

CASE 5847: YATES PETROLEUM CORPORATION
FOR A DUAL COMPLETION, EDDY COUNTY, NEW
MEXICO

Continued to
February 16th

CASE NO.

5847

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,

ETC.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
February 16, 1977

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corpora-) CASE
tion for a dual completion, Eddy County,) 5847
New Mexico.)

BEFORE: Richard L. Stamets, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil Lynn Teschendorf, Esq.
Conservation Commission: Legal Counsel for the Commission
State Land Office Building
Santa Fe, New Mexico

For the Applicant: Joel M. Carson, Esq.
LOSEE & CARSON P.A.
Attorneys at Law
300 American Home Building
Artesia, New Mexico

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General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

I N D E X

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Page

JOHN MORGAN

Direct Examination by Mr. Carson	3
Cross Examination by Mr. Stamets	5

EXHIBIT INDEX

Offered Admitted

Applicant's Exhibit One, Map	4	5
Applicant's Exhibit Two, Log	4	5
Applicant's Exhibit Three, Sketch	4	5

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1 MR. STAMETS: We will call next Case 5847.

2 MS. TESCHENDORF: Case 5847, application of Yates
3 Petroleum Corporation for a dual completion, Eddy County,
4 New Mexico.

5 MR. CARSON: Mr. Examiner, my name is Joel Carson,
6 Losee & Carson P.A., Artesia, New Mexico, appearing on behalf
7 of the applicant and I have one witness, Mr. John Morgan who
8 was previously sworn in the preceding case and whose qualifica-
9 tions at that time were acceptable.

10 MR. STAMETS: Let the record show that the witness
11 has been sworn and qualified.

12
13 JOHN MORGAN

14 called as a witness, having been previously sworn, was examined
15 and testified as follows:

16
17 DIRECT EXAMINATION

18 BY MR. CARSON:

19 Q Mr. Morgan, would you state briefly the purpose of
20 this application?

21 A Yes, sir, in Case 5847 Yates Petroleum Corporation
22 seeks approval for a dual completion of its Gossett "EU"
23 Well No. 1 and this well is located in Unit K, Section 26,
24 Township 17 South, Range 25 East, Eddy County, New Mexico.

25 Q Mr. Morgan, I refer you to your Applicant's Exhibit

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1 Number One and ask if that was prepared by you or under your
 2 supervision?

3 A. It was prepared by me.

4 Q. What does that exhibit show?

5 A. Exhibit Number One is a section of a map that shows
 6 the subject well encircled in red and it also shows the offset
 7 operator of this particular well, it is the Western Oil
 8 Producing Company.

9 Q. I refer you to Applicant's Exhibit Number Two and
 10 ask if that was prepared by you or under your supervision?

11 A. It was prepared by me.

12 Q. What does that exhibit show?

13 A. Exhibit Number Two is a log of the subject well. It
 14 shows the top of the Penn or Wolfcamp zone. The perforated
 15 interval is marked in red. It also shows the top of the
 16 Lower Penn or Strawn zone. The top is marked and the perfora-
 17 ted interval is marked in red.

18 Q. I refer you to Applicant's Exhibit Number Three and
 19 ask if that was prepared by you or under your supervision?

20 A. It was prepared by me.

21 Q. Would you explain in some detail what that exhibit
 22 purports to show?

23 A. Yes, sir, Exhibit Number Three is a sketch of the
 24 present completion of the subject well. It shows the Permo-
 25 Penn or Wolfcamp zone to be perforated from sixty-six, twenty-

1 four to sixty-six, forty-four. It shows the Stawn gas zone to
2 be perforated from seventy-seven, ninety-two to seventy-
3 eight, nineteen.

4 It also shows the wellbore equipment, being a
5 compression packer that has the zones segregated, it shows the
6 tubing and the sliding sleeve and the on-and-off tool that is
7 used to complete the well.

8 Q Mr. Morgan, do you believe that the granting of
9 this application would prevent waste and protect correlative
10 rights?

11 A Yes, sir, I do.

12 Q And that the mechanics of the proposed dual completion
13 is feasible and in accordance with good conservation practices?

14 A Yes, I do.

15 MR. CARSON: I would like to move the introduction
16 of these exhibits, Mr. Examiner.

17 MR. STAMETS: These exhibits will be admitted
18 into evidence.

19 (THEREUPON, Applicant's Exhibits One through
20 Three were admitted into evidence.)

21 MR. CARSON: I have no further questions.

22

23

CROSS EXAMINATION

24 BY MR. STAMETS:

25 Q Mr. Morgan, first off, are the two zones that we're

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1 talking about here ones which the Commission identifies as
2 Lower Wolfcamp and Strawn?

3 A. Yes, sir, they are.

4 Q. Okay. Now, the Lower Wolfcamp, does that produce
5 any liquids?

6 A. The Wolfcamp zone is now, along the fourteenth of
7 February, produced one barrel of condensate, zero barrels of
8 water and three hundred and ten MCF of gas. The flowing tubing
9 pressure was seven hundred and seventy-five pounds and it was
10 produced on an eleven, sixty-four inch choke.

11 Q. What's the current potential on the Strawn, do you
12 have a figure for that?

13 A. Yes, sir, the Strawn on the open flow potential was
14 zero barrels of condensate, zero barrels of water and four
15 hundred and fifty MCF of gas.

16 Q. Do you have a pressure on that?

17 A. Yes, sir, the tubing pressure was sixty-three psi.

18 Q. Sixty-three. It doesn't look like a real barn
19 burner in either zone there, does it?

20 A. No, sir, it is not.

21 Q. I would say that what you have here is a completion
22 that is sort of a salvage operation?

23 A. Yes, sir, it's not one of our better wells.

24 MR. STAMETS: Any other questions of the witness?

25 He may be excused.

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(THEREUPON, the witness was excused.)


