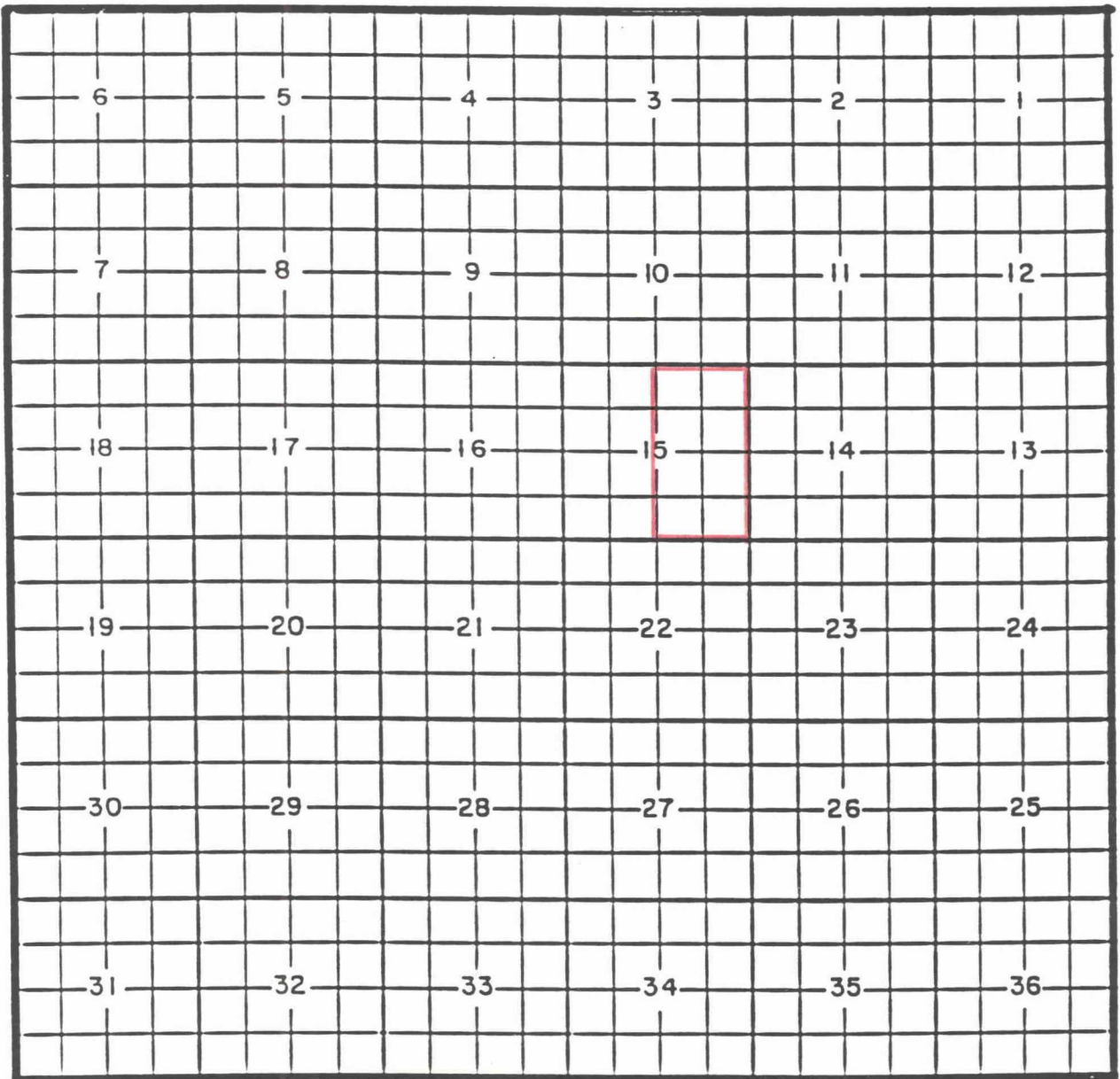


COUNTY LEA POOL TONTO-ATOKA GAS

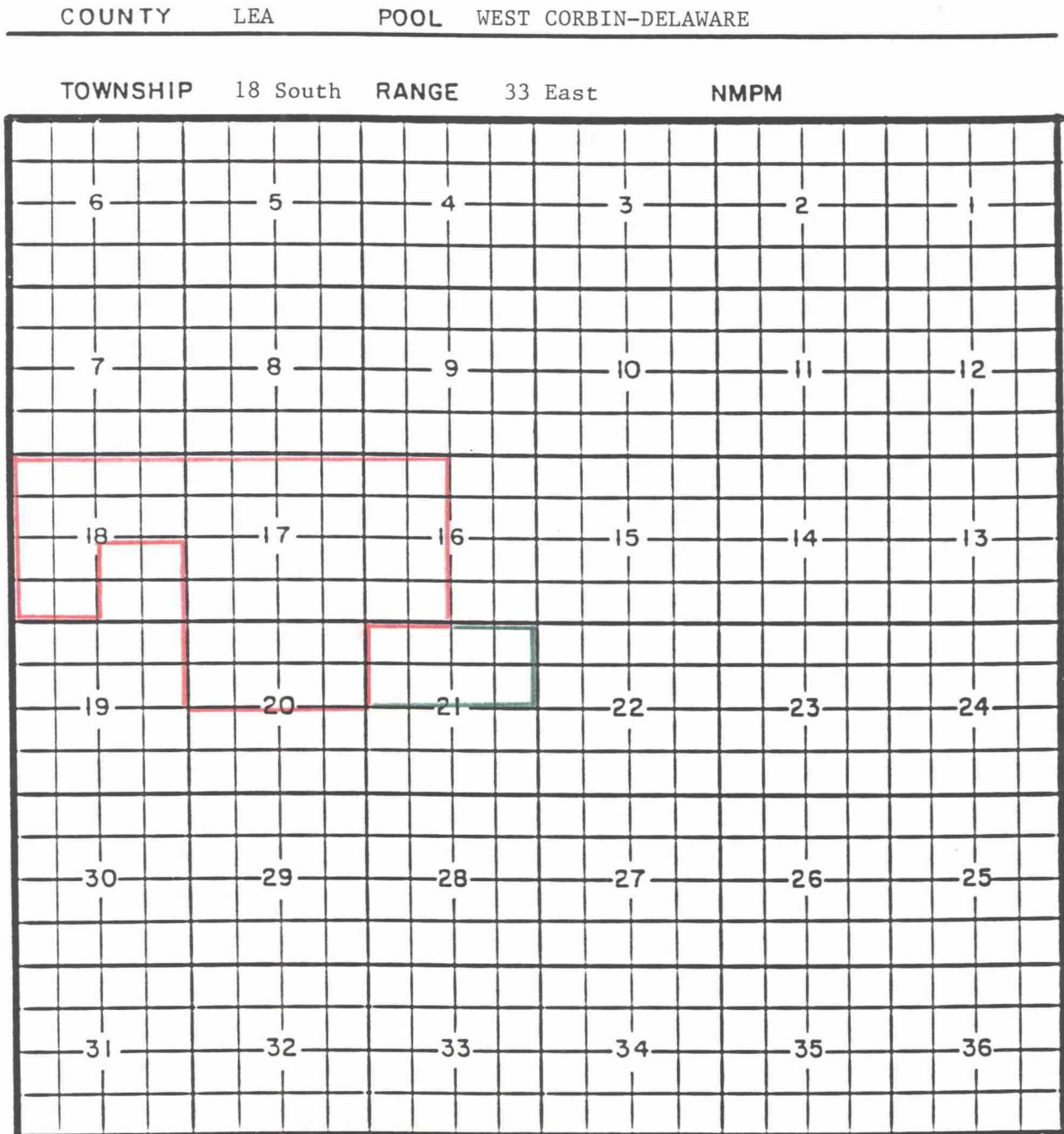
TOWNSHIP 19 South RANGE 33 East NMPM



PURPOSE: One completed gas well capable of producing.

Manzano Oil Company Wynell Federal Well No. 1 located in Unit I of Section 15, Township 19 South, Range 33 East, NMPM. It was completed August 25, 1989, in the Atoka formation. The top of the perforations is at 12,630 feet.

Proposed pool boundary outlined in red. Section 15: E/2



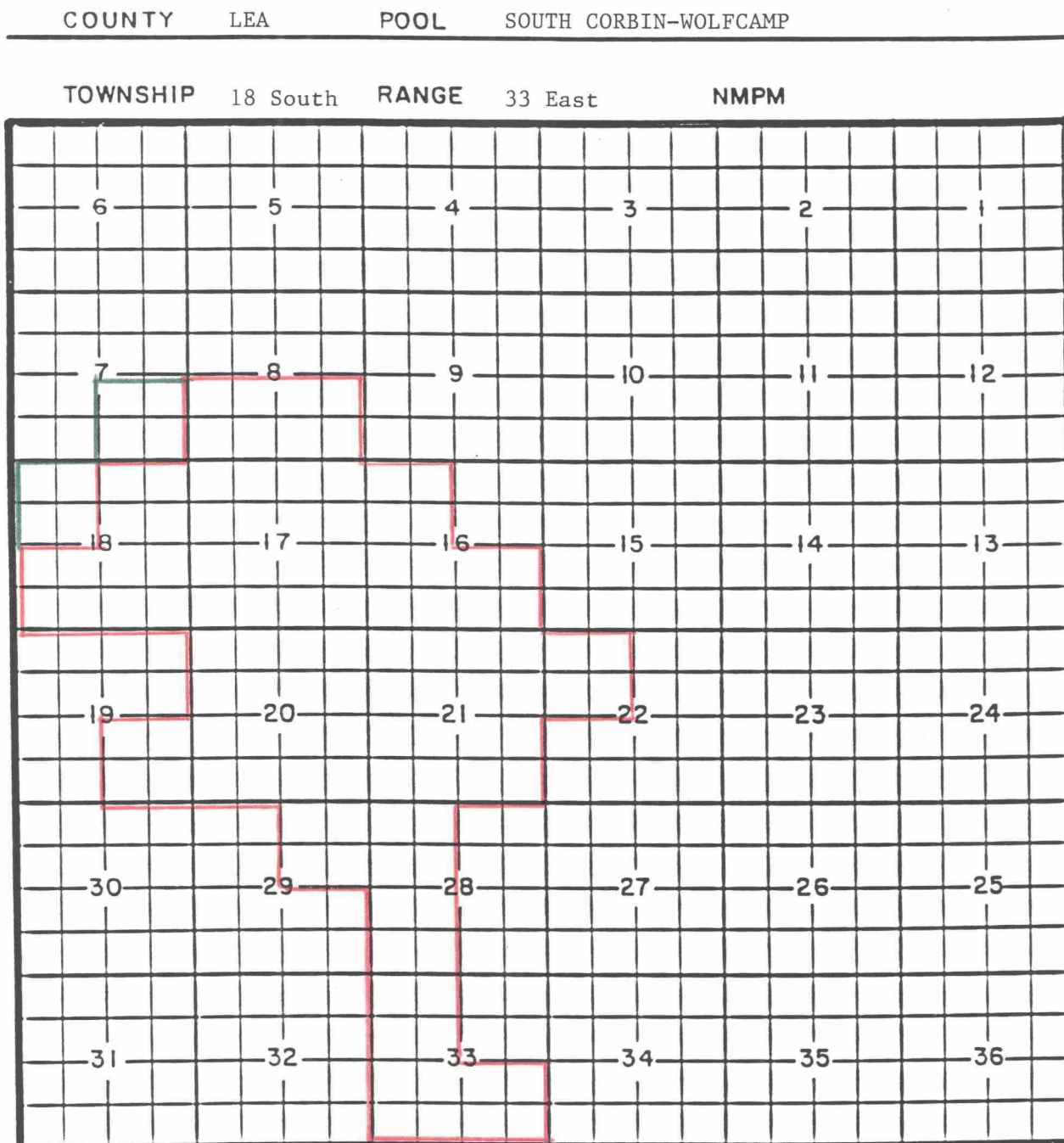
PURPOSE: Two completed oil wells capable of producing.

Southland Royalty Company Federal 21 Well No. 4 located in Unit C of Section 21, Township 18 South, Range 33 East, NMPM. It was completed January 5, 1990, in the Delaware formation. The top of the perforations is at 5,156 feet.

Southland Royalty Company Federal MA Well No. 6 located in Unit B of Section 21, Township 18 South, Range 33 East, NMPM. It was completed January 14, 1990, in the Delaware formation. The top of the perforations is at 5,140 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 21: N/2



PURPOSE: Two completed oil wells capable of producing.

Southland Royalty Company West Corbin Federal Well No. 16 located in Unit O of Section 7, Township 18 south, Range 33 East, NMPM. It was completed December 21, 1989, in the Wolfcamp formation. The top of the perforations is at 10,820 ft. Southland Royalty Company West Corbin Federal Well No. 18 located in Unit F of Section 18, Township 18 South, Range 33 East, NMPM. It was completed January 6, 1990, in the Wolfcamp formation. The top of the perfoations is at 11,274 feet. Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 7: SE/4; Section 18: NW/4



COUNTY	LEA	POOL	GEM-BONE SPRING		
TOWNSHIP	19 South	RANGE	33 East		
			NMPM		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

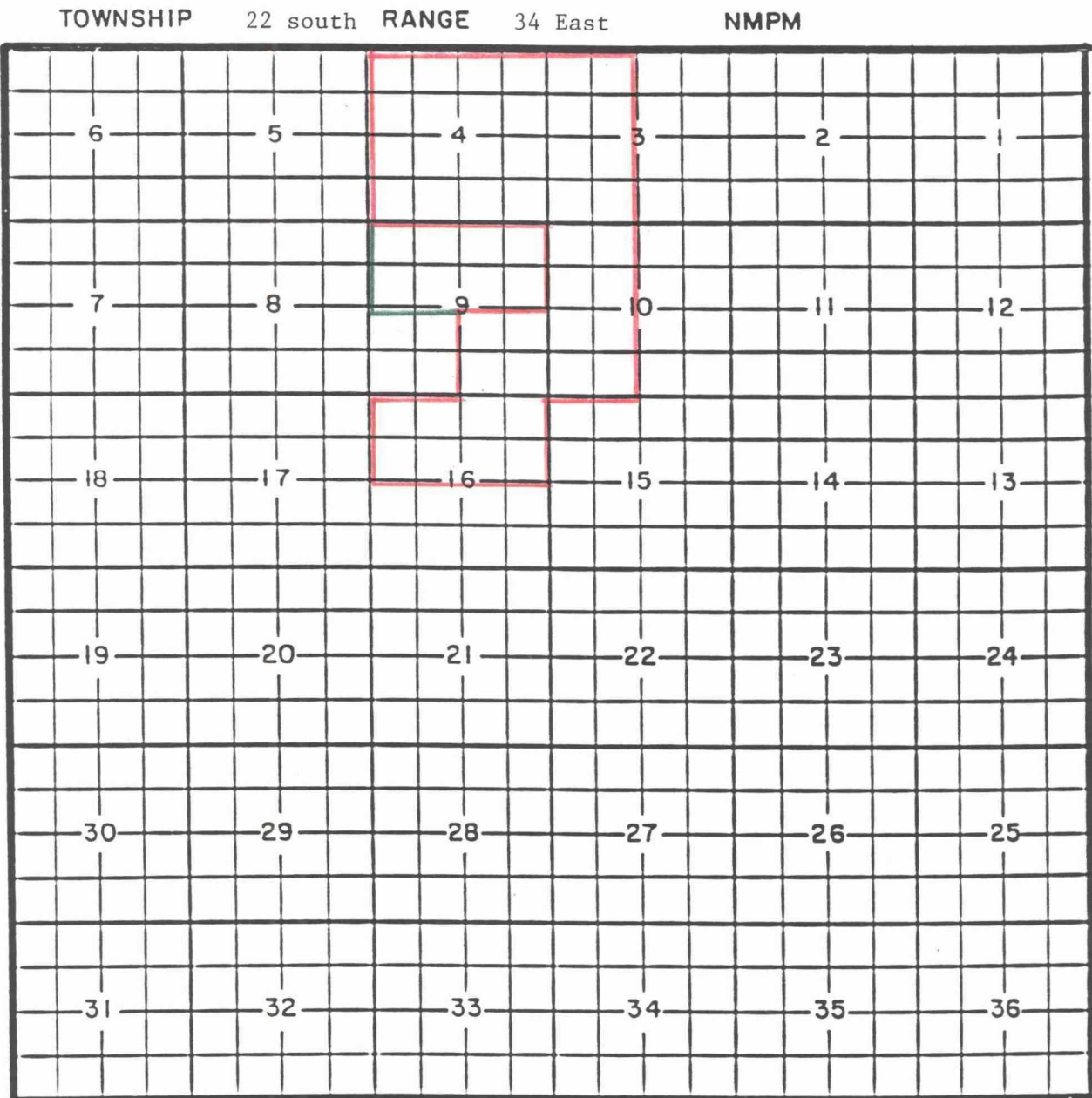
Mitchell Energy Corporation Geronimo Federal Well No. 1 located in Unit D of Section 31, Township 19 South, Range 33 East, NMPM. It was completed December 21, 1989, in the Bone Spring formation. The top of the perforations is at 9,852 feet.

