

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other						5. Lease Serial No LC-028784-C			
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr Other _____						6. If Indian, Allottee or Tribe Name			
2. Name of Operator Cimarex Energy Co. of Colorado						7. Unit or CA Agreement Name and No. NM-70954-X Grayburg Deep Unit			
3. Address PO Box 140907; Irving, TX 75014						8. Lease Name and Well No. Grayburg Deep Unit No. 22			
3a. Phone No. (include area code) 972-443-6489						9. API Well No. 30-015-35598			
4. Location of Well (Report Location clearly and in accordance with Federal requirements)* At surface 1940' FNL & 330' FWL At top prod. interval reported below At total depth						10. Field and Pool, or Exploratory Loco Hills: Wolfcamp, NE			
NOV 15 2007 OCD-ARTESIA						11. Sec., T., R., M., on Block and Survey or Area 25-17S-29E			
						12. County or Parish Eddy		13. State NM	
14. Date Spudded 06.26.07		15. Date T.D. Reached 07.30.07		16. Date Completed 08.20.07 ☐ D & A ☒ Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 3,589' GR			
18. Total Depth: MD 9280' TVD		19. Plug Back TD: MD 9172' TVD		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SDL, DLL, MGRD, BHC, CBL				22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☐ No ☒ Yes (Submit report) Directional Survey ☒ No ☐ Yes (Submit copy)					
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8" H-40	48	0	381'	NA	420sx PremPlus 1" w 460sx		0	
11"	8-5/8" J-55	32	0	4718'	NA	1450sx IntC/PremP/circ 78bbls		0	
7-7/8"	5-1/2" N-80	17	0	9275'	NA	770sx IntH/super H		4500'	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	9158'	8966'							
25. Producing Intervals					26. Perforation Record				
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) Wolfcamp		7675'		9088'-9158'		0.42	112	Producing	
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08.30.07	09.03.07	24	→	194	1408	0	48.4	1.264	Flowing
Choke Size	Tbg Press Flwg	Csg. Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	ACCEPTED FOR RECORD NOV 9 2007 JERRY FANT PETROLEUM GEOLOGIST
18/64	SI 2050	0	→				7258	Flowing	
28. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg	Csg. Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

* (See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

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

Sold

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

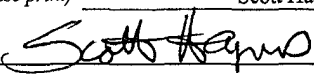
Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top Meas. Depth
				San Andres	2719'
				Glorieta	4175'
				Paddock	4280'
				Tubb	5282'
				Wolfcamp	7675'
				Lower Wolfcamp	8892'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes.

☒ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☒ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (*please print*) Scott Haynes Title Reg Analyst 1
 Signature  Date October 25, 2007

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I
1025 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

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 October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35598	Pool Code 97601	Pool Name Loco Hills; Wolfcamp, NE
Property Code	Property Name GRAYBURG DEEP UNIT	Well Number 22
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3584'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	25	17 S	29 E		1940	NORTH	330	WEST	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

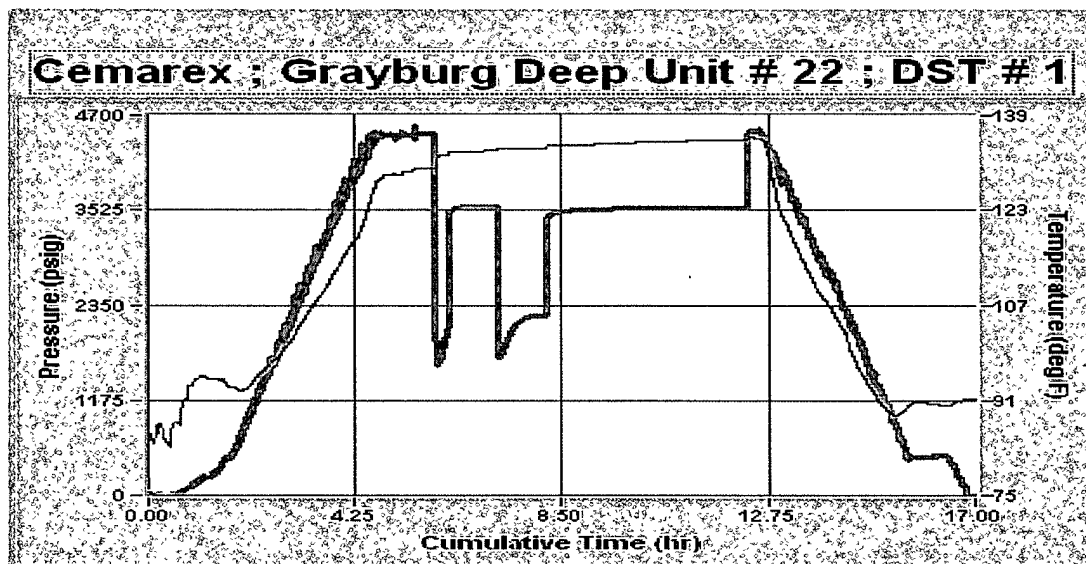
Dedicated Acres 40	Joint or Infill N	Consolidation Code U	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Lat - N32°48'26.8" Long - W104°02'08.8" NMSPCE - N 657612.853 E 632755.450 (NAD-83) LC-028784-C & Grayburg Deep Unit	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Zeno Farris</i> 10-26-07 Signature Date Zeno Farris Printed Name
	SURVEYOR CERTIFICATION 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. APR 12 2007 Date Surveyed <i>Gary L. Jones</i> Signature Professional Surveyor 7977 Certificate No. 7977 BASIN SURVEYS