MR. STAMETS: Is there anything further in the case? We will take the case under advisement and the hearing is adjourned.

(THEREUPON, the hearing was adjourned.)

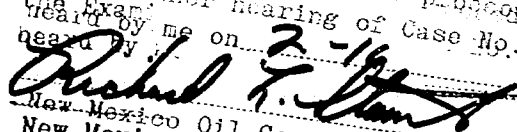
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REPORTER'S CERTIFICATE

I, SIDNEY F. MORRISH, a Certified Shorthand Reporter,
do hereby certify that the foregoing and attached Transcript
of Hearing before the New Mexico Oil Conservation Commission
was reported by me, and the same is a true and correct record
of the said proceedings to the best of my knowledge, skill and
ability.


Sidney F. Morrish, C.S.R.

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I do hereby certify that the foregoing is
a complete and correct record of the proceedings in
the Examiner hearing of Case No. 5847
heard by me on 3-19-77

New Mexico Oil Conservation Commission, Examiner
New Mexico Oil Conservation Commission

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
February 2, 1977

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corpora-
tion for dual completions, Eddy County,
New Mexico.

CASES
5810
5847

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil
Conservation Commission:

Lynn Teschendorf, Esq.
Legal Counsel for the Commission
State Land Office Building
Santa Fe, New Mexico

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Phone (505) 982-9212

1 MR. NUTTER: We will call next Cases Number 5810
2 and 5847, both of which have the same style.

3 MS. TESCHENDORF: Case 5810 and Case 5847 involve the
4 application of Yates Petroleum Corporation for dual completions
5 in Eddy County, New Mexico.

6 They have requested that those two also be continued
7 to the February 16th hearing.

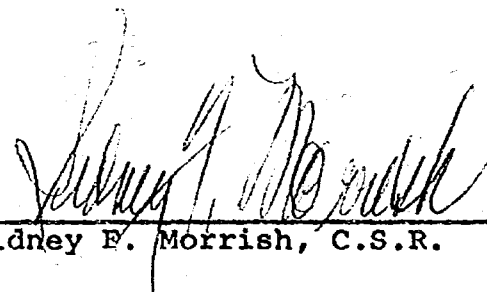
8 MR. NUTTER: Cases Number 5810 and 5847 will be
9 continued to the Examiner Hearing scheduled to be held at this
10 same place, nine o'clock A.M., February 16th, 1977.

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REPORTER'S CERTIFICATE


I, SIDNEY F. MORRISH, a Certified Shorthand Reporter,
do hereby certify that the foregoing and attached Transcript
of Hearing before the New Mexico Oil Conservation Commission
was reported by me, and the same is a true and correct record
of the said proceedings to the best of my knowledge, skill and
ability.


Sidney F. Morrish, C.S.R.

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I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 58085847
heard by me on 2/2, 1977.

 Examiner
New Mexico Oil Conservation Commission

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 5347
Order No. R-5376

APPLICATION OF YATES PETROLEUM
CORPORATION FOR A DUAL COMPLETION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on February 16, 1977, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 22nd day of February, 1977, the Commission, a quorum being present, 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 Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Yates Petroleum Corporation, seeks authority to complete its Gossett "EU" Well No. 1, located in Unit K of Section 26, Township 17 South, Range 25 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Lower Wolfcamp and Strawn formations.

(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Yates Petroleum Corporation, is hereby authorized to complete its Gossett "EU" Well No. 1, located in Unit K of Section 26, Township 17 South, Range 25 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from an undesignated Lower Wolfcamp gas pool through the casing-tubing annulus, and gas from an undesignated Strawn gas pool through 2 3/8-inch tubing with separation of the zones to be accomplished by means of a packer

-2-

Case No. 5847
Order No. R-5376

to be set at approximately 7762 feet.

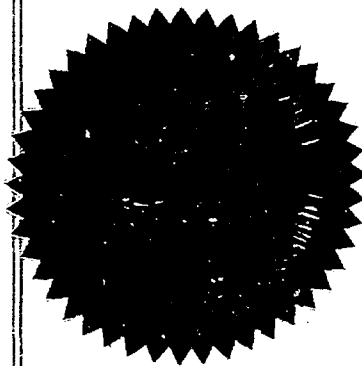
PROVIDED HOWEVER, that the applicant shall complete, operate and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Shut-In Pressure Test Period for gas wells in Southeast New Mexico.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



PHIL R. LUCERO, Chairman


EMERY C. ARNOLD, Member


JOE D. RAMEY, Member & Secretary

S E A L

jr/

ARTESIA

FAO
C/1971

17/25

[illegible]

EDUCATION AND THE FUTURE OF INDIA

PEOPLE EXAMINER STAMETS
ON CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 5842
Submitted by J.M. MORGAN - YATES Petroleum
Hearing Date 2/16/17