Pool boundary outlined in red.

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



COUNTY LEA POOL GRAMA RIDGE-MORROW GAS



PURPOSE: One completed gas well capable of producing.

Oryx Energy Company Grama Ridge Federal Well No. 1 located in Unit B of Section 9, Township 22 South, Range 34 East, NMPM. It was completed December 3, 1989, in the Morrow formation. The top of the perforations is at 13,019 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 9: N/2

COUNTY LEA POOL LANE-SAN ANDRES

TOWNSHIP 9 South RANGE 33 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

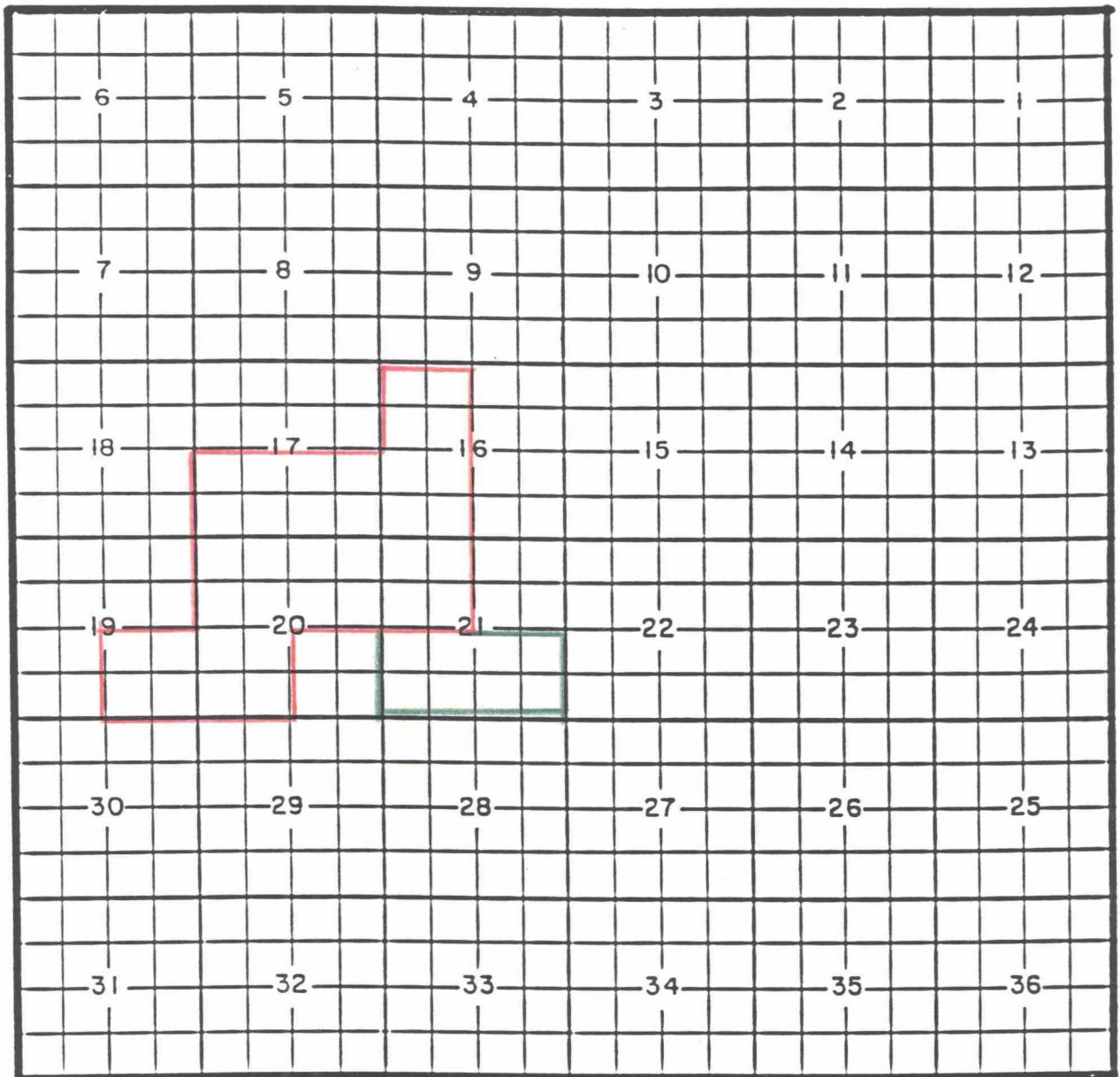
Petroleum Production Management Inc. Sunray 682 Ltd. Well No. 1 located in Unit N of Section 36, Township 9 South, Range 33 East, NMPM. It was completed December 5, 1989, in the San Andres formation. The top of the perforations is at 4,516 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 36: SW/4

COUNTY LEA POOL EAST MASON-DELAWARE

TOWNSHIP 26 South RANGE 32 East NMPM



PURPOSE: One completed oil well capable of producing.

Highland Production Company McDonald Federal Well No. 1 located in Unit J of Section 21, Township 26 South, Range 32 East, NMPM. It was completed January 10, 1990, in the Delaware formation. The top of the perforations is at 4,415 feet.

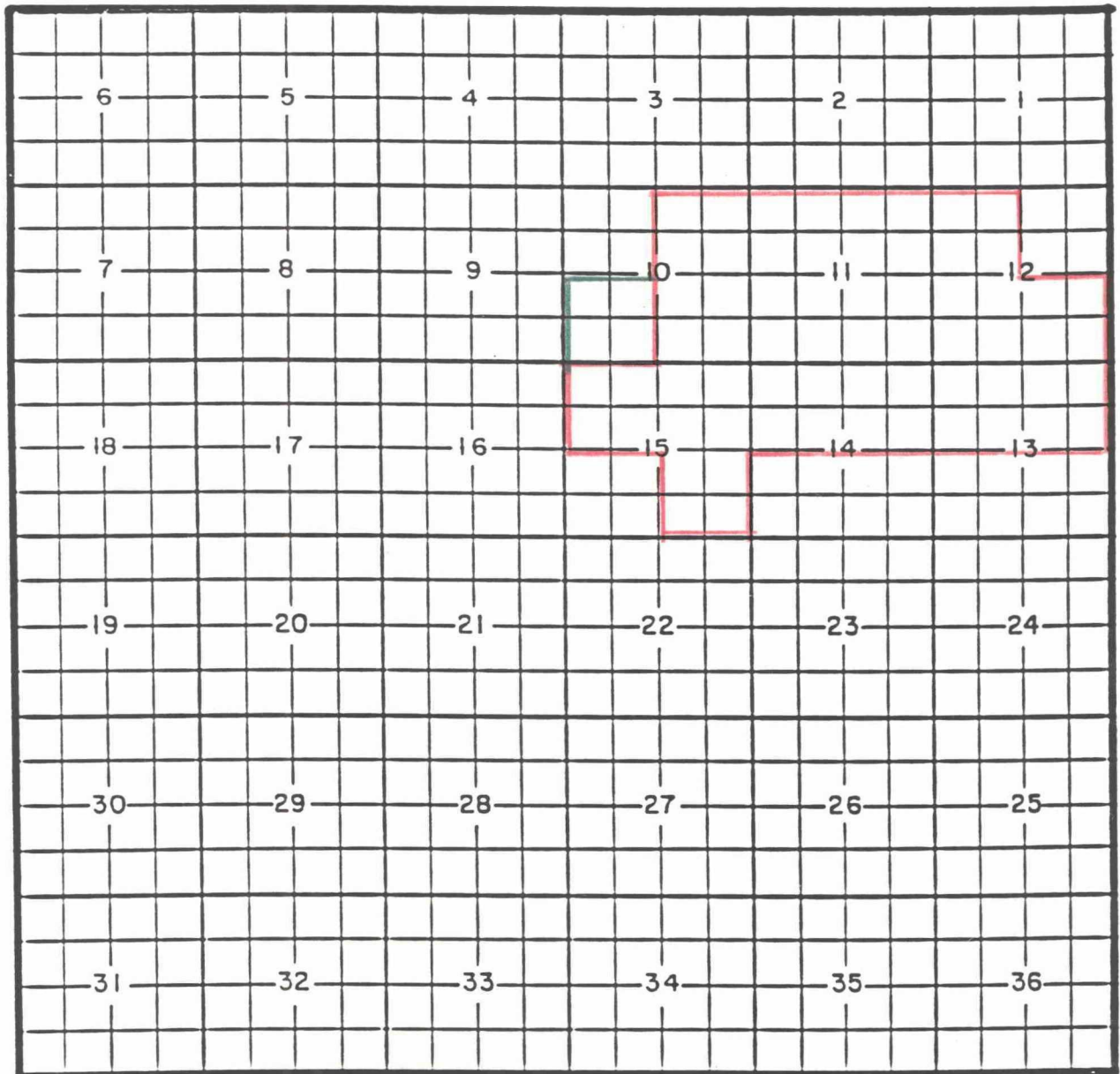
Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 21: S/2



COUNTY LEA POOL Mescalero Escarpe-Bone Spring

TOWNSHIP 18 South, RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

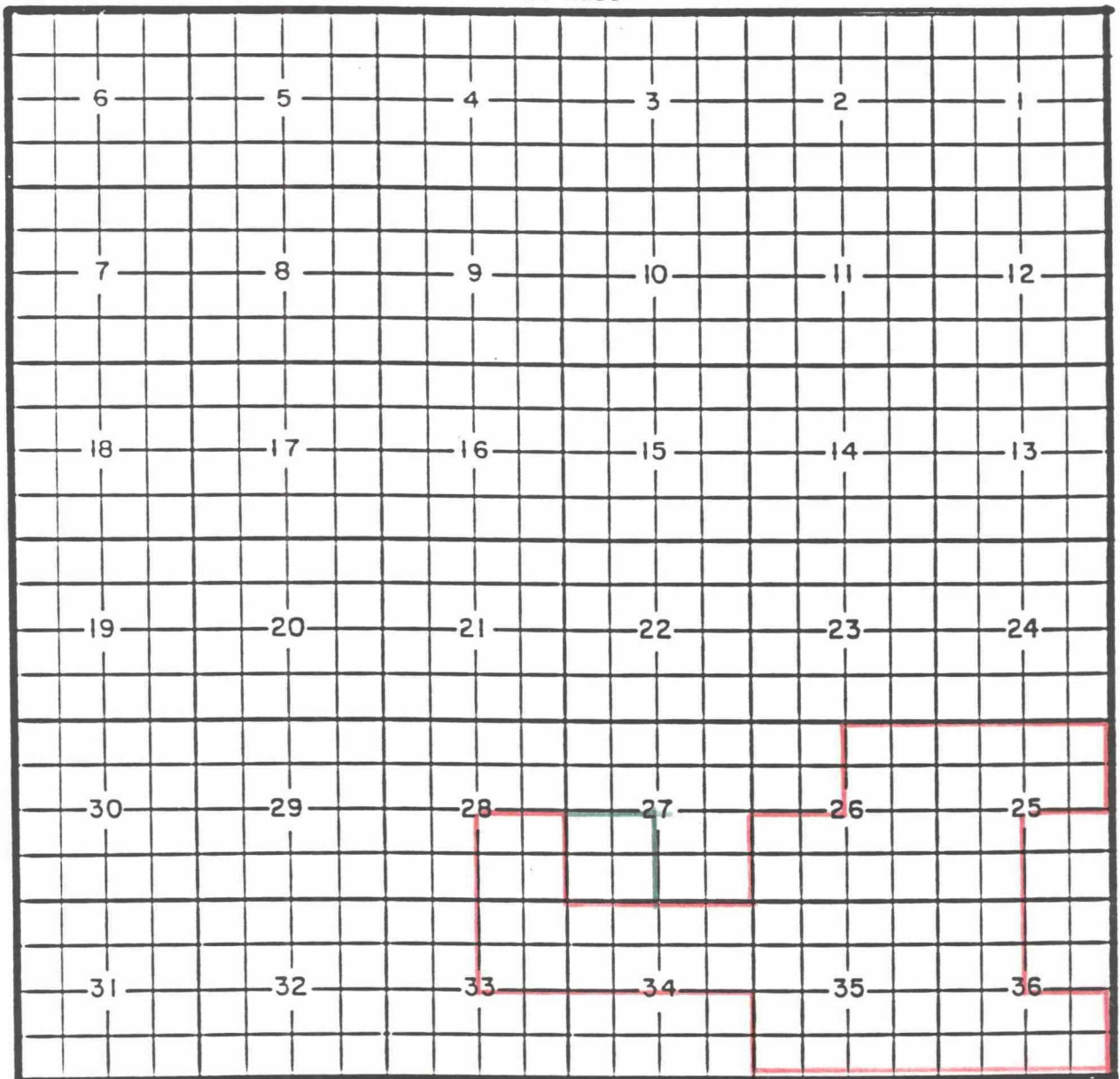
Chevron USA Inc. Cockburn G Federal Well No. 1 located in Unit L of Section 10, Township 18 South, Range 33 East, NMPM. It was completed December 31, 1989, in the Bone Spring formation. The top of the perforations is at 9,069 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 10: SW/4

COUNTY LEA POOL PEARL-QUEEN

TOWNSHIP 19 South RANGE 34 East NMMP



PURPOSE: One completed oil well capable of producing.

