

Tops Marked
ON 5" Detail Log



FINAL PRINT

DUAL LATEROLOG MICROGUARD LOG

COMPANY		WELL		FIELD		COUNTY		STATE	
WOLVERINE EXPLORATION COMPANY		STATE 24-26 NO. 1		WILDCAT		LEA		NM	
API NO.		LOCATION		330 FSL AND 2310 FWL		OTHER SERVICES		LSS SOL-DSN DIPMETER	
SEC. 26		TWP. 10-S		RGE 33-E		ELEV. 4196		ELEV. K.B. 4210	
LOG MEASURED FROM K.B.		14 FT ABOVE PERM. DATUM		D.F. NA		G.L. 4196			
DATE		1/17/83							
RUN NO.		ONE							
DEPTH-DRILLER		12800							
DEPTH-WELEX		12801							
BTM LOG INTER.		12800							
TOP LOG INTER.		4140							
CASING-DRILLER		8.62504153		2		3		0	
CASING-WELEX		4140							
BIT SIZE		7 7/8							
TYPE FLUID IN HOLE		SALT GEL							
DENS. 1 VISC.		9.4 122.0		1		1		1	
PH 1 FLUID LOSS		9.0 18.0		1		1		1	
SOURCE OF SAMPLE		PIT							
RM 2 MEAS. TEMP.		0.211293		2		2		2	
RMF 2 MEAS. TEMP.		0.197854		2		2		2	
RMC 2 MEAS. TEMP.		0.239049		2		2		2	
SOURCE RMF RMC		MEAS. 1 MEAS.		1		1		1	
RM 2 BHT		0.0013164		0		2		0	
TIME SINCE TOPC		7.4113							
TIME IN SOLEM		1.1372							
TIME TO SET		1.1372							
TIME TO SET		1.1372							

Each data interpretation, the presence of recommendations agrees that there is no liability for any loss or damage to the user thereof.

LI DEEP	
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CALIPER	15
INCHES	
TENSION	

NEW POOLS

It is recommended that a new OIL pool be created and designated as the VADA-DEVONIAN Pool.

Vertical limits to be the Devonian formation and the horizontal limits should be as follows: As outlined in paragraph (a) Exhibit I

Discovery well was Union Pacific Resources Company State 26 Well No. 1 located in Unit N Section 26 Township 10 Range 33 and was completed on February 13, 1988. Top of perforations is at 12,646 feet.

It is recommended that a new _____ pool be created and designated as the _____ Pool.

Vertical limits to be the _____ formation and the horizontal limits should be as follows: _____

Discovery well was _____ located in Unit _____ Section _____ Township _____ Range _____ and was completed on _____. Top of perforations is at _____ feet.

It is recommended that a new _____ pool be created and designated as the _____ Pool.

Vertical limits to be the _____ formation and the horizontal limits should be as follows: _____

Discovery well was _____ located in Unit _____ Section _____ Township _____ Range _____ and was completed on _____. Top of perforations is at _____ feet.

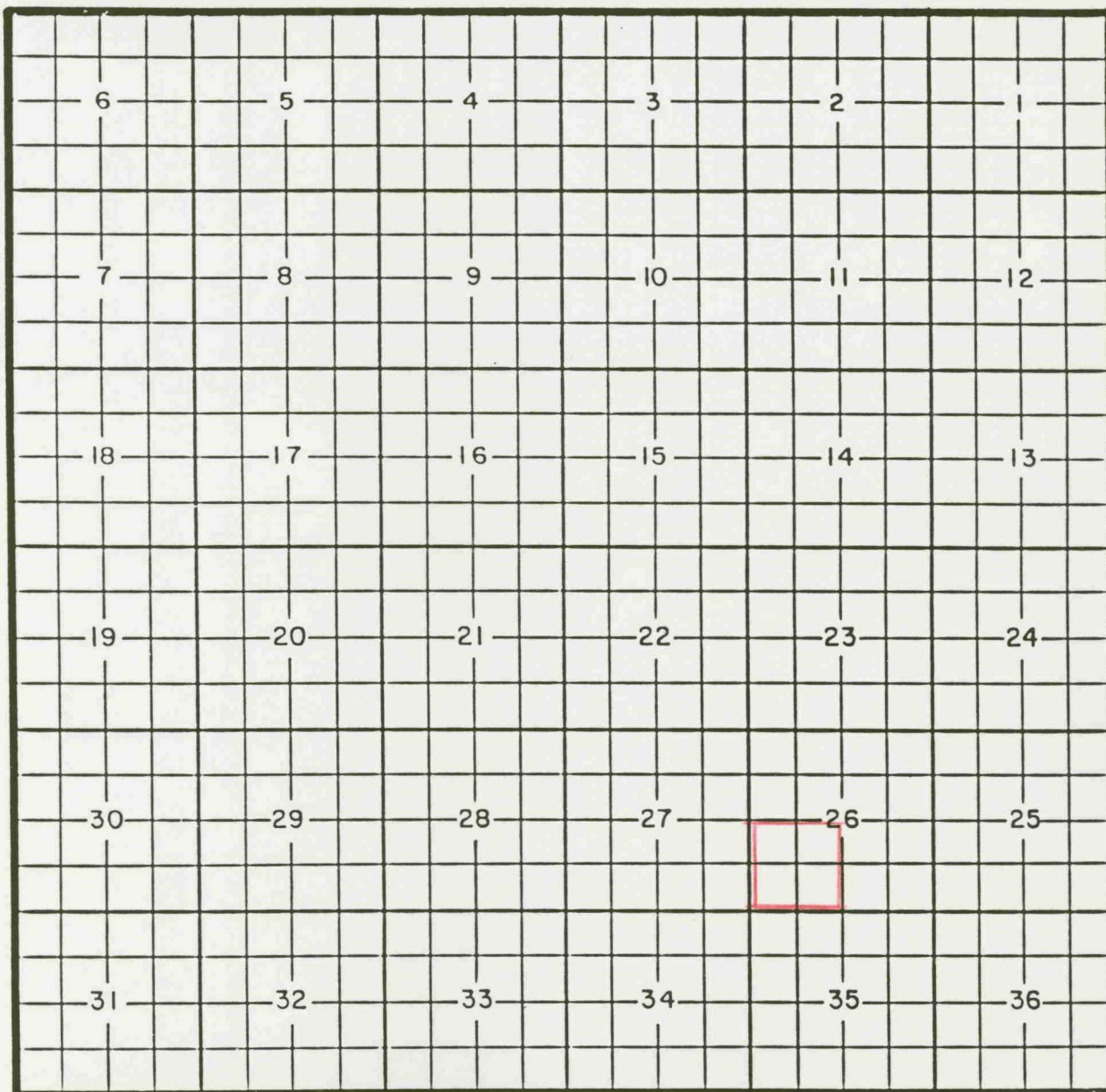
COUNTY LEA

POOL VADA -DEVONIAN

TOWNSHIP 10 South

RANGE 33 East

NMPM



PURPOSE: One completed oil well capable of producing.

Union Pacific Resources Company State 26 Well No. 1 located in Unit N of
Section 26, Township 10 South, Range 33 East, NMPM, completed February 13, 1988,
in the Devonian formation. The top of the perforations is at 12,646 feet.

Proposed pool boundary outlined in red. Section 26: SW/4

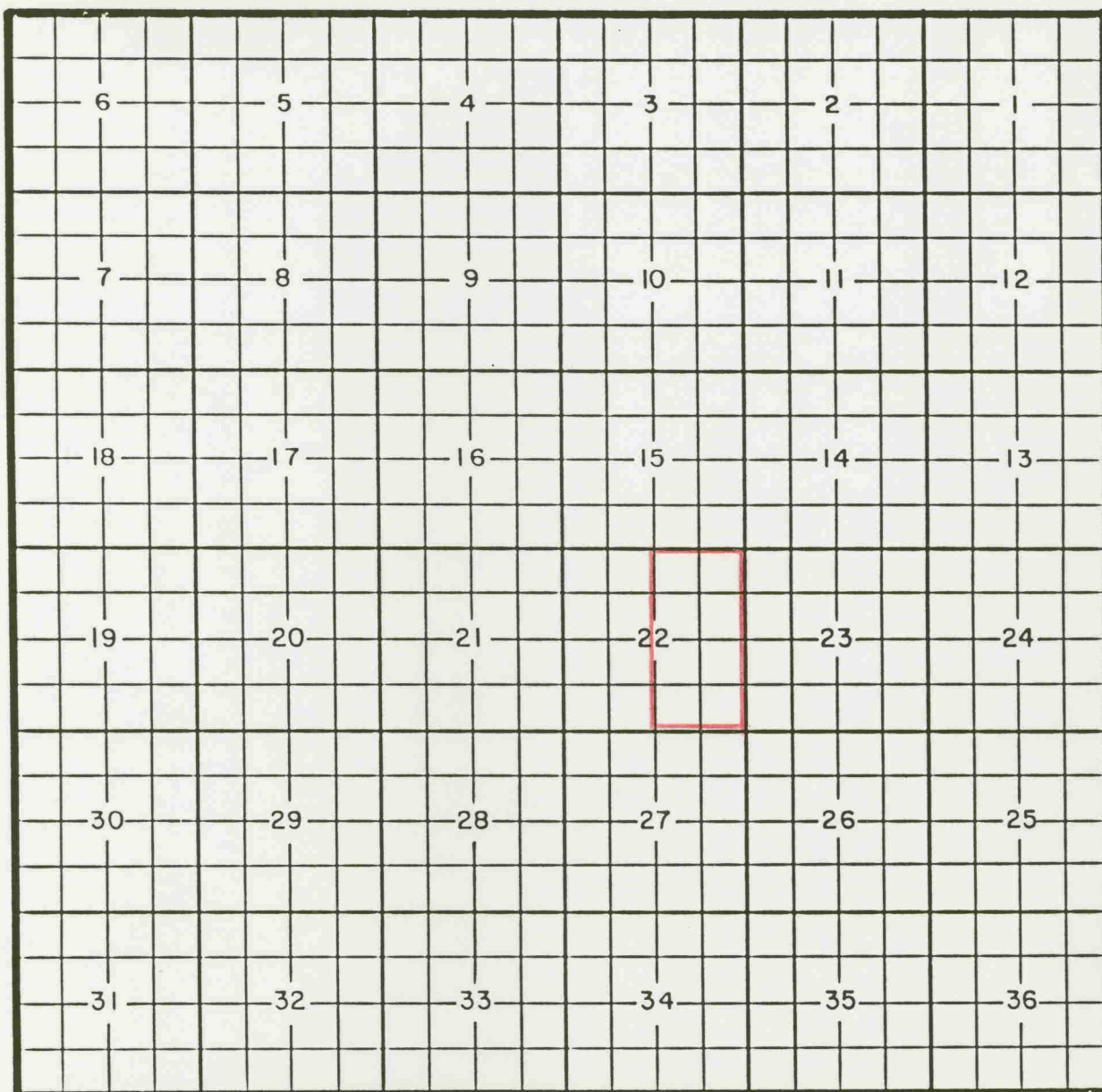
COUNTY LEA

POOL FOWLER-UPPER SILURIAN GAS (Reclassified from oil)

TOWNSHIP 24 South

RANGE 37 East

NMPM



PURPOSE: The only two wells producing from this pool are gas wells.

