

CASE 6513: YATES PETROLEUM CORPORATION
FOR DOWNHOLE COMMINGLING, EDDY COUNTY,
NEW MEXICO

CASE NO.

65/3

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
State Land Office Building
Santa Fe, New Mexico
28 March 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corpor-) CASE
ation for downhole commingling, Eddy) 6513
County, New Mexico.)

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

Lynn Teschendorf, Esq.
Legal Counsel for the Division
State Land Office Bldg.
Santa Fe, New Mexico 87503

For the Applicant:

Joel Carson, Esq.
LOSEE, CARSON & DICKERSON P.A.
Artesia, New Mexico

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
8020 Plaza Blanca (SOS) 471-2462
Santa Fe, New Mexico 87501

I N D E X

EDDIE MAHFOOD

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E X H I B I T S

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Applicant Exhibit Four, Log	5

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Santa Fe, New Mexico 87501

1 MR. STAMETS: We'll call next Case 6513.
2 MS. TESCHENDORF: Case 6513. Application of
3 Yates Petroleum Corporation for downhole commingling, Eddy
4 County, New Mexico.
5 MR. CARSON: Mr. Examiner, I'm Joel Carson,
6 Losee, Carson and Dickerson, P. A., Artesia, New Mexico,
7 appearing on behalf of the applicant. I have one witness,
8 Mr. Eddie Mahfood, who was -- who has previously been sworn
9 in Case Number 6511.
10 MR. STAMETS: Let the record show that the
11 witness is sworn and qualified.
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13 EDDIE MAHFOOD
14 being called as a witness and having been previously sworn
15 upon his oath, testified as follows, to-wit:
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17 DIRECT EXAMINATION
18 BY MR. CARSON:
19 Q Mr. Mahfood, would you state the purpose
20 of this application?
21 A This well had declined in production from
22 the Atoka and we recompleted it in the Morrow, so that puts
23 the Atoka perforations open in the casing and the Morrow
24 producing in the tubing.
25 We would like to dual complete this well

1 and commingle the two zones because the Morrow is also de-
2 pleting.

3 Q Let's see, which one are we on, Eddie?

4 (There followed a discussion
5 off the record.)

6 Q Okay, would you please identify Applicant's
7 Exhibit Number One?

8 A Number One is a ownership map showing the
9 location of the Stebbins GQ Federal No. 1 and the north half
10 dedication, Section 20, 20 South, 29 East.

11 Q I refer you to Applicant's Exhibit Number
12 Two and ask you to identify that and explain what it shows.

13 A Exhibit Two is a diagrammatic sketch of the
14 proposed well dual completion. It shows two sets of per-
15 forations with the East Burton Flats Atoka in the annulus
16 and the East Burton Flats Morrow producing below the packer
17 through the tubing.

18 The East Burton Flats Atoka was a natural
19 completion for 5.5-million, but at the present -- at the
20 time we temporarily abandoned it, it was floating on the
21 line.

22 Q What about the East Burton Flats Morrow?

23 A The East Burton Flats Morrow was potentialed
24 for 2.05-million and at the present time it's producing
25 approximately a million one a day, but the -- it is declining.

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SALLY WALTON BOYD
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3010 Plaza Blanca (606) 471-2462
Santa Fe, New Mexico 87501

1 Q I refer you to Applicant's Exhibit Number
2 Three and ask you to identify that and explain what it shows.

3 A Exhibit Three is the history, production
4 history, of the Stebbins GQ. We see one -- the first two
5 months of production was the peanut sale I spoke of earlier,
6 the first emergency sale. Then we have another two months
7 in '78 with emergency sale, and we have a long term sale
8 beginning in June of '78.

9 The red line is the production line of the
10 Atoka gas, which shows a steady decline. The last production
11 history -- the last production it was something like 600
12 and it's 440 Mcf per day and then it died on the line.

13 We shut it in for about two weeks, put it
14 back on the line and it was dead again in a week. Shut it
15 back in, put it back on for two days and it was off again.

16 And at this point we temporarily abandoned
17 the Atoka and looked at the Morrow zone. The Morrow zone
18 came in slowly and it's kind of leveled off at 1.1-million
19 a day. It leveled off with just a few days of history,
20 about two weeks of history. I think it's down -- it's still
21 continued to fall.

22 Yesterday it produced 1.2-million at 1225
23 pounds of tubing pressure.

24 Q I refer you to Applicant's Exhibit Number
25 Four and ask you to identify that and explain what it shows.

1 A Exhibit Four is a copy of the electric logs.
2 On the left is the CNLFDC log and on the right the DNL log
3 with RXL curve on it.

4 The orange denotes the pay. The yellow
5 separates the RXL from the DLL.

6 Q Mr. Mahfood, are there any liquids produced
7 from this well?

8 A Yes, there is condensate produced from the
9 Atoka and from the Morrow.

10 Q And what -- do you have any figures on that?

11 A No, before the Atoka died it ceased to pro-
12 duce any condensate.

13 Q Mr. Mahfood, were these exhibits prepared
14 by you or under your supervision?

15 A Yes.

16 Q Would you -- in your professional opinion
17 is -- would the granting of this application be in accordance
18 with sound engineering practices, would it prevent waste,
19 and otherwise protect correlative rights?

20 A Yes. We're connected to El Paso Natural
21 Gas and we have no idea when they'll lower the line pressure
22 By commingling the Morrow with the Atoka, the Morrow gas
23 will enable the Atoka to unload its fluid.

24 MR. CARSON: I have no further questions of
25 the witness.

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CROSS EXAMINATION

BY MR. STAMETS:

Q What is the line pressure, Mr. Mahfood?

A Around 700 pounds.

Q Now, looking at the Atoka shut-in pressure, that occurred during December and January, it would appear that that shut-in pressure is just about equal to the current Morrow tubing pressure, is that correct?

A It's less, actually. The Morrow tubing pressure is 1225 pounds as of yesterday, flowing at 1.2-million a day, and the shut-in pressure on the Stebbins after two weeks was only 1100 pounds.

Q So there's still -- the Morrow still has somewhat higher pressures than the Atoka.

A Definitely.

Q Okay, now you think you're going to have any feeding of the Morrow gas into the Atoka interval with this well completed downhole commingling?

A Well, we are running continuous seal now, Mr. Examiner, so I wouldn't see any problem there, once you establish percentage, I mean, reserves for this -- for the Atoka and for the Morrow, there should be no problem.

If we recharge -- well, we're not planning to shut the well in, for more than a day or two for bottom

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1 hole pressure occasionally, therefore there should be no
2 loss of fluids from the Morrow to the Atoka.

3 Q And you do indicate the Atoka would produce
4 liquids as well.

5 A Yes.

6 The black on Exhibit Three is condensate
7 production. You see where the production was around 14 15
8 barrels a day back in '77, and in December it produced no
9 oil at all, no condensate. At that time it appears the
10 well was loading up with fluid.

11 Q Now how will you allocate this production
12 to these two zones?

13 A I will determine the remaining reserves in
14 each zone and allocate future production on the basis of
15 the remaining reserves.

16 Q Okay. So you'd consult with the district
17 supervisor on that basis and make that determination.

18 A Yes, sir.

19 MR. STAMETS: Any other questions of the
20 witness? He may be excused.

21 Anything further in this case?

22 Take the case under advisement.

23 (Hearing Concluded.)
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REPORTER'S CERTIFICATE

I, SALLY WALTON BOYD, a Court Reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Oil Conservation Division was reported by me; that said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability, knowledge, and skill, from my notes taken at the time of the hearing.

Sally W. Boyd
Sally W. Boyd, C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 6513, heard by me on 3-28-1929.
Richard L. Stem, Examiner
Oil Conservation Division

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OIL CONSERVATION DIVISION
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2020 Plaza Blanca, C-16 471-2482
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Sally W. Boyd, C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. _____ heard by me on _____ 19____.

_____, Examiner
Oil Conservation Division.

SALLY WALTON BOYD
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3020 Plaza Blanca (SOS) 471-2452
Santa Fe, New Mexico 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6513
Order No. R-5974

APPLICATION OF YATES PETROLEUM
CORPORATION FOR DOWNHOLE COMMINGLING,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on March 28, 1979, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 9th day of April, 1979, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Yates Petroleum Corporation, is the owner and operator of the Stebbins GO Fed. Well No. 1, located in Unit B of Section 20, Township 20 South, Range 29 East, NMPM, Eddy County, New Mexico.

(3) That the applicant seeks authority to commingle Atoka and Morrow production within the wellbore of the above-described well.

(4) That from the Atoka zone, the subject well is capable of low marginal production only.

(5) That from the Morrow zone, the production from the subject well is rapidly declining.

-2-

Case No. 6513
Order No. R-5974

(6) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(7) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(8) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Artesia district office of the Division any time the subject well is shut-in for 7 consecutive days.

(9) That in order to allocate the commingled production to each of the commingled zones in the wells, applicant should consult with the supervisor of the Artesia district office of the Division and determine an allocation formula for each of the production zones.

IT IS THEREFORE ORDERED:

(1) That the applicant, Yates Petroleum Corporation, is hereby authorized to commingle Atoka and Morrow production within the wellbore of the Stebbins GQ Fed. Well No. 1, located in Unit B of Section 20, Township 20 South, Range 29 East, NMPM, East Burton Flats Field, Eddy County, New Mexico.

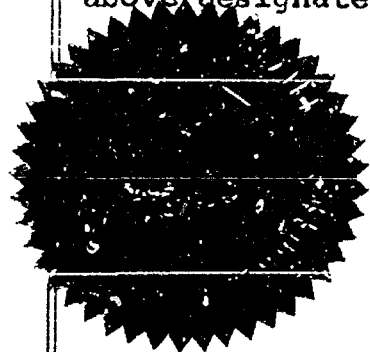
(2) That the applicant shall consult with the Supervisor of the Artesia district office of the Division and determine an allocation formula for the allocation of production to each zone in each of the subject wells.

(3) That the operator of the subject well shall immediately notify the Division's Artesia district office any time the well has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

-3-
Case No. 6513
Order No. R-5974

DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.



STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Joe D. Ramey
JOE D. RAMEY,
Director

S E A L

dr/

POTASH AREA

Diagrammatic Sketch of Proposed Dual Completion and Downhole Commingling
YPC - Stebbins GQ Federal Com. No. 1, B-20-205-29E, Eddy County, N. Mex.

Elevation: 3261' GR = 3279' KB
Spudded: 10-28-76
Completed: 1-24-77 (Morrow) (T.A.)
Completed: 2-7-77 (Atoka)
Recompleted: 1-25-79 (Morrow)

Top of Capitan ls

Top of Val Verde ss @ 3141 KB

Top of Wolfcamp @ 9190 KB

Top of Strawn ls @ 10359 KB

Top of Atoka @ 10610 KB

East Burton Flats Atoka
IPF: 940' on 1/2" ck = 5850 mcfpd

Top of Lower Morrow @ 11621 KB

East Burton Flats Morrow
IPF: 340' on 1/2" ck = 2050 mcfpd

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. 2

CASE NO. 6513

Submitted by Yates

Hearing Date 3-28-79

17 1/2" hole to 605' KB
13 3/8" 48" Csg set @ 605' KB, cemented to surface w/ 600 sx.

12 1/4" hole to 3100' KB
8 7/8" 32" J55 Csg set @ 3100', cemented to surface w/ 2000 sx.