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

CORRECTION GRAMS-CC

0 +.25

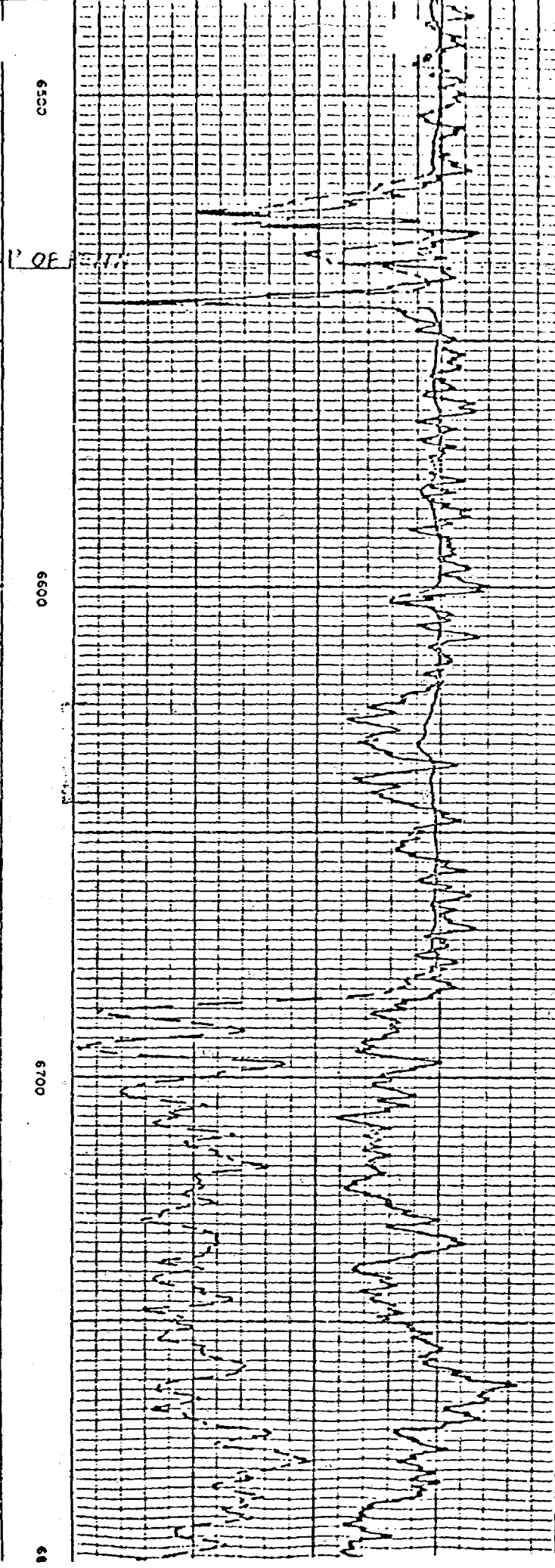
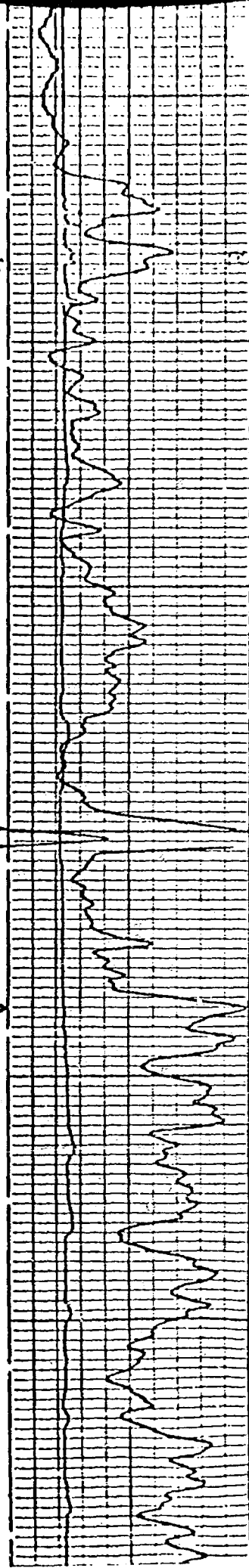
BULK DENSITY GRAMS, CC

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1.0	1.5	2.0

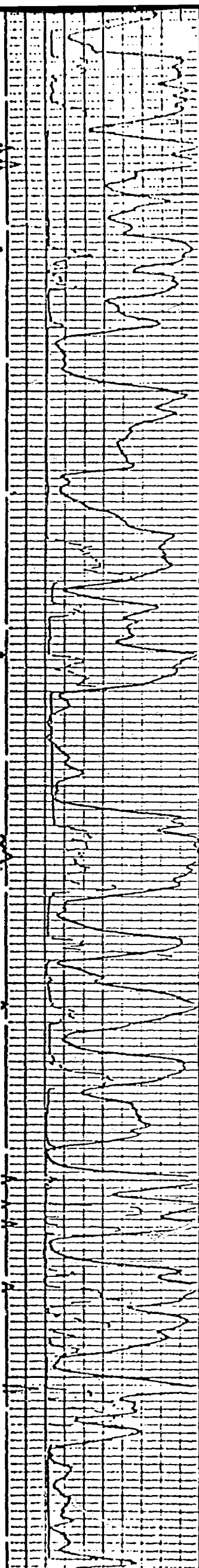
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Gossett EU No. 1
BULK DENSITY/GAMMA RAY



