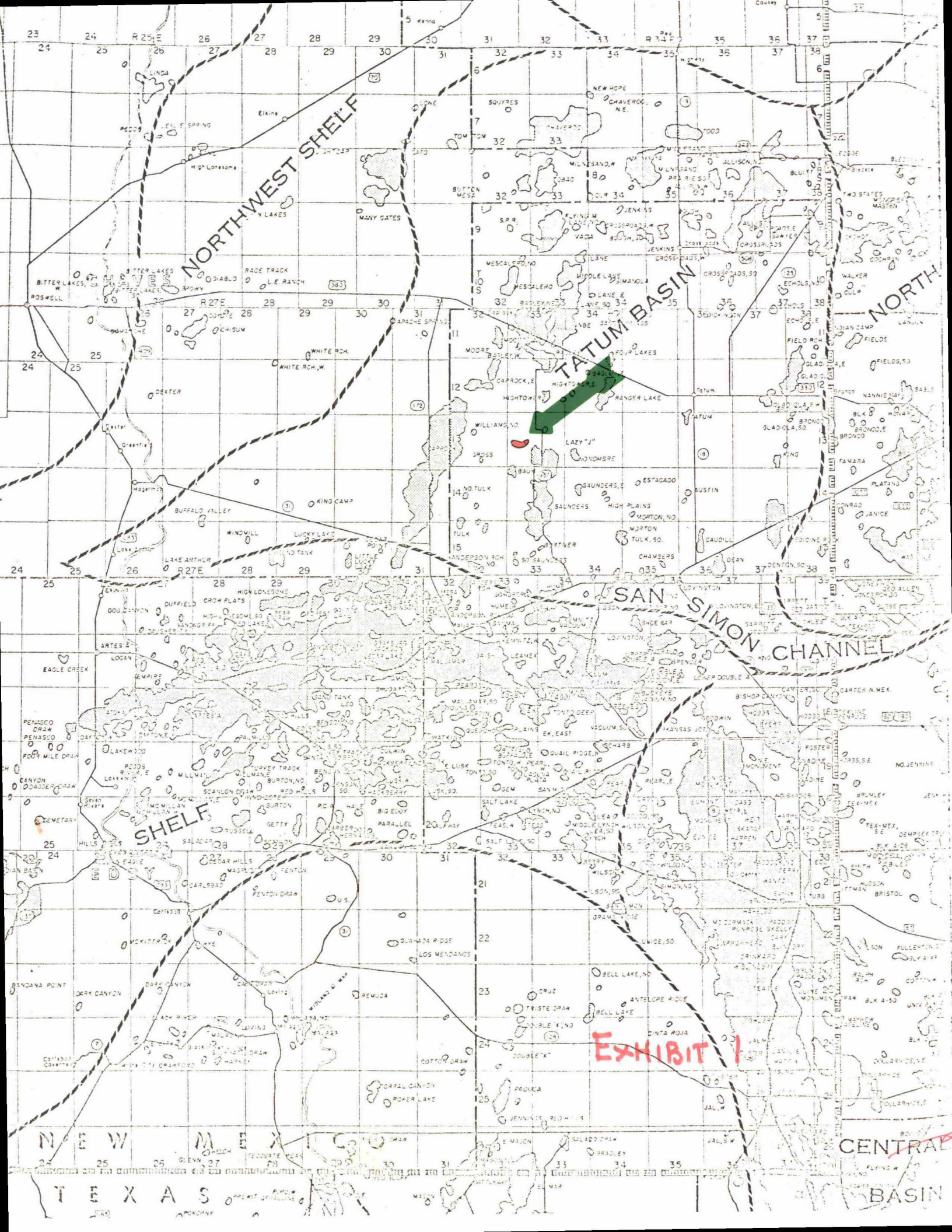