Top of cement @ 8390' KB

Propose to downhole commingle Atoka and Morrow perforations by opening sliding sleeve @ 11351' KB, swell in Atoka and flow Morrow and Atoka in tubing

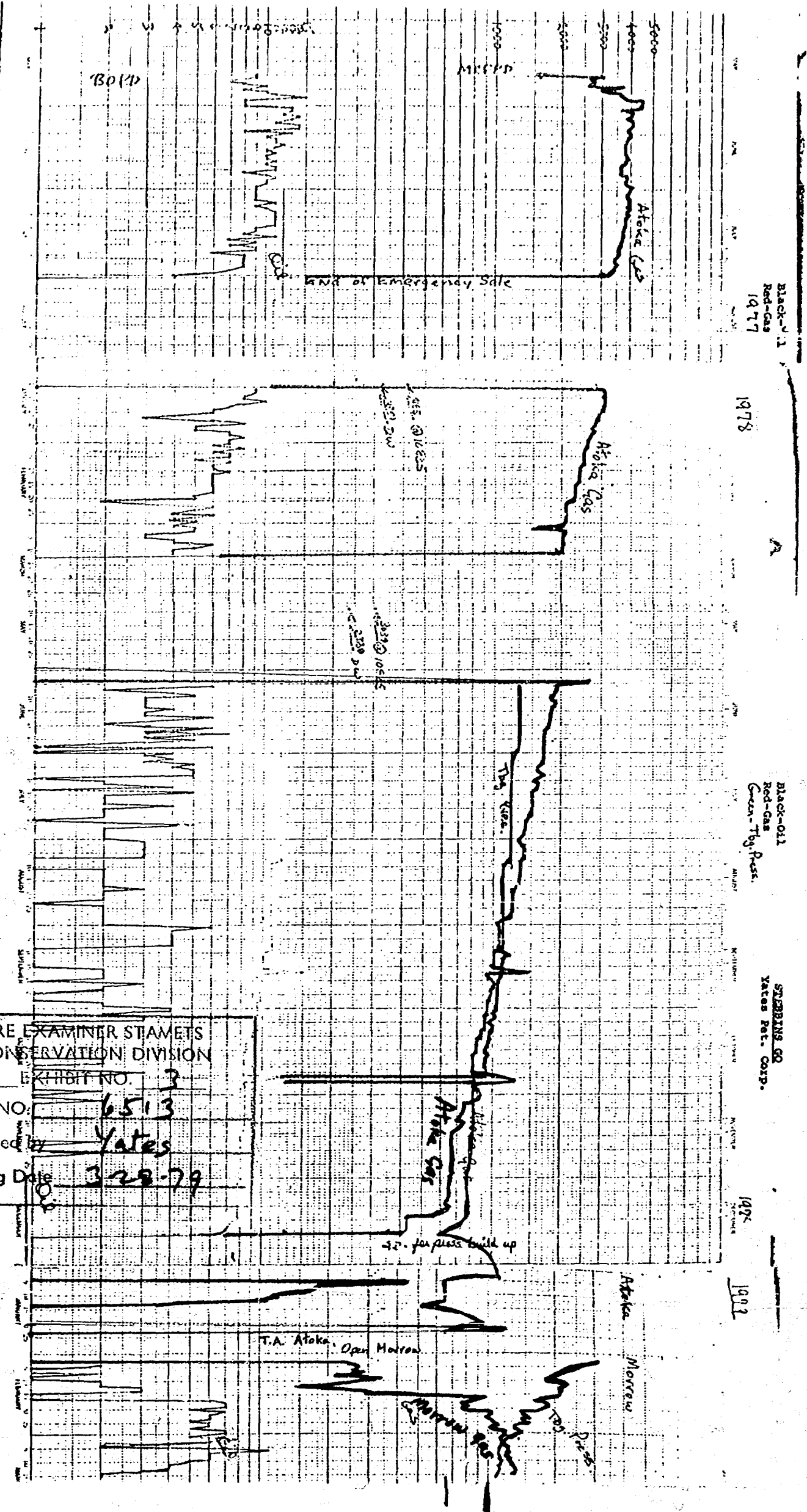
Perf 10875-882/28 .32"
Natural Completion

2 3/8" 4.7" N-80 Tbg w/ Baker Sliding Sleeve
Guiberson UNI-VI PKV w/ On-Off Tool and Standing Valve @ 11382' KB

Perf 11438-449/44 .34"
Total 3000g. 7 1/2% MSA & N₂
S. Free 12000' 20/40 + 6000' 100 mesh SA in 12000g. MS Fluid.

PBD: 11872 KB
5 1/2" 17-20" N-80 Csg set @ 11895' KB
Cmt'd w/ 600 sx.

TD: 11906 KB



BEFORE EXAMINER STAMETS
 OIL CONSERVATION DIVISION
 EXHIBIT NO. 3
 CASE NO. 6513
 Submitted by Yates
 Hearing Date 3-28-79

Black-Oil
 Red-Gas
 1977

1978

Black-Oil
 Red-Gas
 Green-Tog. Press.

STEERING CO.
 Yates Pet. Corp.

1979

1980

1981

1982

COMPANY Yates Petroleum

WELL 511-1

FIELD Shelby Co. Conn. Co.

COUNTY Shelby STATE W. Va.

DATE 11/1/51

TIME 10:00

BY W. H. H. H.

REMARKS See log

COMPANY Yates Petroleum

WELL 511-1

FIELD Shelby Co. Conn. Co.

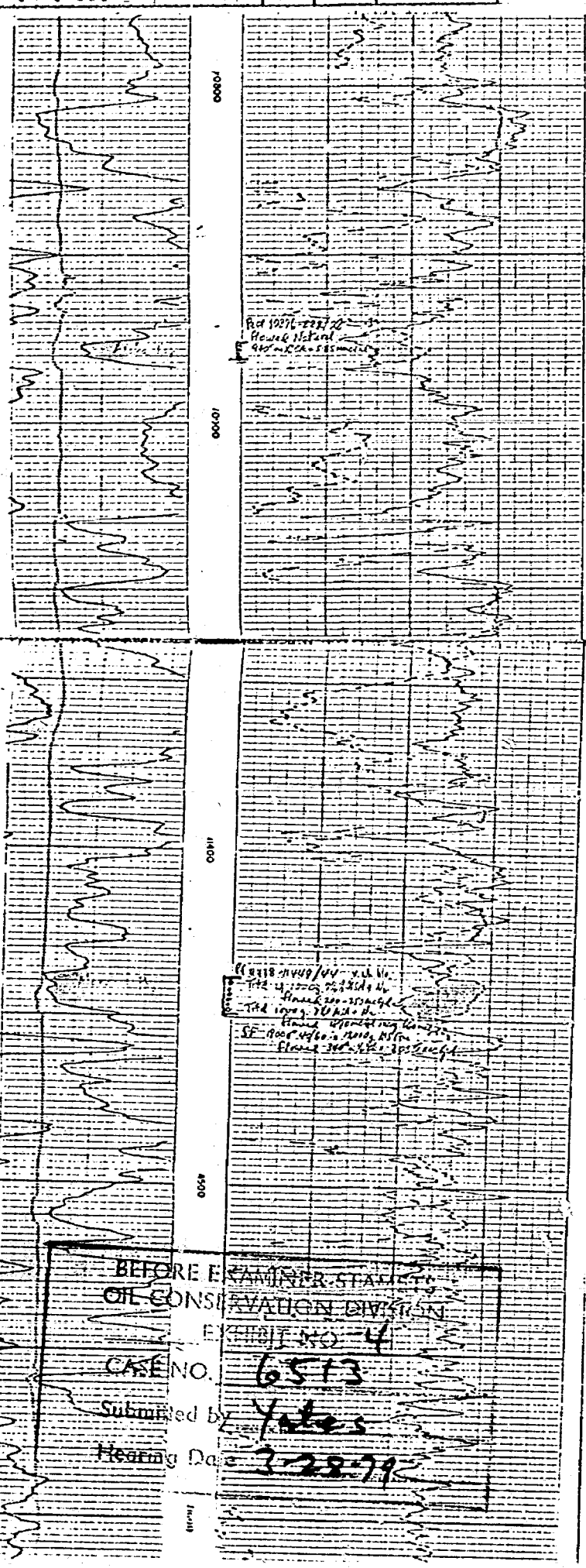
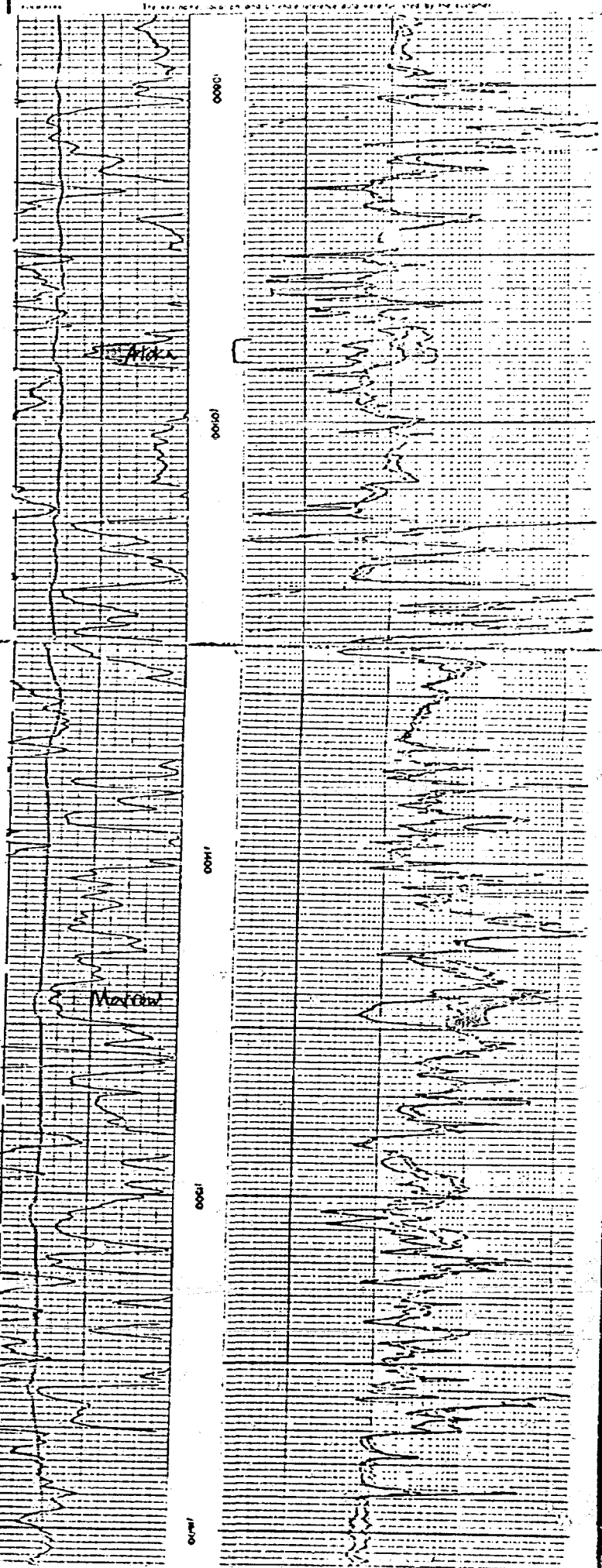
COUNTY Shelby STATE W. Va.

DATE 11/1/51

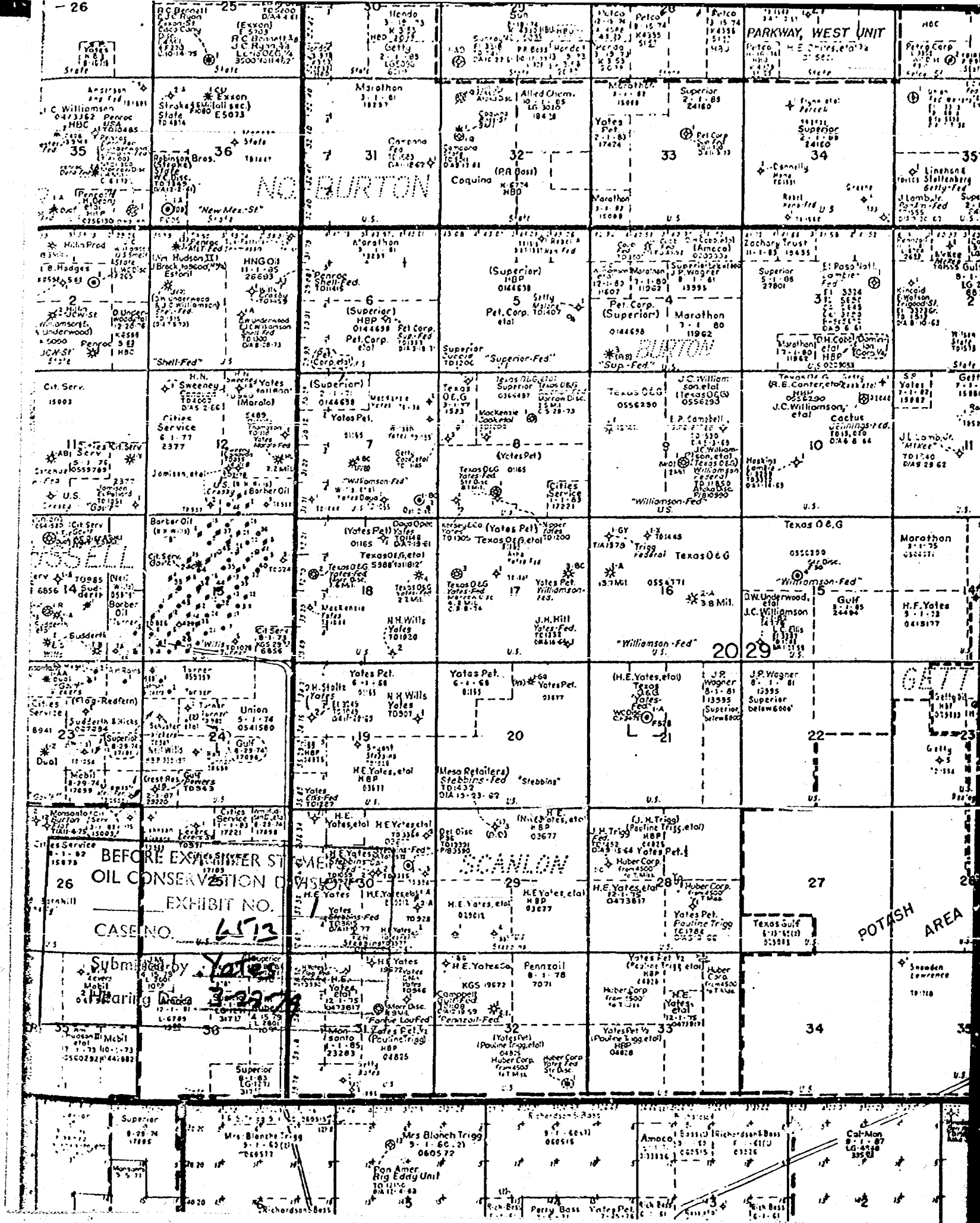
TIME 10:00

BY W. H. H. H.