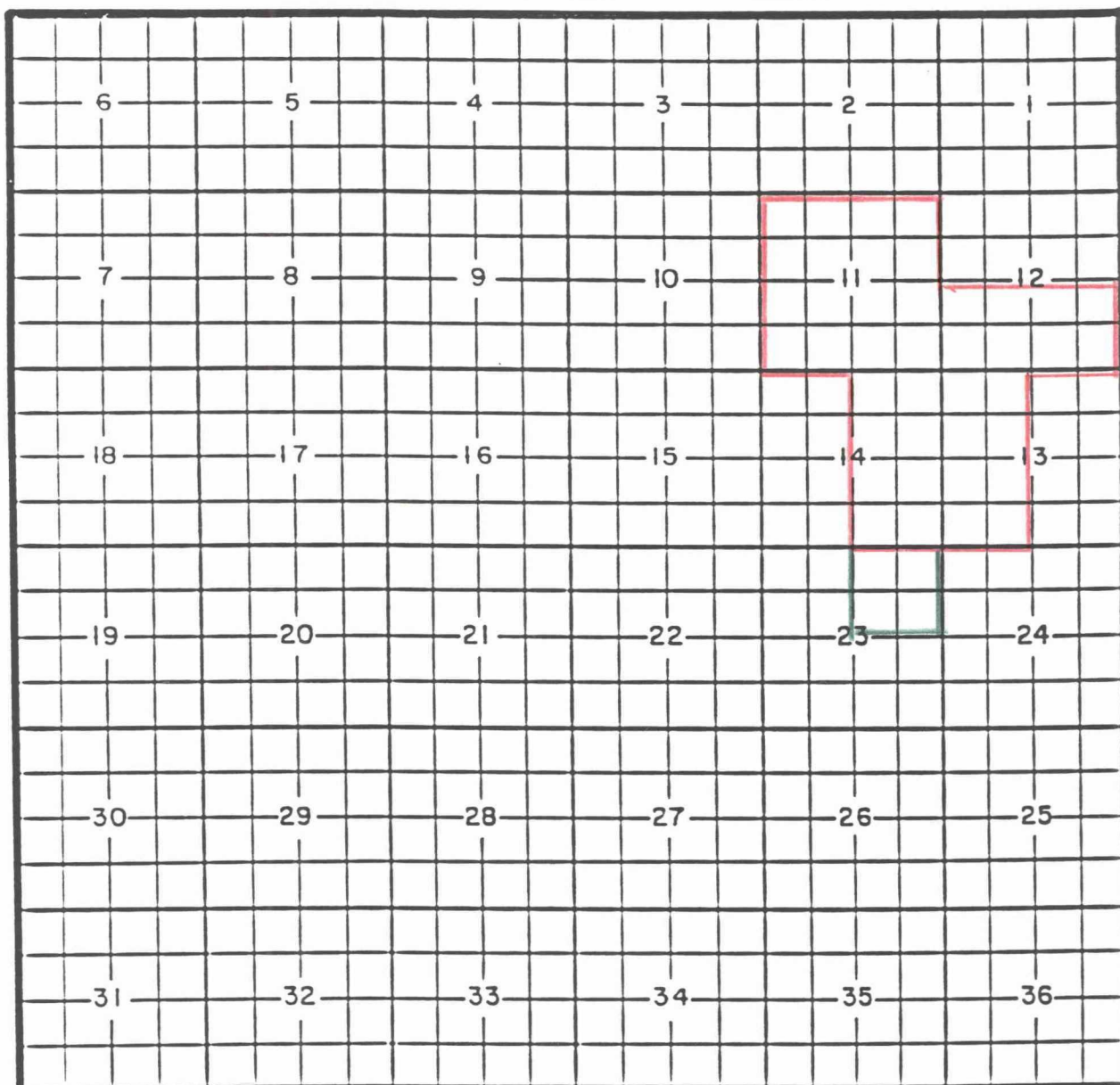
Strata Production Company Stivason Federal Well No. 5 located in Unit M of Section 27, Township 19 south, Range 34 East, NMMP. It was completed December 19, 1990, in the Queen formation. The top of the perforations is at 4,518 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 27: SW/4

COUNTY LEA POOL QUAIL-QUEEN

TOWNSHIP 19 South RANGE 34 East NMPM



PURPOSE: One completed oil well capable of producing.

Armstrong Energy Corporation Government 23 Well No. 2 located in Unit H of Section 23, Township 19 South, Range 34 East, NMPM. It was completed October 13, 1989, in the Queen formation. The top of the perfoations is at 5.092 feet.

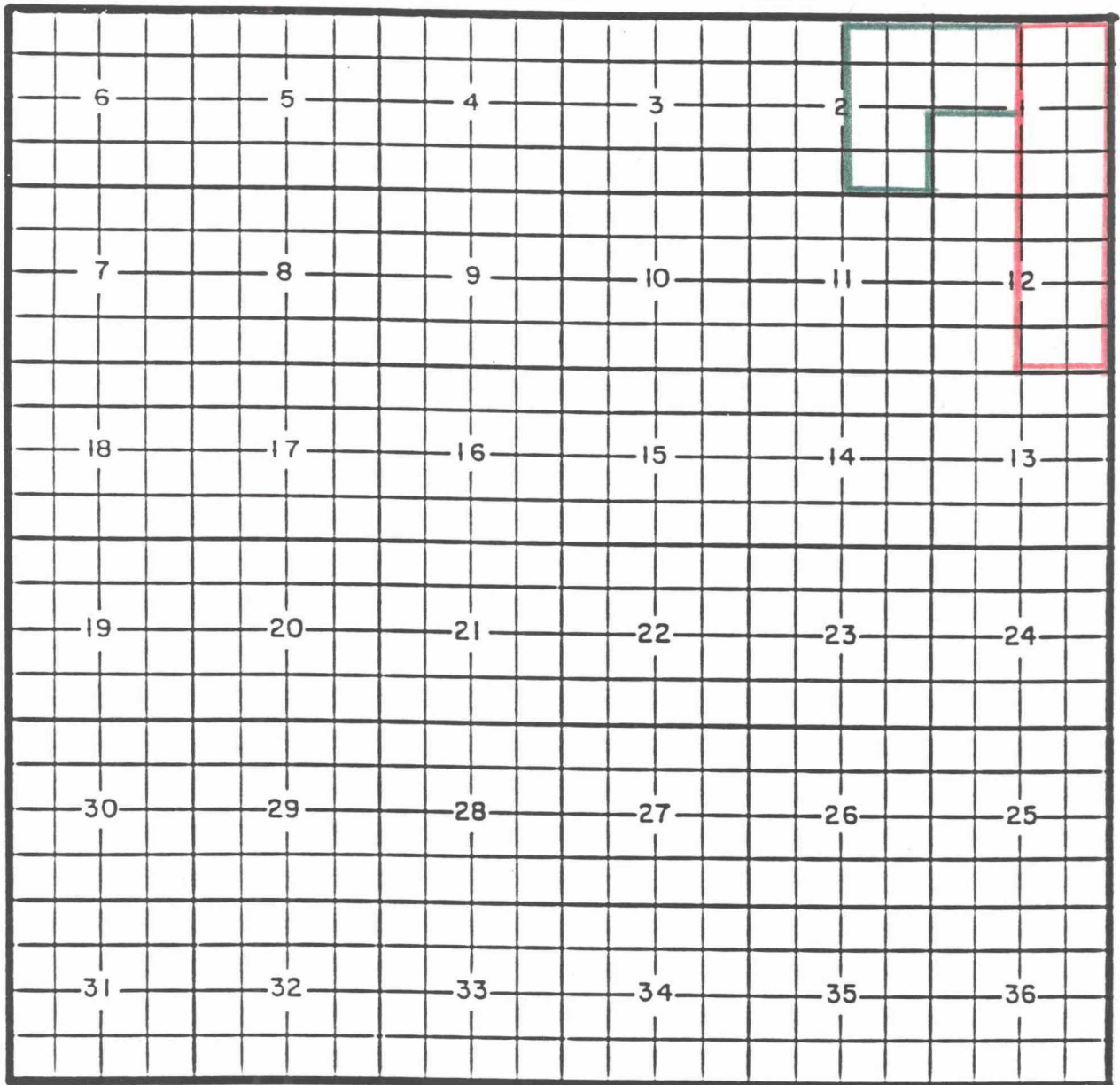
Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 23: NE/4



COUNTY LEA POOL NORTH QUAIL RIDGE-MORROW GAS

TOWNSHIP 19 South RANGE 33 East NMPM



PURPOSE: One completed gas well capable of producing.

Nearburg Producing Company Buffalo 21 State Com Well No. 1 located in Unit I of Section 2, Township 19 South, Range 33 East, NMPM. It was completed December 9, 1989, in the Morrow formation. The top of the perforations is at 12,986 feet.

Pool boundary outlined red.

Proposed pool extension outlined in green. Section 1: NW/4

Section 2: E/2

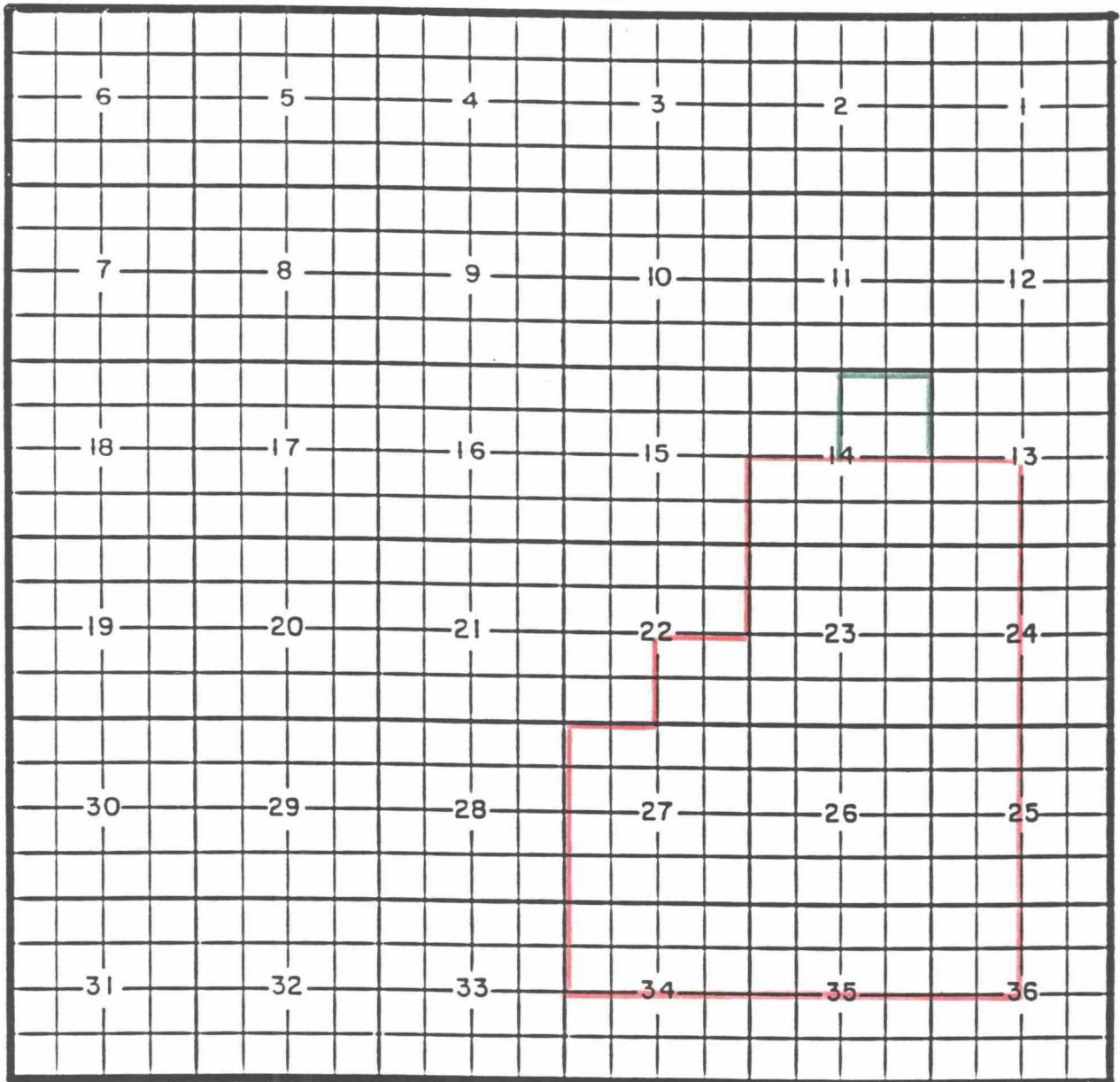
COUNTY LEA

POOL QUERECHO PLAINS-UPPER BONE SPRING

TOWNSHIP 18 South

RANGE 32 East

NMPM



PURPOSE: One completed oil well capable of producing.

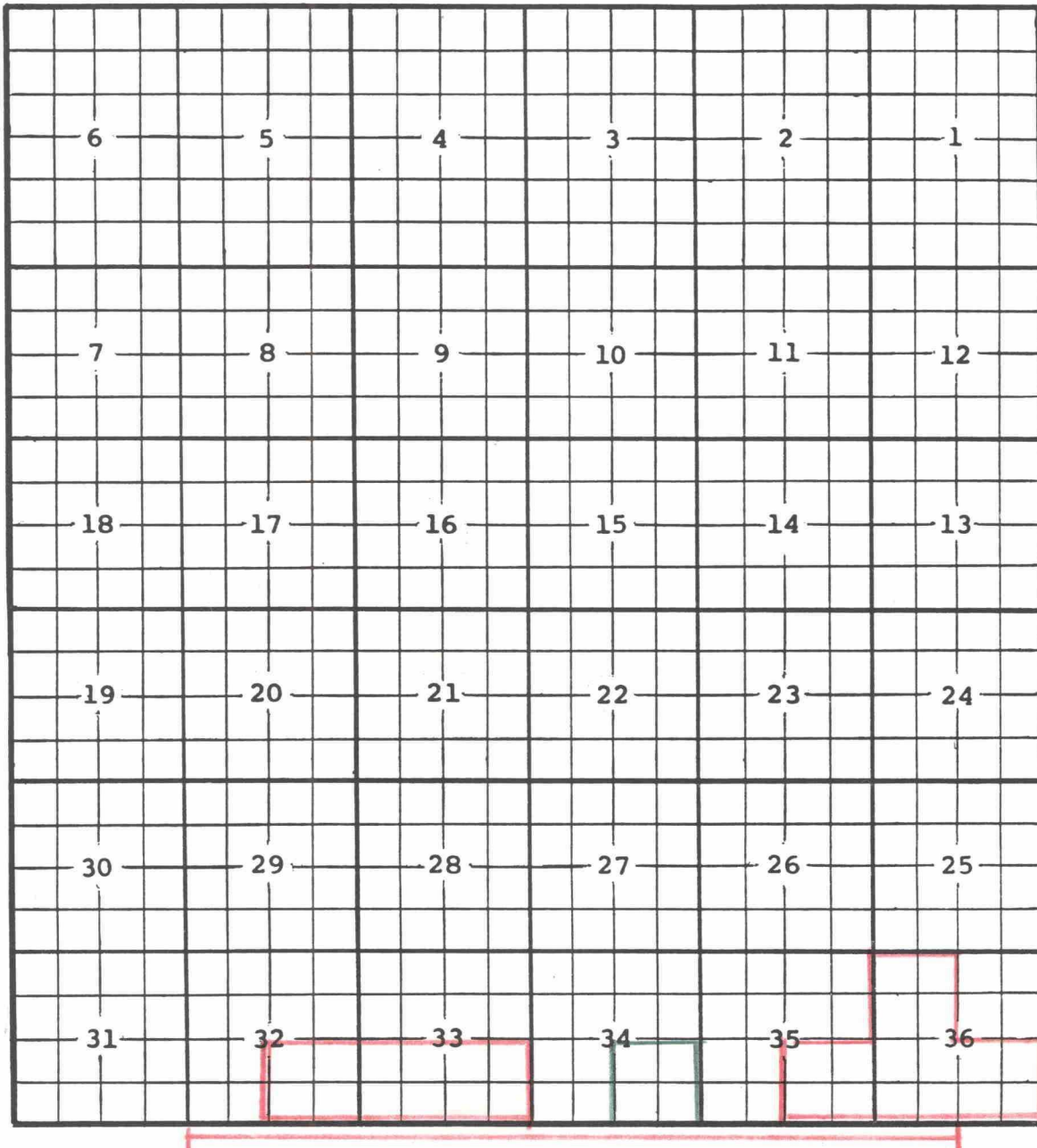
Santa Fe Energy Operating Partners L.P. Shinnery 14 Federal Well No. 5 located in Unit H of Section 14, Township 18 South, Range 32 East, NMPM. It was completed December 6, 1989, in the Bone Spring formation. The top of the perforations is at 8,660 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 14: NE/4

COUNTY LEA POOL SHIPP-STRAWN

TOWNSHIP 16 South RANGE 37 East NMPM



PURPOSE: One completed oil well capable of producing.