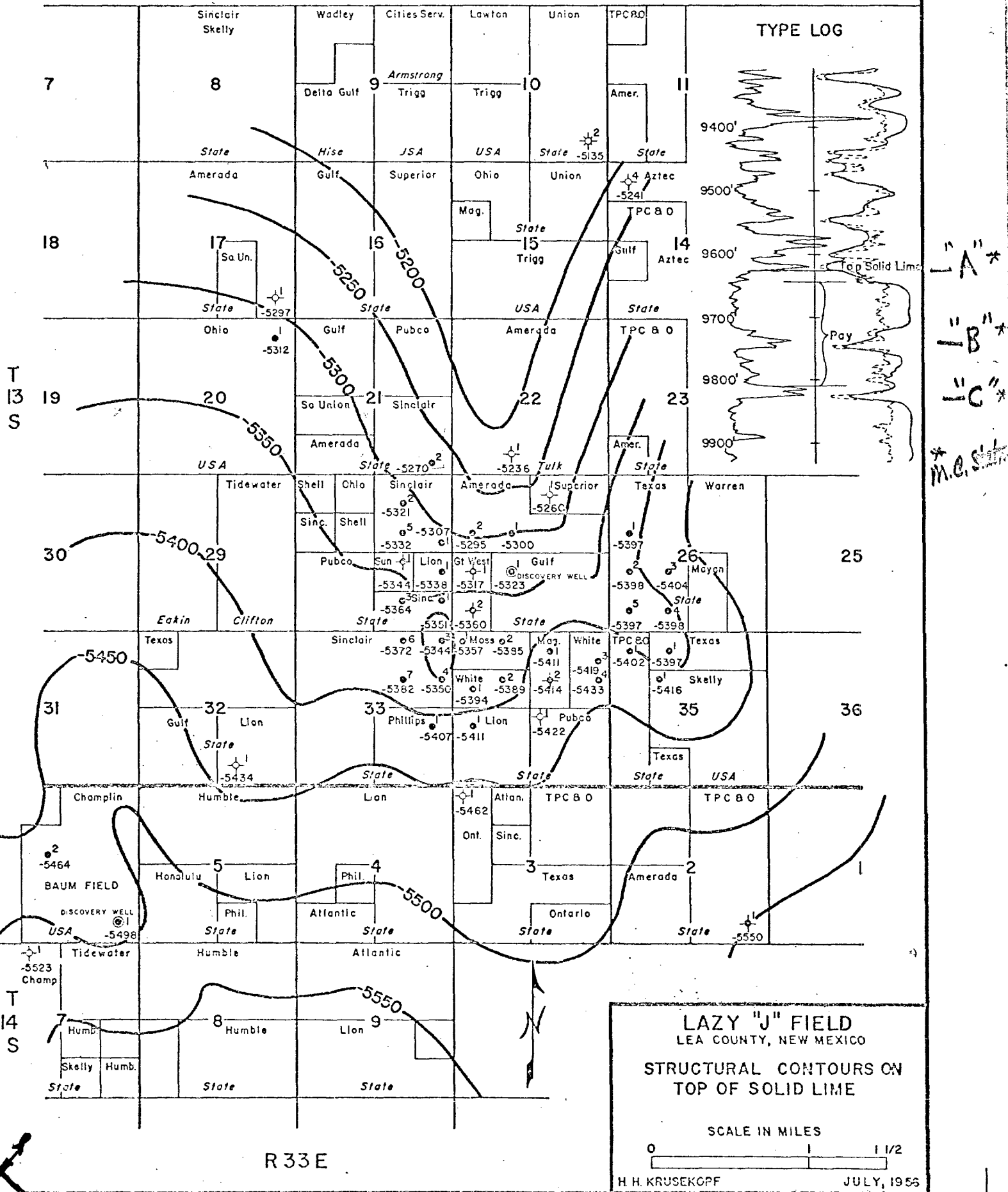




BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
CASE NO. 3993
EXHIBIT NO. 1

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 3993

R 33 E



*A Symposium of Oil & Gas Fields of Eastern New Mexico, 1956
Rowell Geological Society. p. 228*

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

EXHIBIT NO. 3

CASE NO. 3993

Data prepared by: Henry H. Krusekopf, Jr.
Affiliation: Pubco Petroleum Corporation
Date: 7-1-56

Field Name: Lazy "J" (Pennsylvanian) 7,200 BOPD
Location: T. 13 S., R. 33 E.
County & State: Lea County, New Mexico

DISCOVERY WELL: Gulf #1 State AN, Sec. 27-13S-33E COMPLETION DATE: 10-1-52
PAY ZONE: Permo-Pennsylvanian at approximately 9,600 feet (minus 5,350 feet). White to light gray medium crystalline limestone with vuggy porosity and occasional green and gray shale partings. Net pay thickness averages about 20 feet in zones of 1 to 10 feet scattered through an interval of 175 feet. (Map contoured on top of "solid lime" of Permo-Pennsylvanian).

TYPICAL CORE ANALYSIS OF A PAY INTERVAL IN THIS FIELD:

Perm. in millidarcys		% Porosity	Liquid Saturation (% of pore space)	
Horizontal	Vertical		Water	Oil
8.1		6.2	35.0	10.0

OTHER SHOWS ENCOUNTERED IN THIS FIELD: Lawton #2 State in Sec. 10 was completed as a gas distillate well in 1952 from the lower Penn. at 11,340 feet, later was abandoned after producing 2,754 bbls. distillate and 38,351 MCF gas, reservoir depleted. Lawton #2 State, Ohio #1 Trigg Sec. 20 and Gulf #1 State AN Sec. 27 have tested water in the Devonian.

TRAP TYPE: Sharp nose with permeability barrier on the north.
NATURE OF OIL: Green, paraffin base, sweet oil, gravity 43° A.P.I.
NATURE OF GAS: Solution gas sold to Warren Pet. gasoline plant. GOR 1200-1.
NATURE OF PRODUCING ZONE WATER: Resistivity: 0.067 ohm-meters @ 27 C.

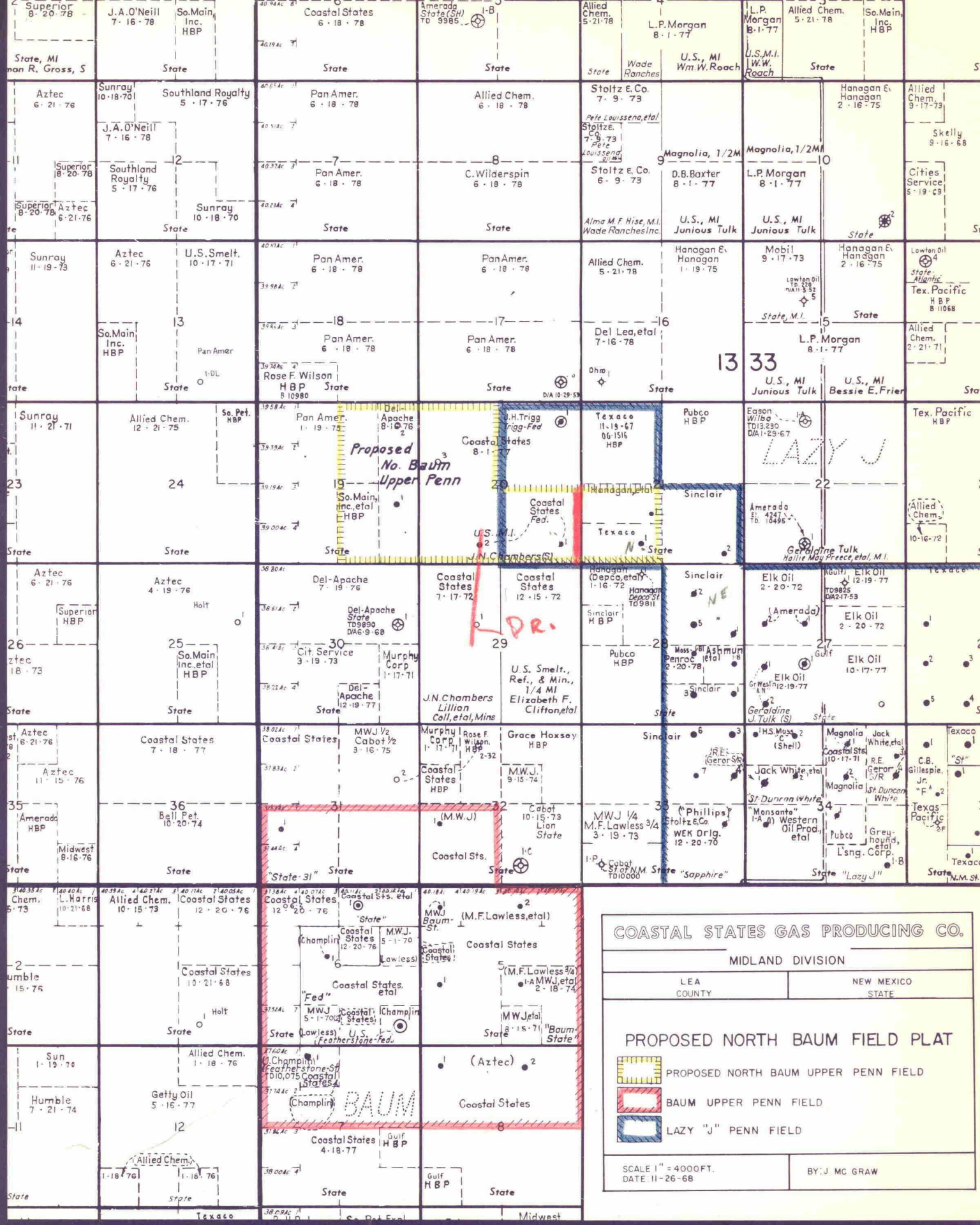
	Total Solids	Na/K	Ca	Mg	Fe	SO4	Cl	CO2	HCO3	OH	H2S
ppm	105,853	33,728	5,520	1,118	tr.	765	64,354		256		