Pool boundary outlined in red.

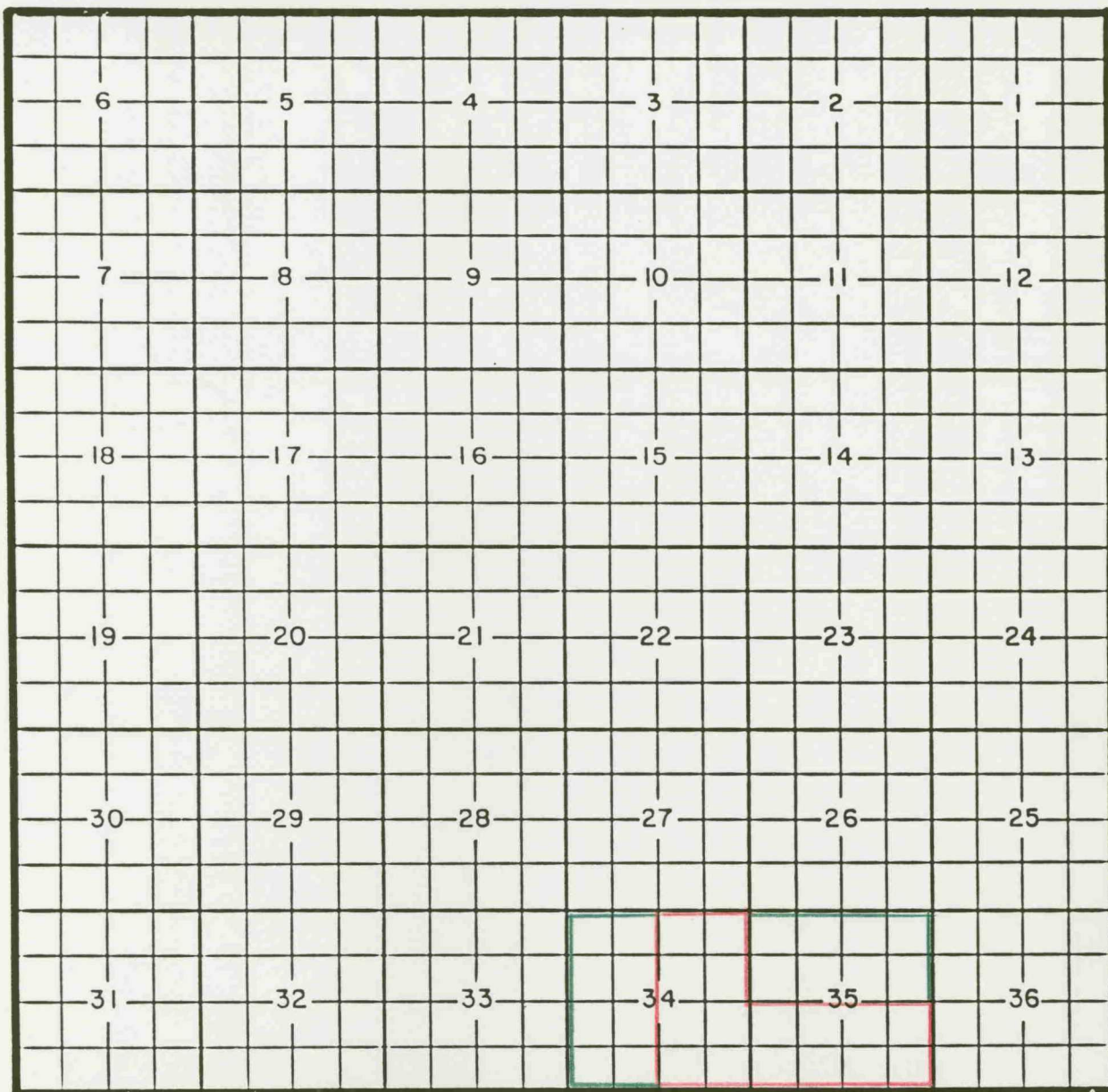
COUNTY LEA

POOL ANTELOPE RIDGE-ATOKA GAS

TOWNSHIP 22 South

RANGE 34 East

NMPM



PURPOSE: Two completed gas wells capable of producing.

Maxus Exploration Company Federal 24-34 Well No. 1-N Sec.34, T22S, R34E, completed February 12, 1988 in the Atoka formation. The top of the perforations is at 12,132 feet. BTA Oil Producers Maddox B Fed 8016 JV-P Well #2-E, Sec 35, T22S, R34E, completed March 4, 1988, in the Atoka formation. The top of the perforations is at 12,252 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 34: W/2

Section 35: N/2

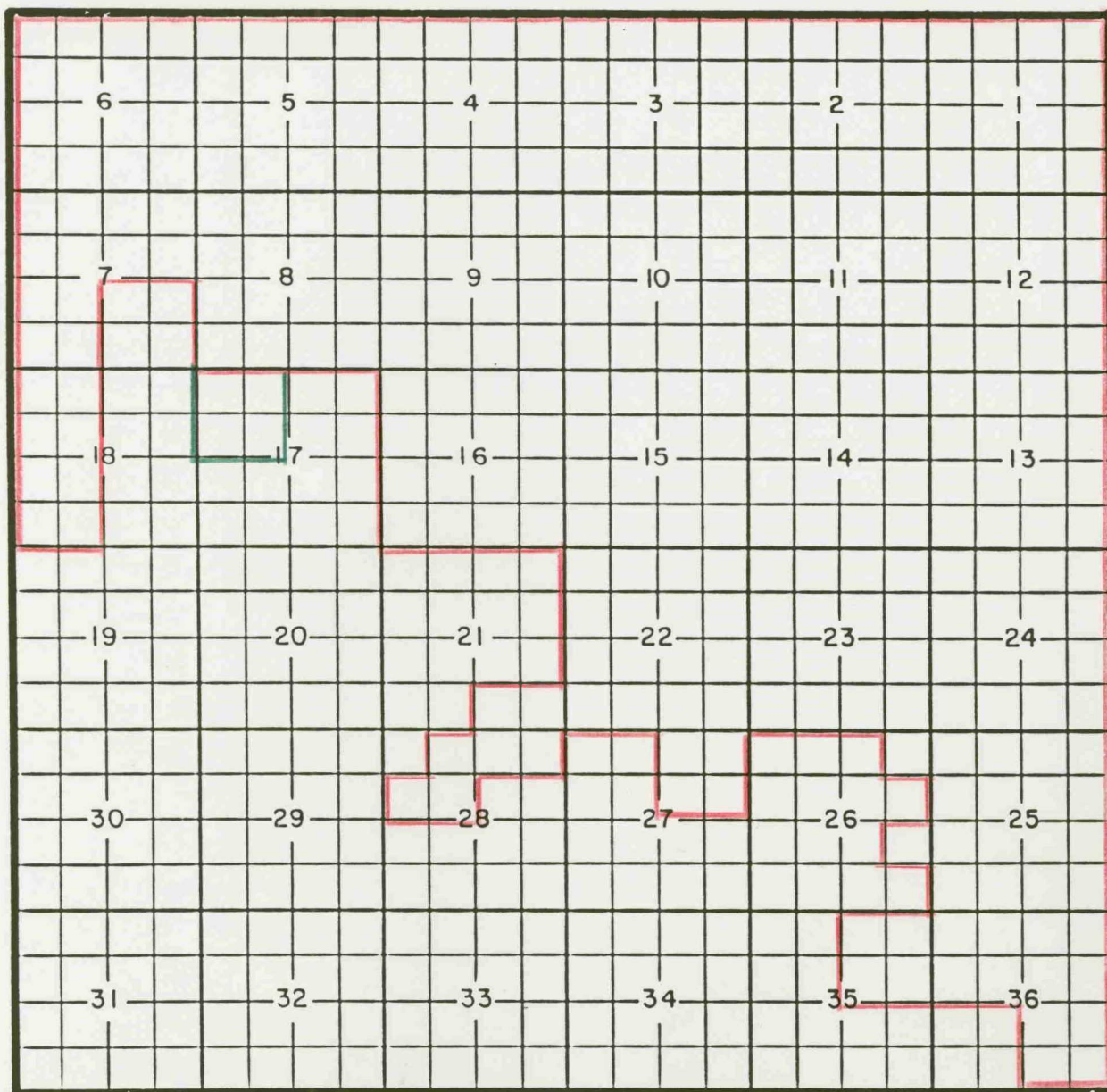
COUNTY LEA

POOL BLINEBRY OIL & GAS

TOWNSHIP 22 South

RANGE 37 East

NMPM



PURPOSE: One completed oil capable of producing.

Zia Energy Inc. New Mexico M State Well No. 48-D, Sec 17, T22S, R37E, completed December 4, 1987, in the Blinebry formation. The top of the perforations is at 5,496 feet.

Pool boundary outlined in red.