Conoco Inc. West Knowles Well No. 11 located in Unit P of Section 34, Township 16 south, Range 37 East, NMPM. It was completed January 1, 1990, in the Strawn formation. The top of the perforations is at 11,322 feet.

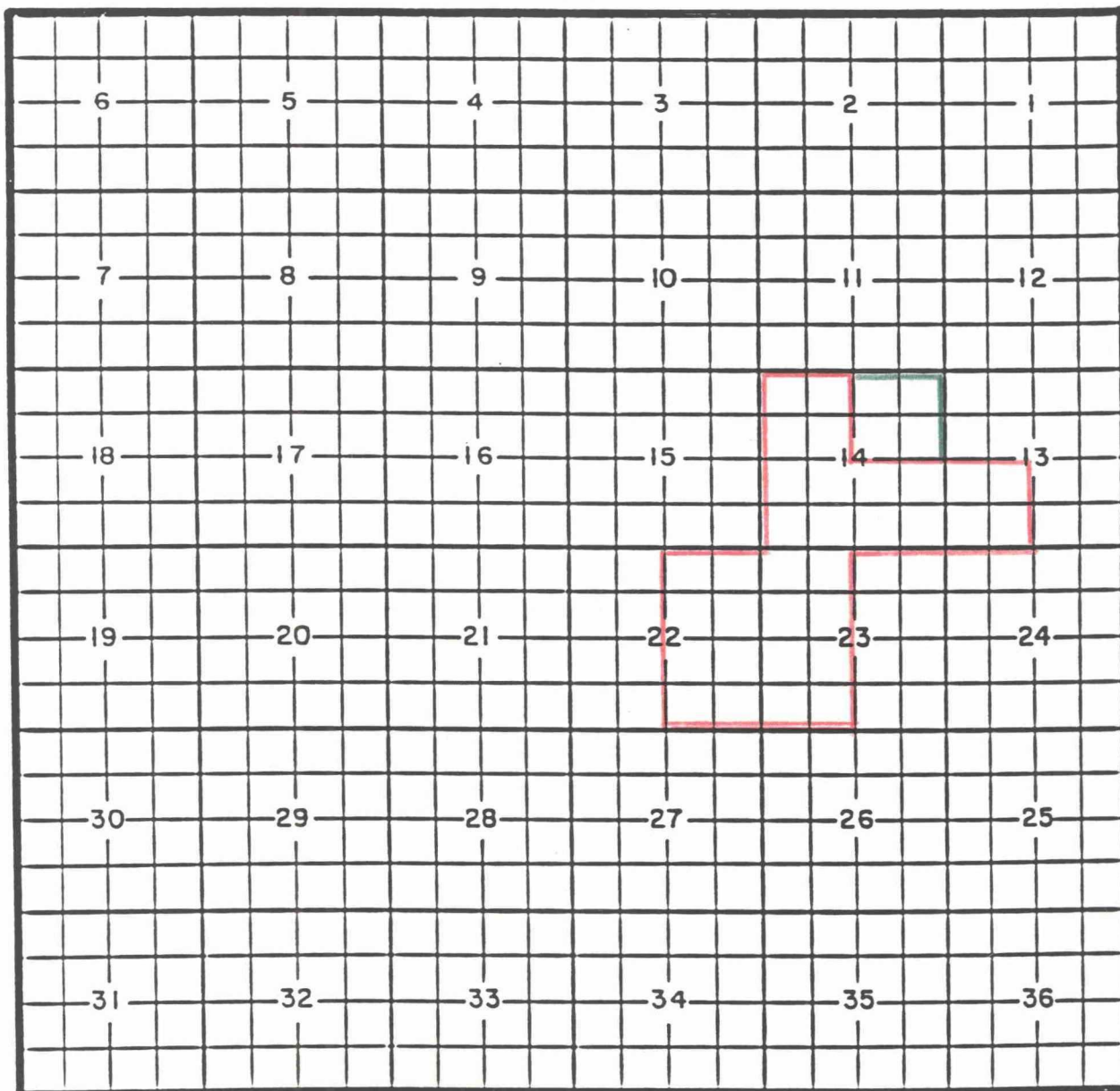
Pool boundary outlined in red.

Proposed pool extension outlined in red. Section 34: SE/4



COUNTY LEA POOL TONTO-SEVEN RIVERS

TOWNSHIP 19 South RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

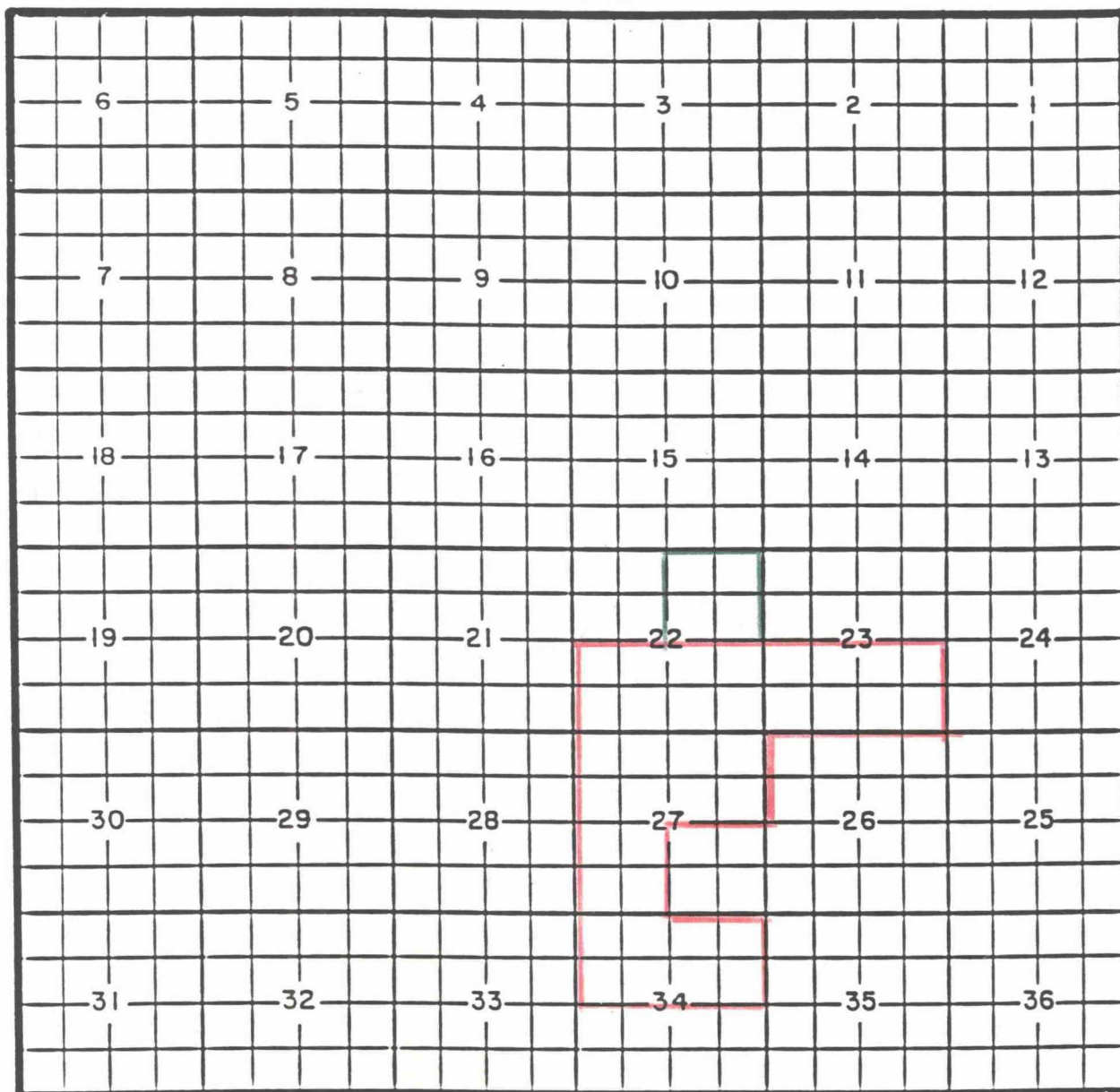
Texaco producing Inc. Federal USA "L" Well No. 3 located in Unit G of Section 14, Township 19 South, Range 33 East, NMPM. It was completed November 21, 1989, in the Seven Rivers formation. The top of the perforations is at 3,701 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 14: NE/4

COUNTY ROOSEVELT POOL TULE-PENNSYLVANIAN GAS

TOWNSHIP 2 South RANGE 29 East NMPM

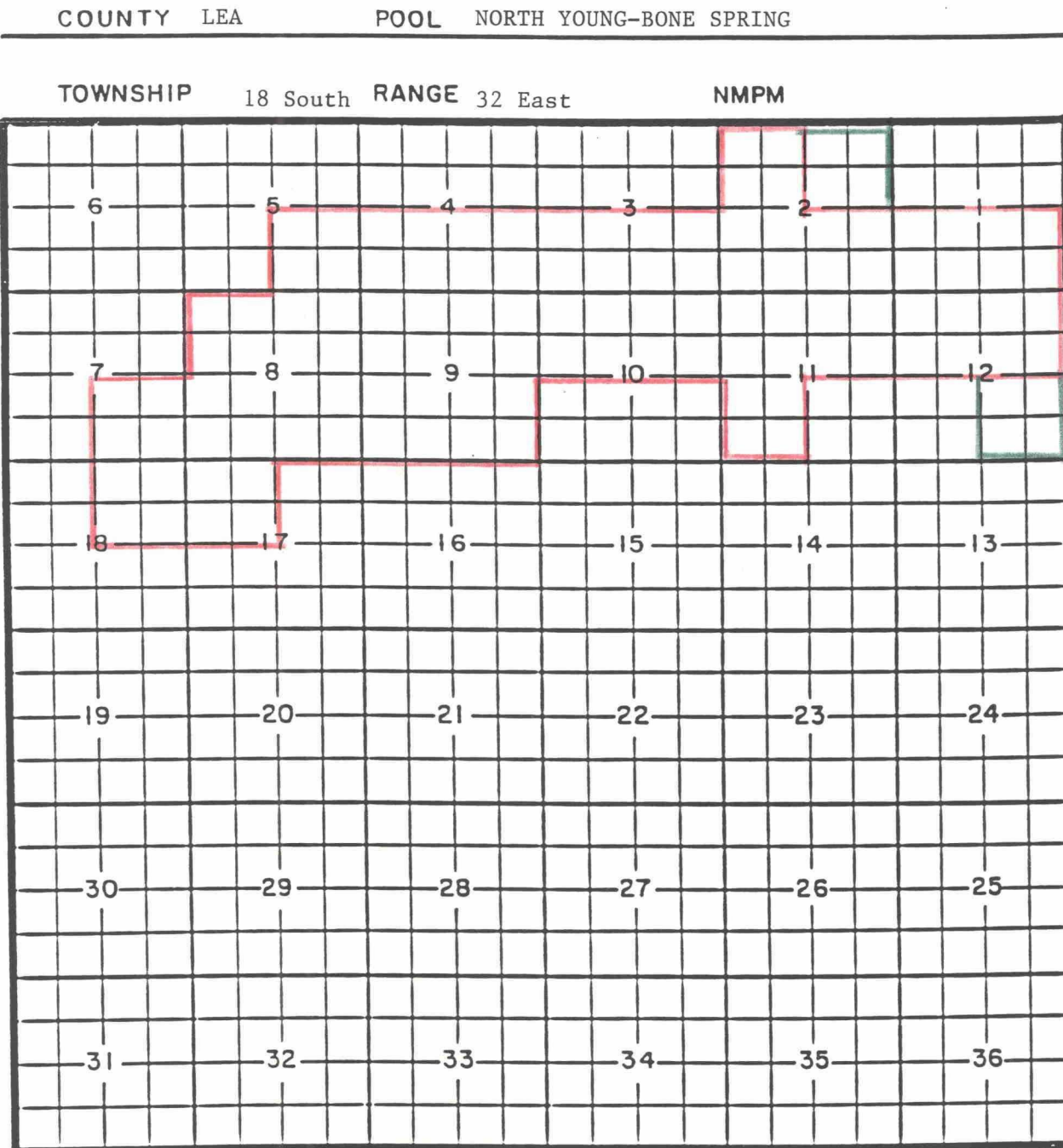


PURPOSE: One completed gas well capable of producing.

Marshall Pipe & Supply Company Morrison Well No. 1 located in Unit A of Section 22, Township 2 South, Range 29 East, NMPM. It was completed January 9, 1990, in the Pennsylvanian formation. The top of the perforations is at 6,986 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 22: NE/4



PURPOSE: Two completed oil wells capable of producing.

Santa Fe Energy Oper. Partners L.P. Sharp Shooter 2 St Well No. 2 located in Unit H of Section 2, Township 18 South, Range 32 East, NMPM. It was completed December 18, 1989, in the Bone Spring formation. The top of the perforations is at 8,308 ft.

Harvey E. Yates Co. Shoot 12 Federal Well No. 1 located in Unit J of Section 12, Township 18 South, Range 32 East, NMPM. It was completed December 21, 1989, in the Bone Spring formation. The top of the perforations is at 9,022 feet.