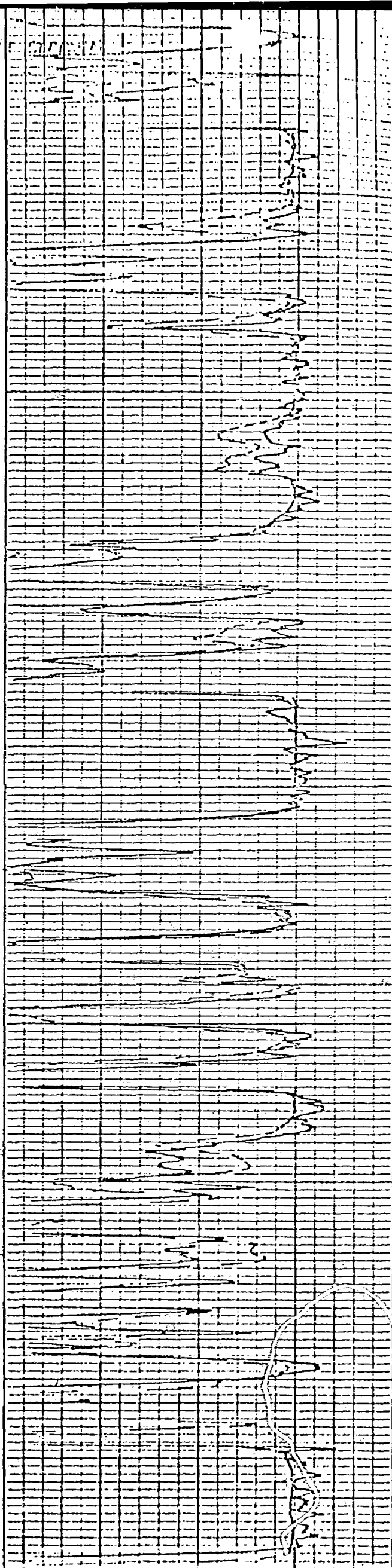
GOSSETT EU NO.1
BULK DENSITY/GAMMA RAY



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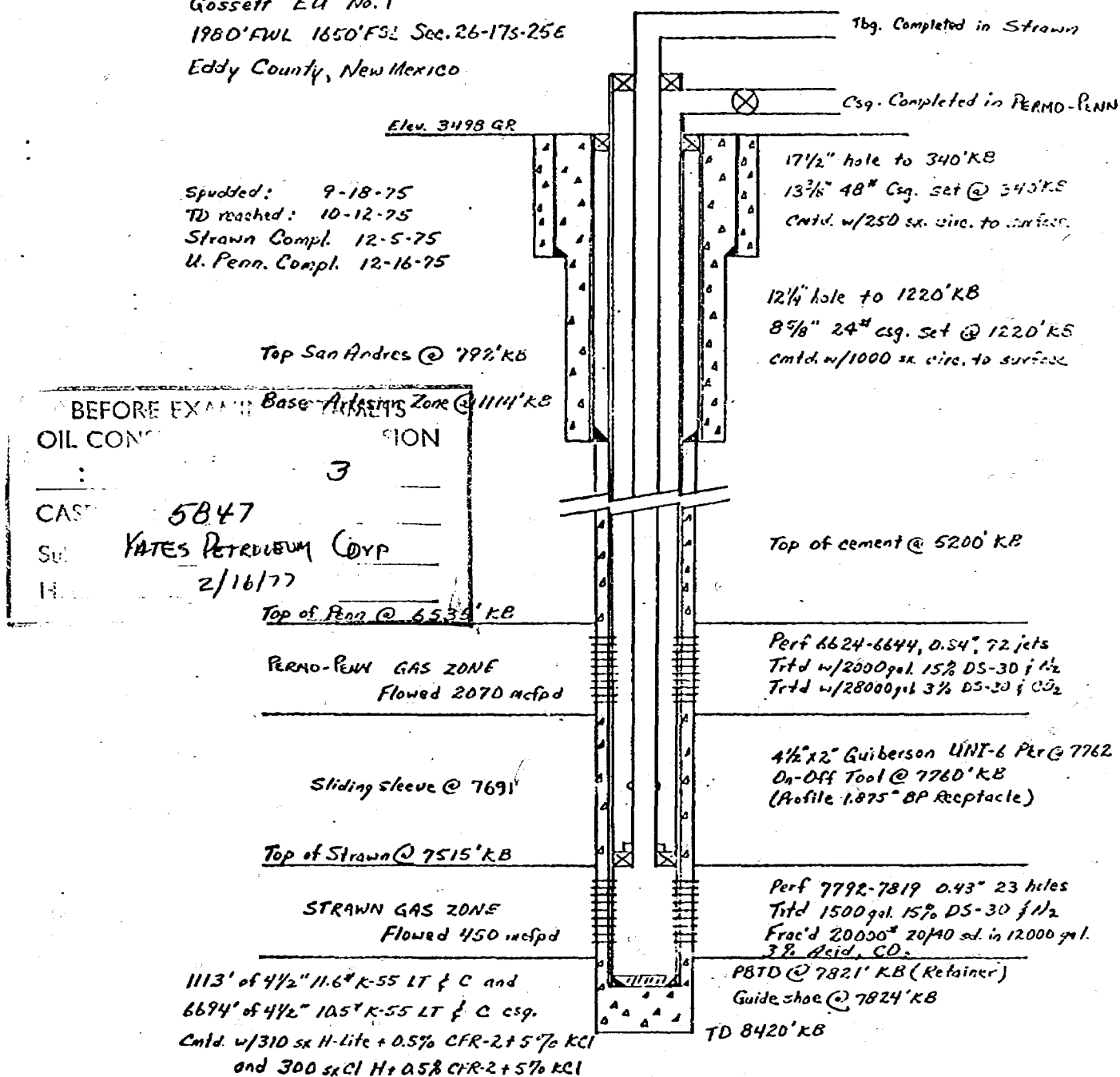
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7800



DIAGRAMMATIC SKETCH OF COMPLETION

YATES PETROLEUM CORP.
Gossett 'EU' No. 1
1980'FWL 1650'FSL Sec. 26-17S-25E
Eddy County, New Mexico



CASE 5869: Application of Harvey E. Yates Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Big Boggy Well No. 1 to be drilled 990 feet from the South line and 2080 feet from the East line of Section 36, Township 17 South, Range 26 East, Atoka Pennsylvanian Gas Pool, Eddy County, New Mexico, the S/2 of said Section 36 to be dedicated to the well.

