

UNITED STATES CARLSBAD FIELD OFFICE  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: ☒ OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER \_\_\_\_\_  
2. DATE OF COMPLETION: ☐ NEW WELL ☐ WORK OVER ☐ DEEPEN ☒ PLUG BACK ☐ DIFF. RESVR.  
OTHER \_\_\_\_\_5. LEASE DESIGNATION AND SERIAL NO.  
NM 1005556. IF INDIAN, ALLOTTEE OR TRIBE NAME  
18 20107. UNIT AGREEMENT NAME  
NMOCD ARTESIA8. FARM OR LEASE NAME, WELL NO.  
Cooper 31 Federal, Well #19. API NO  
30 015 3628210. FIELD AND POOL, OR EXPLORATORY  
Brushy Draw, Delaware11. SEC., T., R., M. OR BLOCK AND SURVEY  
OR AREA  
Sec 31, T25S, R29E12. COUNTY OR PARISH  
Eddy County13. STATE  
NM14. DATE SPUDDED  
5-25-0815. DATE T.D. REACHED  
7/13/200816. DATE COMPLETED  
☐ D & A ☒ READY TO PROD.  
recompletion: 1-11-1017. ELEVATIONS (OF, RKB, RT, GR, ETC.)  
GR 2976'18. TOTAL DEPTH, MD & TVD  
11,376' MD; 7300' TVD19. PLUG, BACK T.D.  
MD 5900'  
TVD20. DEPTH: BRIDGE PLUG SET  
MD 5900'  
TVD

21. TYPE ELECTRIC &amp; OTHER MECHANICAL LOGS RUN (SUBMIT COPY OF EACH)

22. WAS WELL CORED? ☐ NO ☐ YES (SUBMIT ANALYSIS)  
WAS DST RUN? ☐ NO ☐ YES (SUBMIT REPORT)  
DIRECTIONAL SURVEY? ☐ NO ☐ YES (SUBMIT COPY)

GR/CCL/CBL

## 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" J55	48#	0	539'		505 sx C		surface	none
12 1/4"	9 5/8" J55	35#	0	2720'		900 sx C		surface	none
7 7/8"	5 1/2" J55	20#	0	10,885'		1725 sx poz C & 1450 sx C		surface	none

## 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"	4750'							

## 25. PRODUCING INTERVALS

FORMATION	TOP	BOTTOM
A) Bone Spring	7740	10,700'
B) Delaware	4778	5252'
C)		
D)		

## 26. PERFORATION RECORD

PERFORATED RECORD	SIZE	NO HOLES	PERF. STATUS
7740-10,700'		90 holes	plugged off
4778-5252'			producing

## 27. ACID, FRACTURE, TREATMENT CEMENT SQUEEZE, Etc.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4778-4786	43,000 gals XL w/71,420 # 16/30
5234-5252'	

## 28. PRODUCTION INTERVAL A 4778-5252'

DATE FIRST PRODUCED	TEST DATE	HOURS TESTED	TEST PRODUCTION	OIL BBL	GAS MCF	WATER BBL	OIL GRAVITY CORR. API	GAS GRAVITY	PRODUCTION METHOD
1-7-10	1-11-10	24	→	91	42	271	39	.7250	pumping
CHOKE SIZE	TBG. PRESS. FLWG.	CSG. PRESS.	24 HR. RATE	OIL BBL	GAS MCF	WATER BBL	GAS OIL RATIO	WELL STATUS	
			→					Producing	

## 28a. 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. SI	CSG. PRESS.	24 HR. RATE	OIL BBL	GAS MCF	WATER BBL	GAS OIL RATIO	WELL STATUS	
			→						

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

A-31-255-798 RM

ENTERED  
4-7-10

ACCEPTED FOR RECORD

FEB 20 2010

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

MR

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr AN	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 APT	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	
			→					x -	

29. Disposition of Gas (Solid, used for fuel, vented, etc)  
Vented during test

## 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 too] open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas Depth
				Lamar Lime	2830'
				Ramsey	2871'
				Cherry Canyon	3703'
				Brushy Canyon	4966'
				Bone Spring	6570'

32. Additional remarks (include plugging procedure)

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

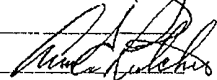
- ☐ Electronic Mechanical Logs (1 full set req'd.)   
 ☐ Geologic Report   
 ☐ DST Report   
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification   
 ☐ Core Analysis   
 ☐ Other-

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) Ann E. Ritchie

Title Regulatory Agent (432) 684-6381

Signature



Date 2-1-2010

ann.wtor@gmail.com

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

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