REMARKS See log



BEFORE EXAMINER, STATE OF WEST VIRGINIA
 OIL CONSERVATION DIVISION
 EXHIBIT NO. 4
 CASE NO. 6513
 Submitted by Yates
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Diagrammatic Sketch of Proposed Dual Completion and Downhole Commingle
YPC - Stebbins GQ Federal Com. No. 1, B-20-20s-29E, Eddy County, N. Mex.

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Recompleted: 1-25-79 (Morrow)

Top of Capitan ls

Top of Delaware Sd @ 3141' KB

Top of Wolfcamp @ 9190' KB

Top of Strawn ls @ 10359' KB

Top of Atoka @ 10610' KB

East Burton Flats Atoka
IPF: 940' on 1/2" ck = 5850 mcfpd

Top of Lower Morrow @ 11621' KB

East Burton Flats Morrow
IPF: 340' on 1/2" ck = 2050 mcfpd

BEFORE EXAMINER STAMETS
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CASE NO. 6513

Submitted by Yates

Hearing Date 3-28-79

17 1/2" hole to 605' KB
13 3/8" 48" Csg set @ 605' KB, cemented to surface w/ 600 sx.

12 1/4" hole to 3100' KB
8 5/8" 32" J55 Csg set @ 3100', cemented to surface w/ 2000 sx.

Top of cement @ 8390' KB

Propose to downhole commingle Atoka and Morrow perforations by opening sliding sleeve @ 11351' KB, seal in Atoka and flow Morrow and Atoka in tubing.

Perf 10875-882/28 .32"
Natural Completion

2 3/8" 4.7" N-80 Tbg w/ Baker Sliding Sleeve
Guiberson UNI-VI Pkr w/ On-Off Tool and Standing Valve @ 11382' KB.

Perf 11438-449/44 .34"
Ttl 3000g. 7 1/2% MSA & N.
S. Frac 12000' 2 1/4" + 6000' 100 mesh sd in 12000g. MS Fluid.

PBTD: 11872' KB

5 1/2" 17-20" N-80 Csg set @ 11895' KB
Cmt'd w/ 600 sx.

TD: 11906' KB

Black-Oil
Red-Gas
1977

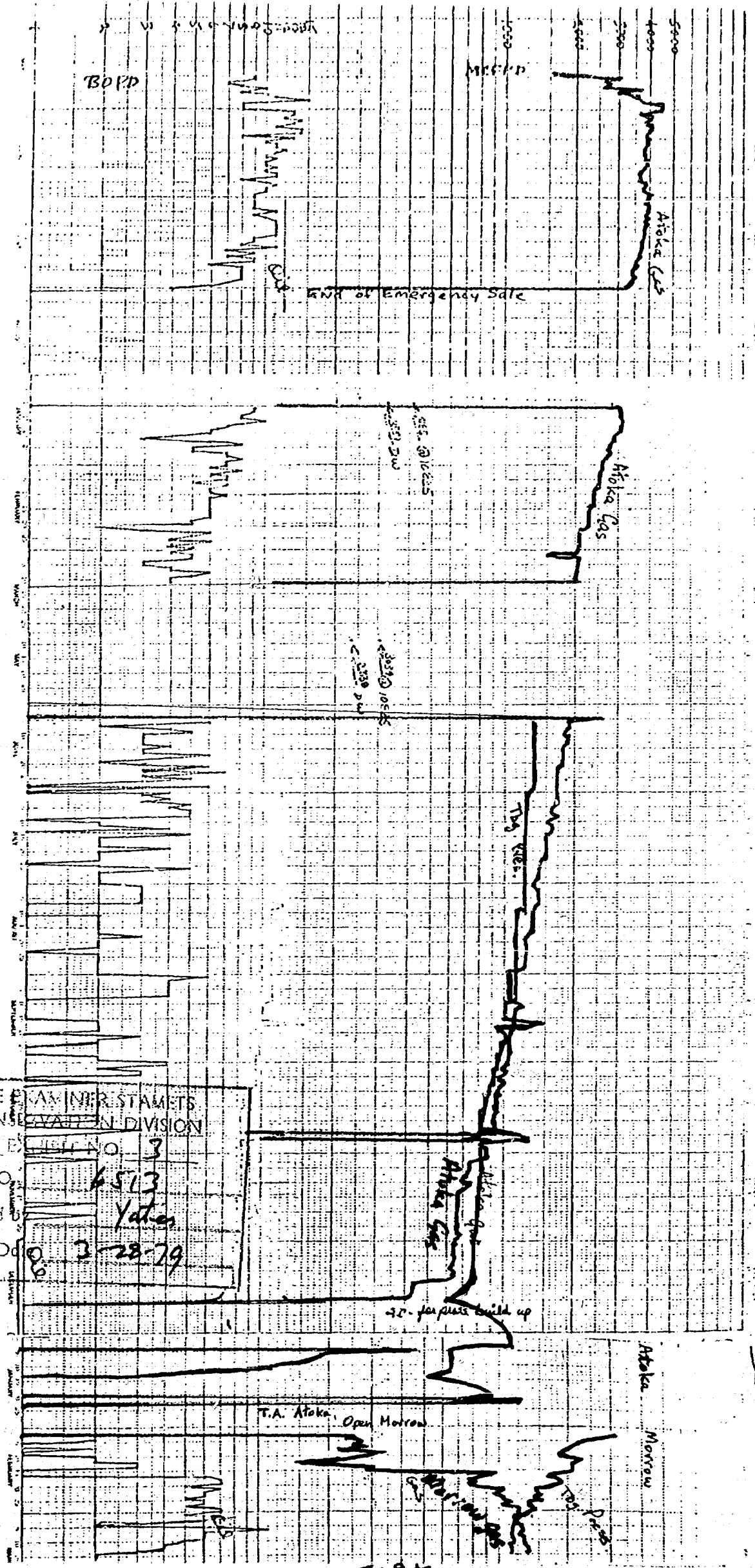
1978

Black-Oil
Red-Gas
Green-Tbg Press

STEBBINS CO
Yates Rec. Corp.

1978

1979



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. 3

CASE NO. 6513

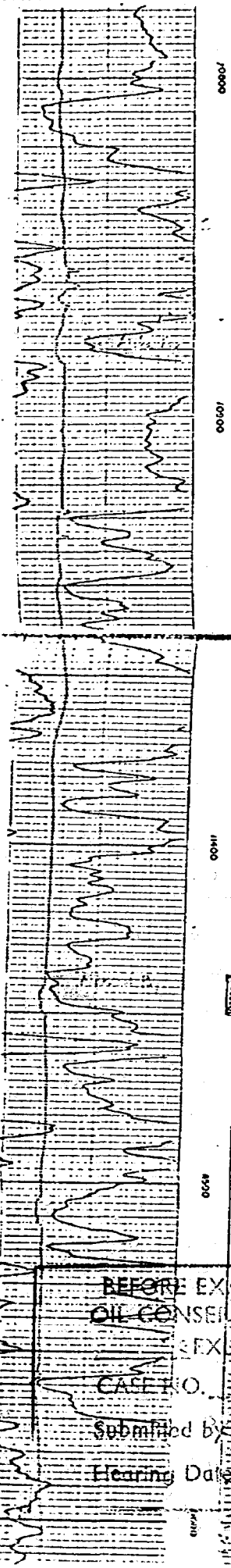
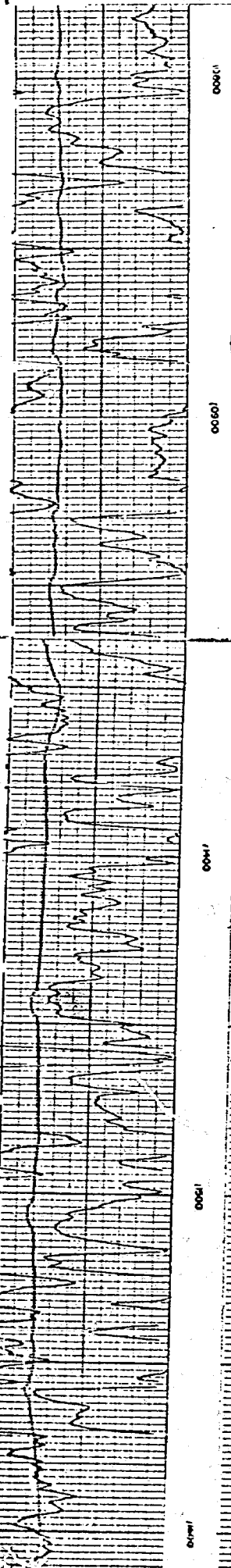
Submitted by Yates

Hearing Date 8-3-28-79

1.1 Mcr FD
at Morris
line press

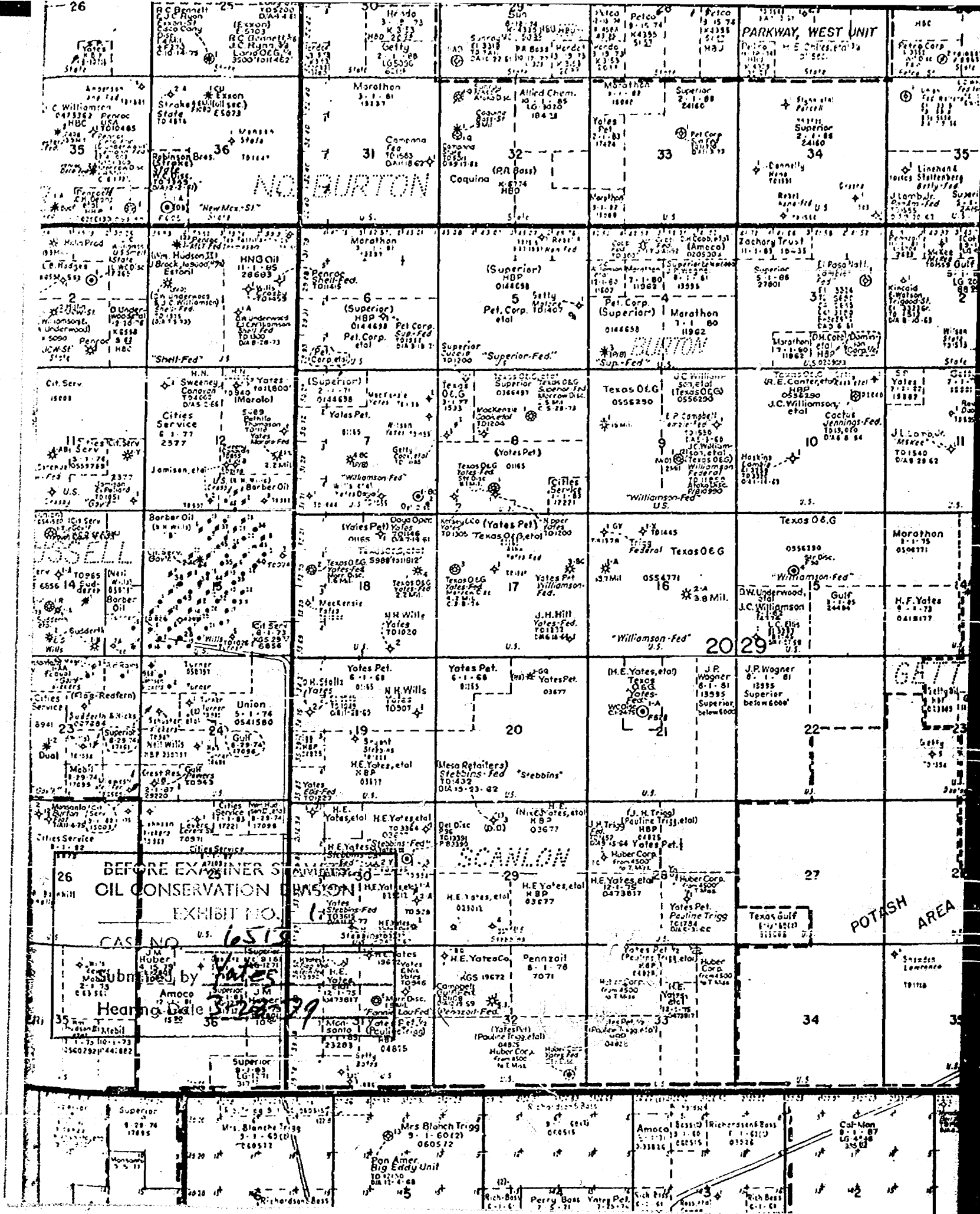
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100