INITIAL FIELD PRESSURE: 3,546 psi. after 190 hrs. at a depth of 5,370 feet below sea level. Reservoir temp. 146° F.
TYPE OF DRIVE: Gas expansion drive.
NORMAL COMPLETION PRACTICES: Drill through the pay, run DST's, set pipe and selectively perforate. Some wells completed in the upper 50 feet of the solid lime were later drilled deeper 50 to 100 feet into the lower zone. All wells completed flowing but now are all on pump. Usually 50 feet of section is perforated and treated with 1,000 gallons acid.

PRODUCTION DATA:

No. of wells @ yr. end				Production		No. of wells @ yr. end				Production	
Year	Type	Prod.	Shut in or Abnd.	Oil in barrels Gas in MMCF		Year	Type	Prod.	Shut in or Abnd.	Oil in barrels Gas in MMCF	
				Annual	Cumulative					Annual	Cumulative
1941	oil					1949	oil				
	gas						gas				
1942	oil					1950	oil				
	gas						gas				
1943	oil					1951	oil				
	gas						gas				
1944	oil					1952	oil	2	0	18,725	18,725
	gas						gas			25.536	25.536
1945	oil					1953	oil	14	0	347,604	366,329
	gas						gas			484,474	510,010
1946	oil					1954	oil	32	0	674,120	1,040,449
	gas						gas			1,074,527	1,584,537
1947	oil					1955	oil	32	4	708,538	1,748,986
	gas						gas			1,090,515	2,675,052
1948	oil					1956*	oil	31	5	175,456	1,924,442
	gas						gas			249,655	2,924,707

* 1956 Figure is production to 5-1-56.



CLARENCE E. HINKLE
W. E. BONDURANT, JR.
S. B. CHRISTY IV
LEWIS C. COX, JR.
PAUL W. EATON, JR.
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. SHANOR

C. D. MARTIN
PAUL J. KELLY, JR.

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MIDLAND, TEXAS OFFICE
521 MIDLAND TOWER
(915) MU 3-4691

December 15, 1969

TELEPHONE (505) 622-6510
POST OFFICE BOX 10

Oil Conservation Commission
Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

There is enclosed herewith in triplicate application of Coastal States Gas Producing Company to amend the temporary special pool rules adopted for the North Baum-Upper Pennsylvanian Pool so as to provide for 160 acre allowables rather than 80 acre allowables as provided in the temporary order.

It is our understanding that pursuant to Order R-3644 in Case No. 3993 this matter will be reopened at the first examiner's hearing in January and we desire to have the enclosed application set down for hearing at the same time as a companion case.

