PLUG, BACK T.D., MD & TVD

10465'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

All

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Bear Grass Draw; Abo 7546' - 7670'

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Laterolog, Neutron Log, CBL, Mud

27. WAS WELL CORRED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT FULLED
13-3/8" H-40	48#	350'	17-1/2"	540 sx, circ 34 sx	
9-5/8" J-55	40#	4725'	12-1/4"	1800 sx, circ 256 sx	
5-1/2" P-110	17#	11230'	8-3/4"	1425 sx, TOC 7937' by CBL	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	7732'	

31. PERFORATION RECORD (Interval, size and number)

see attachment

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11-18-06		Pumping - 2-1/2" x 1-1/2" x 20' RHBC HVR Pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
12-16-06	24		→	1	4	160	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
200	37	→				MAR - 9 2007	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

35. LIST OF ATTACHMENTS

C-102, Perf-Frac Attachment, Deviation Report, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Natalie Hueger

TITLE Reg Analyst I

DATE 02-28-07

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Yates	1070	
				San Andres	2820	
				Yeso	4280	
				Abo	6280	
				Wolfcamp	7670	
				Cisco	9350	
				Strawn	10210	
				Atoka	10416	
				Morrow	10856	
				Mississippian	11074	



CACTUS DRILLING COMPANY, L.L.C.
REPORT OF PROOF OF APPARENT DEVIATION
NEW MEXICO

OPERATOR CIMAREX ENERGY CO OF COLORADO
600 EAST LAS COLINAS BLVD. STE 1100
IRVING, TX 75039

FIELD NAME _____

COUNTY/PARISH EDDY

WELL NAME & NO. GRAYBURG DEEP UNIT #18

LEGAL SEC 24-17S-29E

MEASURED DEPTH (FT)	COURSE LENGTH (HUNDREDS OF FT)	ANGLE OF INCLINATION (DEGREES)	DISPLACEMENT PER HUNDRED FT (SINE OF ANGLE X 100)	COURSE DISPLACEMENT (FEET)	ACCUMULATIVE DISPLACEMENT (FEET)	REMARKS
400	4.00	1/8	0.2967	1.19	1.19	
820	4.20	1 2/3	2.9492	12.39	13.57	
1325	5.05	4/7	0.9948	5.02	18.60	
1805	4.80	2/9	0.3840	1.84	20.44	
2310	5.05	1/3	0.5585	2.82	23.26	
2805	4.95	1/5	0.3316	1.64	24.90	
3314	5.09	1/4	0.4363	2.22	27.12	
3802	4.88	2/7	0.5236	2.56	29.68	
4308	5.06	6/7	1.4835	7.51	37.18	
4875	3.67	3/7	0.7330	2.69	39.87	
5100	4.25	1/2	0.8028	3.41	43.29	
5575	4.75	2/5	0.6981	3.32	46.60	
6052	4.77	1/3	0.5410	2.58	49.18	
6234	1.82	1/3	0.6109	1.11	50.30	
6646	4.12	3/5	1.0472	4.31	54.61	
7102	4.56	1/2	0.9425	4.30	58.91	
7515	4.13	7/8	1.5184	6.27	65.18	
8023	5.08	4/7	1.0123	5.14	70.32	
8523	5.00	5/8	1.0821	5.41	75.73	
9010	4.87	1	1.7278	8.41	84.15	
9521	5.11	2/3	1.1344	5.80	89.94	
10028	5.07	1/2	0.8028	4.07	94.01	
10500	4.72	1	1.7976	8.48	102.50	
10820	3.20	1 5/9	2.7224	8.71	111.21	
11015	1.95	1 5/7	2.9841	5.82	117.03	
11200	1.85	1 7/9	3.1062	5.75	122.77	

NOTARY
SEAL
LESLIE N. KIDD
Oklahoma County
Notary Public in and for
State of Oklahoma
Commission # 03003457 Expires 2/27/07

Leslie N. Kidd

Grayburg Deep Unit No. 18

30-015-34905

Eddy County, NM

Perforation Record	Acid, Shot, Fracture, Cement Squeeze, Etc.	
	Depth Interval	Amount and Kind of Material Used
Morrow 11042'-11056' 6 spf, 84 holes CIBP @ 11020' w/ 35' cmt	11042'-11056'	1500 gal 7-1/2% Alcoholic NeFe Acid
Morrow 10928'-10944' 6 spf, 96 holes CIBP @ 10900' w/ 35' cmt	10928'-10944'	2000 gal 7-1/2% Alcoholic NeFe Acid
Morrow 10750'-10758' 6 spf, 48 holes	10750'-10758'	1000 gal 7-1/2% Alcoholic NeFe Acid
Morrow 10678'-10686' 6 spf, 48 holes	10678'-10686'	1000 gal 7-1/2% Alcoholic NeFe Acid
Atoka 10568'-10574' 6 spf, 36 holes CIBP @ 10500' w/ 35' cmt	10568'-10574'	750 gal 7-1/2% Alcoholic NeFe Acid
Abo 7546'-7670' 3 spf, 228 holes	7546'-7670'	18000# Lite Prop 125C 1430, 110000 gal Slick Brine, 320000# 16/30 White Sand, 100000 gal Lightning

DISTRICT I
1625 N. FRENCH DR., HOBBBS, 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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-34905	Pool Code	Pool Name Bear Grass Draw; Abo
Property Code	Property Name GRAYBURG DEEP UNIT	Well Number 18
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3613'

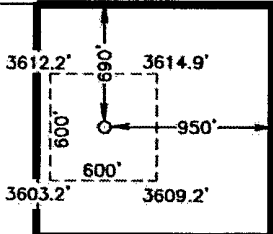
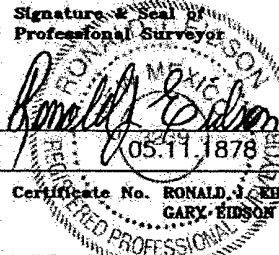
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	24	17-S	29-E		690	NORTH	950	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill N	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

		OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> <u>Zeno Farris</u> Signature <u>Zeno Farris</u> Printed Name <u>Mgr Operations Admin</u> Title <u>02-28-07</u> Date	
		SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> <u>DECEMBER 23, 2005</u> Date Surveyed <u>LA</u> Signature & Seal of Professional Surveyor  Certificate No. <u>RONALD J. EIDSON 3239</u> <u>GARY EIDSON 12641</u>	
GEODETIC COORDINATES NAD 27 NME Y=664084.9 N X=595560.8 E LAT.=32°49'30.97" N LONG.=104°01'20.10" W			