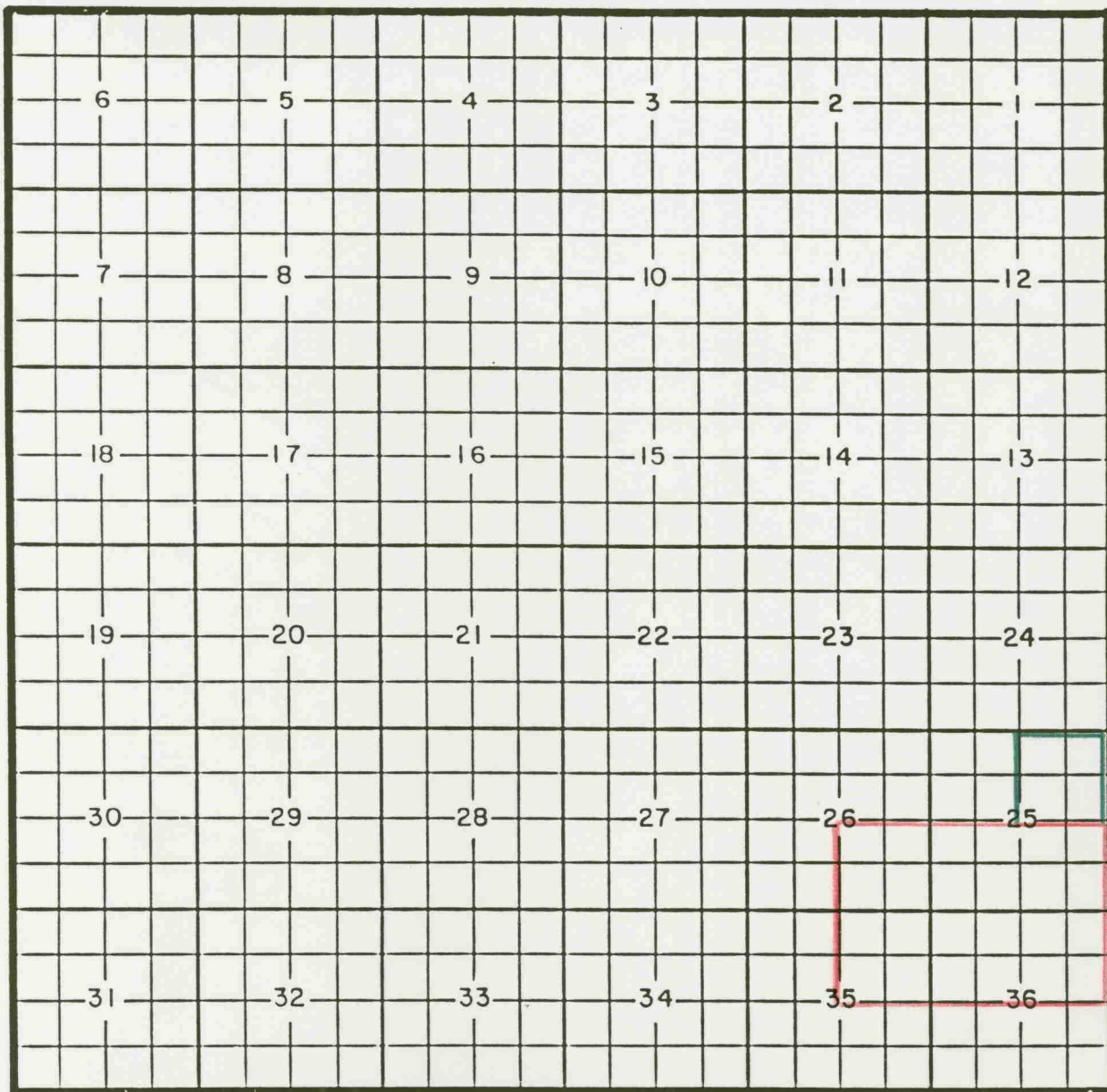
Proposed pool extension outlined in green. Section 17: NW/4

COUNTY LEA

POOL DK-ABO

TOWNSHIP 20 South RANGE 38 East

NMPM



PURPOSE: One completed oil well capable of producing.

3 Way Operating Company D-K Well No. 1-A, Sec 25, T20S, R38E, completed February 16, 1988, in the Abo formation. The top of the perforations is at 7,199 feet.

Pool boundary outlined in red.

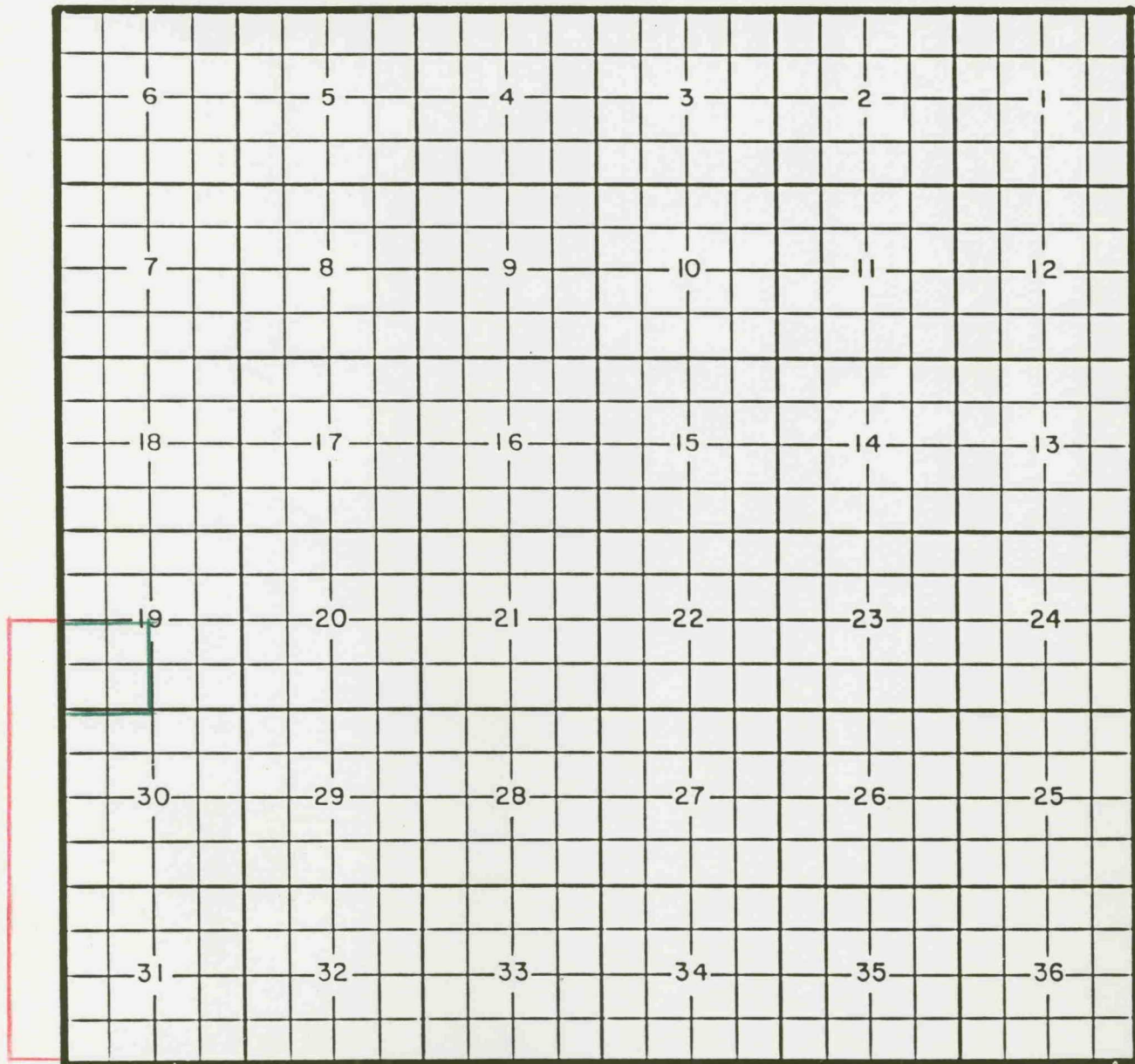
Proposed pool extension outlined in green. Section 25: NE/4

COUNTY LEA POOL KING-WOLFCAMP

TOWNSHIP 13 South

RANGE 38 East

NMPM



PURPOSE: One completed oil well capable of producing.

Maralo Inc. Huber Lowe Well No. 1-M, Sec 19, T13S, R38E, completed February 25, 1988, in the Wolfcamp formation. The top of the perforations is at 9,653 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 19: SW/4

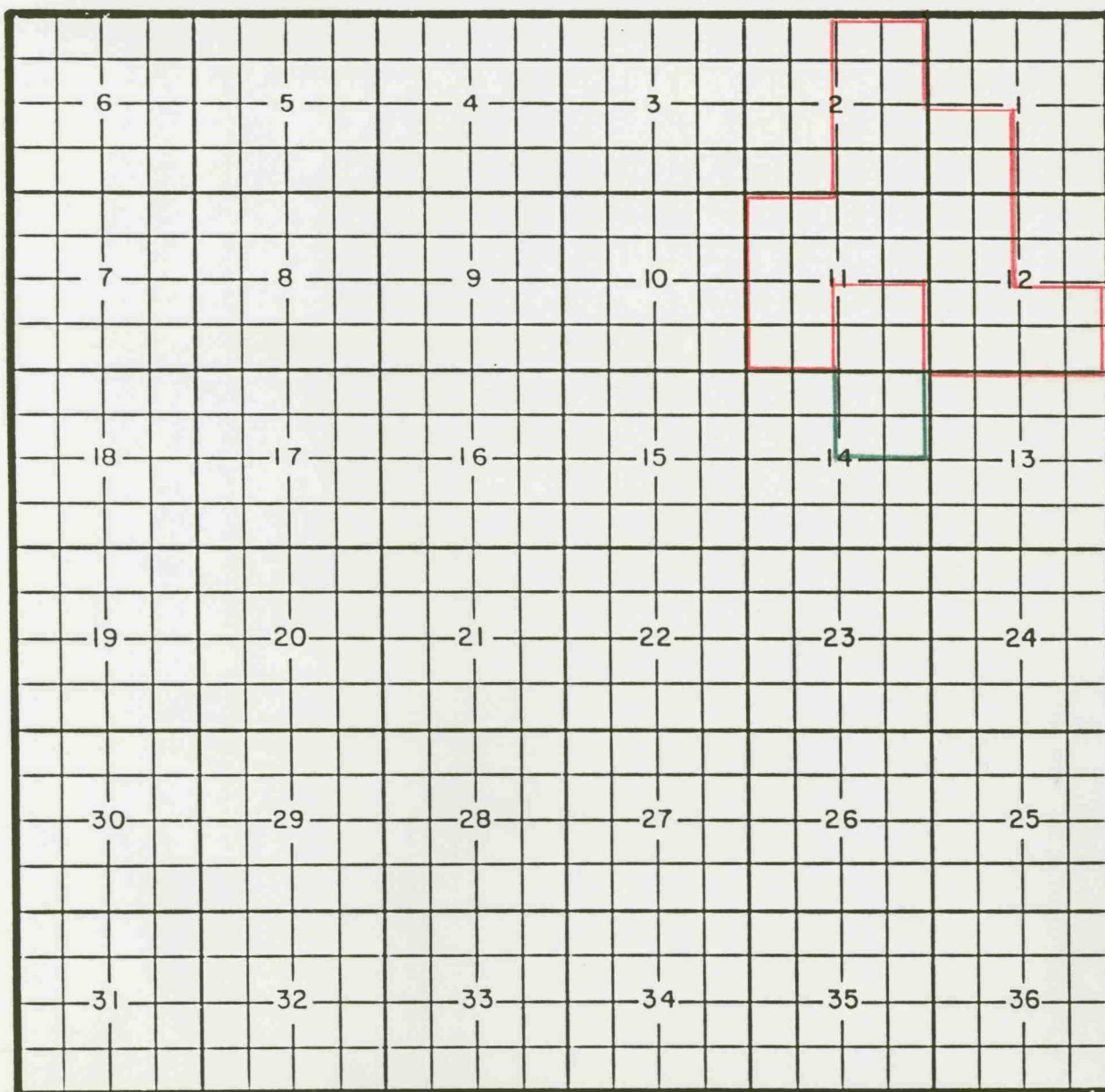
COUNTY LEA

POOL LEA-BONE SPRING

TOWNSHIP 20 South

RANGE 34 East

NMPM



PURPOSE: One completed oil well capable of producing.