Yours very truly,

HINKLE, BONDURANT & CHRISTY

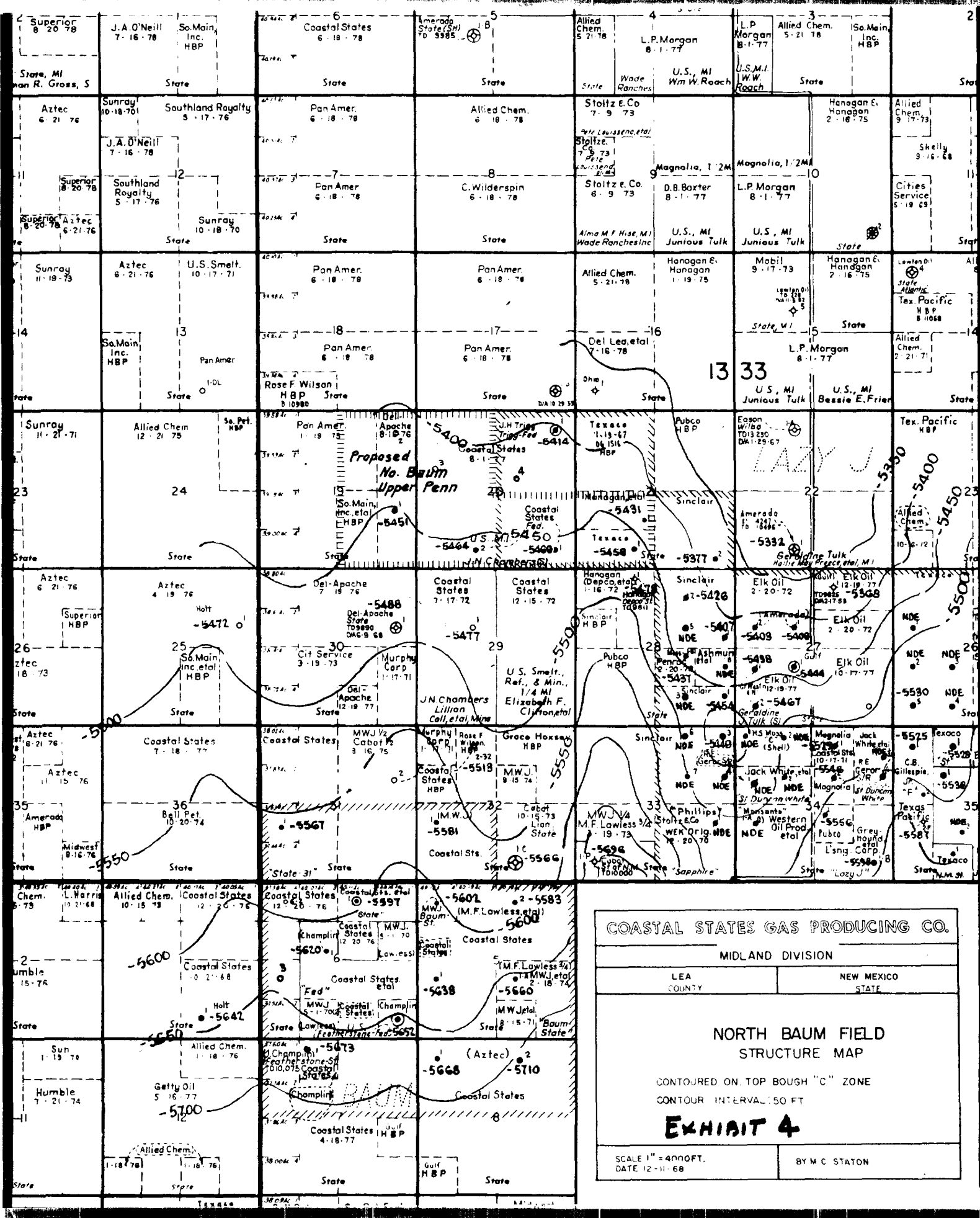
By Clarence E. Hinkle
CH

CEH:cs
Enc.
cc: Jack McGraw

It is not necessary to set this case on the subject matter can be covered in the re-opening of case No. 3993
George
file
Case
3993

DOCKET MAILED

Date 12-24-69



COASTAL STATES GAS PRODUCING CO.

MIDLAND DIVISION

LEA COUNTY

NEW MEXICO STATE

NORTH BAUM FIELD

STRUCTURE MAP

CONTOURED ON TOP BOUGH "C" ZONE
CONTOUR INTERVAL 50 FT

EXHIBIT 4

SCALE 1" = 4000 FT.
DATE 12-11-68

BY M C STATON

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

EXHIBIT NO. 4

CASE NO. 3993

TD: 9985

1-B

BEFORE EXAMINER USE
OIL CONSERVATION COMMISSION

EXHIBIT NO. 5

CASE NO. 9

Lawton
State
TD 13080

Lawton
State
TD 10008

Lawton
State
TD 220

R-33-E

Ohio
State
TD 9765

TD 660

Ohio
State
TD 15670

Eason
Wilbo
EI 4253
TD 13,230

Amarada
TD 10,498

Union Tex.
State
TD 10,180

LAZY

"Chambers"

"Clifton"

Lion
State
TD 9878

Cabot
State of N.M.
TD 10,000

Sinclair
State
TD 10000

TEYACO
N.M. 10000-11
TD 10030

Texas
State
TD 10000

COASTAL STATES GAS PRODUCING CO.