CASE 5870: Application of Harvey E. Yates Company for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its South Maljamar Deep Unit Well No. 2 to be drilled 990 feet from the South line and 1980 feet from the West line of Section 30, Township 17 South, Range 32 East, Lea County, New Mexico, the S/2 of said Section 30 to be dedicated to the well.

CASE 5871: 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 Friendly Frenchman Well No. 1 to be drilled 1005 feet from the South line and 660 feet from the East line of Section 32, Township 16 South, Range 26 East, Eddy County, New Mexico, the S/2 of said Section 32 to be dedicated to the well.

CASE 5810: (Continued from the February 2, 1977, Examiner Hearing)

Application of Yates Petroleum Corporation for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Stonewall "EP" Com Well No. 1, located in Unit F of Section 30, Township 20 South, Range 28 East, Eddy County, New Mexico, to produce gas from the North Burton Flat-Wolfcamp Gas Pool and an undesignated Morrow gas pool.

CASE 5847: (Continued from the February 2, 1977, Examiner Hearing)

Application of Yates Petroleum Corporation for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Gossett "EU" Well No. 1, located in Unit K of Section 26, Township 17 South, Range 25 East, Eddy County, New Mexico, in such a manner as to produce gas from the Lower Wolfcamp or Upper Pennsylvanian and the Lower Pennsylvanian formations through the casing-tubing annulus and tubing, respectively.

CASE 5848: (Continued from the February 2, 1977, Examiner Hearing)

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 Pipkin HE Well No. 1 to be drilled 660 feet from the South and West lines of Section 4, Township 18 South, Range 25 East, Eddy County, New Mexico, the S/2 of said Section 4 to be dedicated to the well.

CASE 5845: Application of Texaco Inc. for an unorthodox location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Navajo Tribe "BS" Well No. 5 to be drilled 1340 feet from the South line and 1300 feet from the West line of Section 23, Township 26 North, Range 18 West, Tootie Dome Penn "D" Pool, San Juan County, New Mexico.

CASE 5846: Application of Harvey E. Yates Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its South Empire Deep Unit Well No. 13 to be drilled 660 feet from the South line and 1597 feet from the West line of Section 30, Township 17 South, Range 29 East, South Empire Field, Eddy County, New Mexico, the S/2 of said Section 30 to be dedicated to the well.

CASE 5810: (Continued from the January 19, 1977, Examiner Hearing)

Application of Yates Petroleum Corporation for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Stonewall "EP" Com Well No. 1, located in Unit F of Section 30, Township 20 South, Range 28 East, Eddy County, New Mexico, to produce gas from the North Burton Flat-Wolfcamp Gas Pool and an undesignated Morrow gas pool.

CASE 5847: Application of Yates Petroleum Corporation for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Gossett "EU" Well No. 1, located in Unit K of Section 26, Township 17 South, Range 25 East, Eddy County, New Mexico, in such a manner as to produce gas from the Lower Wolfcamp or Upper Pennsylvanian and the Lower Pennsylvanian formations through the casing-tubing annulus and tubing, respectively.

CASE 5848: 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 Pipkin HE Well No. 1 to be drilled 660 feet from the South and West lines of Section 4, Township 18 South, Range 25 East, Eddy County, New Mexico, the S/2 of said Section 4 to be dedicated to the well.

CASE 5849: Application of King Resources Company for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Long Canyon Unit Area comprising 18,880 acres, more or less, of State and Federal lands in Townships 19 and 20 South, Ranges 19 and 20 East, Chaves County, New Mexico.

CASE 5850: Application of Pennzoil Company for adoption of pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the adoption of pool rules for the North Mescalero-Cisco Pool, Lea County, New Mexico, including provision for a special gas-oil ratio limit of 4,500 to one.

CASE 5117: (Reopened)

In the matter of Case 5117 being reopened pursuant to the provisions of Order No. R-4691-A, which order extended the temporary special pool rules for the North Dagger Draw-Upper Pennsylvanian Pool, Eddy County, New Mexico. All interested parties may appear and show cause why said North Dagger Draw-Upper Pennsylvanian Pool should not be developed on less than 160-acre proration units and why the special depth bracket allowable should be retained.

CASE 5851: Application of Jerome P. McHugh for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Tapacito-Pictured Cliffs, Blanco Mesaverde, and Basin-Dakota production in the wellbore of his Tribal Wells Nos. 1 and 2 located in Unit D of Section 16 and Unit L of Section 9, respectively, Township 26 North, Range 3 West, Rio Arriba County, New Mexico.

CASE 5852: Application of Jerome P. McHugh for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Wildhorse-Gallup and Basin-Dakota production in the wellbore of his Apache Wells Nos. 3 and 4, located in Units D and L, respectively, of Section 19, Township 26 North, Range 3 West, Rio Arriba County, New Mexico.

CASE 5853: Application of Carl Engwall for an exception to casing and cementing requirements of Order No. R-111-A, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the casing and cementing requirements of Order No. R-111-A to eliminate the salt protection casing string in a well he proposes to drill in Unit L of Section 27, Township 20 South, Range 34 East, Lynch-Yates-Seven Rivers Pool, Lea County, New Mexico.

CASE 5854: Application of Palmer Oil and Gas Company for an unorthodox location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Stevenson Well No. 2 to be drilled 1850 feet from the North line and 1150 feet from the West line of Section 8, Township 26 North, Range 2 West, Blanco-Mesaverde Pool, Rio Arriba County, New Mexico, the N/2 of said Section 8 to be dedicated to the well.

LAW OFFICES

LOSEE & CARSON, P.A.