Marathon Oil Company Lea Unit Well #14-A, Sec. 14, T20S, R34E, completed February 22, 1988, in the Bone Spring formation. The top of the perforations is at 10,162 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 11: SE/4

Section 14: NE/4

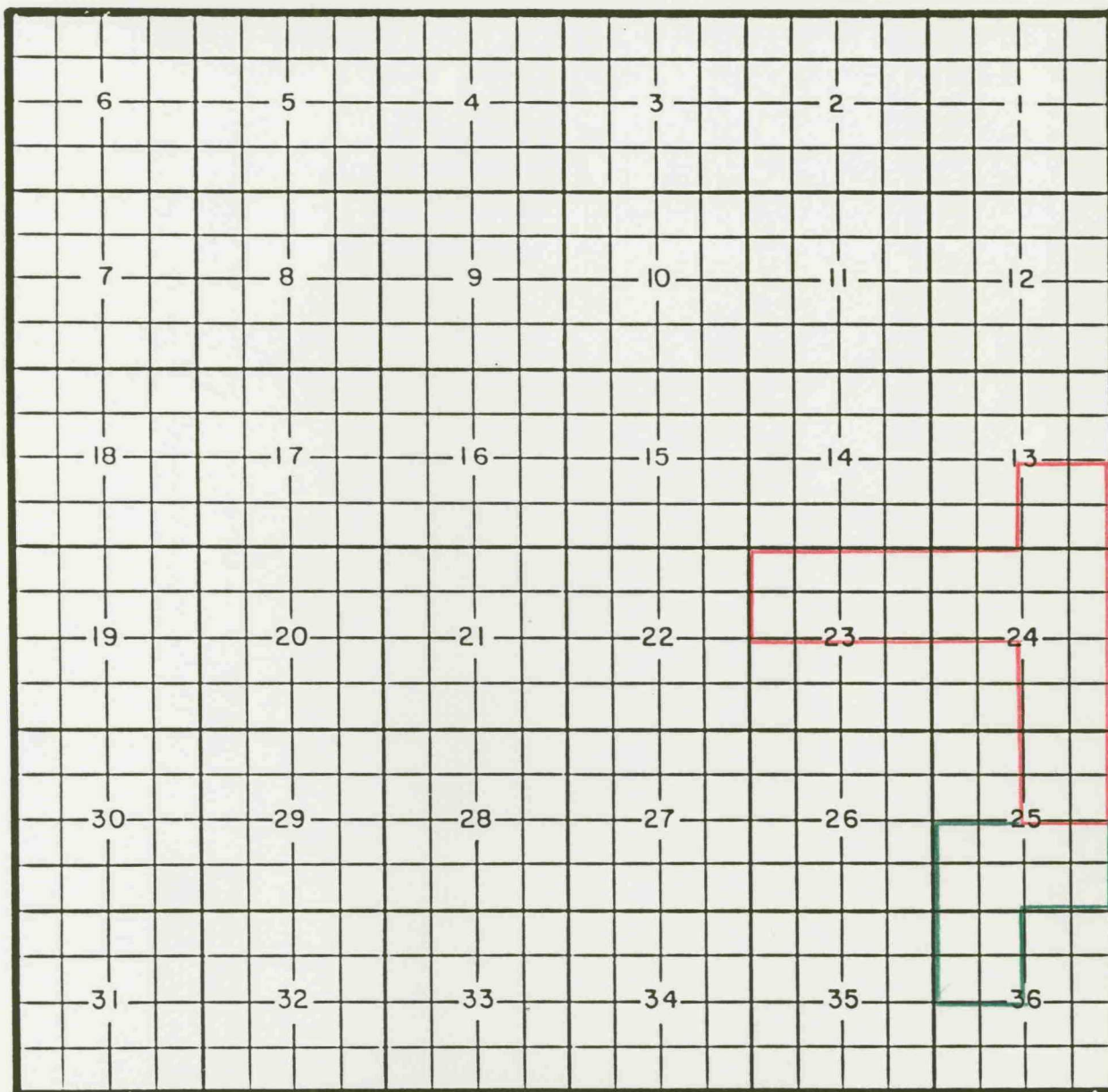
COUNTY LEA

POOL LEA-SAN ANDRES

TOWNSHIP 19 South

RANGE 34 East

NMPM



PURPOSE: One completed oil well capable of producing.

C. W. Trainer Lea DS Well No. 1-E, Sec 36, T19S, R34E, completed January 16, 1988, in the San Andres formation. The top of the perforations is at 6,070 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 25: S/2

Section 36: NW/4

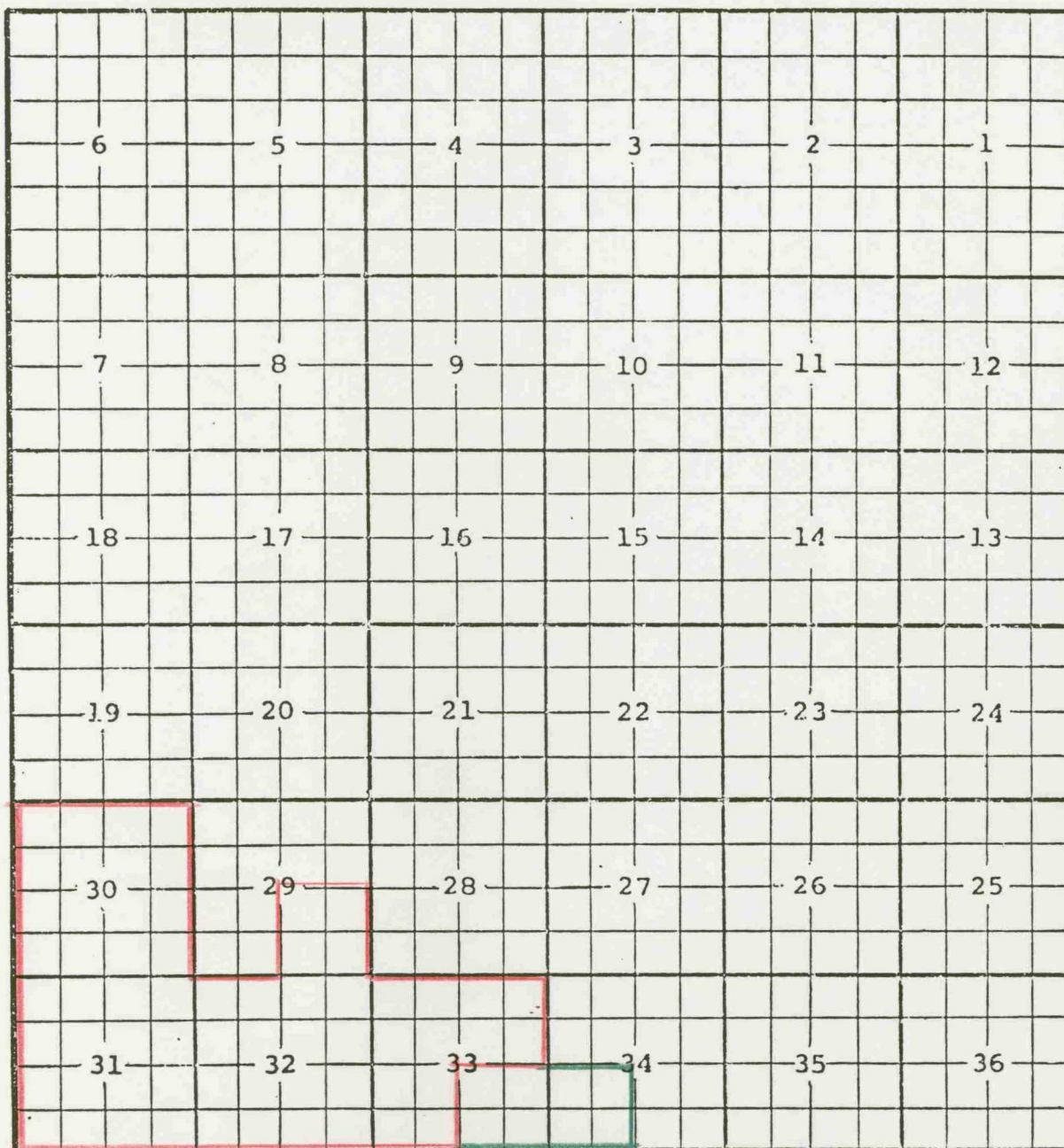
COUNTY LEA

POOL LOVINGTON-PADDOCK

TOWNSHIP 16 South

RANGE 37 East

NMFM



PURPOSE: One completed oil well capable of producing.

Union Texas Petroleum Corporation Shipp 34 Well #2-M, Sec 34. T16S, R37E, completed January 28, 1988, in the Paddock formation. The top of the perforations is at 6,385 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 33: SE/4

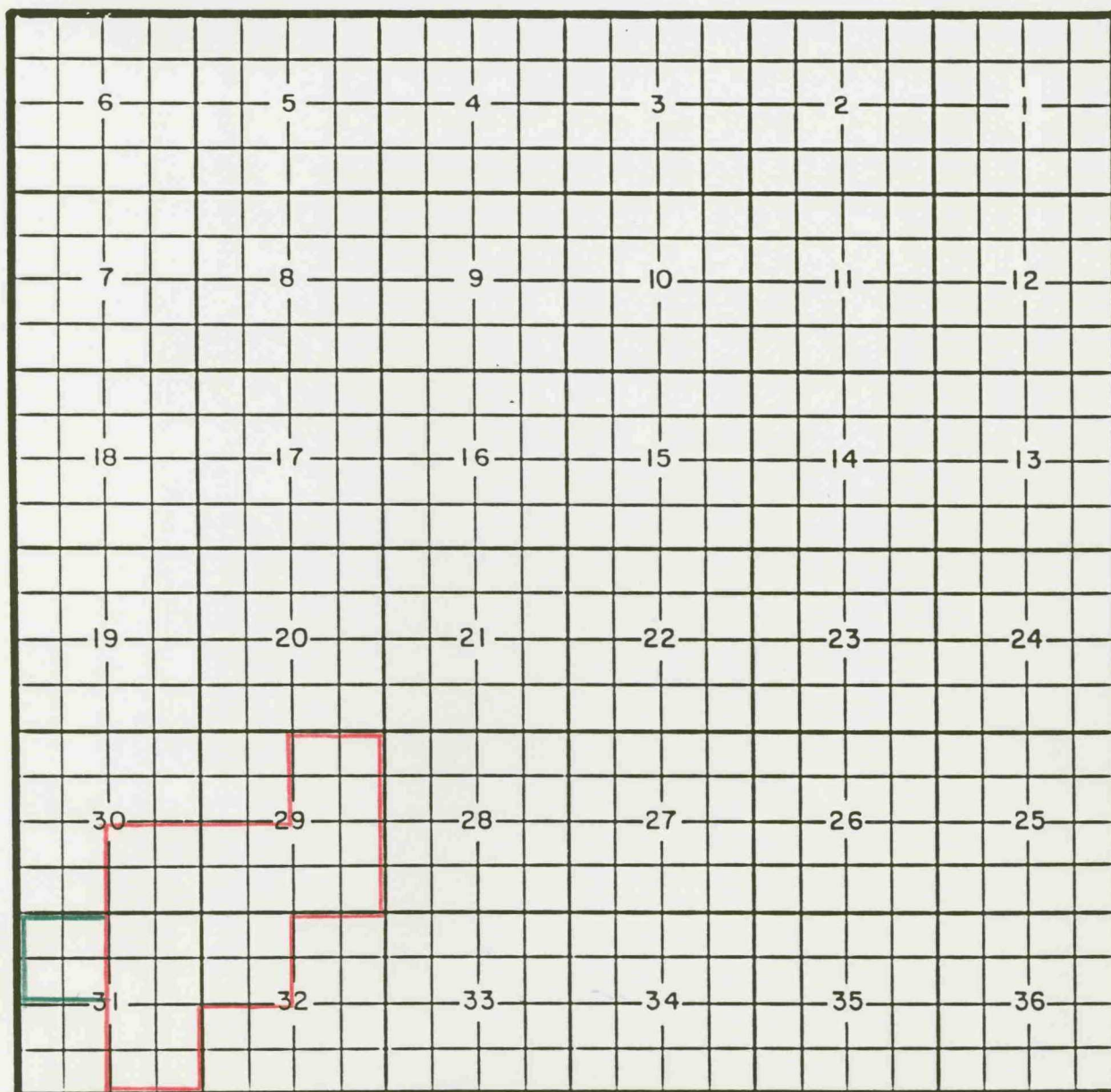
Section 34: SW/4

COUNTY LEA

POOL WEST LUSK-DELAWARE

TOWNSHIP 19 South RANGE 32 East

NMPM



PURPOSE: One completed oil well capable of producing.