[illegible]

REPORT EXAMINER STATEMENTS
OIL CONSERVATION DIVISION
EXHIBIT NO. 4
CASE NO. 4513
Submitted by Yelen
Hearing Date 3-28-79

- CASE 6509: Application of Harvey E. Yates Company for pool creation and special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order creating a new gas pool in the Yates formation for its Depco Federal Well No. 1 located in Unit D of Section 19, Township 18 South, Range 29 East, Eddy County, New Mexico, and for promulgation of special pool rules, including provision for 80-acre gas well spacing.
- CASE 6480: (Continued from February 28, 1979, Examiner Hearing)
- Application of Harvey E. Yates Company for an NGPA determination, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir or in the alternative a new onshore production well determination for its State 22 Well No. 1 located in Unit P of Section 22, Township 18 South, Range 35 East, Queen formation, Lea County, New Mexico.
- CASE 6482: (Continued from February 28, 1979, Examiner Hearing)
- Application of Harvey E. Yates Company for an NGPA determination, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir or in the alternative a new onshore production well determination for its Mobil 27 State Well No. 1 located in Unit A of Section 27, Township 18 South, Range 35 East, Queen formation, Lea County, New Mexico.
- CASE 6072: (Continued from March 14, 1979, Examiner Hearing)
- In the matter of Case 6072 being reopened pursuant to the provisions of Order No. R-5643 which order created the Travis-Upper Pennsylvanian Pool, Eddy County, New Mexico, with provisions for 80-acre spacing. All interested parties may appear and show cause why the Travis-Upper Pennsylvanian Pool should not be developed on 40-acre spacing units.
- CASE 6492: (Continued from March 14, 1979, Examiner Hearing)
- Application of Yates Petroleum Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying the NE/4 NW/4 of Section 13, Township 17 South, Range 25 East, Eddy County, New Mexico, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- CASE 6510: Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location for the Wolfcamp through Mississippian formations of its Rio Pecos Federal "KO" Well No. 1, to be located 660 feet from the North line and 1300 feet from the East line of Section 28, Township 18 South, Range 27 East, Eddy County, New Mexico, the E/2 of said Section 28 to be dedicated to the well.
- CASE 6511: Application of Yates Petroleum Corporation for a dual completion and downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Tom Brown "GO" Com. Well No. 1 located in Unit C of Section 22, Township 17 South, Range 20 East, Kennedy Farms Field, Eddy County, New Mexico, to produce gas from the Lower Morrow formation through tubing and to commingle and produce the Strawn and Upper Morrow zones in the annulus of said well.
- CASE 6512: Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Hilliard "BF" Federal Well No. 2, to be located 330 feet from the North line and 2310 feet from the West line of Section 14, Township 21 South, Range 22 East, to test the Wolfcamp through Mississippian formations, Eddy County, New Mexico, the W/2 of said Section 14 to be dedicated to the well.
- CASE 6513: Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Atoka and Morrow production in the wellbore of its Stebbins GQ Fed. Well No. 1 located in Unit B of Section 20, Township 20 South, Range 29 East, East Burton Flats Field, Eddy County, New Mexico.
- CASE 6514: Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of North Burton Flats-Atoka and East Burton Flats-Morrow production in the wellbore of its Williamson BC Fed. Well No. 4 located in Unit K of Section 7, Township 20 South, Range 29 East, Eddy County, New Mexico.



Diagrammatic Sketch of Proposed Dual Completion and Downhole Commingling
YPC-Stebbins GQ Federal Com. No. 1, B-20-20s-29E, Eddy County, N. Mex.

Elevation: 3261' GR = 3279' KB
Spudded: 10-28-76
Completed: 1-24-77 (Morrow) (T.A.)
Completed: 2-7-77 (Atoka)
Recompleted: 1-25-79 (Morrow)

Top of Capitan ls @

Top of Delaware Sd @ 3141 KB

Top of Wolfcamp @ 9140 KB

Top of Strawn Ls @ 10359 KB

Top of Atoka @ 10610 KB

East Burton Flats Atoka
IPF: 940' on 1/2" ck = 5850 mcfpd

Top of Lower Morrow @ 11621 KB

East Burton Flats Morrow
IPF: 340' on 1/2" ck = 2050 mcfpd

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. 2

CASE NO. 6513

Submitted by Yates

Hearing Date 3-29-79

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Natu. Completion

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Cmt'd w/ 600 SX.

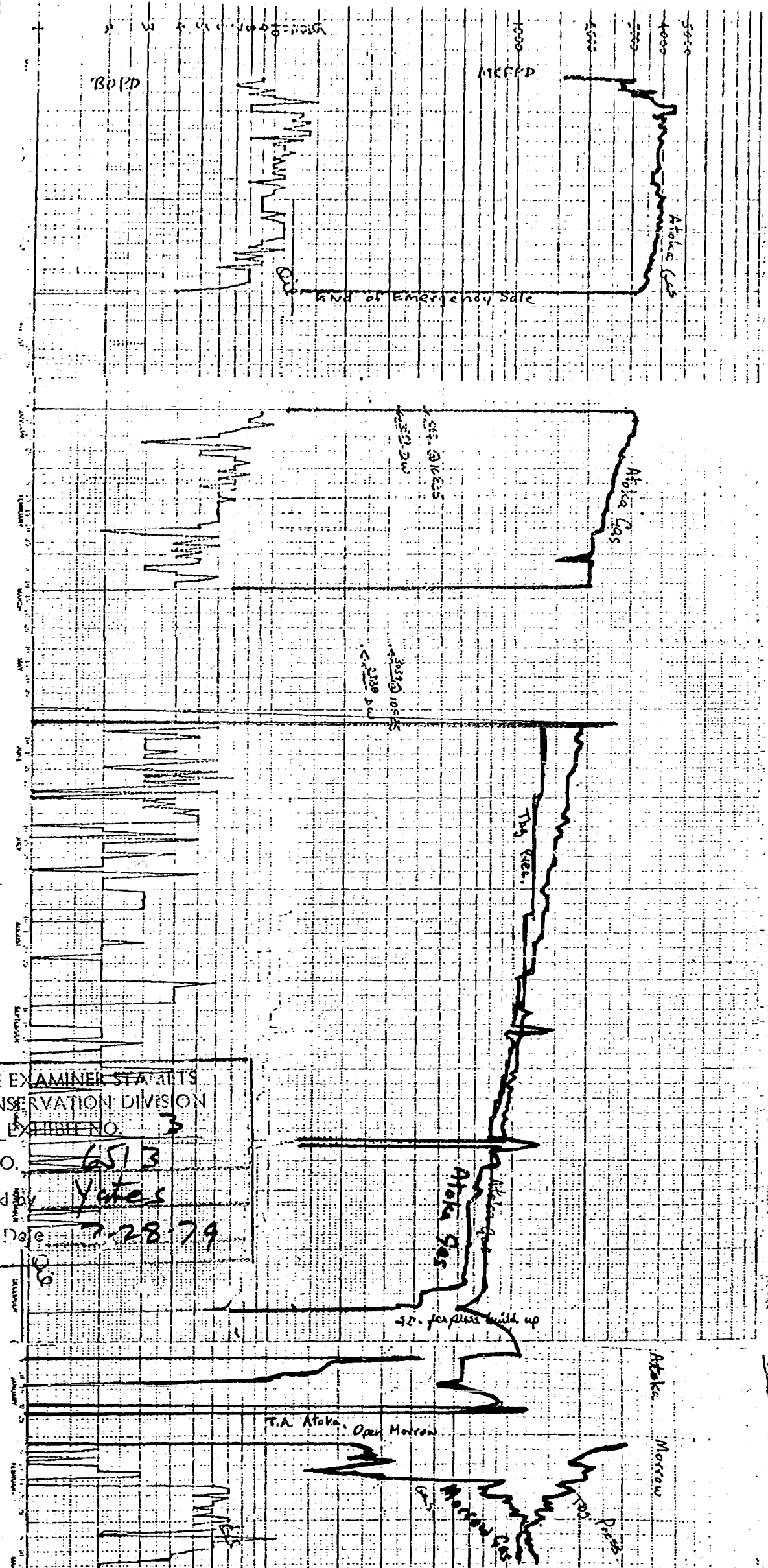
TD: 11906 KB

1978

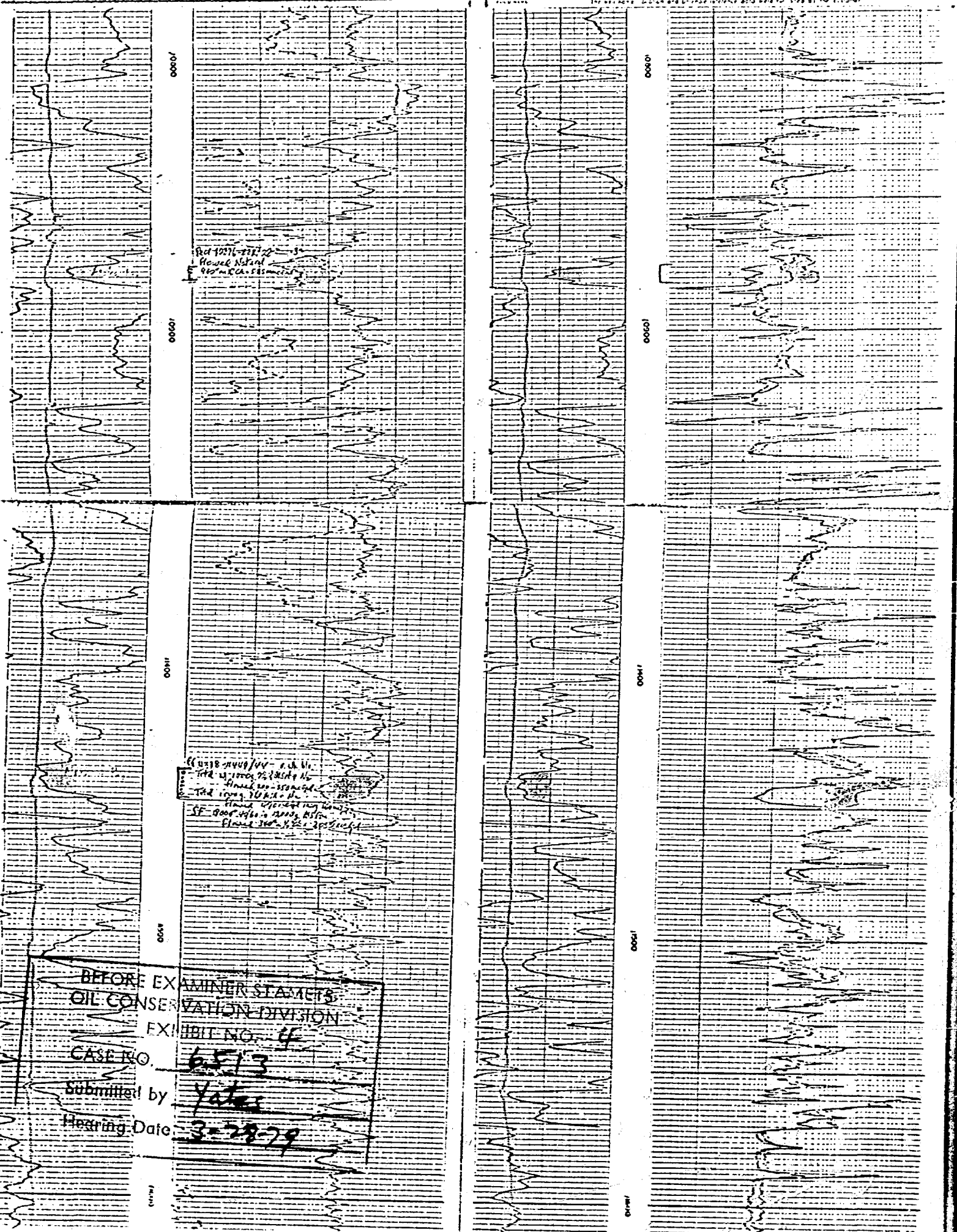
STEBBINS CO
Yates Pat. Corp.