300 AMERICAN HOME BUILDING

P. O. DRAWER 239

ARTESIA, NEW MEXICO 88210

A. J. LOSEE
JOEL M. CARSON
CHAD DICKERSON

AREA CODE 505
746-3508

January 19, 1977

Miss Lynn Teschendorf
New Mexico Oil Conservation Commission
Legal Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Miss Teschendorf:

Enclosed for filing, please find three copies of an application of Yates Petroleum Corporation for dual completion in Eddy County, New Mexico.

We ask that this application be set for hearing before an examiner and that we be furnished with a docket of the hearing. Thank you.

Very truly yours,

LOSEE & CARSON, P.A.



A. J. Losee

AJL:bjm
Enclosures

cc w/enclosure: Mr. Eddie Mahfood

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :
YATES PETROLEUM CORPORATION FOR DUAL : CASE NO. _____
COMPLETION, EDDY COUNTY, NEW MEXICO. :
_____ :

APPLICATION

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

1. That applicant is operator of the Pennsylvanian system underlying:

Township 17 South, Range 25 East, N.M.P.M.

Section 26: S/2,

in Eddy County, New Mexico, upon which it has drilled its Gossett "EU" No. 1 Well, at a location 1,650 feet from the South line and 1,980 feet from the West line of said Section 26.

2. Applicant proposes to dually complete (conventional) its Gossett "EU" No. 1 Well to produce gas from the Upper Pennsylvanian formation through the casing-tubing annulus and to produce gas from the Strawn formation through tubing, with separation of zones by a packer.

3. That a diagrammatic sketch of the proposed conventional dual completion in accordance with Rule 112-A of the Commission Rules and Regulations is hereto attached; that the mechanics of the proposed dual completions are feasible in accordance with good conservation practices; and will otherwise prevent waste and protect correlative rights.

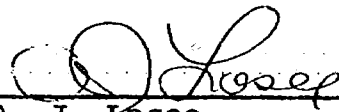
WHEREFORE, applicant prays:

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 Commission enter its order granting permission to applicant to conventionally dually complete its Gossett "EU" No. 1 Well for the production of gas from the Upper Pennsylvanian formation and the Strawn formation.