Anadarko Petroleum Corporation Polewski Fed Well No. 1-D, Sec 31, T19S, R32E, completed February 12, 1988, in the Delaware formation. The top of the perforations is at 7,024 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 31: NW/4

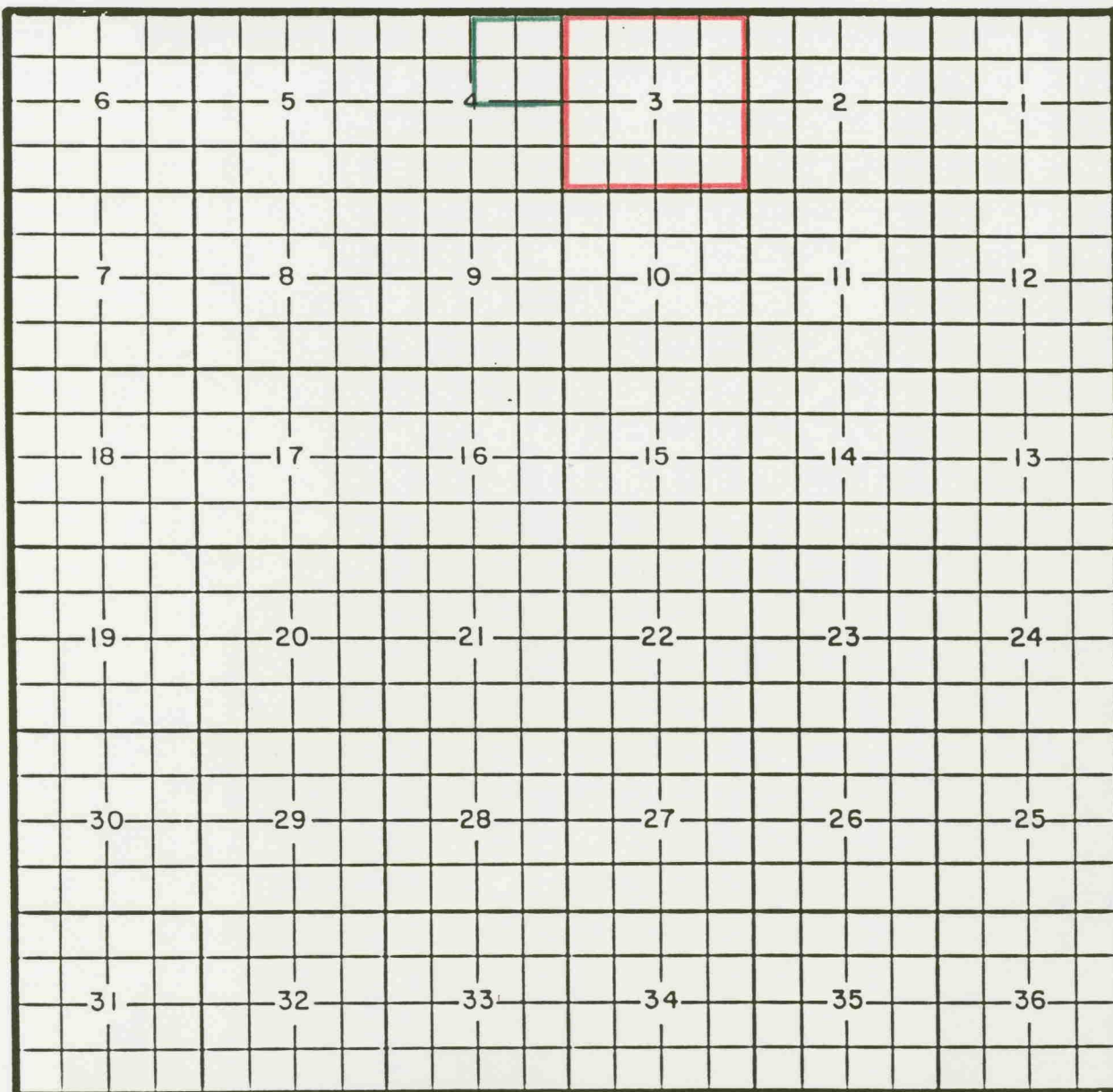
COUNTY LEA

POOL NORTH LUSK-SEVEN RIVERS

TOWNSHIP 19 South

RANGE 32 East

NMPM



PURPOSE: One completed oil well capable of producing.

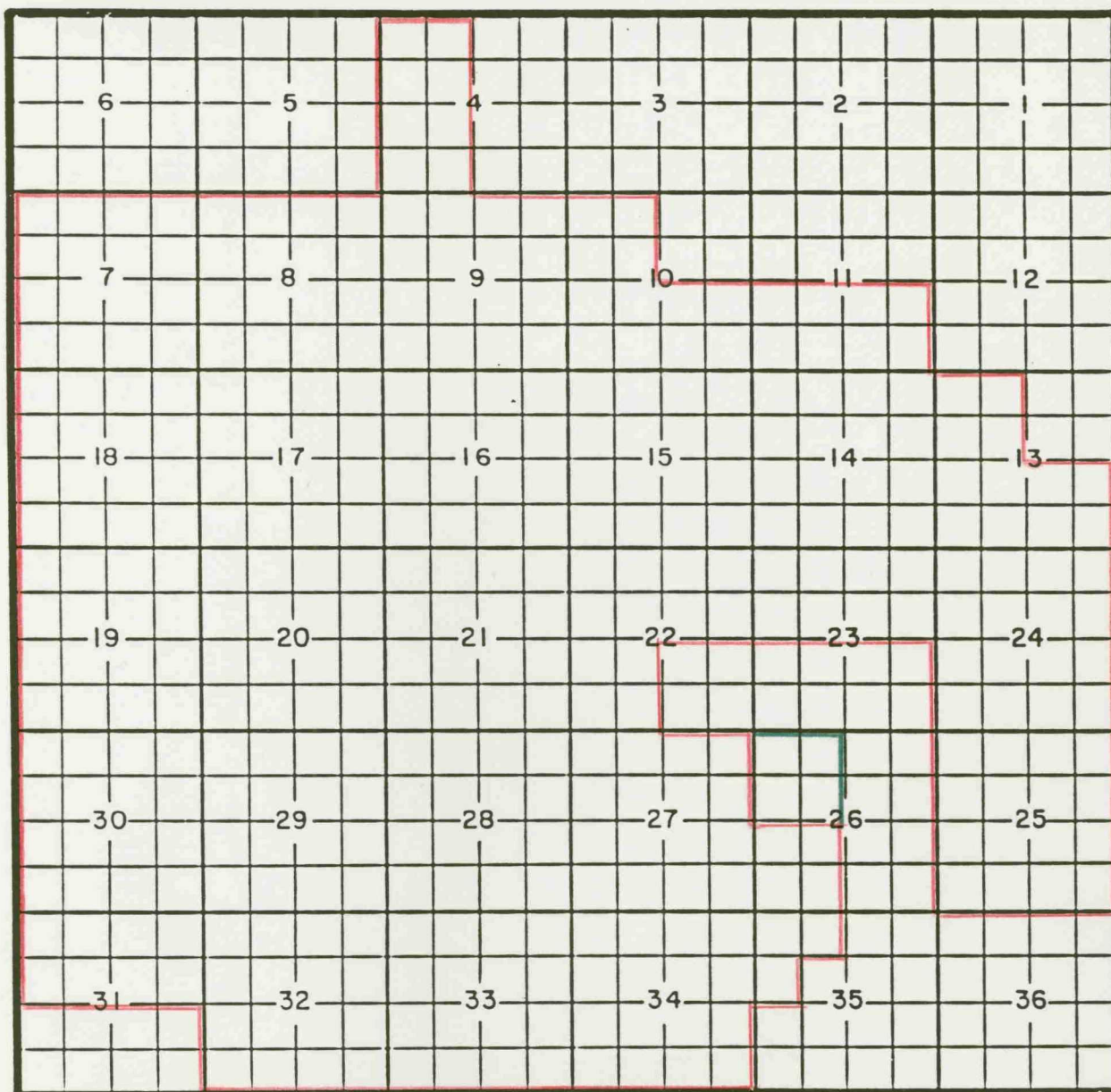
Chevron U.S.A. Inc. Patterson Federal Well No. 1-A, Sec 4, T19S, R32E, completed February 9, 1988, in the Seven Rivers formation. The top of the perforations is at 3,819 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 4: NE/4