MIDLAND DIVISION

LEA
COUNTY

NEW MEXICO
STATE

BAUM FIELD

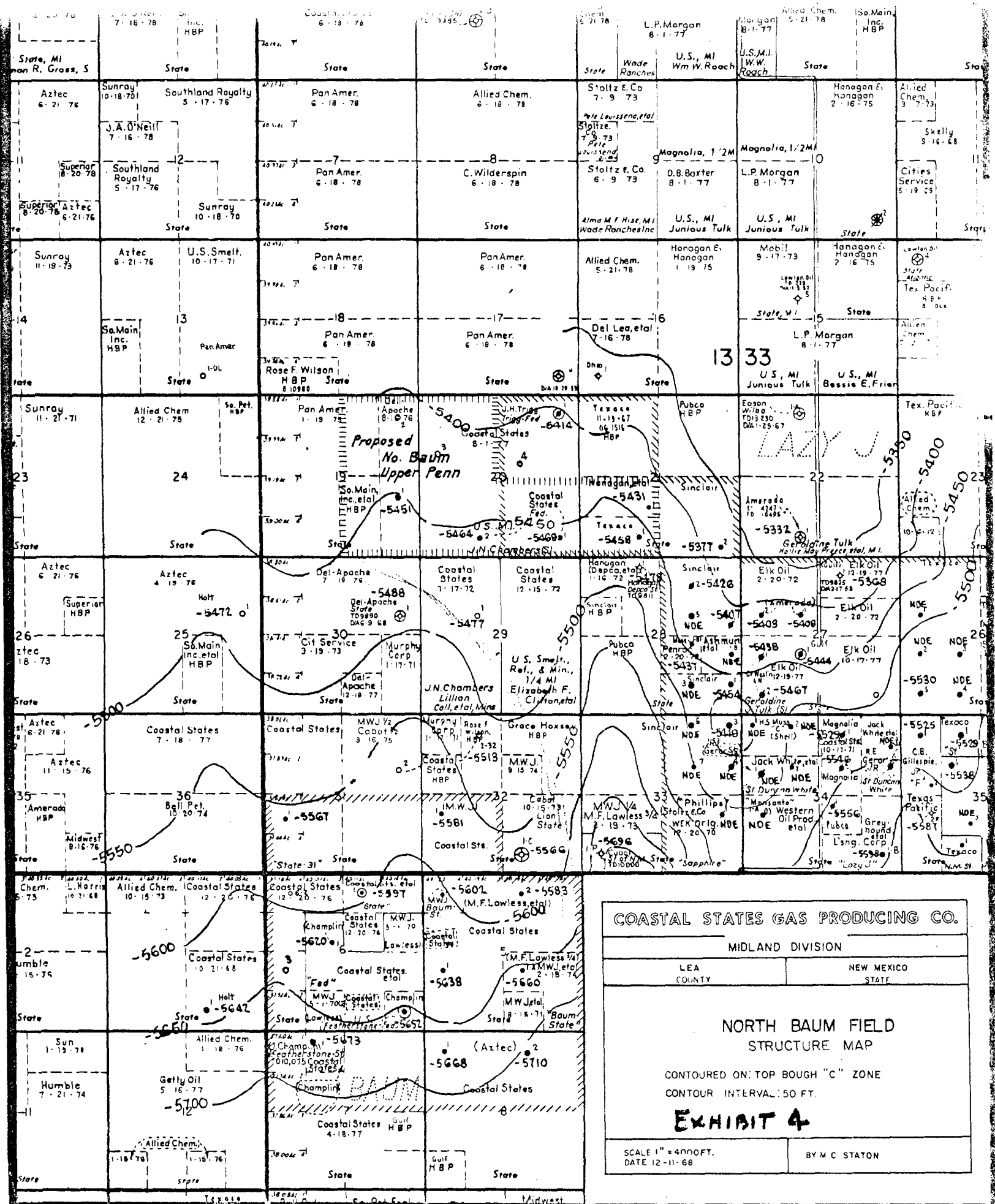
ISOPACH MAP

CONTOURED ON NET POROSITY, BOUGH "C"
CONTOUR INTERVAL 10 FEET

EXHIBIT 5

SCALE 1" = 2000 FT

BY M.C. STATION, C.R.



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
CASE NO. 3993 EXHIBIT NO. 67

Amerada
State (SH)
TD. 9985

1-B

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION

EXHIBIT NO. 5

CASE NO. 9993

Lawton
State
TD 13080

Lawton
State
TD 220

Lawton
State
TD 10008

Ohio
State
TD 9765

TD 660

R-33-E

Ohio
State
TD 13670

Eason
Wilbo
EI 4253
TD 13,230

Amerada
Tulsa
TD 10495

Union Tex.
State
TD 10,180

LAZY

Lion
State
TD 9878

Cabot
St. of N.M.
TD 10,000

Sinclair
State
TD 10000

TEXACO
N.M. ACCT-11
TD 10030

Texas
State
TD 10080

Champion
Featherstone
TD 10075

COASTAL STATES GAS PRODUCING CO.