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

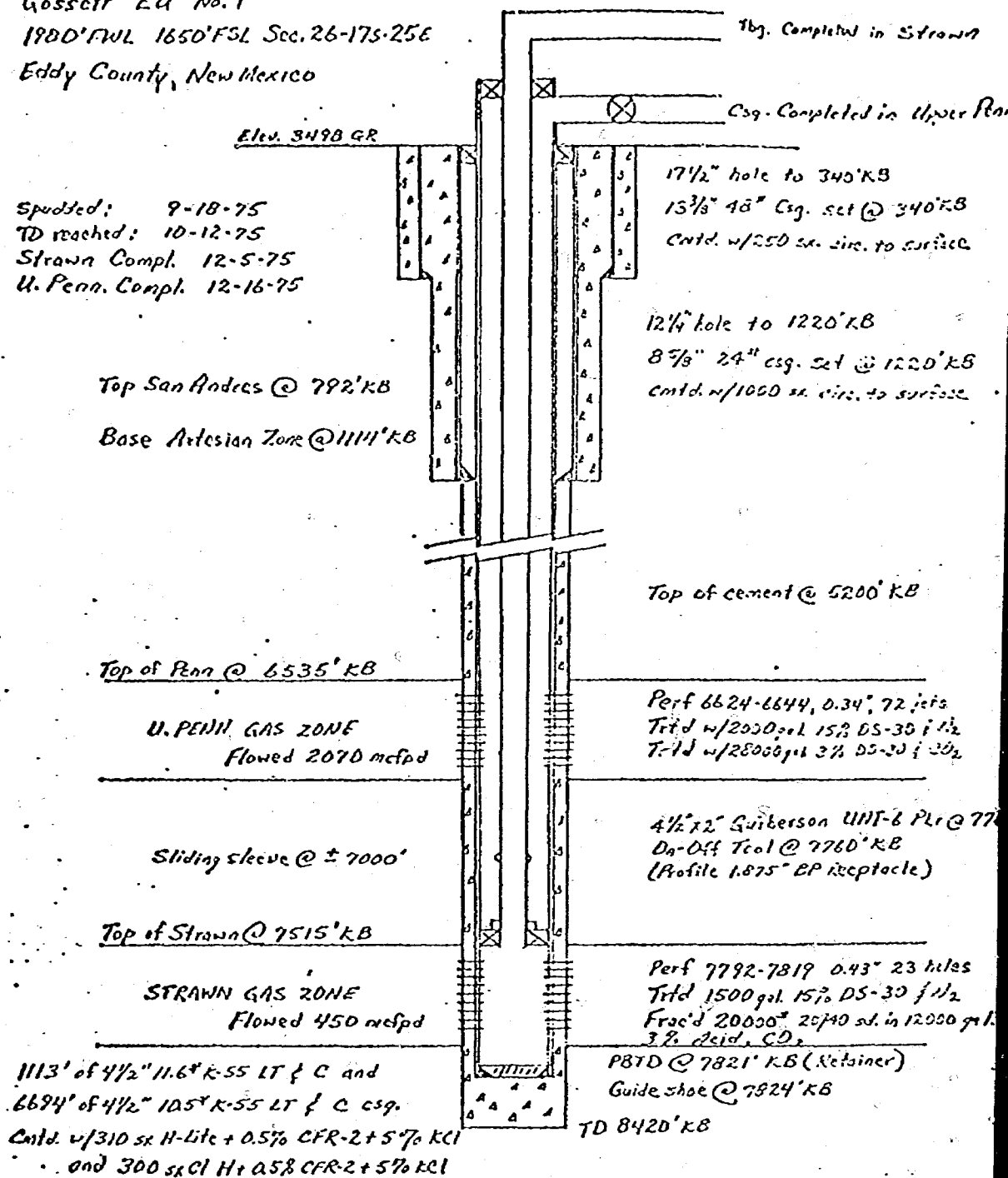
YATES PETROLEUM CORPORATION

By: 
A. J. Losee
LOSEE & CARSON, P.A.
P. O. Drawer 239
Artesia, New Mexico 88210

**DIAGRAMMATIC SKETCH
OF
PROPOSED DUAL COMPLETION**

YATES PETROLEUM CORP.
Gosselt "EU" No. 1
1900'FWL 1650'FSL Sec. 26-17S-25E
Eddy County, New Mexico

Spudded: 9-18-75
TD reached: 10-12-75
Strawn Compl. 12-5-75
U. Penn. Compl. 12-16-75



BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :
YATES PETROLEUM CORPORATION FOR DUAL : CASE NO. _____
COMPLETION, EDDY COUNTY, NEW MEXICO. :
_____ :

APPLICATION

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

1. That applicant is operator of the Pennsylvanian system underlying:

Township 17 South, Range 25 East, N.M.P.M.

Section 26: S/2,

in Eddy County, New Mexico, upon which it has drilled its Gossett "EU" No. 1 Well, at a location 1,650 feet from the South line and 1,980 feet from the West line of said Section 26.

2. Applicant proposes to dually complete (conventional) its Gossett "EU" No. 1 Well to produce gas from the Upper Pennsylvanian formation through the casing-tubing annulus and to produce gas from the Strawn formation through tubing, with separation of zones by a packer.

3. That a diagrammatic sketch of the proposed conventional dual completion in accordance with Rule 112-A of the Commission Rules and Regulations is hereto attached; that the mechanics of the proposed dual completions are feasible in accordance with good conservation practices; and will otherwise prevent waste and protect correlative rights.

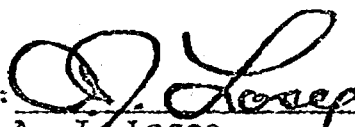
WHEREFORE, applicant prays:

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 Commission enter its order granting permission to applicant to conventionally dually complete its Gossett "EU" No. 1 Well for the production of gas from the Upper Pennsylvanian formation and the Strawn formation.

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

YATES PETROLEUM CORPORATION

By: 
A. J. Losee
LOSEE & CARSON, P.A.
P. O. Drawer 239
Artesia, New Mexico 88210

DIAGRAMMATIC SKETCH OF PROPOSED DUAL COMPLETION

YATES PETROLEUM CORP.
Rossett 'EU' No. 1
1980'FWL 1650'FSL Sec. 26-175-25E
Eddy County, New Mexico

Spudded: 9-18-75
TD reached: 10-12-75
Strawn Compl. 12-5-75
U. Penn. Compl. 12-16-75