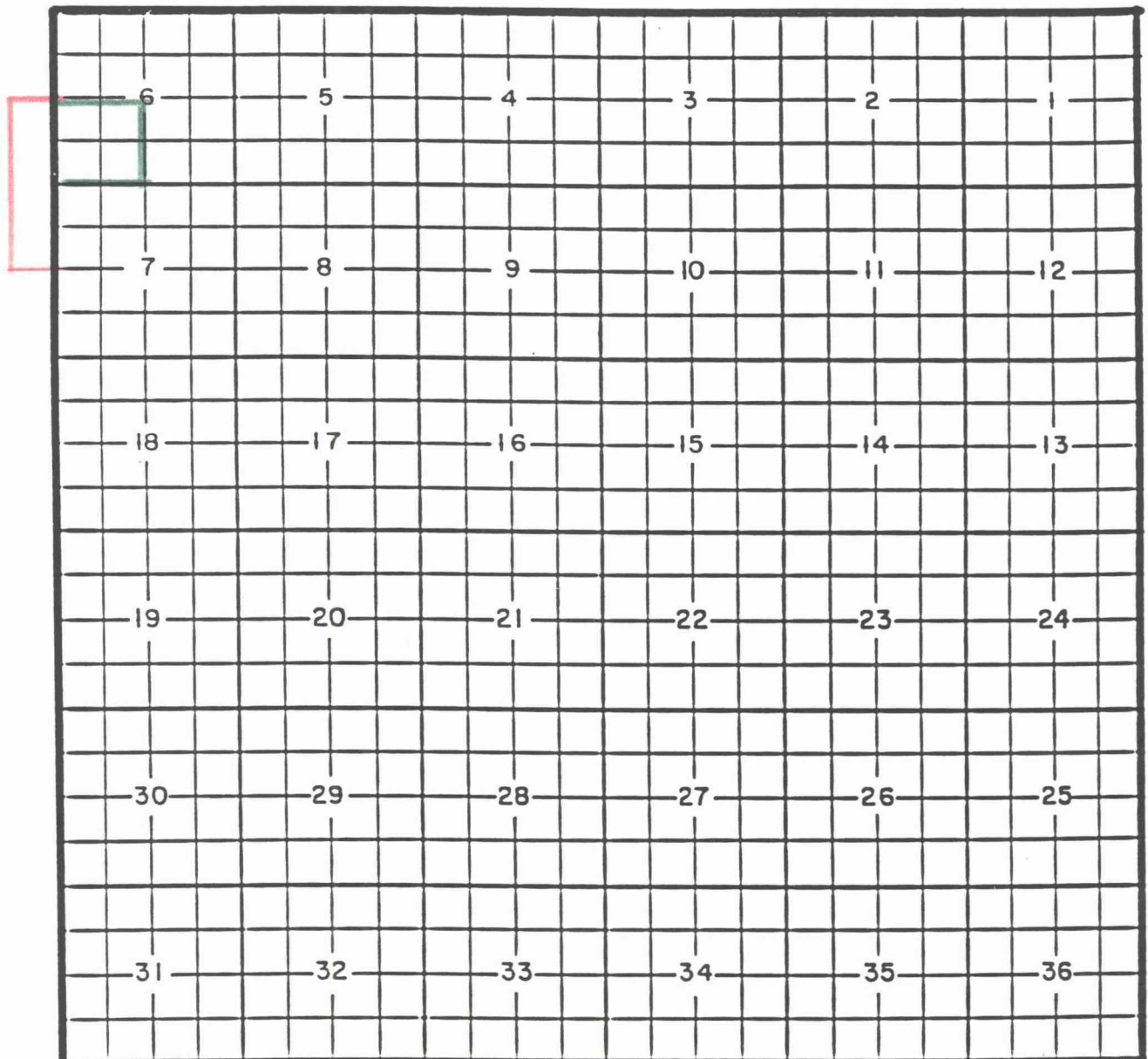
Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 2: NE/4; Section 12: SE/4



COUNTY LEA POOL NORTH YOUNG-BONE SPRING

TOWNSHIP 18 South RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

Santa Fe Energy Operating Partners, L.P. Sniper AM6 Federal Well No. 1 located in Unit M of Section 6, Township 18 South, Range 33 East, NMPM. It was completed November 26, 1989, in the Bone Spring formation. The top of the perforations is at 8,463 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 6: SW/4

COUNTY LEA POOL TONTO-ATOKA GAS

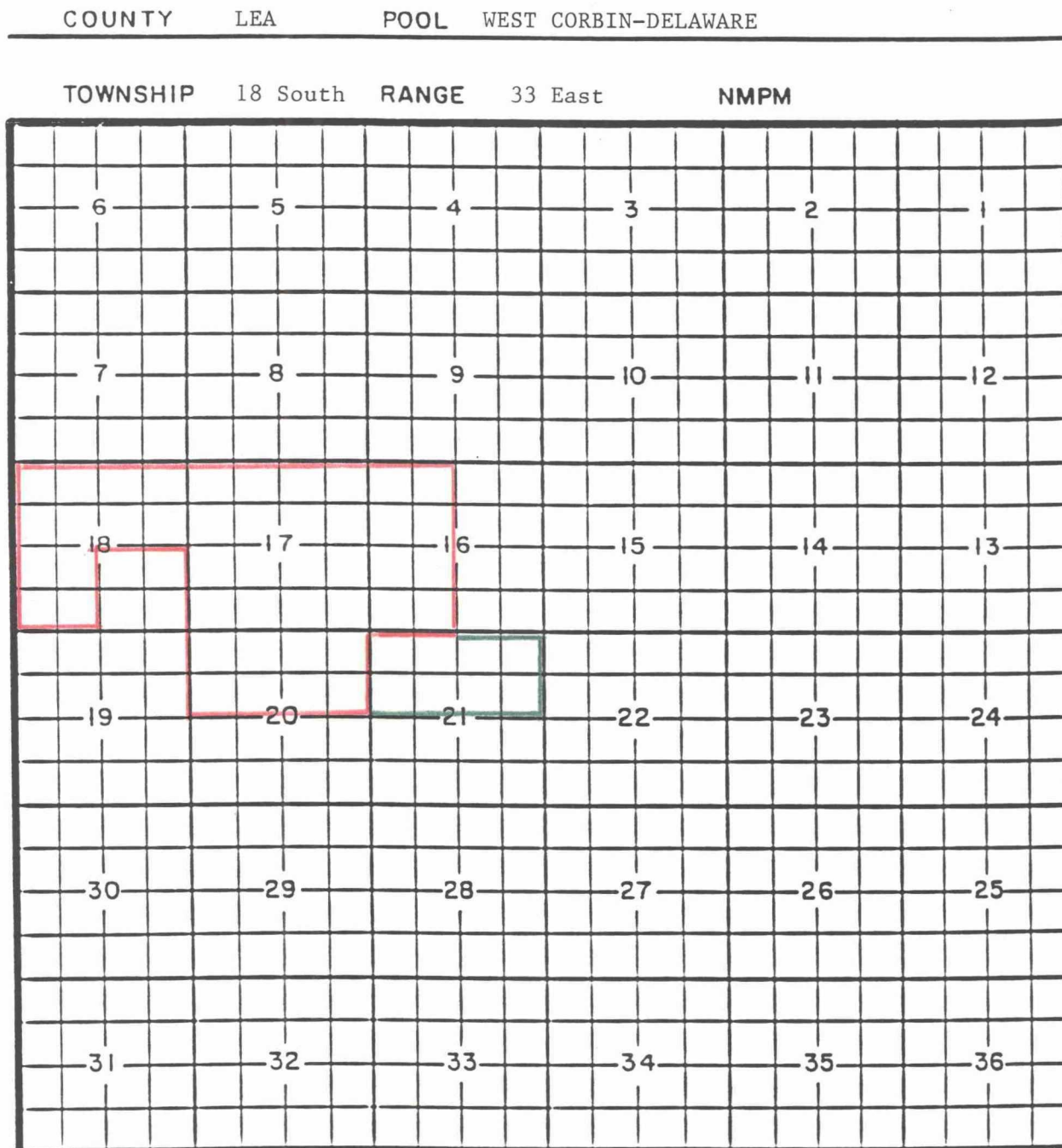
TOWNSHIP 19 South RANGE 33 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed gas well capable of producing.

Manzano Oil Company Wynell Federal Well No. 1 located in Unit I of Section 15, Township 19 South, Range 33 East, NMPM. It was completed August 25, 1989, in the Atoka formation. The top of the perforations is at 12,630 feet.

Proposed pool boundary outlined in red. Section 15: E/2



PURPOSE: Two completed oil wells capable of producing.

Southland Royalty Company Federal 21 Well No. 4 located in Unit C of Section 21, Township 18 South, Range 33 East, NMPM. It was completed January 5, 1990, in the Delaware formation. The top of the perforations is at 5,156 feet.

Southland Royalty Company Federal MA Well No. 6 located in Unit B of Section 21, Township 18 South, Range 33 East, NMPM. It was completed January 14, 1990, in the Delaware formation. The top of the perforations is at 5,140 feet.

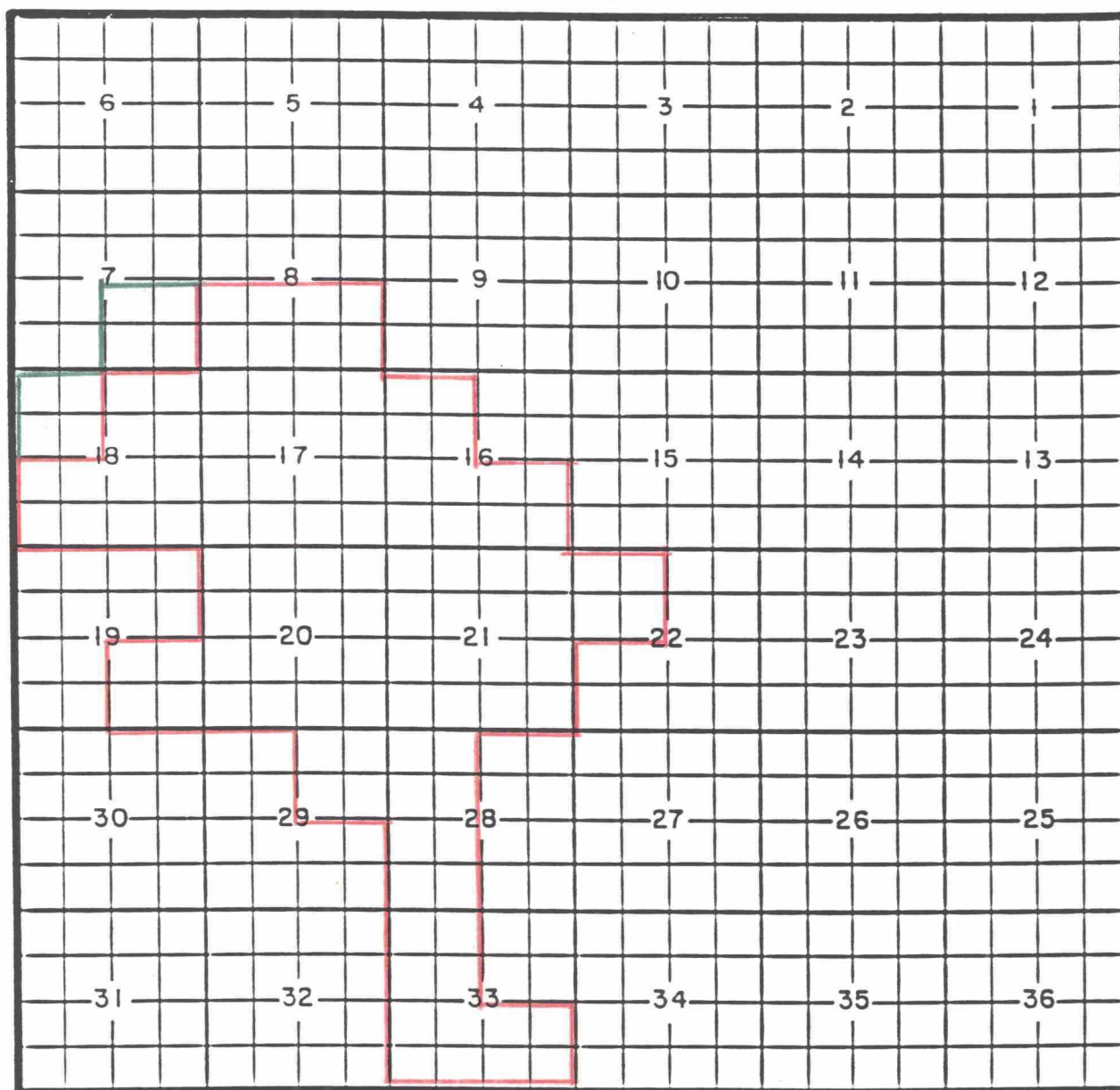
Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 21: N/2



COUNTY	LEA	POOL	SOUTH CORBIN-WOLFCAMP
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TOWNSHIP	18 South	RANGE	33 East	NMPM
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PURPOSE: Two completed oil wells capable of producing.

Southland Royalty Company West Corbin Federal Well No. 16 located in Unit O of Section 7, Township 18 south, Range 33 East, NMPM. It was completed December 21, 1989, in the Wolfcamp formation. The top of the perforations is at 10,820 ft.

Southland Royalty Company West Corbin Federal Well No. 18 located in Unit F of Section 18, Township 18 South, Range 33 East, NMPM. It was completed January 6, 1990, in the Wolfcamp formation. The top of the perfoations is at 11,274 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 7: SE/4; Section 18: NW/4

COUNTY	LEA	POOL	GEM-BONE SPRING			
TOWNSHIP	19 South	RANGE	33 East	NMPM		
6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	

PURPOSE: One completed oil well capable of producing.

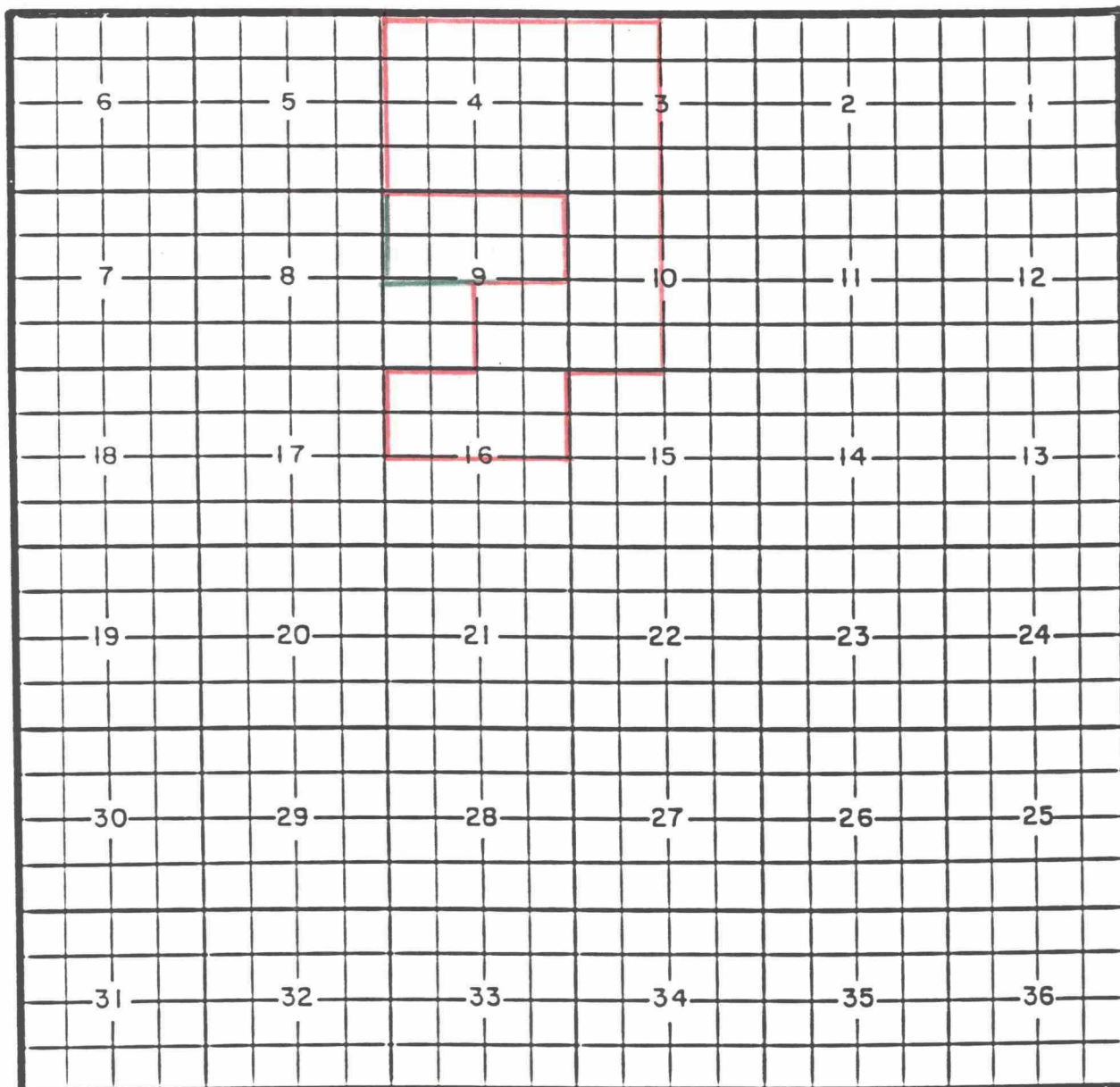
Mitchell Energy Corporation Geronimo Federal Well No. 1 located in Unit D of Section 31, Township 19 South, Range 33 East, NMPM. It was completed December 21, 1989, in the Bone Spring formation. The top of the perforations is at 9,852 feet.

Pool boundary outlined in red.

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

COUNTY LEA POOL GRAMA RIDGE-MORROW GAS

TOWNSHIP 22 south RANGE 34 East NMPM



PURPOSE: One completed gas well capable of producing.