Company Cimarex Energy
 Lease Grayburg Deep Unit # 22
 County Eddy ; N.W. Loco Hills
 Co. Rep. Scott Lucas
 Formation Wolfcamp Interval 9073' - 9210'
 Pit Clhr. 95,000 mg/l Rec.Clhr. No Water
 Drlg. Cont. Cactus # 122 ; 4.5" XH pipe & collars ; Pusher - Neal Herndon

Date: 7-29-07
 T.Ticket # 24596
 DST # 1
 Rec.# 22027
 Rec.Dep. 9078'
 Net Pay 18'&13'



I-HYD:	4480 psi.	Temp.	134 deg.	F-HYD:	4533 psi.
First Flow:	1621 - 2064 psi.		15 Min.		
Second Flow:	1721 - 2236 psi.		60 Min.		
First Shut-In:	3585 psi		60 Min.		
Second Shut-In:	3572 psi.		240 Min.		

Surface Action: Opened tool with a good blow on a 1/4" choke in 1 min. , G.T.S. w/ 880 psi. in 10 min. , 920 psi (1.25 mmcf) in the 15 min. I.F.

Reopened with 50 psi. on a 1/2" choke , O.T.S. w/ 550 psi. in 10 min. , 800 psi. in 20 min. 850 psi. in 30 min. , 900 psi. in 40 min. , 950 psi. in 50 min. , 950 psi. in the 60 min. F.F.

Pipe Recovery: G.T.S. in 10 min. ; O.T.S. in 10 min. on F.F. ; Pulled to fluid @ 771' & reversed into trip tank est.
 3 Bbls. Oil 50 gravity @ 60 deg.
 1 Bbl. Oil & Gas cut mud 25% Oil
 90' Gas cut mud below circ. Sub

Sample Chamber: 2100 psi 9 Cu.Ft.Gas
 200 cc Oil

1 Gas sample to Caprock Lab in Midland

Start time @ 7:00 pm 7-28-07 ; End time @ 10:00 pm 7-29-07 = 3 hrs. tool time

Cost \$8,212.50 TESTER - Tommy Williams



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

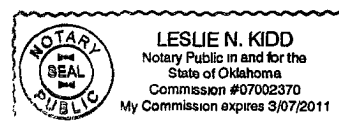
FIELD NAME _____

COUNTY/PARISH EDDY

WELL NAME & NO. GRAYBURG DEEP UNIT #22

LEGAL SEC 25-17S-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
246	2.46	2/7	0.5061	1.25	1.25	
395	1.49	1	1.6056	2.39	3.64	
600	2.05	2/3	1.1344	2.33	5.96	
835	2.35	1	1.8674	4.39	10.35	
1084	2.49	7/8	1.5184	3.78	14.13	
1337	2.53	1	1.6754	4.24	18.37	
1670	3.33	5/7	1.2392	4.13	22.50	
1874	2.04	3/8	0.6458	1.32	23.81	
2176	3.02	2/9	0.4014	1.21	25.03	
2344	1.68	1	1.9023	3.20	28.22	
3015	6.71	1 2/9	2.1291	14.29	42.51	
3174	1.59	6/7	1.5009	2.39	44.90	
3427	2.53	1/7	0.2618	0.66	45.56	
3680	2.53	5/6	1.4486	3.66	49.22	
3932	2.52	1/2	0.8028	2.02	51.25	
4218	2.86	2/3	1.2217	3.49	54.74	
4285	0.67	7/9	1.3439	0.90	55.64	
4730	4.45	1/6	0.3142	1.40	57.04	
4940	2.10	5/7	1.2566	2.64	59.68	
5256	3.16	1	1.6231	5.13	64.81	
5404	1.48	8/9	1.5707	2.32	67.13	
5616	2.12	3 5/8	6.3139	13.39	80.52	
5847	2.31	4 1/2	7.9155	18.28	98.80	
5900	0.53	5 1/4	9.1849	4.87	103.67	
6100	2.00	5 1/7	8.9763	17.95	121.62	
6154	0.54	5	8.8894	4.80	126.42	
6311	1.57	4 2/9	7.3760	11.58	138.00	
6542	2.31	4 5/9	7.9503	18.37	156.37	
6628	0.86	5	8.6808	7.47	163.83	
6785	1.57	3 1/2	6.1745	9.69	173.53	
6940	1.55	3 1/9	5.4253	8.41	181.94	
7195	2.55	3	5.2162	13.30	195.24	
7520	3.25	2 5/6	4.9198	15.99	211.23	
7701	1.81	2 4/5	4.8850	8.84	220.07	
8027	3.26	2	3.3678	10.98	231.05	
8207	1.80	1	1.6580	2.98	234.03	
8460	2.53	1	1.8848	4.77	238.80	
9280	8.20	1 1/7	2.0070	16.46	255.26	



Leslie N. Kidd
9-21-07