COUNTY LEA POOL MALJAMAR GRAYBURG-SAN ANDRES

TOWNSHIP 17 South RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

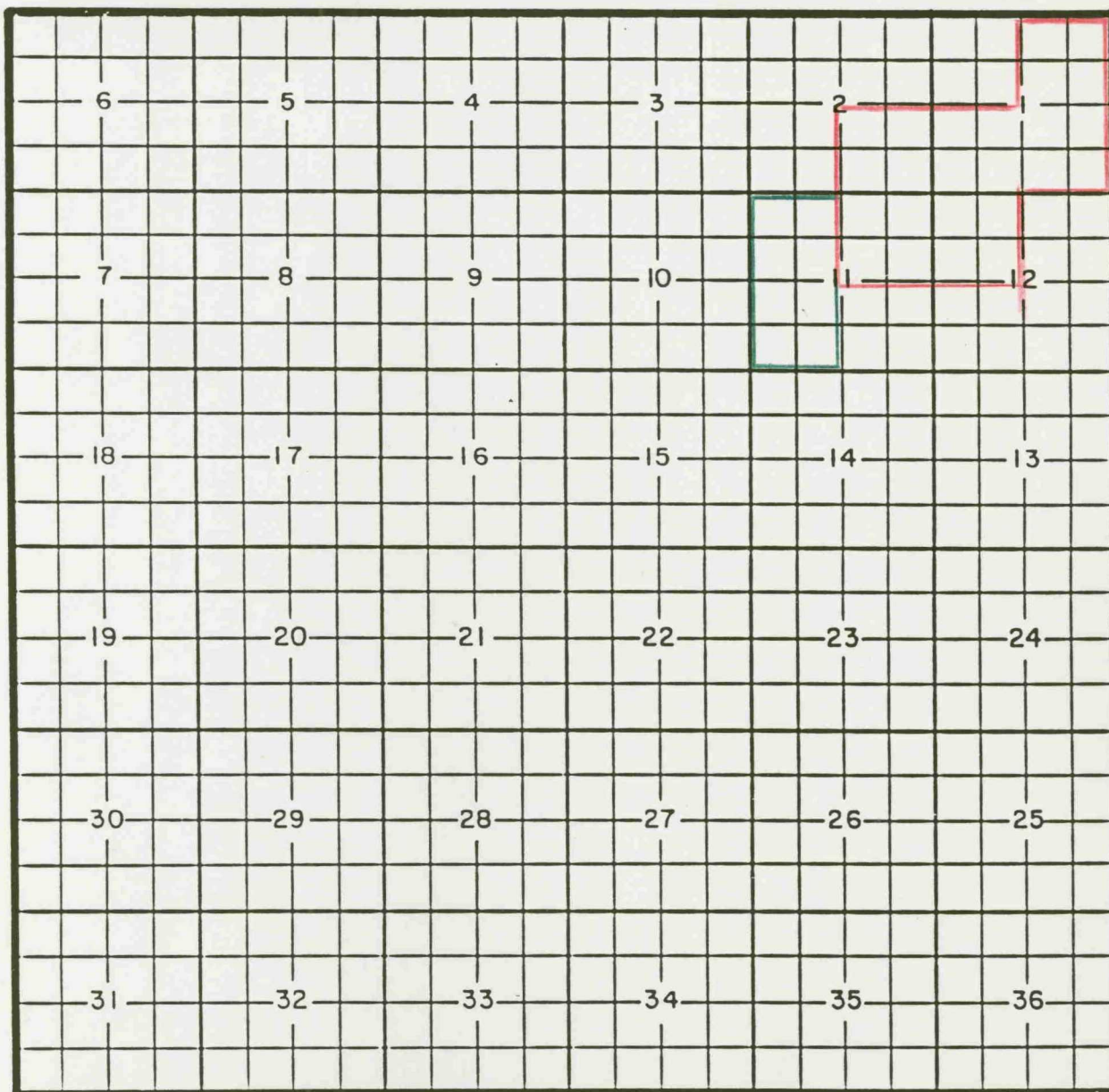
Phillips Petroleum Company Philmex Well No. 27-F, Sec 26, T17S, R33E, completed March 10, 1988, in the Gbayburg-San Andres formation. The top of the perforations is at 4,218 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 26: NW/4

COUNTY LEA POOL SANMAL-QUEEN

TOWNSHIP 17 South RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

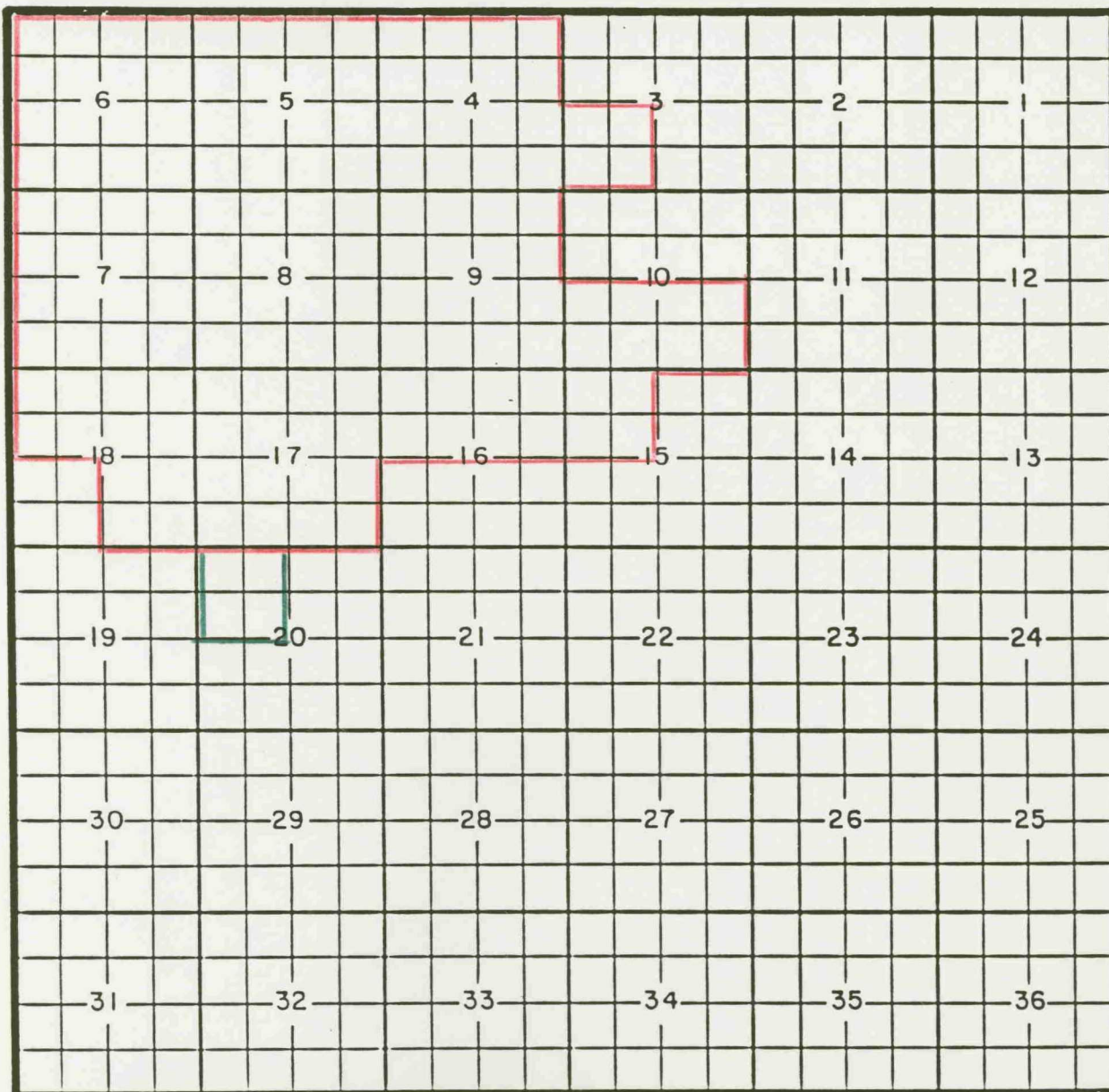
Petrus Oil Company L.P. State D Well No. 2-L, Sec 11, T17S, R33E, completed March 12, 1988, in the Queen formation. The top of the perforations is at 3,757 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 11: W/2

COUNTY LEA POOL SCHARB-BONE SPRING

TOWNSHIP 19 South RANGE 35 East NMPM



PURPOSE: One completed oil well capable of producing.

Manzano Oil Corporation Richardson Well No. 1-C, Sec 20, T19S, R35E, completed March 11, 1988, in the Bone Spring formation. The top of the perforations is at 9,671 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 20: NW/4

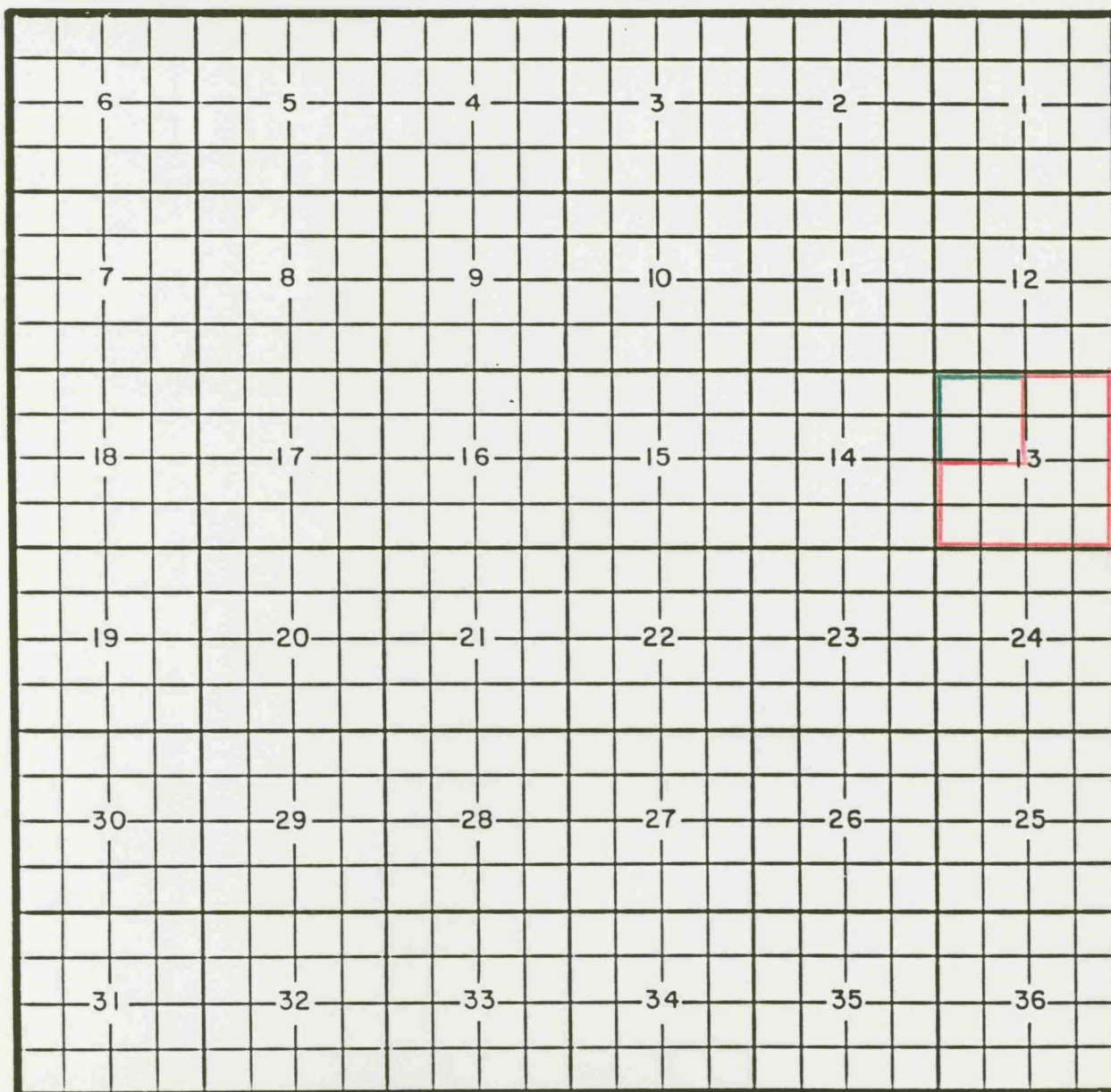
COUNTY LEA

POOL WEST TONTO YATES-SEVEN RIVERS

TOWNSHIP 19 South

RANGE 32 East

NMPM



PURPOSE: One completed oil well capable of producing.