Oryx Energy Company Grama Ridge Federal Well No. 1 located in Unit B of Section 9, Township 22 South, Range 34 East, NMPM. It was completed December 3, 1989, in the Morrow formation. The top of the perforations is at 13,019 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 9: N/2



COUNTY LEA POOL LANE-SAN ANDRES

TOWNSHIP 9 South RANGE 33 East NMPM

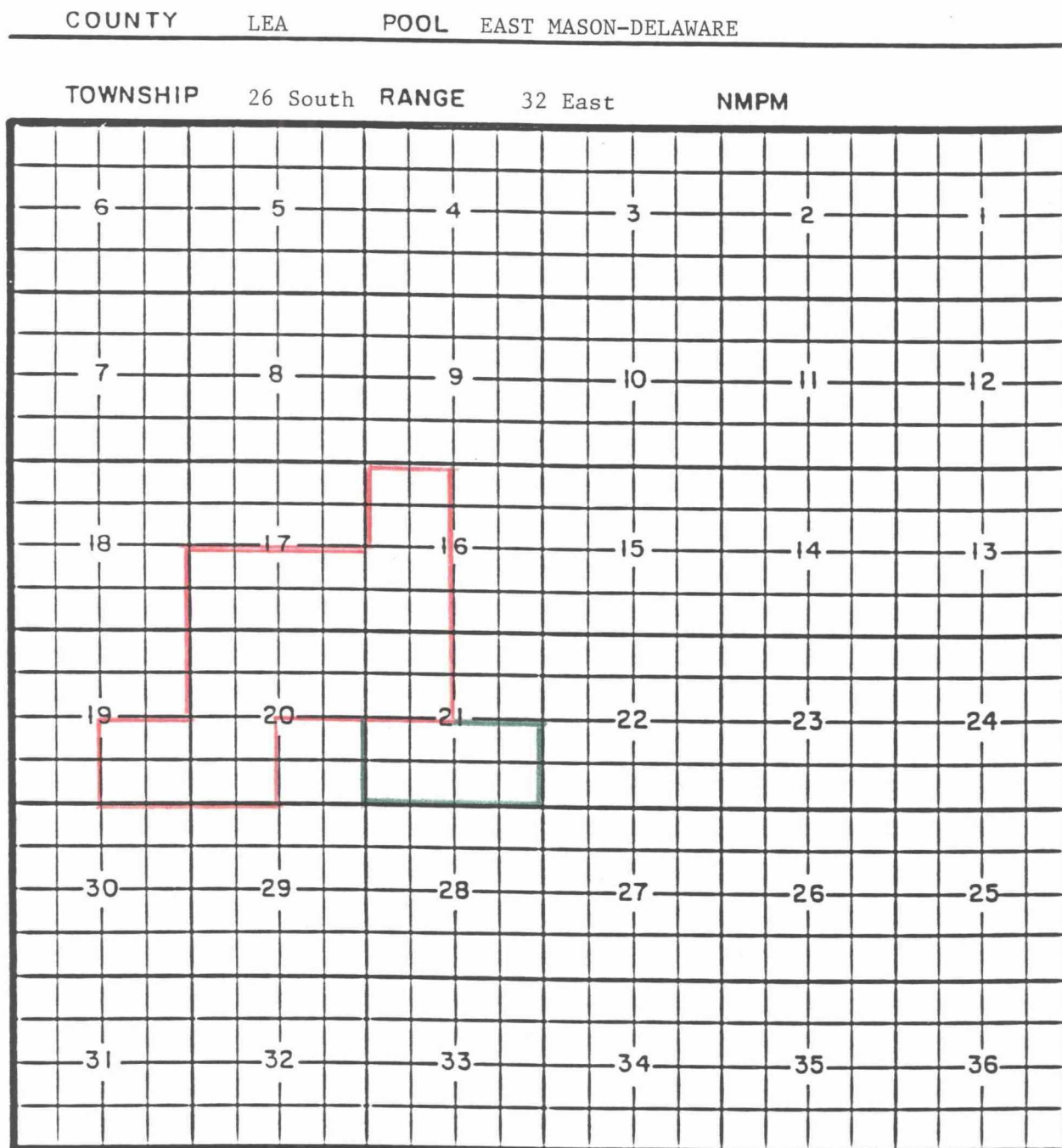
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

Petroleum Production Management Inc. Sunray 682 Ltd. Well No. 1 located in Unit N of Section 36, Township 9 South, Range 33 East, NMPM. It was completed December 5, 1989, in the San Andres formation. The top of the perforations is at 4,516 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 36: SW/4



PURPOSE: One completed oil well capable of producing.

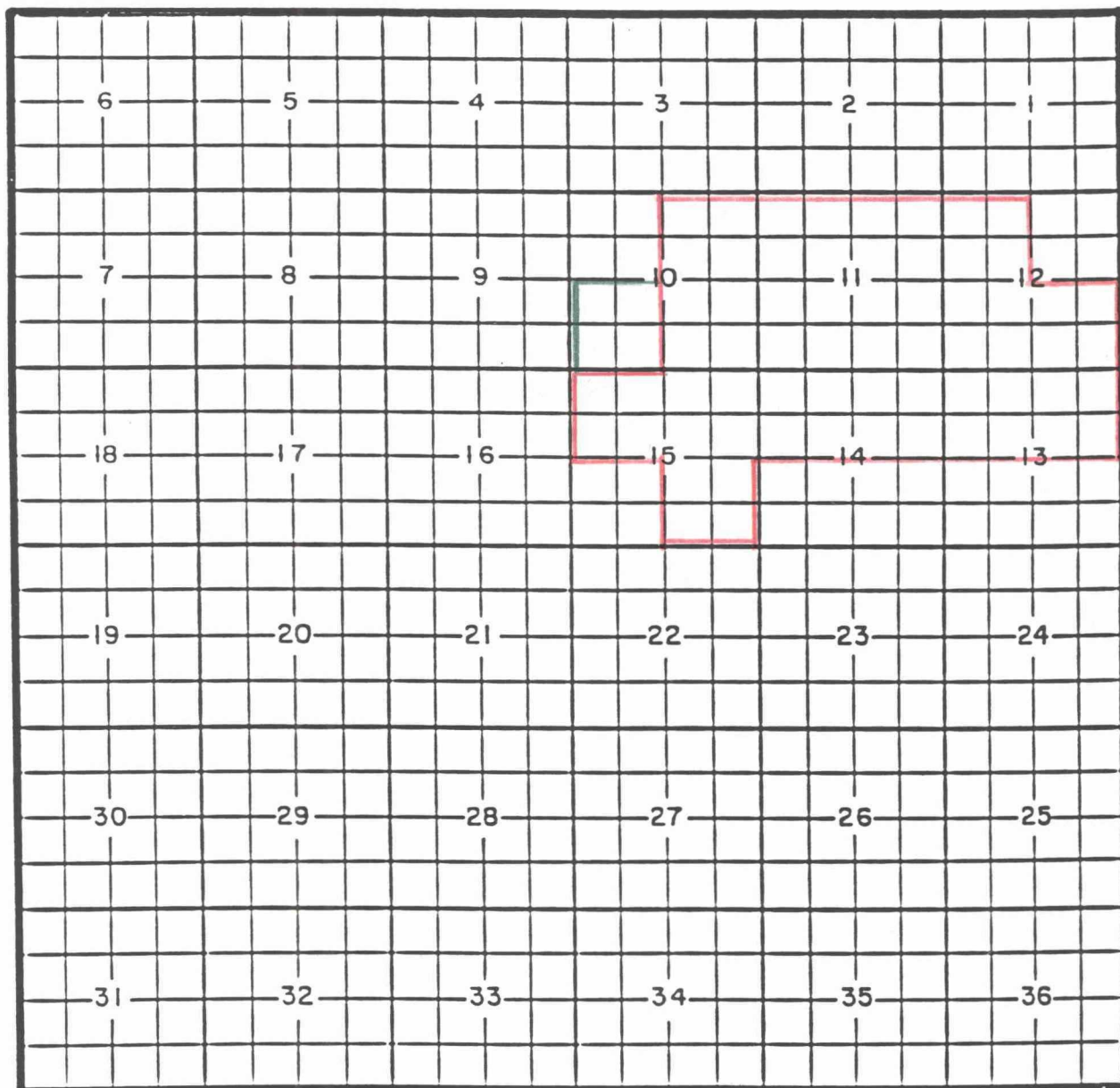
Highland Production Company McDonald Federal Well No. 1 located in Unit J of Section 21, Township 26 South, Range 32 East, NMPM. It was completed January 10, 1990, in the Delaware formation. The top of the perforations is at 4,415 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 21: S/2

COUNTY LEA POOL MESCALERO ESCARPE-BONE SPRING

TOWNSHIP 18 South, RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

Chevron USA Inc. Cockburn G Federal Well No. 1 located in Unit L of Section 10, Township 18 South, Range 33 East, NMPM. It was completed December 31, 1989, in the Bone Spring formation. The top of the perforations is at 9,069 feet.

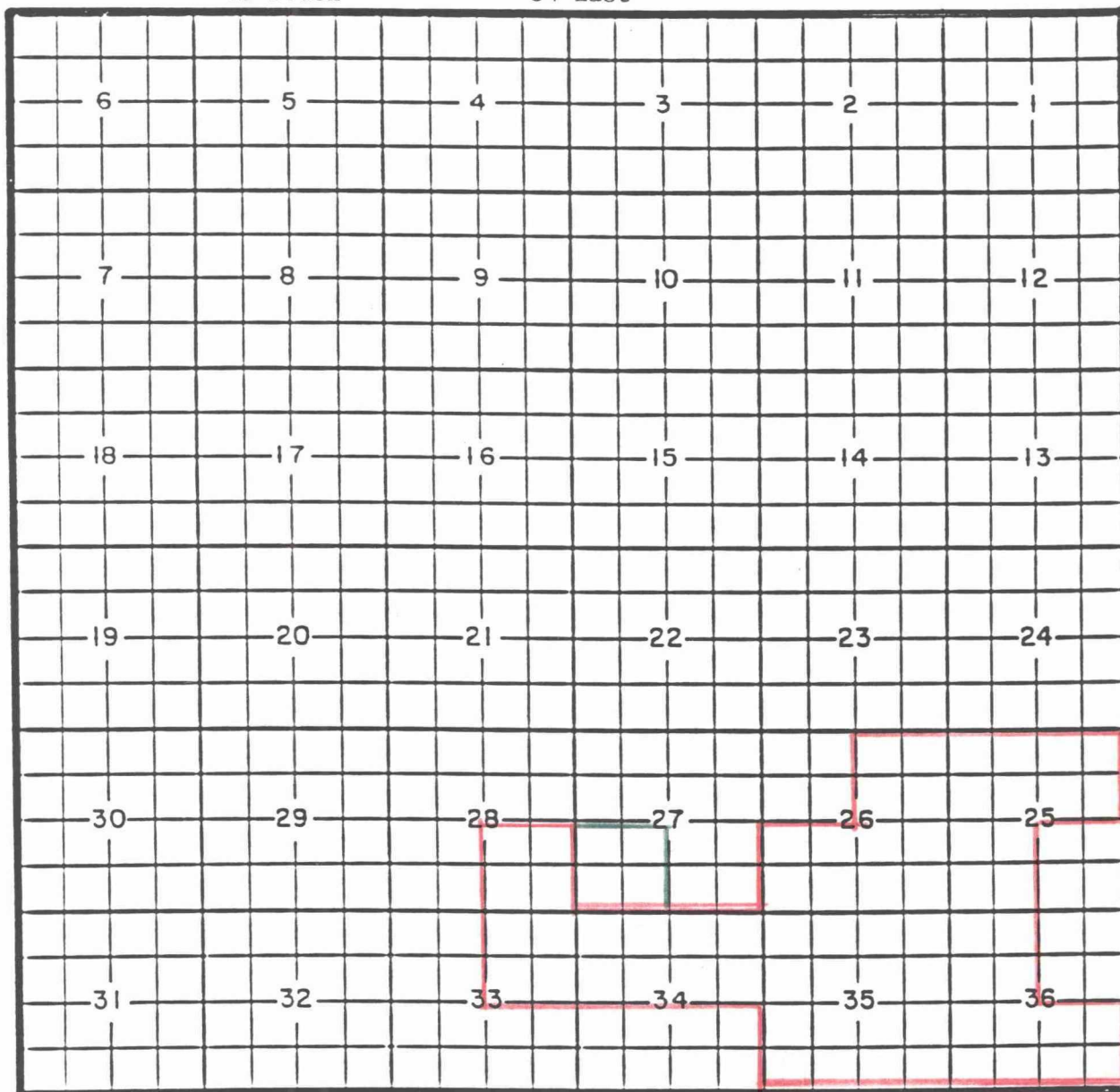
Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 10: SW/4



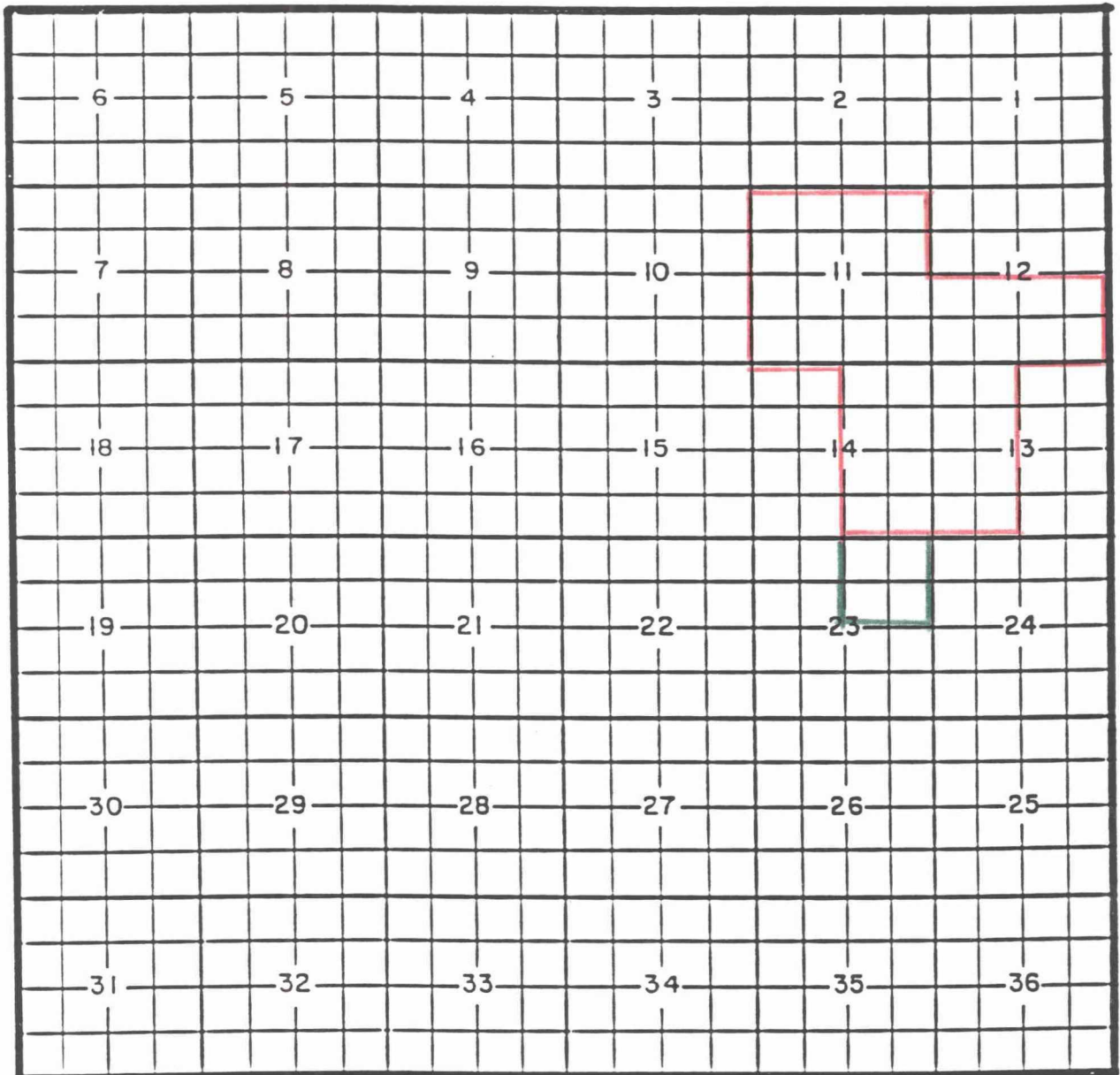
COUNTY LEA POOL PEARL-QUEEN

TOWNSHIP 19 South RANGE 34 East NMPM



COUNTY LEA POOL QUAIL-QUEEN

TOWNSHIP 19 South RANGE 34 East NMPM



PURPOSE: One completed oil well capable of producing.