1925

1989



COMPANY <u>State-Tele Corp</u>	
WILL <u>William G. Lamar, Nat</u>	
FIELD <u>Undesignated</u>	
COUNTY <u>St. Mary</u> STATE <u>N.M.</u>	
<u>1902</u> <u>1903</u> <u>1904</u> <u>1905</u> <u>1906</u> <u>1907</u> <u>1908</u> <u>1909</u> <u>1910</u> <u>1911</u> <u>1912</u> <u>1913</u> <u>1914</u> <u>1915</u> <u>1916</u> <u>1917</u> <u>1918</u> <u>1919</u> <u>1920</u> <u>1921</u> <u>1922</u> <u>1923</u> <u>1924</u> <u>1925</u> <u>1926</u> <u>1927</u> <u>1928</u> <u>1929</u> <u>1930</u> <u>1931</u> <u>1932</u> <u>1933</u> <u>1934</u> <u>1935</u> <u>1936</u> <u>1937</u> <u>1938</u> <u>1939</u> <u>1940</u> <u>1941</u> <u>1942</u> <u>1943</u> <u>1944</u> <u>1945</u> <u>1946</u> <u>1947</u> <u>1948</u> <u>1949</u> <u>1950</u> <u>1951</u> <u>1952</u> <u>1953</u> <u>1954</u> <u>1955</u> <u>1956</u> <u>1957</u> <u>1958</u> <u>1959</u> <u>1960</u> <u>1961</u> <u>1962</u> <u>1963</u> <u>1964</u> <u>1965</u> <u>1966</u> <u>1967</u> <u>1968</u> <u>1969</u> <u>1970</u> <u>1971</u> <u>1972</u> <u>1973</u> <u>1974</u> <u>1975</u> <u>1976</u> <u>1977</u> <u>1978</u> <u>1979</u> <u>1980</u> <u>1981</u> <u>1982</u> <u>1983</u> <u>1984</u> <u>1985</u> <u>1986</u> <u>1987</u> <u>1988</u> <u>1989</u> <u>1990</u> <u>1991</u> <u>1992</u> <u>1993</u> <u>1994</u> <u>1995</u> <u>1996</u> <u>1997</u> <u>1998</u> <u>1999</u> <u>2000</u> <u>2001</u> <u>2002</u> <u>2003</u> <u>2004</u> <u>2005</u> <u>2006</u> <u>2007</u> <u>2008</u> <u>2009</u> <u>2010</u> <u>2011</u> <u>2012</u> <u>2013</u> <u>2014</u> <u>2015</u> <u>2016</u> <u>2017</u> <u>2018</u> <u>2019</u> <u>2020</u> <u>2021</u> <u>2022</u> <u>2023</u> <u>2024</u> <u>2025</u> <u>2026</u> <u>2027</u> <u>2028</u> <u>2029</u> <u>2030</u> <u>2031</u> <u>2032</u> <u>2033</u> <u>2034</u> <u>2035</u> <u>2036</u> <u>2037</u> <u>2038</u> <u>2039</u> <u>2040</u> <u>2041</u> <u>2042</u> <u>2043</u> <u>2044</u> <u>2045</u> <u>2046</u> <u>2047</u> <u>2048</u> <u>2049</u> <u>2050</u> <u>2051</u> <u>2052</u> <u>2053</u> <u>2054</u> <u>2055</u> <u>2056</u> <u>2057</u> <u>2058</u> <u>2059</u> <u>2060</u> <u>2061</u> <u>2062</u> <u>2063</u> <u>2064</u> <u>2065</u> <u>2066</u> <u>2067</u> <u>2068</u> <u>2069</u> <u>2070</u> <u>2071</u> <u>2072</u> <u>2073</u> <u>2074</u> <u>2075</u> <u>2076</u> <u>2077</u> <u>2078</u> <u>2079</u> <u>2080</u> <u>2081</u> <u>2082</u> <u>2083</u> <u>2084</u> <u>2085</u> <u>2086</u> <u>2087</u> <u>2088</u> <u>2089</u> <u>2090</u> <u>2091</u> <u>2092</u> <u>2093</u> <u>2094</u> <u>2095</u> <u>2096</u> <u>2097</u> <u>2098</u> <u>2099</u> <u>2100</u> <u>2101</u> <u>2102</u> <u>2103</u> <u>2104</u> <u>2105</u> <u>2106</u> <u>2107</u> <u>2108</u> <u>2109</u> <u>2110</u> <u>2111</u> <u>2112</u> <u>2113</u> <u>2114</u> <u>2115</u> <u>2116</u> <u>2117</u> <u>2118</u> <u>2119</u> <u>2120</u> <u>2121</u> <u>2122</u> <u>2123</u> <u>2124</u> <u>2125</u> <u>2126</u> <u>2127</u> <u>2128</u> <u>2129</u> <u>2130</u> <u>2131</u> <u>2132</u> <u>2133</u> <u>2134</u> <u>2135</u> <u>2136</u> <u>2137</u> <u>2138</u> <u>2139</u> <u>2140</u> <u>2141</u> <u>2142</u> <u>2143</u> <u>2144</u> <u>2145</u> <u>2146</u> <u>2147</u> <u>2148</u> <u>2149</u> <u>2150</u> <u>2151</u> <u>2152</u> <u>2153</u> <u>2154</u> <u>2155</u> <u>2156</u> <u>2157</u> <u>2158</u> <u>2159</u> <u>2160</u> <u>2161</u> <u>2162</u> <u>2163</u> <u>2164</u> <u>2165</u> <u>2166</u> <u>2167</u> <u>2168</u> <u>2169</u> <u>2170</u> <u>2171</u> <u>2172</u> <u>2173</u> <u>2174</u> <u>2175</u> <u>2176</u> <u>2177</u> <u>2178</u> <u>2179</u> <u>2180</u> <u>2181</u> <u>2182</u> <u>2183</u> <u>2184</u> <u>2185</u> <u>2186</u> <u>2187</u> <u>2188</u> <u>2189</u> <u>2190</u> <u>2191</u> <u>2192</u> <u>2193</u> <u>2194</u> <u>2195</u> <u>2196</u> <u>2197</u> <u>2198</u> <u>2199</u> <u>2200</u> <u>2201</u> <u>2202</u> <u>2203</u> <u>2204</u> <u>2205</u> <u>2206</u> <u>2207</u> <u>2208</u> <u>2209</u> <u>2210</u> <u>2211</u> <u>2212</u> <u>2213</u> <u>2214</u> <u>2215</u> <u>2216</u> <u>2217</u> <u>2218</u> <u>2219</u> <u>2220</u> <u>2221</u> <u>2222</u> <u>2223</u> <u>2224</u> <u>2225</u> <u>2226</u> <u>2227</u> <u>2228</u> <u>2229</u> <u>2230</u> <u>2231</u> <u>2</u>	



[illegible]

Diagrammatic Sketch of Proposed Dual Completion and Downhole Commingling
YPC - Stebbins GQ Federal Com. No. 1, B-20-20s-29E, Eddy County, N. Mex.

Elevation: 3261' GR = 3279' KB
Spudded: 10-28-76
Completed: 1-24-77 (Morrow) (T.A.)
Completed: 2-7-77 (Atoka)
Recompleted: 1-25-79 (Morrow)

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Top of Delaware sd @ 3141 KB

Top of Wolfcamp @ 9190 KB

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East Burton Flats Atoka
IPF: 940" on 1/2" ck = 5850 mcfpd

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East Burton Flats Morrow
IPF: 340" on 1/2" ck = 2050 mcfpd

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. 2

CASE NO. 6513

Submitted by Yates

Hearing Date 3-28-79

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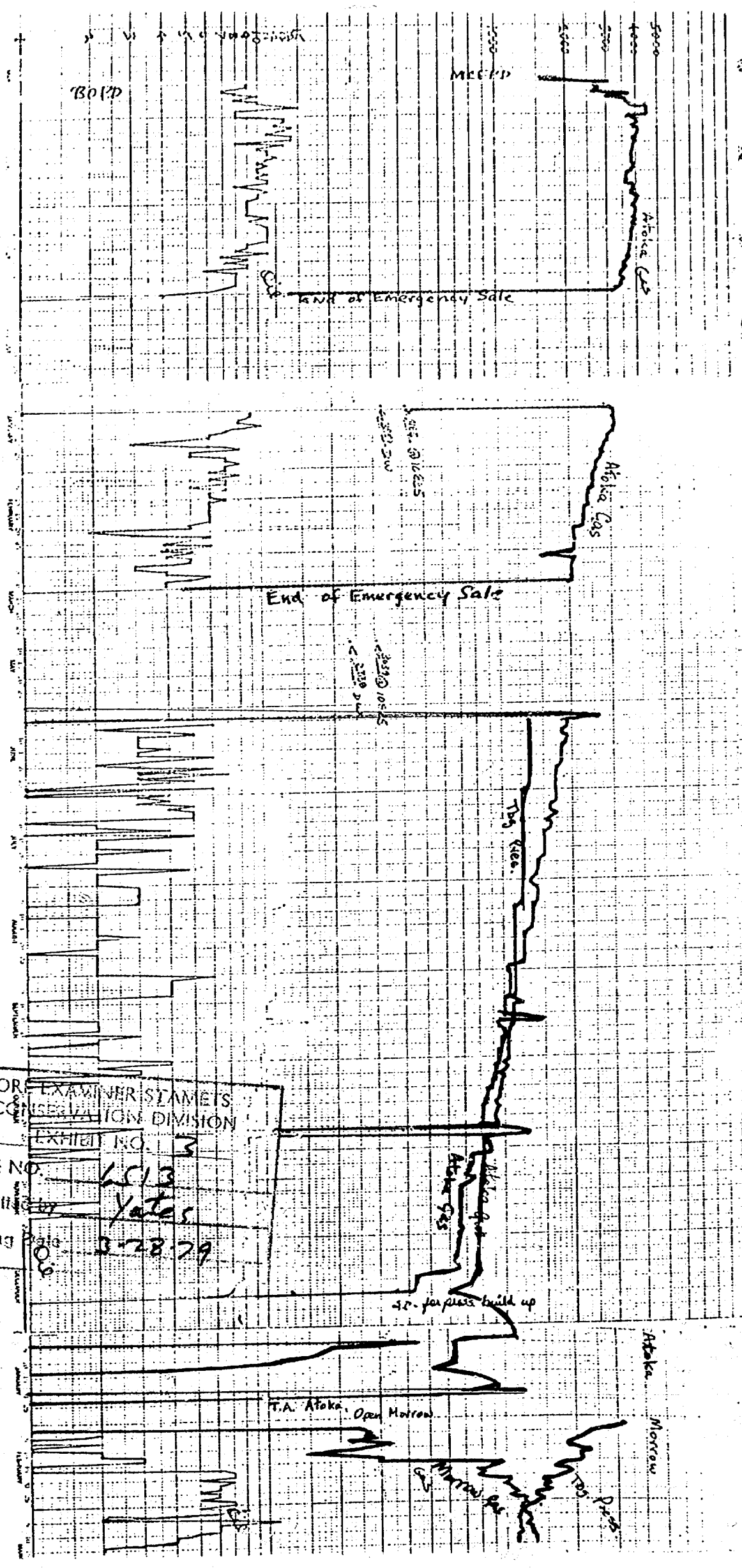
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Red-Gas
Green-Tkg. Press.

