

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 79702

3a. Phone No. (include area code)

432/685-0878

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

At surface 2630' FNL & 1330' FEL UL G

At top prod. interval reported below same

At total depth same

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5. Lease Serial No.

NM-75501

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 177

9. API Well No.

30-015-32907 S1

10. Field and Pool, or Exploratory

SQUARE LAKE GB-SA

11. Sec., T., R., M., on Block and
Survey or Area

29-16S-31E

12. County or Parish

EDDY

13. State

NM

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

3965' GL

14. Date Spudded

11-4-03

15. Date T.D. Reached

11-12-03

16. Date Completed

☐ D & A ☒ Ready to Prod.
12-3-0318. Total Depth: MD
TVD 3600'19. Plug Back T.D.: MD
TVD 3550'20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & 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	571'	N/A	470 ClassC		surface	none
	IS								
7-7/8	5-1/2"	17#	surface	3599'	N/A	950 ClassC		surface	none
	IS								

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"	3475							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Grayburg SA	3070	Below TD	3310-3514	.4"	260	
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
3310-3406	A/1500 g 15% + 200 ball sealers F/100632 g brine+gel water 6200# lite prop + 73788# 16/30 sand
3496-3514	A/1500 g 15% F/19635 g gel wtr + 42287# 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
12/3	12/16	24	→	28	TSTM	100	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	
			→						

ACCEPTED FOR RECORD

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	
			→						

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	3070	3404	Dolomite, sand, anhydrite oil, gas and water	Queen	2676
San Andres	3404	Below TD	Dolomite, sand, anhydrite oil, gas and water	Grayburg San Andres	3070 3404

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. SIRGO, IIITitle ENGINEERSignature Date 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. 177

LOCATION Section 29, T16S, R31E, Eddy County

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:

Degrees @ Depth

Degrees @ Depth

Degrees @ Depth

1/2° 1022'

1° 1520'

3/4° 2016'

3/4° 2514'

3/4° 3573'

RECEIVED

ECD 9-8-2004

OCD-ARTESIA

Drilling Contractor United Drilling, Inc.

By: George A. Aho

Title: Business Manager

Subscribed and sworn to before me this

17th

day of

November

2003.

Carlene Martin

Notary Public

My Commission Expires: 1004-04

Chaves New Mexico
County State