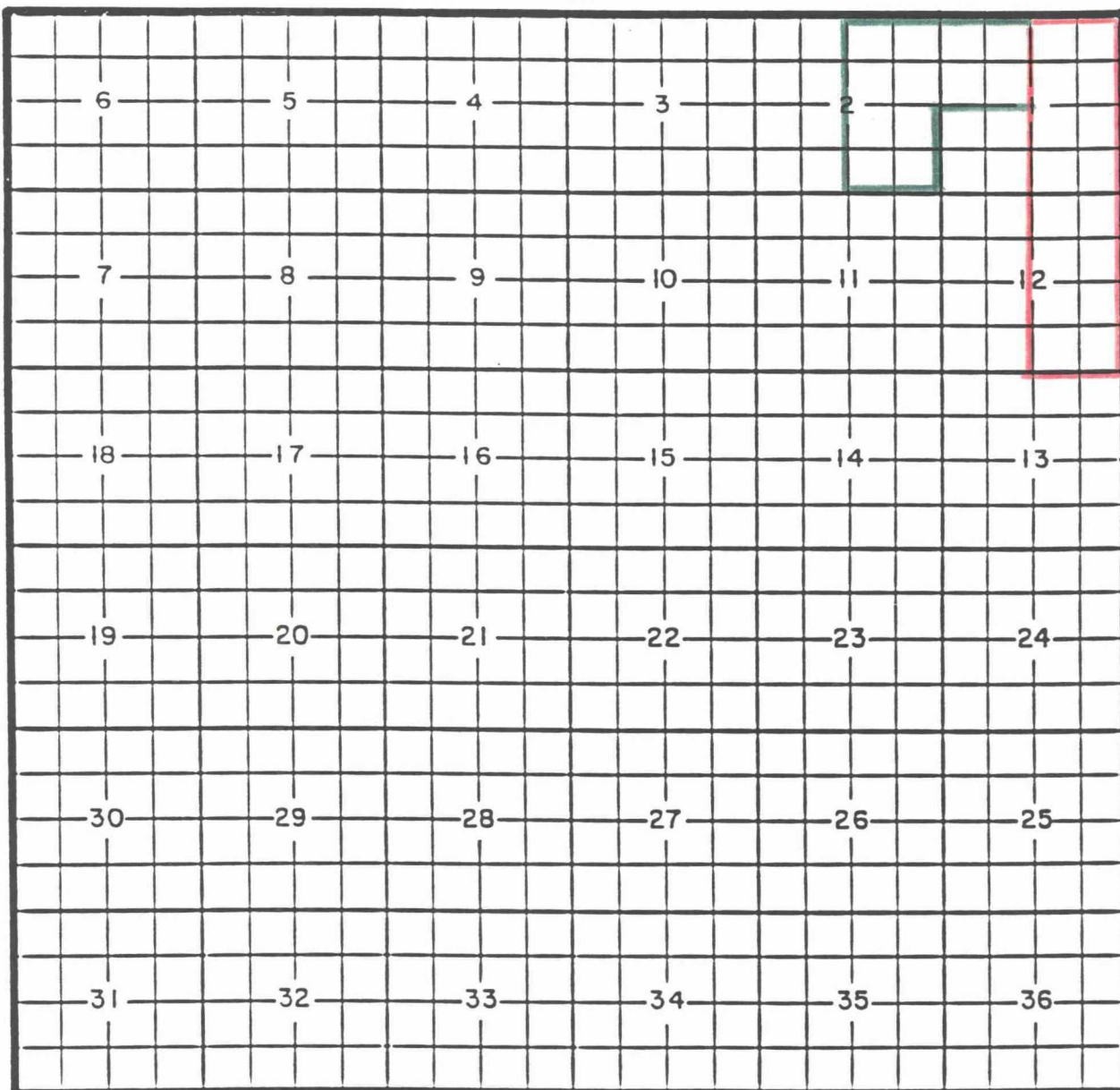
Armstrong Energy Corporation Government 23 Well No. 2 located in Unit H of Section 23, Township 19 South, Range 34 East, NMPM. It was completed October 13, 1989, in the Queen formation. The top of the perforations is at 5.092 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 23: NE/4

COUNTY LEA POOL NORTH QUAIL RIDGE-MORROW GAS

TOWNSHIP 19 South RANGE 33 East NMPM



PURPOSE: One completed gas well capable of producing.

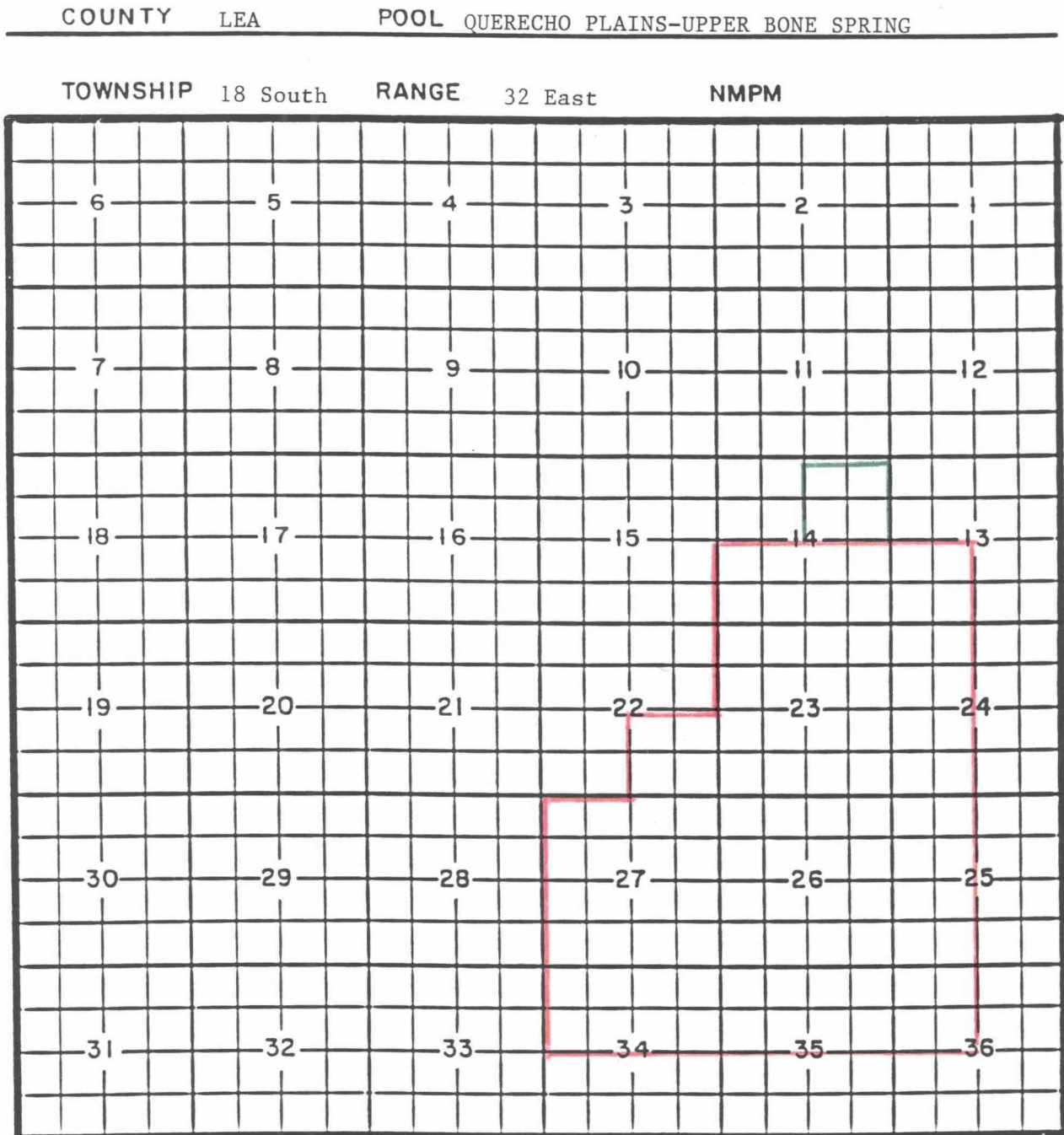
Nearburg Producing Company Buffalo 21 State Com Well No. 1 located in Unit I of Section 2, Township 19 South, Range 33 East, NMPM. It was completed December 9, 1989, in the Morrow formation. The top of the perforations is at 12,986 feet.

Pool boundary outlined red.

Proposed pool extension outlined in green. Section 1: NW/4

Section 2: E/2





PURPOSE: One completed oil well capable of producing.

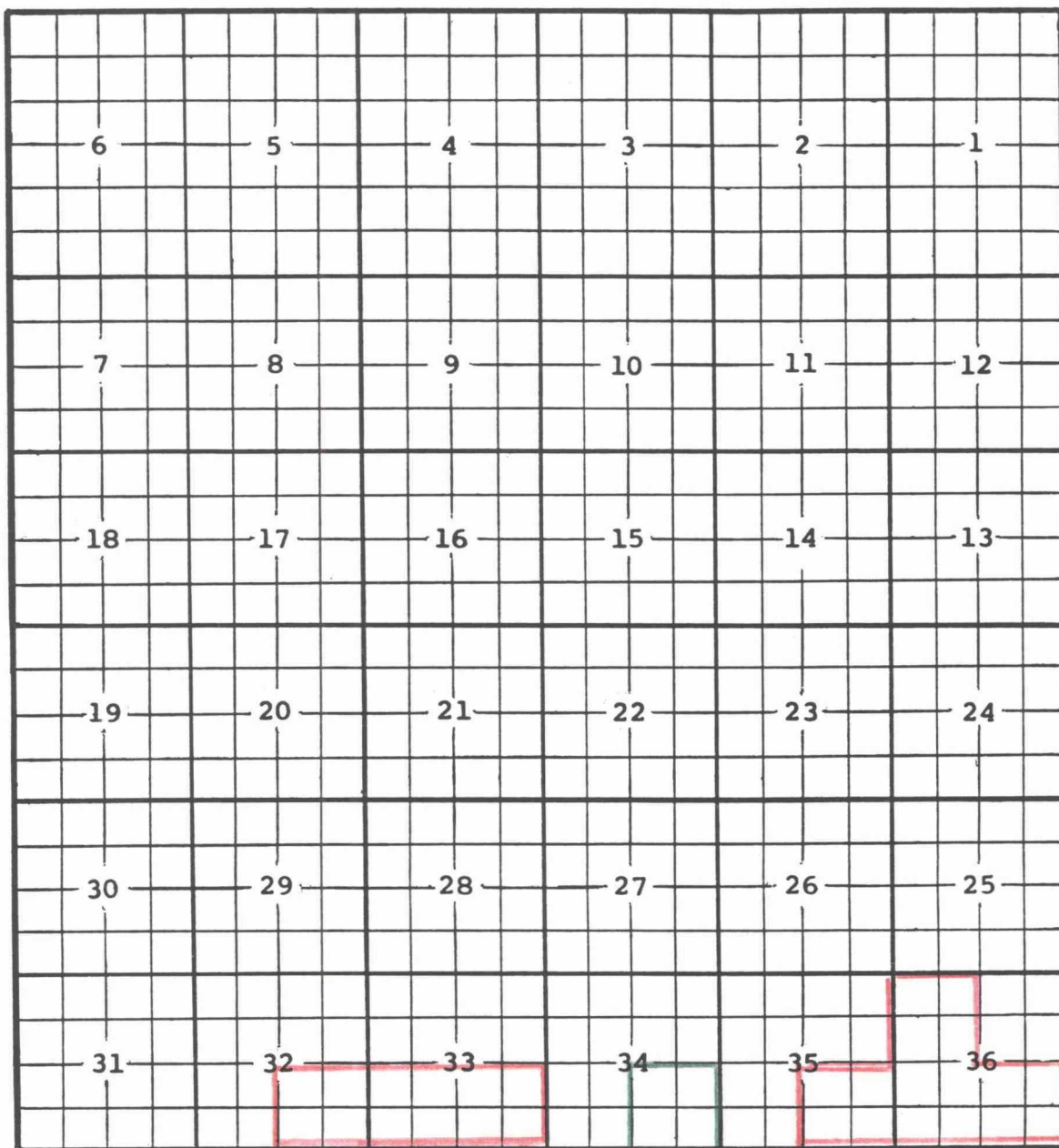
Santa Fe Energy Operating Partners L.P. Shinnery 14 Federal Well No. 5 located in Unit H of Section 14, Township 18 South, Range 32 East, NMPM. It was completed December 6, 1989, in the Bone Spring formation. The top of the perforations is at 8,660 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 14: NE/4

COUNTY LEA POOL SHIPP-STRAWN

TOWNSHIP 16 South RANGE 37 East NMPM



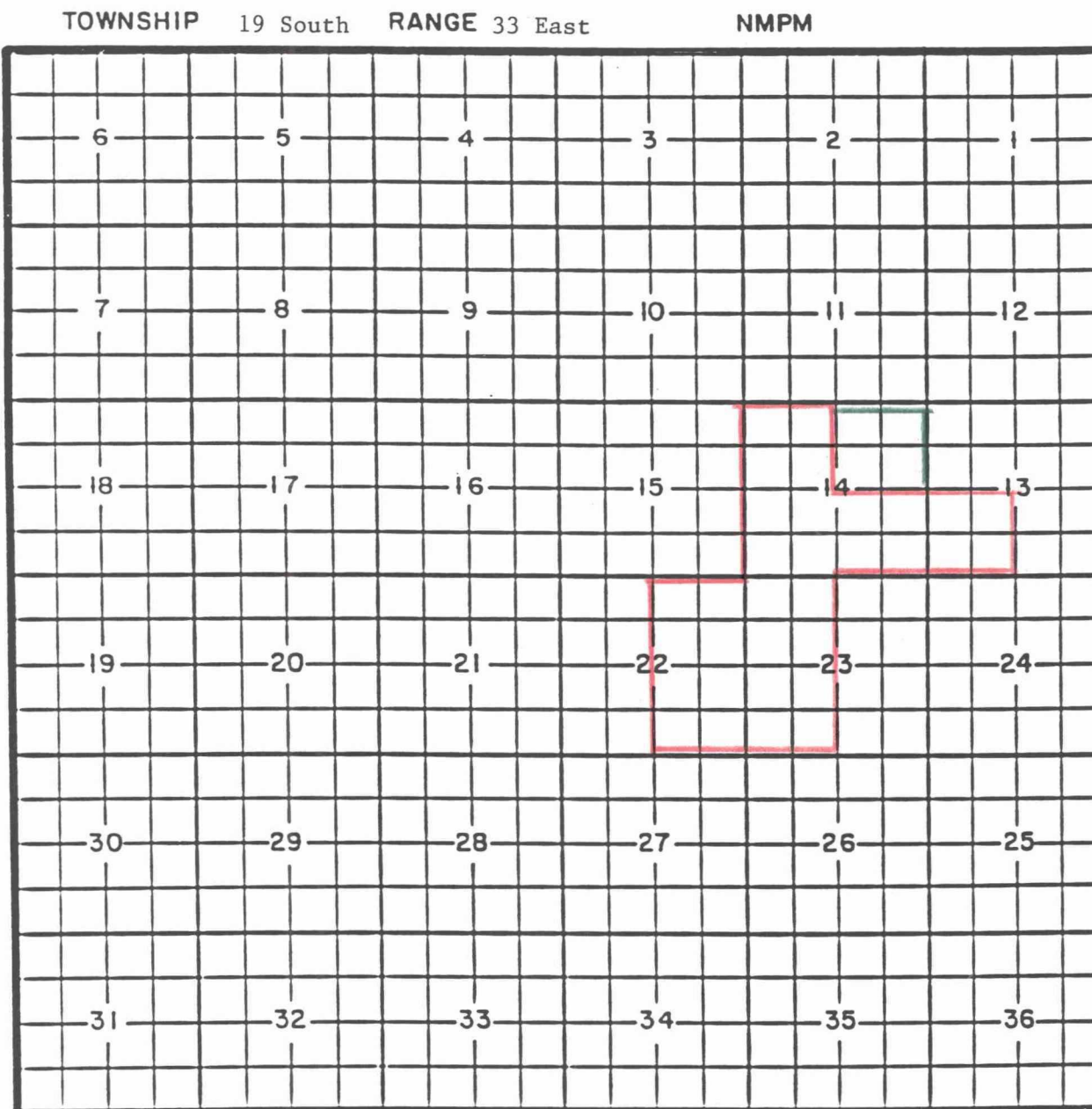
PURPOSE: One completed oil well capable of producing.