STERLING CO.
Yates Pet. Corp.

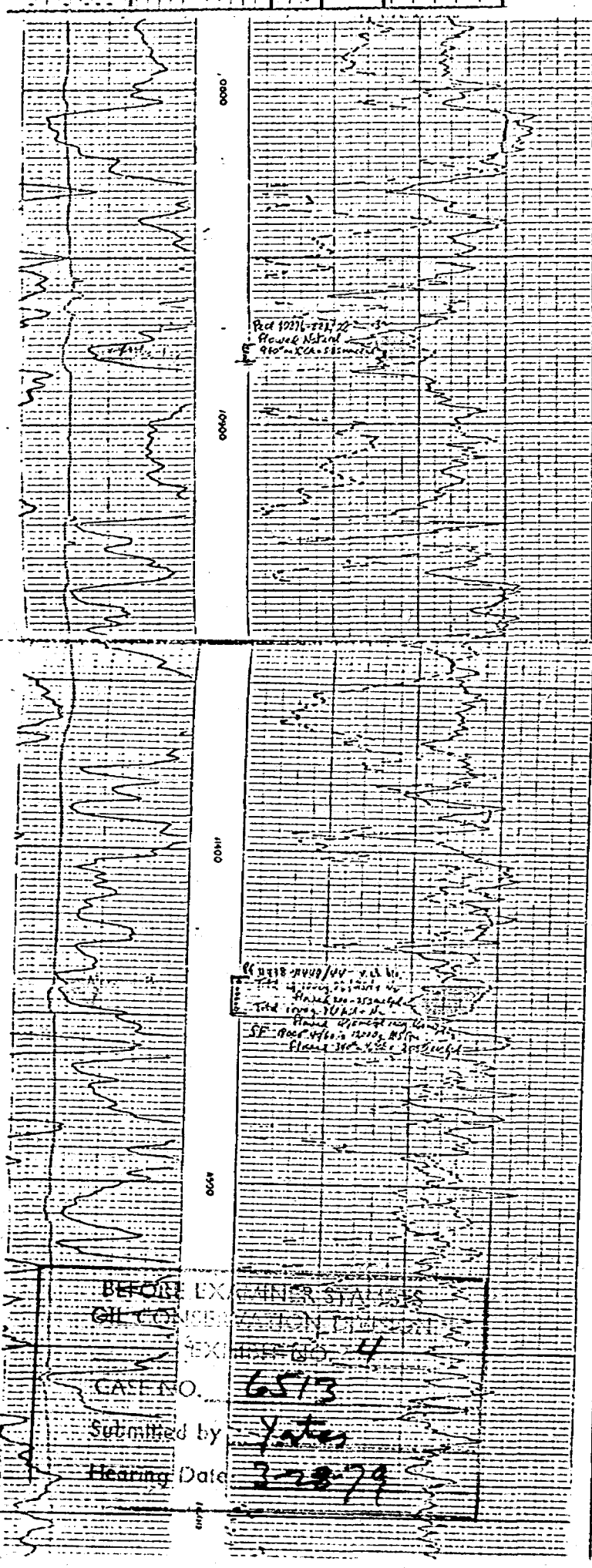
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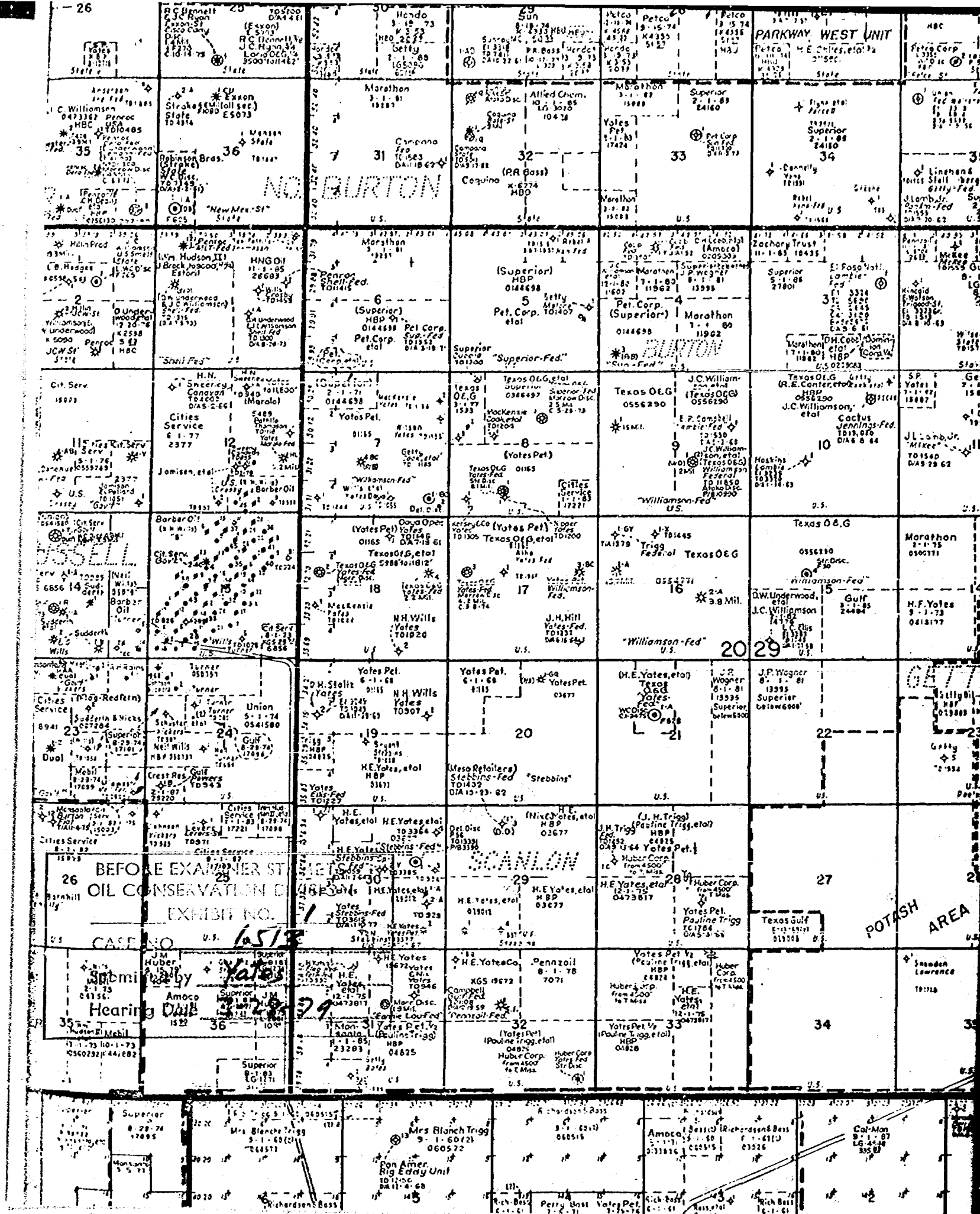
1979



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 3
CASE NO. 1513
Submitted by Yates
Hearing Date 3-28-79

COMPANY	Yates Petroleum
WELL	Siskiyew Co. Lower Mt.
FIELD	Undesignated
COUNTY	Siskiyou
STATE	OR.
DATE	2-24-1910
DRILLER	W. A. J. J. J.
DEPT.	Oil
NO.	3261





Diagrammatic Sketch of Proposed Dual Completion and Downhole Commingling
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BEFORE EXAMINER STAMPTS
 OIL CONSERVATION DIVISION

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Red-Gas
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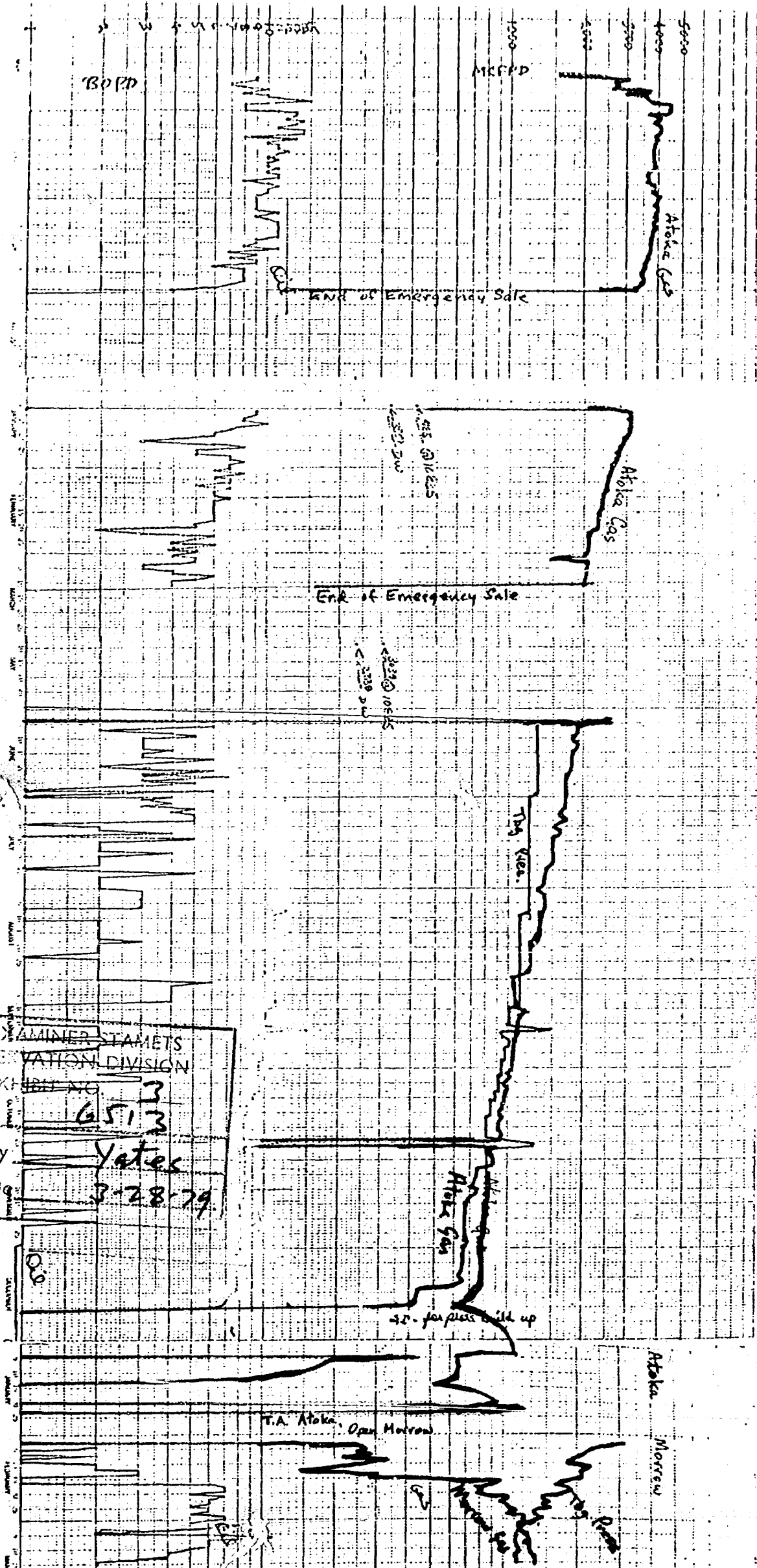
1978

Black-Oil
Red-Gas
Green-Tbg. Press.

STEBBINS CO
Yates Ref. Corp.