MIDLAND DIVISION

LEA
COUNTY

NEW MEXICO
STATE

BAUM FIELD
ISOPACH MAP

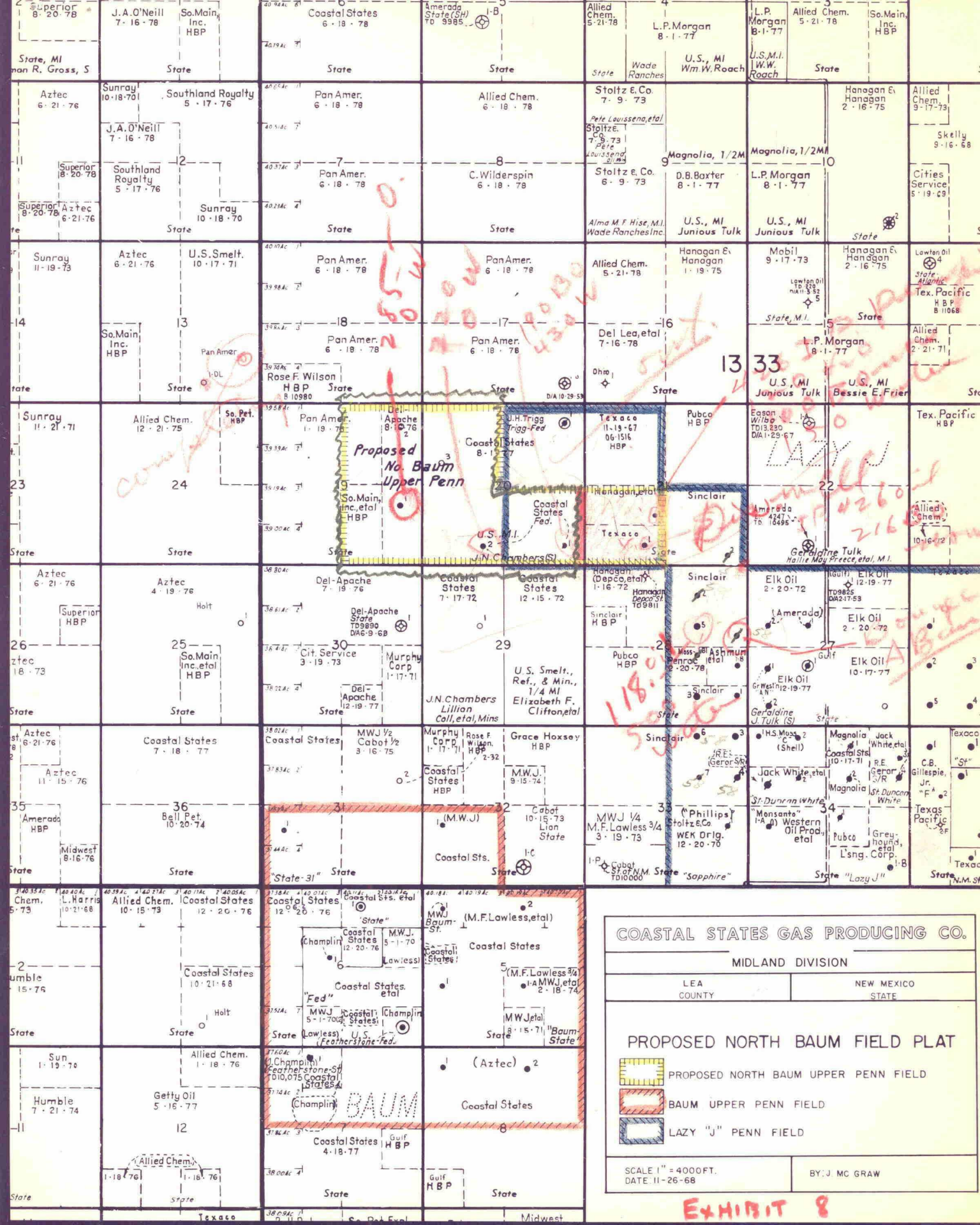
CONTOURED ON NET POROSITY, BOUGH "C"
CONTOUR INTERVAL 10 FEET

EXHIBIT 5

SCALE 1" = 2000 FT.
DATE 11-6-68

BY: M.C. STATON CPG

GAUNDE



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
CASE NO. 3293 EXHIBIT NO. 8