Hopper-Barnett Inc. Bondurant Federal Well No. 2-E, Sec 13, T19S, R32E,

completed February 26, 1988, in the Yates formation. The top of the perforations is at 3,159 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 13: NW/4

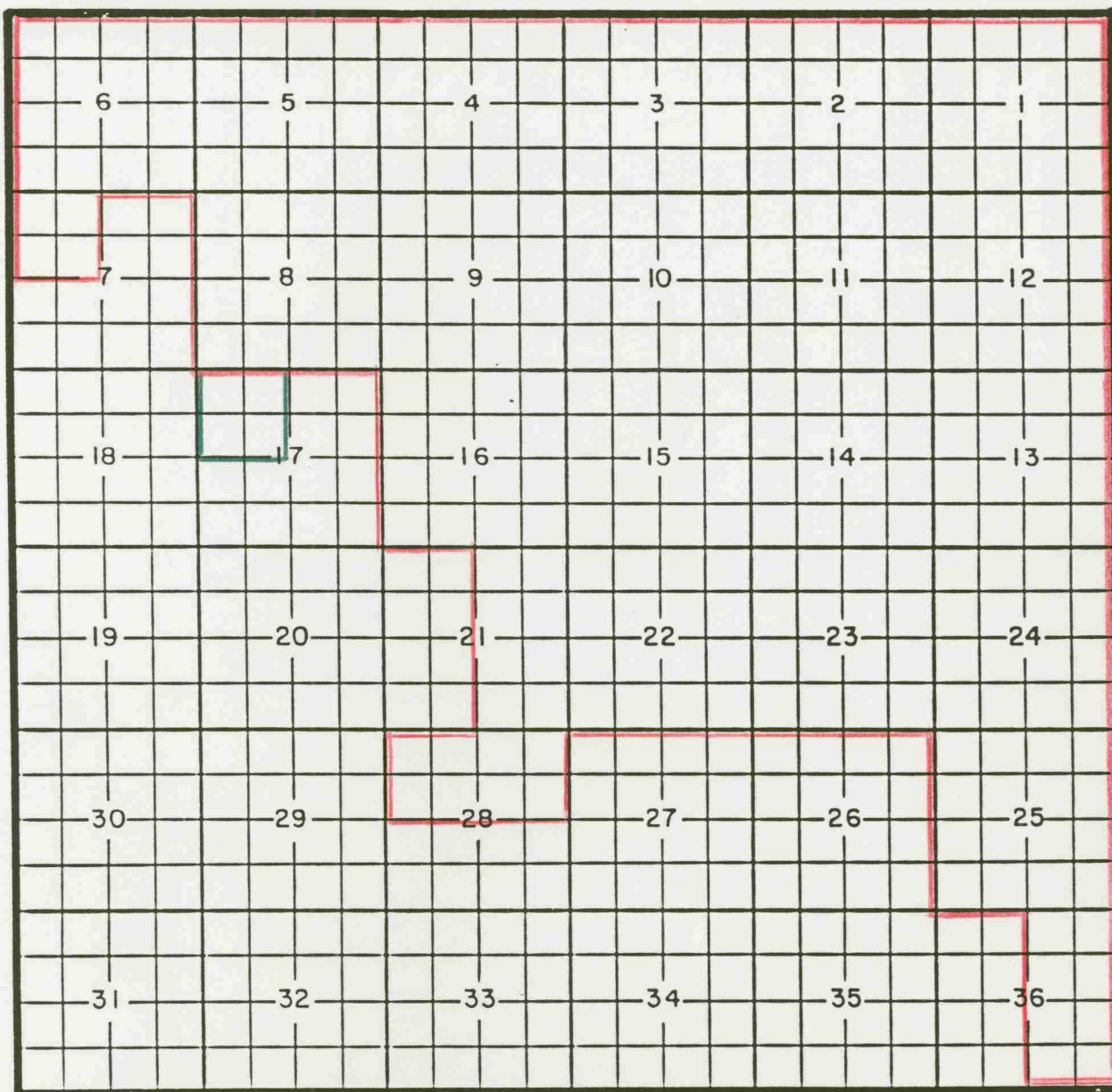
COUNTY LEA

POOL TUBB OIL & GAS

TOWNSHIP 22 South

RANGE 37 East

NMPM



PURPOSE: One completed oil well capable of producing.

Zia Energy Inc. New Mexico M State Well No. 48-D, Sec 17, T22S, R37E, completed December 4, 1987, in the Tubb formation. The top of the perforations is at 6,095 feet.

Pool boundary outlined in red.

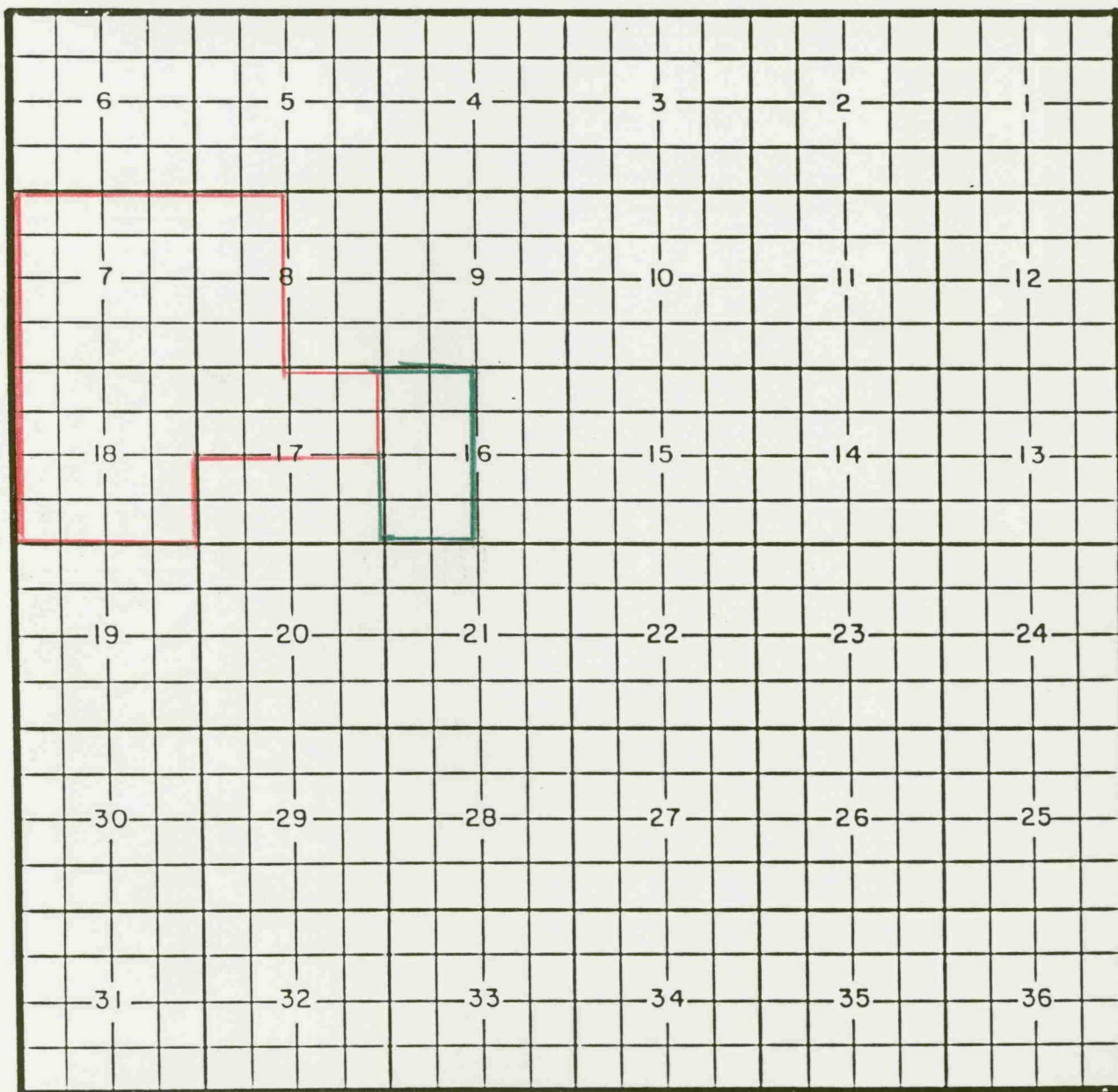
Proposed pool extension outlined in green. Section 17: NW/4

COUNTY LEA

POOL NORTH VACUUM ATOKA-MORROW GAS

TOWNSHIP 17 South RANGE 35 East

NMPM



PURPOSE: One completed gas well capable of producing.