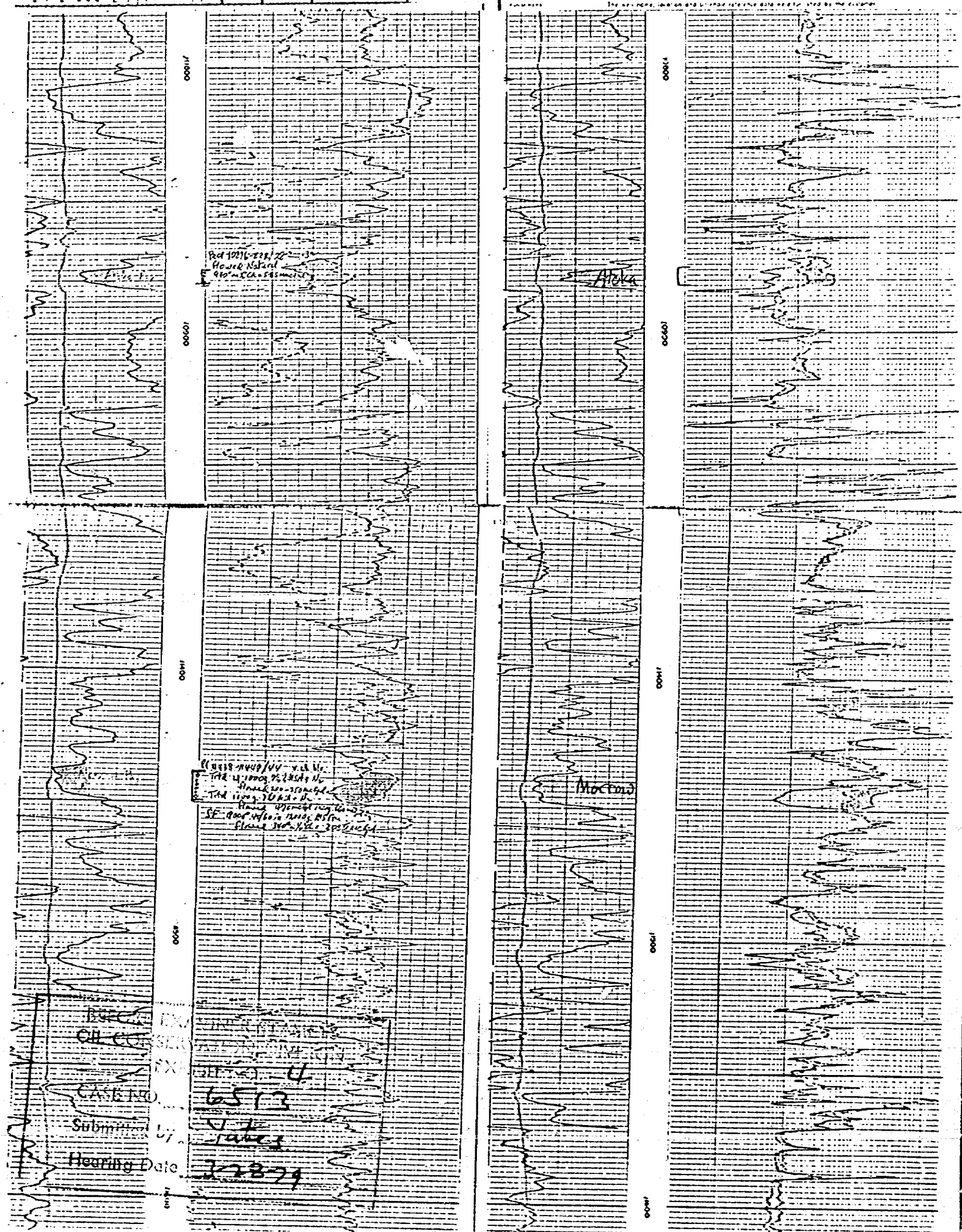
1979

1980



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 3
CASE NO. 6513
Submitted by Yates
Hearing Date 3-28-79

COMPANY <u>Hotel Zetiv Corp.</u>	
WELL <u>nitobins 60 Coon-Mel</u>	
FIELD <u>Lindesignated</u>	
COUNTY <u>SWAY</u>	STATE <u>N.M.</u>
UNITED STATES GEOLOGICAL SURVEY WATER RESOURCES DIVISION ALBUQUERQUE, NEW MEXICO	
PROJECT NO. <u>64</u> DATE <u>1/25</u> BY <u>ALB. Adams Park Station</u>	(Rev. 12-22-55) 51 51-26



BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF
YATES PETROLEUM CORPORATION FOR DOWN-
HOLE COMMINGLING, EDDY COUNTY,
NEW MEXICO

CASE NO. _____

APPLICATION

COMES NOW YATES PETROLEUM CORPORATION, by its attorneys,
and in support hereof, respectfully states:

1. That applicant is the operator of the Wolfcamp and Pennsylvanian systems at a location in Unit B, Section 20, Township 20 South, Range 29 East, N.M.P.M., Eddy County, New Mexico, upon which it has drilled its Stebbins "GQ" No. 1 Federal Well. This well is located within the boundaries of the East Burton Flats Atoka and the East Burton Flats Morrow Pools.

2. That applicant has completed said well in the East Burton Flats Atoka formation at a depth of 10,875 feet to 10,882 feet and proposes to commingle said formation with the East Burton Flats Morrow formation at a depth of 11,438 feet to 11,449 feet.

3. That the downhole commingling of said well is feasible in accordance with good conservation practices and will otherwise prevent waste and protect correlative rights.

WHEREFORE, applicant prays:

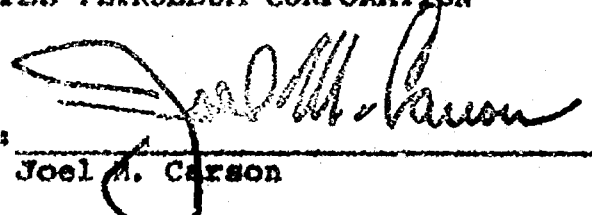
A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law.

BEFORE EXAMINER YATES OIL CONSERVATION DIVISION EDDY COUNTY, N.M.
CASE NO. <u>6513</u>
Submitted by _____
Hearing Date <u>3-28-29</u>

B. That upon hearing the Division enter its order granting permission to applicant to commingle downhole its Stebbins "CQ" No. 1 Federal Well for the production of gas from the Atoka and Morrow formations.

C. And for such other relief as may be just in the premises.

YATES PETROLEUM CORPORATION

By: 

Joel M. Carson

LOSEE, CARSON & DICKERSON, P.A.
P. O. Drawer 239
Artesia, New Mexico 88210

Attorneys for Applicant

Diagrammatic Sketch of Proposed Dual Completion and Downhole Commingling
YPC-Stebbins GQ Federal Com. No. 1, B-20-20s-29E, Eddy County, N. Mex.

Elevation: 3261' GR = 3279' KB
Spudded: 10-28-76
Completed: 1-24-77 (Morrow) (T.A.)
Completed: 2-7-77 (Atoka)
Recompleted: 1-25-79 (Morrow)

Top of Capitan ls @

Top of Datawate sd @ 3141 KB

Top of Wolfcamp @ 9170 KB

Top of Strawn ls @ 10359 KB

Top of Atoka @ 10610 KB

East Burton Flats Atoka
IPF: 940' on 1/2" ck = 5850 mcfpd

Top of Lower Morrow @ 11621 KB

East Burton Flats Morrow
IPF: 340' on 1/2" ck = 2050 mcfpd

BEFORE EXAMINER STAMPS
OIL CONSERVATION DIVISION
EXHIBIT NO. 2

CASE NO. 6513

Submitted by Yates

Hearing Date 3-28-79

17 1/2" hole to 605' KB
13 3/8" 48" Csg set @ 605' KB, cemented to surface w/ 600 sx.

12 1/4" hole to 3100' KB
8 5/8" 32" J-55 Csg set @ 3100', cemented to surface w/ 2000 sx.

Top of cement @ 8390' KB

Propose to downhole commingle Atoka and Morrow perforations by opening sliding sleeve @ 11351' KB, swab in Atoka and flow Morrow and Atoka in tubing.

Perf 10875-882/28 .32"
Natural Completion

2 3/8 4.7" N-80 Tbg w/ Baker Sliding Sleeve
Gutherson UNI-VI Pkwy w/ On-Off Tool and Standing Valve @ 11382' KB.

Perf 11438-444/44 .34"
Total 3000g. 7 1/2% MSA & N.
S. Frac 12000' 2 1/4" + 6000' 100 mesh SA
in 12000g. MS Fluid.

PBTD: 11872 KB

5 1/2" 17-20" N-80 Csg set @ 11895' KB
Cmt'd w/ 600 sx.

TD: 11906 KB

COMPANY Standard Oil Co.

WELL Standard Oil Co.

FIELD Standard Oil Co.

COUNTY Adair STATE OK

DATE 10/1/27

TIME 10:00

BY W. H. H. H.

REMARKS See log for details

COMPANY Standard Oil Co.

WELL Standard Oil Co.

FIELD Standard Oil Co.

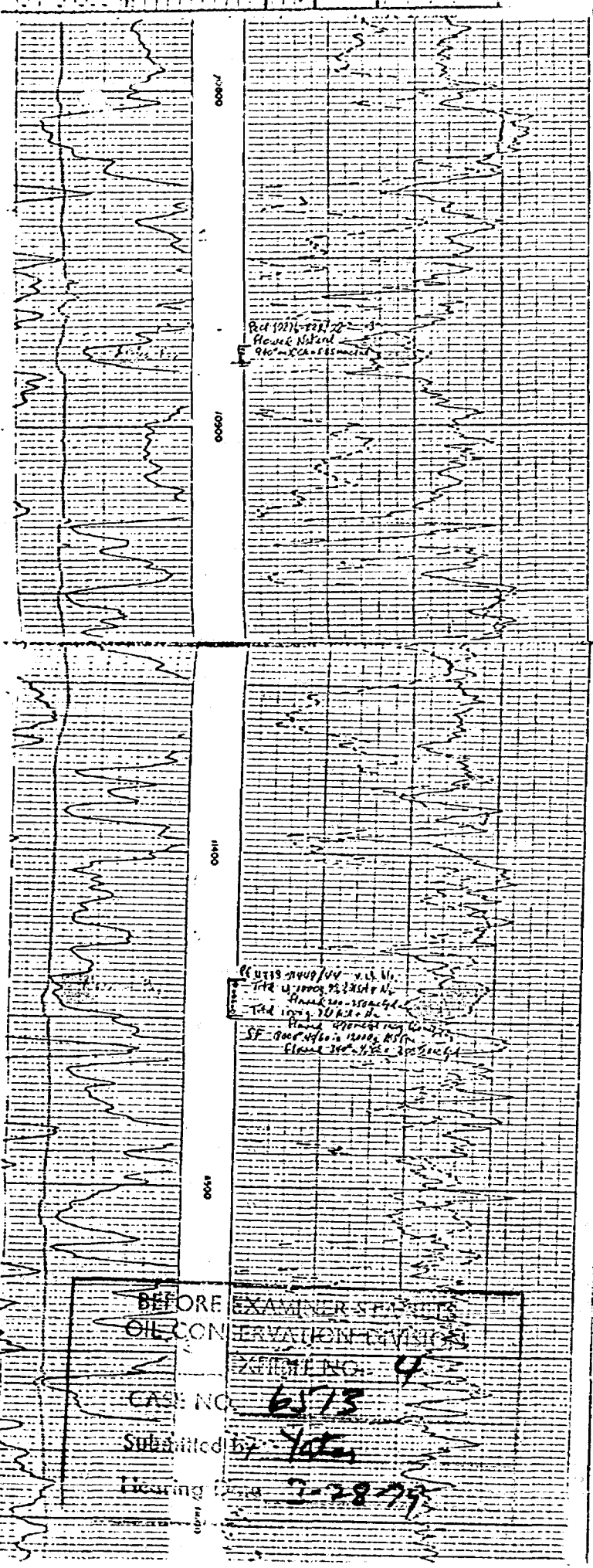
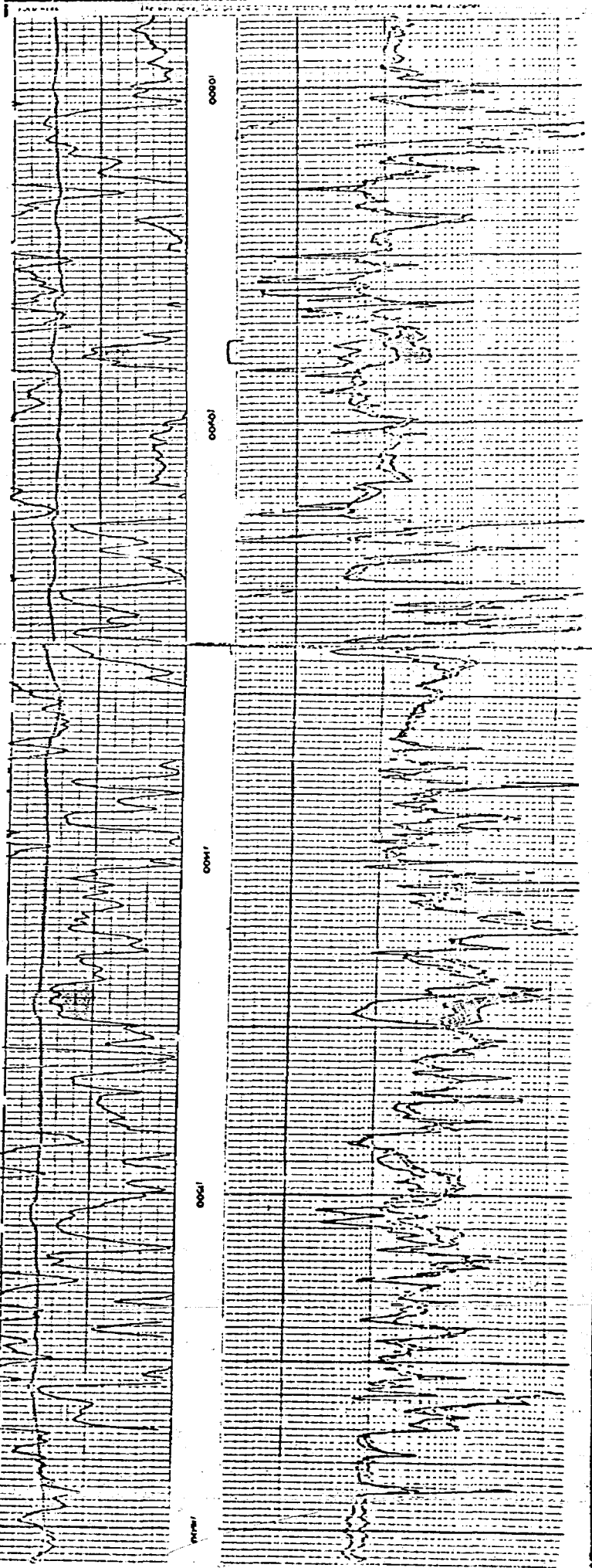
COUNTY Adair STATE OK