BEFORE EXAMINER UTZ OIL CONSERVATION COMMISSION

EXHIBIT NO. 9

CASE NO. 3998

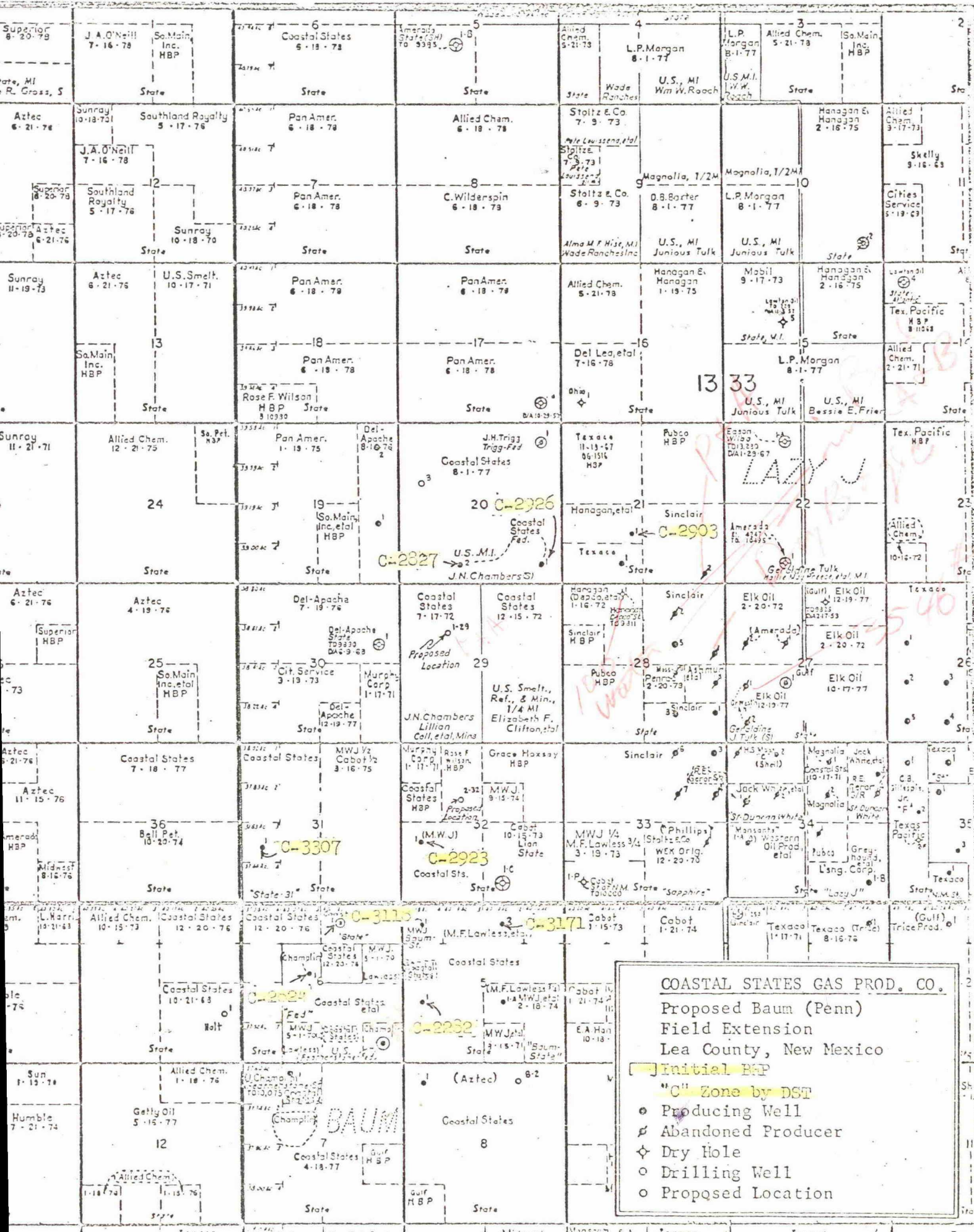


EXHIBIT 9

PROPOSED NORTH BAUM UPPER PENN FIELD
ECONOMICS

Gross price per barrel	\$ 3.13 per barrel
Gross casinghead gas price per barrel of crude	.15 per barrel
Mineral interest income at .8125	2.66 per barrel
Operating cost, SWD cost and taxes	.50 per barrel
Net working interest income	2.16 per barrel

Estimated recovery	<u>40 Acres</u>	<u>80 Acres</u>	<u>160 Acres</u>
	37,800 Bbls.	75,500 Bbls.	151,000 Bbls.
Total net income	\$ 81,500	\$ 163,000	\$ 326,000
Development cost per well . . .	\$190,000	\$ 190,000	\$ 190,000
Ratio of income to investment .	0.44	0.86	1.72

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
EXHIBIT NO. <u>10</u>	
CASE NO. <u>3993</u>	