Conoco Inc. West Knowles Well No. 11 located in Unit P of Section 34, Township 16 south, Range 37 East, NMPM. It was completed January 1, 1990, in the Strawn formation. The top of the perforations is at 11,322 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in red. Section 34: SE/4

COUNTY LEA POOL TONTO-SEVEN RIVERS



PURPOSE: One completed oil well capable of producing.

Texaco producing Inc. Federal USA "L" Well No. 3 located in Unit G of Section 14, Township 19 South, Range 33 East, NMPM. It was completed November 21, 1989, in the Seven Rivers formation. The top of the perforations is at 3,701 feet.

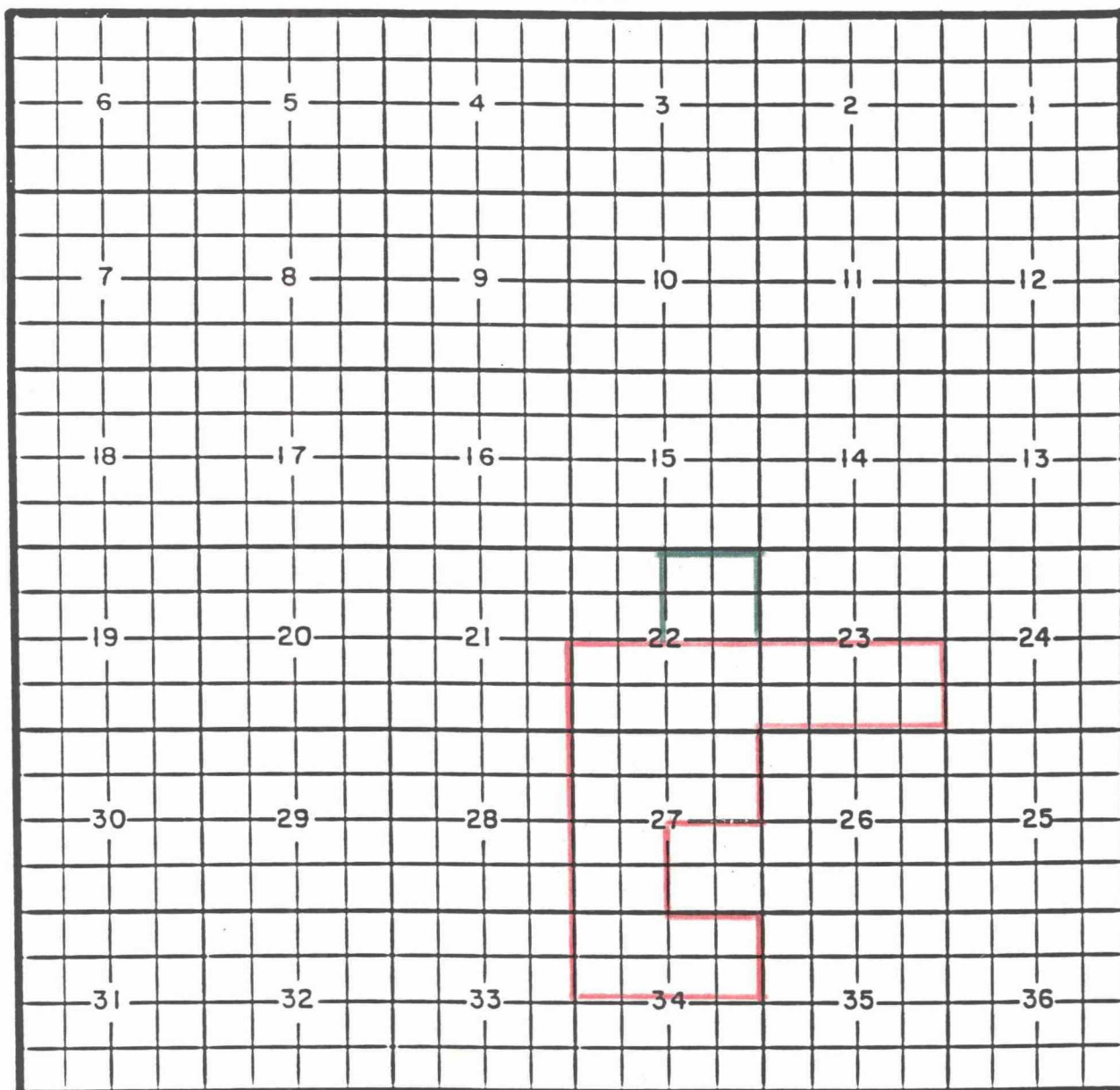
Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 14: NE/4



COUNTY ROOSEVELT POOL TULE-PENNSYLVANIAN GAS

TOWNSHIP 2 South RANGE 29 East NMPM



PURPOSE: One completed gas well capable of producing.

Marshall Pipe & Supply Company Morrison Well No. 1 located in Unit A of Section 22, Township 2 South, Range 29 East, NMPM. It was completed January 9, 1990, in the Pennsylvanian formation. The top of the perforations is at 6,986 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 22: NE/4

COUNTY LEA

POOL NORTH YOUNG-BONE SPRING

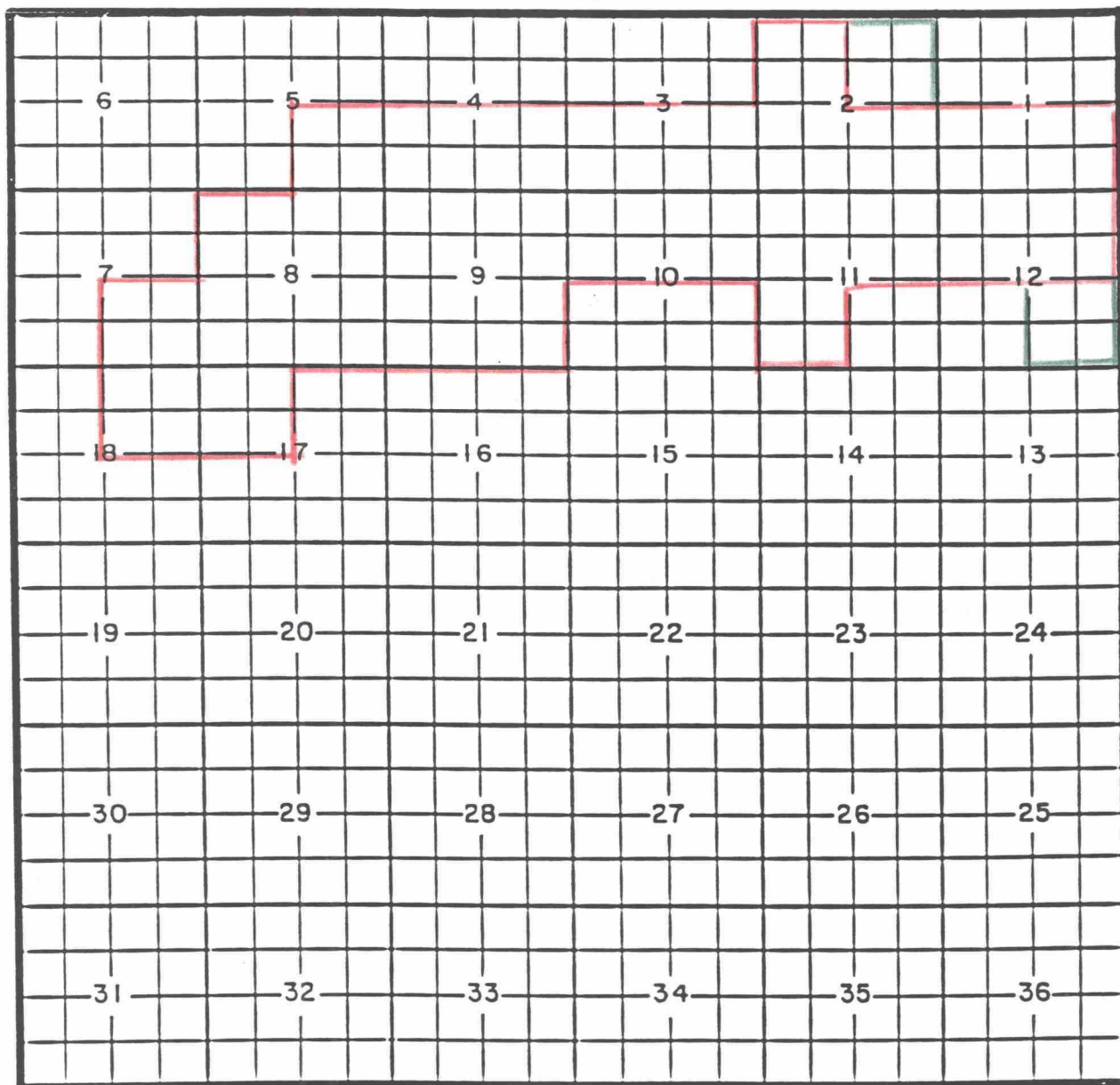
TOWNSHIP

18 South

RANGE

32 East

NMPM



PURPOSE: Two completed oil wells capable of producing.

Santa Fe Energy Oper. Partners L.P. Sharp Shooter 2 St Well No. 2 located in Unit H of Section 2, Township 18 South, Range 32 East, NMPM. It was completed December 18, 1989, in the Bone Spring formation. The top of the perforations is at 8,308 ft.

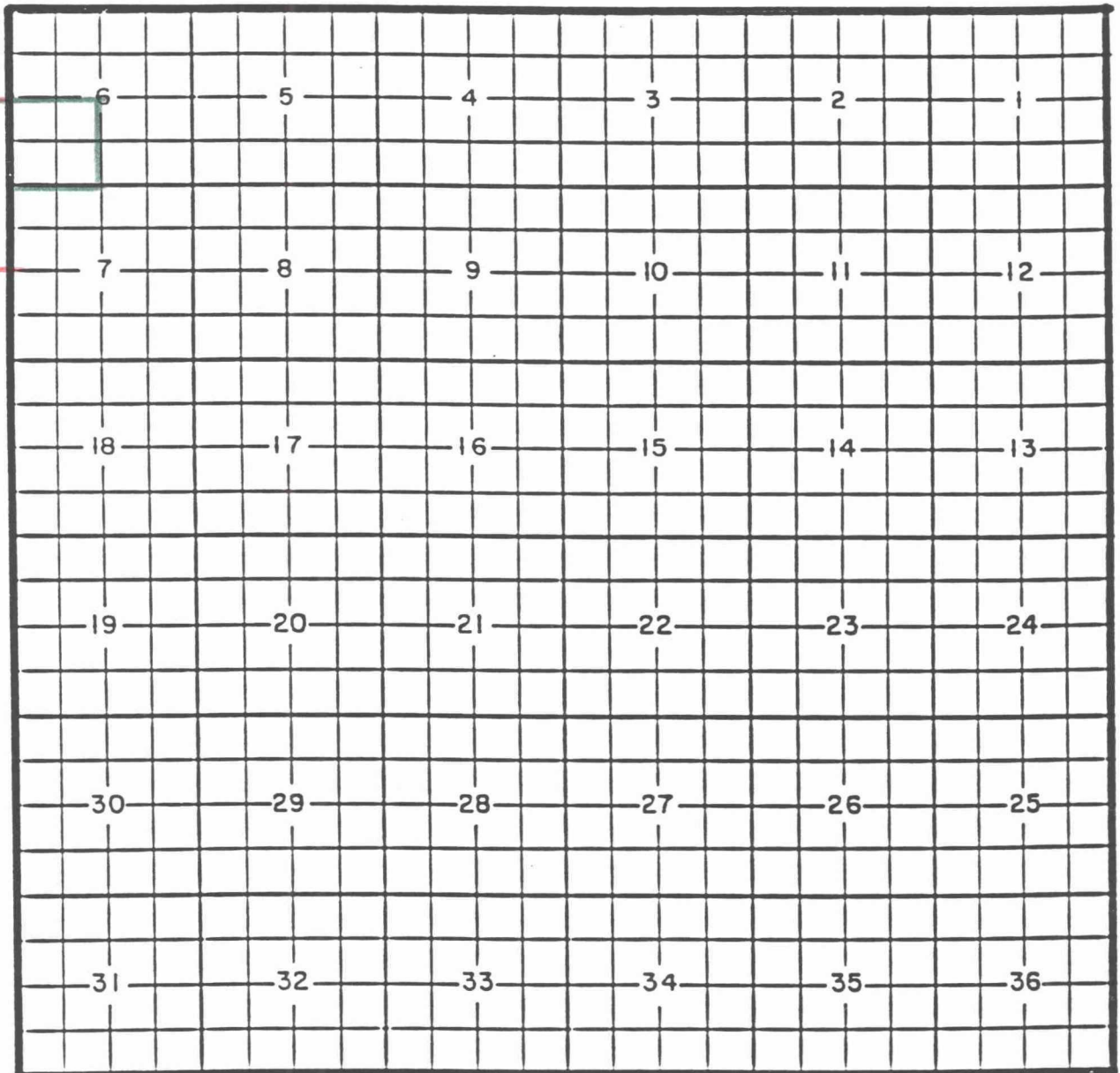
Harvey E. Yates Co. Shoot 12 Federal Well No. 1 located in Unit J of Section 12, Township 18 South, Range 32 East, NMPM. It was completed December 21, 1989, in the Bone Spring formation. The top of the perforations is at 9,022 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 2: NE/4; Section 12: SE/4

COUNTY LEA POOL NORTH YOUNG-BONE SPRING

TOWNSHIP 18 South RANGE 33 East NMPM



PURPOSE: One completed oil well capable of producing.

Santa Fe Energy Operating Partners, L.P. Sniper AM6 Federal Well No. 1 located in Unit M of Section 6, Township 18 South, Range 33 East, NMPM. It was completed November 26, 1989, in the Bone Spring formation. The top of the perforations is at 8,463 feet.

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section 6: SW/4