DATE 10/1/27

TIME 10:00

BY W. H. H. H.

REMARKS See log for details



BEFORE EXAMINER'S SIGNATURE

OIL CONSERVATION DIVISION

EXTENDING NO. 9

CASE NO. 6573

Submitted by W. H. H. H.

Dating 10-28-27

A. J. LOSEE
JOEL M. CARSON
CHAD DICKERSON

LAW OFFICES
LOSEE & CARSON, P.A.
300 AMERICAN HOME BUILDING
P. O. DRAWER 239
ARTESIA, NEW MEXICO 88210

AREA CODE 505
746-3508

7 March 1979

Mr. Joe D. Ramey, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

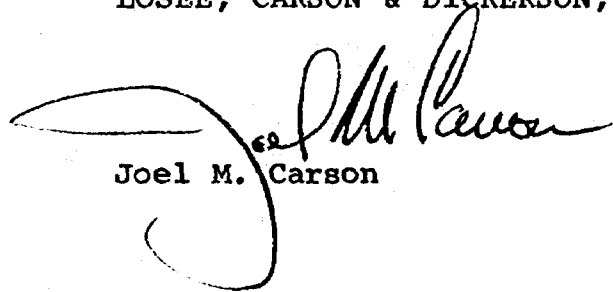
Dear Mr. Ramey:

Enclosed for filing, please find three copies each of two Applications of Yates Petroleum Corporation for downhole commingling in Eddy County, New Mexico.

We ask that these cases be set for hearing before an examiner on March 28, 1979 and that you furnish us with a docket of said hearings.

Yours truly,

LOSEE, CARSON & DICKERSON, P.A.



Joel M. Carson

JMC:bjm
Enclosures

cc w/enclosure: Yates Petroleum Corporation

BEFORE THE OIL CONSERVATION DIVISION

OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :
YATES PETROLEUM CORPORATION FOR DOWN- :
HOLE COMMINGLING, EDDY COUNTY, :
NEW MEXICO :

CASE NO. 6513

APPLICATION

COMES NOW YATES PETROLEUM CORPORATION, by its attorneys,
and in support hereof, respectfully states:

1. That applicant is the operator of the Wolfcamp and Pennsylvanian systems at a location in Unit B, Section 20, Township 20 South, Range 29 East, N.M.P.M., Eddy County, New Mexico, upon which it has drilled its Stebbins "GQ" No. 1 Federal Well. This well is located within the boundaries of the East Burton Flats Atoka and the East Burton Flats Morrow Pools.

2. That applicant has completed said well in the East Burton Flats Atoka formation at a depth of 10,875 feet to 10,882 feet and proposes to commingle said formation with the East Burton Flats Morrow formation at a depth of 11,438 feet to 11,449 feet.

3. That the downhole commingling of said well is feasible in accordance with good conservation practices and will otherwise prevent waste and protect correlative rights.

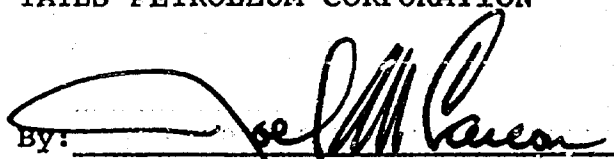
WHEREFORE, applicant prays:

A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing the Division enter its order granting permission to applicant to commingle downhole its Stebbins "GQ" No. 1 Federal Well for the production of gas from the Atoka and Morrow formations.

C. And for such other relief as may be just in the premises.

YATES PETROLEUM CORPORATION

By: 
Joel M. Carson

LOSKE, CARSON & DICKERSON, P.A.
P. O. ~~Drawer~~ 239
Artesia, New Mexico 88210

Attorneys for Applicant

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Top of cement @ 8390' KB

Top of Wolfcamp @ 9190 KB

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 IPF: 940' on 1/2" ck = 5850 mcfpd

Perf 10875-882/28 32"
 Natural Completion

Top of Lower Morrow @ 11621 KB

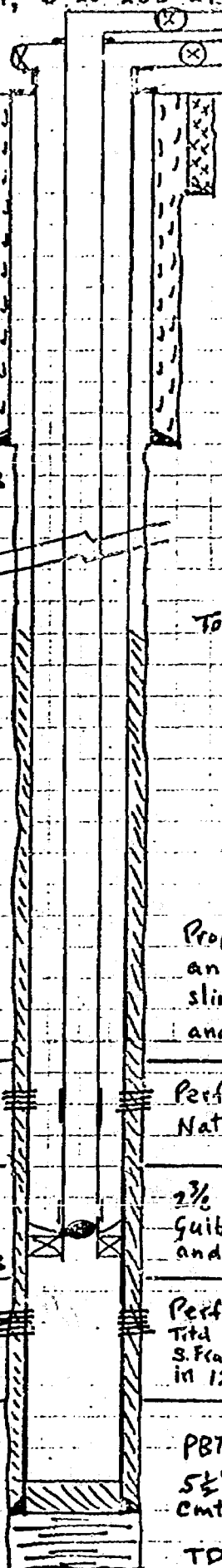
East Burton Flats Morrow
 IPF: 340' on 1/2" ck = 2050 mcfpd

2 3/8" 4.7" N-80 Tbg w/ Baker Sliding Sleeve
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Perf 11438-449/44 34"
 Total 3000g. 7 1/2" MSA & N.
 S. Face 12000' 20/40 + 6000' 100 mesh SA
 in 12000g. MS Fluid.

PBTD: 11872 KB
 5 1/2" 17-20" N-80 Csg set @ 11895' KB
 Cemented w/ 600 sx.

TD: 11906 KB



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YATES PETROLEUM CORPORATION

BY 
Joel M. Carson

JOSEE, CARSON & DICKERSON, P.A.
P. O. Drawer 239
Artesia, New Mexico 88210

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Top of Volcanic SA @ 3141 KB

Top of Wolfcamp @ 9190 KB

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2 $\frac{3}{8}$ " 4.7" N-80 Tbg w/ Baker Sliding Sleeve
Guiberson UNI-VI Pkr w/ On-Off Tool and Standing Valve @ 11382' KB.

Perf 11438-449/44 .34"
Ttd 3000g, 7 $\frac{1}{2}$ " MSA & N.
S. Fac 12000' w/ 40 + 6000' 100 mesh SA
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BEFORE THE OIL CONSERVATION DIVISION

OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF
YATES PETROLEUM CORPORATION FOR DOWN-
HOLE COMMINGLING, EDDY COUNTY,
NEW MEXICO

CASE NO. 6513

APPLICATION

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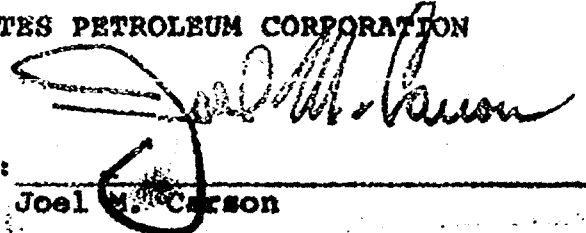
WHEREFORE, applicant prays:

A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing the Division enter its order granting permission to applicant to commingle downhole its Stebbins "GQ" No. 1 Federal Well for the production of gas from the Atoka and Morrow formations.

C. And for such other relief as may be just in the premises.

YATES PETROLEUM CORPORATION

By: 

Joel M. Carson

JOSEE, CARSON & DICKERSON, P.A.
P. O. Drawer 239
Artesia, New Mexico 88210

Attorneys for Applicant

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Cmtd w/ 600 sx.
TD: 11906 KB

dr

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6513

Order No. R-5924

APPLICATION OF YATES PETROLEUM CORPORATION

FOR DOWNHOLE COMMINGLING, EDDY
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on March 28
19 79, at Santa Fe, New Mexico, before Examiner Richard L.
Stamets.

NOW, on this day of 1979, the
Division Director, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully
advised in the premises,

FINDS:

(1) That due public notice having been given as required
by law, the Division has jurisdiction of this cause and the
subject matter thereof.

(2) That the applicant, Yates Petroleum Corporation, is
the owner and operator of the Stebbins GQ Fed. Well No. 1,
located in Unit B of Section 20, Township 20 ~~East~~ South,
Range 29 East, NMPM, Eddy County, New Mexico.

(3) That the applicant seeks authority to commingle
Atoka and Morrow production
within the wellbore of the above-described well.

(4) That from the Atoka zone, the subject well is capable of low marginal production only.

(5) That from the Morrow zone, the subject well is ^{rapidly declining} ~~capable of low marginal production only.~~
Production from the

(6) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(7) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(8) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Artesia district office of the Division any time the subject well is shut-in for 7 consecutive days.

(9) That in order to allocate the commingled production to each of the commingled zones in the subject well, _____ percent of the commingled _____ production should be allocated to the Atoka zone, and _____ percent of the commingled _____ production to the Morrow zone.

(ALTERNATE)

(9) That in order to allocate the commingled production to each of the commingled zones in the wells, applicant should consult with the supervisor of the Artesia district office of the Division and determine an allocation formula for each of the production zones.

IT IS THEREFORE ORDERED:

(1) That the applicant, Yates Petroleum Corporation, is hereby authorized to commingle Atoka and Morrow production within the wellbore of the Stebbins GQ Fed Well No. 1, located in Unit B of Section 20, Township 20 South, Range 29 East, East Burton Flats Field, NMPM, / Eddy County, New Mexico.

(2) That the applicant shall consult with the Supervisor of the Artesia district office of the Division and determine an allocation formula for the allocation of production to each zone in each of the subject wells.

(ALTERNATE)

(2) That _____ percent of the commingled production shall be allocated to the Atoka zone and _____ percent of the commingled production shall be allocated to the Morrow zone.

(3) That the operator of the subject well shall immediately notify the Division's Artesia district office any time the well has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

Dan Nutter

Yac Petroleum Corp
downhole communicating

Stebbins GQ Fed # 1

Unit B, 20-205-29E S.D.

E Burton Flair Atoka
E Burton Flair member

checked in by Jack Carson
4:10 pm 3/6/79