

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTOil Cons.  
N.M. Div-Dist. 2  
1301 W. Grand Avenue  
Albuquerque, NM 88210FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Lease Serial No.  
LC-029437

- 1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other \_\_\_\_\_

2. Name of Operator  
CBS OPERATING CORP.3. Address  
P O BOX 2236, MIDLAND TX 797023a. Phone No. (include area code)  
432/685-0878

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 1210' FSL &amp; 250' FWL UL M

At top prod. interval reported below same

At total depth same

RECEIVED

FEB 23 2004

OCD-ARTESIA

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
NORTH SQUARE LAKE UNIT

8. Lease Name and Well No.

NORTH SQUARE LAKE UNIT 197

9. API Well No.

30-015-33065 SI

10. Field and Pool, or Exploratory

SQUARE LAKE GB-SA

11. Sec., T., R., M., on Block and

Survey or Area 20-16S-31E

12. County or Parish

Eddy

13. State

NM

17. Elevations (DF, RKB, RT, GL)\*

3918' GL

14. Date Spudded

11-4-03

15. Date T.D. Reached

11-12-03

16. Date Completed

☐ D & A ☒ Ready to Prod.

12-12-03

18. Total Depth: MD 3498'  
TVD19. Plug Back T.D.: MD 3437'  
TVD20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

Cased hole density neutron

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	32#	surface	450'	N/A	470 Class C		surface	None
	J-55								
7-7/8"	5-1/2"	17#	surface	3498'	N/A	900 Class C		surface	None
	J-55								

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"	3260'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Grayburg SA	2942	3437	3084-3382	.4"	268	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3084-3098	F/34000 g gel wtr + 46000# 16/30 Brady sd
3176-3260	F/48000 g brine+6000# lite prop 29600 g gel wtr + 82100# 16/30 sd
3354-3382	A/2000 g 15% NEFE F/60000 g gel+brine 5600# lite prop 16800 g gel wtr
	29205# 16/30 sd

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
12-12	12-15	24	→	51	TSTM	187	36.1		Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

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	
			→						

ACCEPTED FOR RECORD

FEB 19 2004

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

(See instructions and spaces for additional data on reverse side)

## 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.)

vented

## 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
Grayburg	2942	3268	Dolomite, sand, anhydrite oil, gas and water	Queen Sand	2552
San Andres	3268	Below TD	Dolomite, sand, anhydrite oil, gas and water	Grayburg San Andres	2942 3268

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

- ① Electrical/Mechanical Logs (1 full set req'd.)    2. Geologic Report    3. DST Report    ④ Directional Survey  
5. Sundry Notice for plugging and cement verification    6. Core Analysis    7. 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) M. A. SARGO, IIITitle ENGINEERSignature M. A. SargoDate FEBRUARY 13, 2004

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.

WELL NAME AND NUMBER North Square Lake Unit No. 197  
LOCATION Section 20, T16S, R31E, Eddy County NM (1210' FSL & 250' FWL)  
OPERATOR CBS Operating Corporation  
DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1° 528'</u>	<u>                    </u>	<u>                    </u>
<u>1° 1003'</u>	<u>                    </u>	<u>                    </u>
<u>1° 1509'</u>	<u>                    </u>	<u>                    </u>
<u>1-1/4° 2015'</u>	<u>                    </u>	<u>                    </u>
<u>1-1/4° 2526'</u>	<u>                    </u>	<u>                    </u>
<u>1-1/4° 3002'</u>	<u>                    </u>	<u>                    </u>
<u>1° 3498'</u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>

**RECEIVED**  
FFR 23 2004  
**OGD-ARTESIA**

Drilling Contractor United Drilling, Inc.

By: George A. Aho

George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 17<sup>th</sup> day of November,  
2003

Carole Martin

Notary Public

My Commission Expires: 10-04-04

Chaves  
County

New Mexico  
State