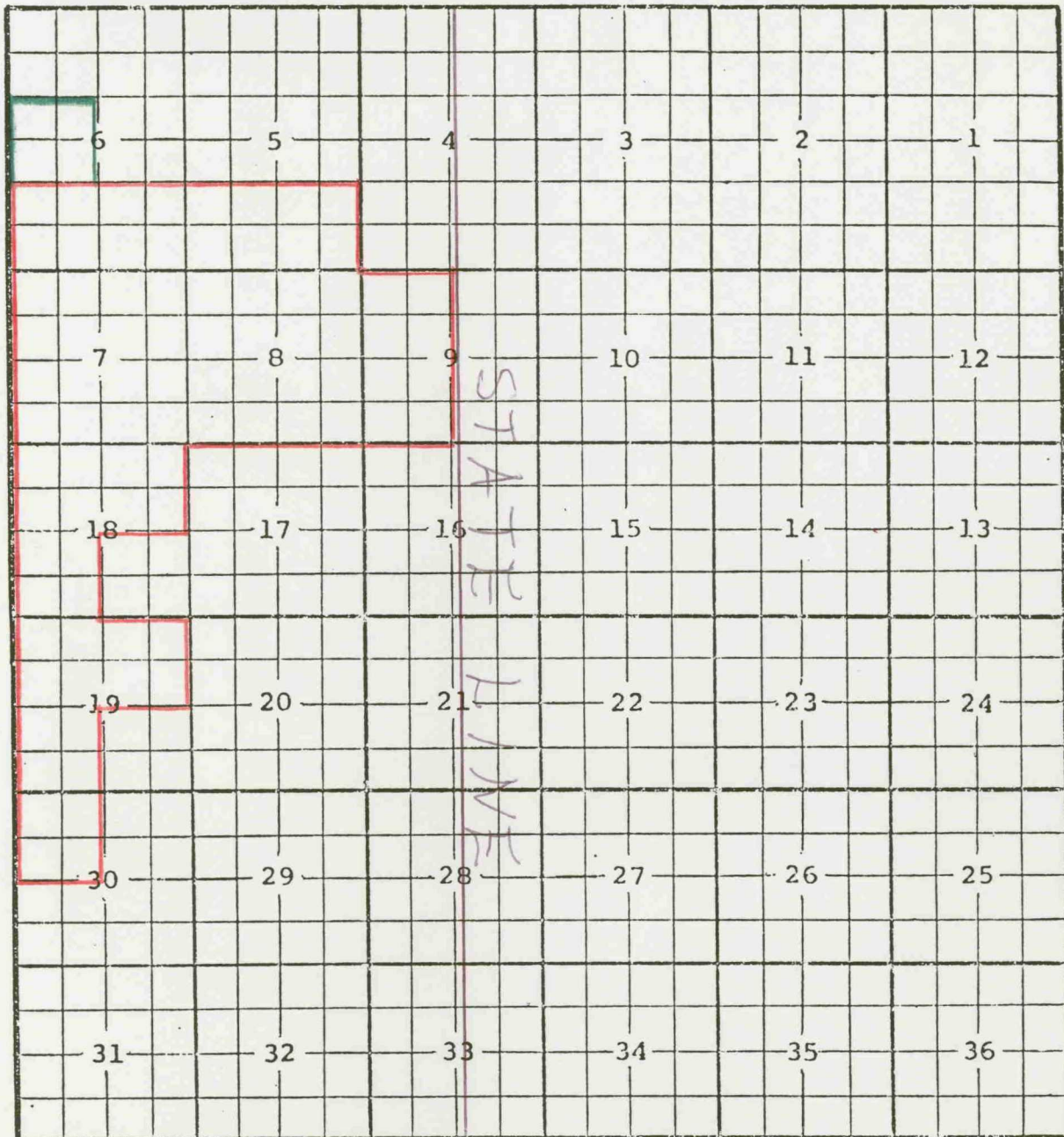
C. W. Trainer Betty State Well No. 1-L, Sec 16, T17S, R35E, completed February 20, 1988, in the Atoka formation. The top of the perforations is at 12,006 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 16: W/2

COUNTY LEA POOL WANTZ-ABO

TOWNSHIP 21 South RANGE 38 East NMFM



PURPOSE: One completed oil well capable of producing.

Marshall & Winston Inc. McNeill A Well No. 1-L, Sec 6, T21S, R38E, completed February 4, 1988, in the Abo formation. The top of ther perforations is at 7,250 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 6: Lots 11, 12, 13 and 14

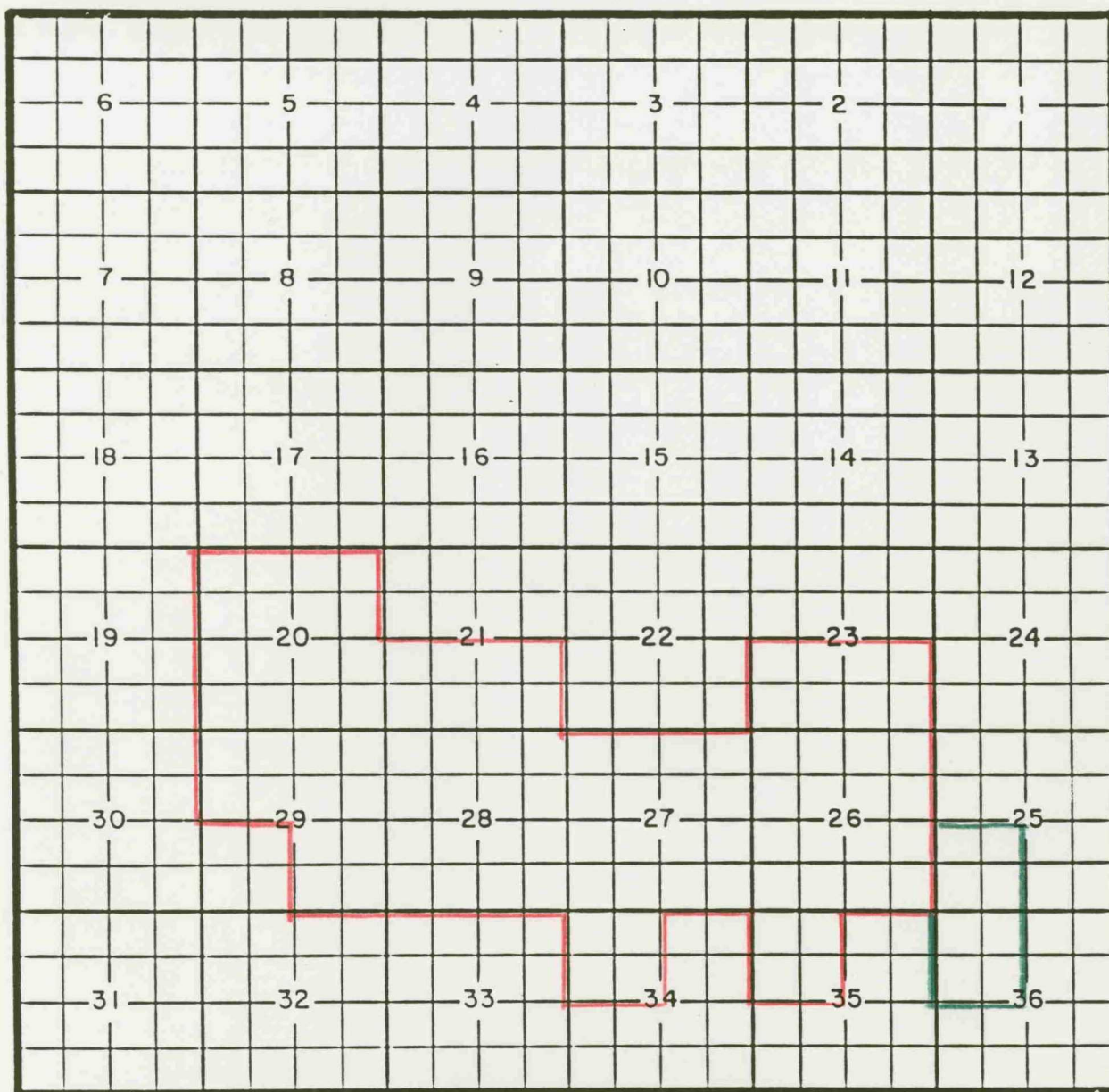
COUNTY LEA

POOL WARREN-TUBB GAS

TOWNSHIP 20 South

RANGE 38 East

NMPM



PURPOSE: One completed oil well capable of producing.

Mewbourne Oil Company Gulf State Well No. 1-E, Sec 36, T20S, R38E, completed September 8, 1987, in the Tubb formation. The top of the perforations is at 6,612 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 25: SW/4

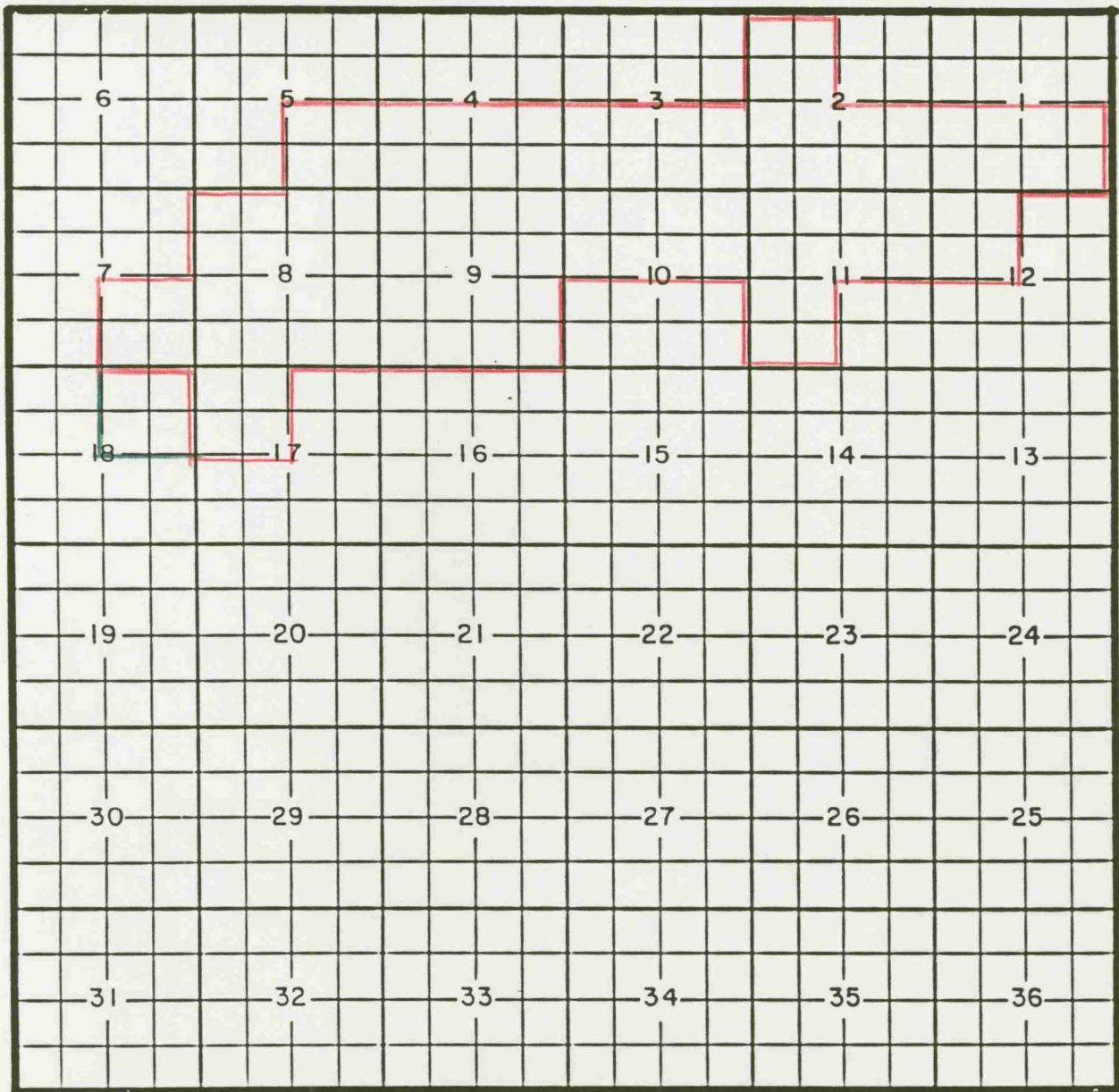
Section 36: NW/4

COUNTY LEA

POOL NORTH YOUNG-BONE SPRING

TOWNSHIP 18 South RANGE 32 East

NMPM



PURPOSE: One completed oil well capable of producing.

Manzano Oil Corporation Zion Federal Well No. 1-A, Sec 18, T18S, R32E, completed March 25, 1988, in the Bone Spring formation. the top of the perforations is at 7,975 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 18: NE/4