Top San Andres @ 792'KB
Base Artesian Zone @ 1111'KB

Top of Penn @ 6535'KB

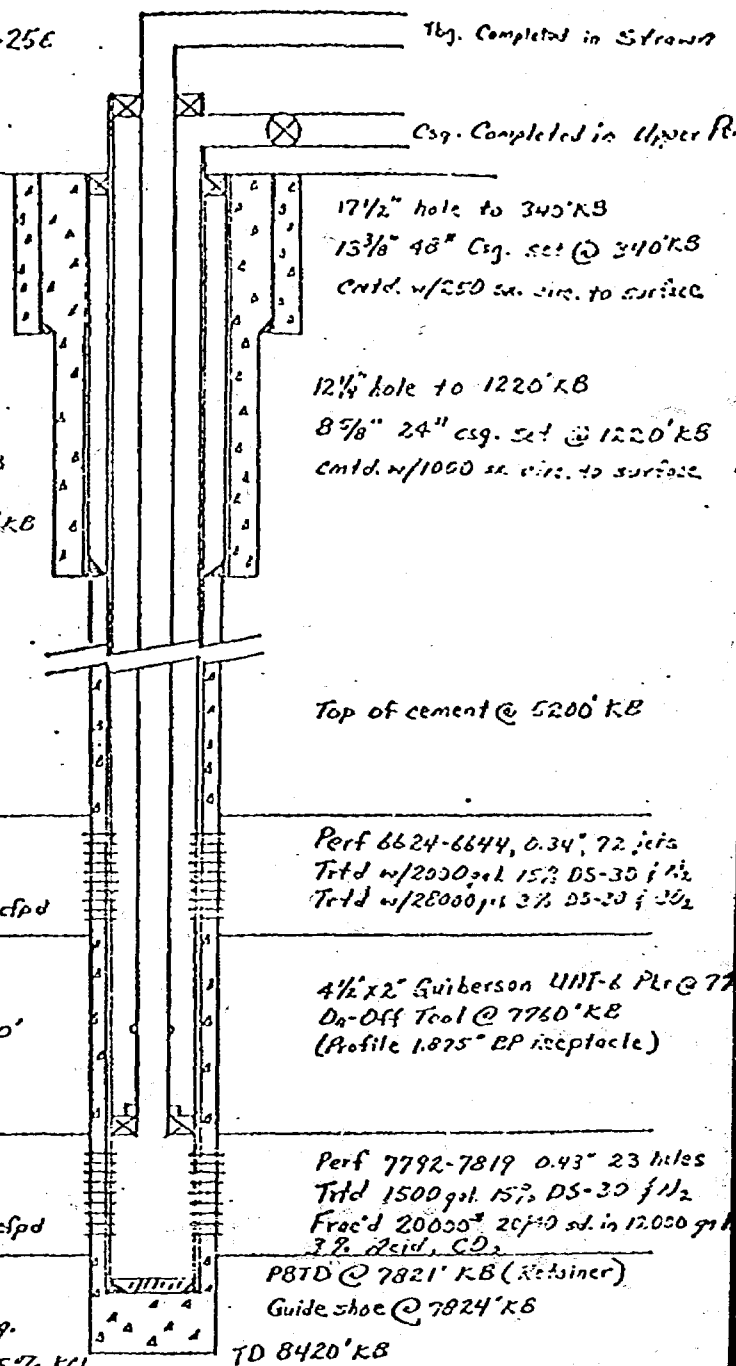
U. PENN GAS ZONE
Flowed 2070 mcfpd

Sliding sleeve @ ± 7000'

Top of Strawn @ 7515'KB

STRAWN GAS ZONE
Flowed 450 mcfpd

1113' of 4 1/2" 11.6" K-55 LT f C and
6694' of 4 1/2" 10.5" K-55 LT f C csq.
Cmtd. w/310 sk H-Lite + 0.5% CFR-2 + 5% KCI
and 300 sk CI H + 0.5% CFR-2 + 5% KCI



TD 8420'KB

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :
YATES PETROLEUM CORPORATION FOR DUAL : CASE NO. _____
COMPLETION, EDDY COUNTY, NEW MEXICO. :
_____ :

APPLICATION

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

1. That applicant is operator of the Pennsylvanian system underlying:

Township 17 South, Range 25 East, N.M.P.M.

Section 26: S/2,

in Eddy County, New Mexico, upon which it has drilled its Gossett "EU" No. 1 Well, at a location 1,650 feet from the South line and 1,980 feet from the West line of said Section 26.

2. Applicant proposes to dually complete (conventional) its Gossett "EU" No. 1 Well to produce gas from the Upper Pennsylvanian formation through the casing-tubing annulus and to produce gas from the Strawn formation through tubing, with separation of zones by a packer.

3. That a diagrammatic sketch of the proposed conventional dual completion in accordance with Rule 112-A of the Commission Rules and Regulations is hereto attached; that the mechanics of the proposed dual completions are 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 Commission enter its order granting permission to applicant to conventionally dually complete its Gossett "EU" No. 1 Well for the production of gas from the Upper Pennsylvanian formation and the Strawn formation.

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

YATES PETROLEUM CORPORATION

By: 

A. J. Losee

LOSEE & CARSON, P.A.

P. O. Drawer 239

Artesia, New Mexico 88210

DIAGRAMMATIC SKETCH OF PROPOSED DUAL COMPLETION

YATES PETROLEUM CORP.
Russell "EU" No. 1
1800'FWL 1650'FSL Sec. 26-17S-25E
Eddy County, New Mexico

Spudded: 9-18-75
TD reached: 10-12-75
Strawn Compl. 12-5-75
U. Penn. Compl. 12-16-75

Top San Andres @ 792'KB
Base Artesian Zone @ 1114'KB

Top of Penn @ 6535'KB

U. PENN GAS ZONE
Flowed 2070 mcfpd

Sliding sleeve @ ± 7000'

Top of Strawn @ 7515'KB

STRAWN GAS ZONE
Flowed 450 mcfpd

1113' of 4 1/2" 11.6# K-55 LT f C and
6694' of 4 1/2" 10.5# K-55 LT f C csq.
Cmtd. w/310 sk H-Lite + 0.5% CFR-2 + 5% KCl
and 300 sk Cl H + 0.5% CFR-2 + 5% KCl

Reg. Completed in Strawn

Csq. Completed in Upper Penn

17 1/2" hole to 340'KB
13 3/8" 48" csq. set @ 340'KB
Cmtd. w/250 sk. size to surface

12 1/4" hole to 1220'KB
8 5/8" 24" csq. set @ 1220'KB
Cmtd. w/1050 sk. size to surface

Top of cement @ 5200'KB

Perf 6624-6644, 0.34" 72 jets
Trtd w/2000 gal. 15% DS-30 f 1/2
Trtd w/28000 gal. 3% DS-30 f 1/2

4 1/2" 72" Guiberson UNIT-6 PL @ 77
On-Off Tool @ 7780'KB
(Profile 1.875" EP receptacle)

Perf 7792-7819 0.43" 23 jets
Trtd 1500 gal. 15% DS-30 f 1/2
Frac'd 20000' 20/40 sd. in 12000 gal.
3% Acid, CO₂

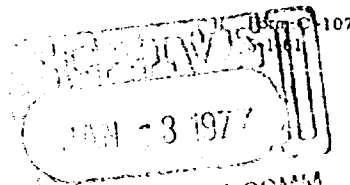
P8TD @ 7821'KB (Retainer)
Guide shoe @ 7924'KB

TD 8420'KB

Application of Yates Petroleum
Corporation for a Dual Completion,
Eddy County, New Mexico

Applicant, in the above-styled case,
seeks approval for the dual completion
(conventional) of its Gossett "EU" Well
No. 1, located in Unit K of Section 26,
Township 17 South, Range 25 East,
Eddy County, New Mexico, in such a
manner as to produce gas from the
Lower Wolfcamp and Upper Pennsylvanian
and the Lower Pennsylvanian for-
mations through the casing-tubing annulus
and tubing, respectively.

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION



Operator Yates Petroleum Corporation		County Eddy	Date 12/28/76
Address 207 So. 4th St., Artesia, NM		Lease Gossett "EU"	Well No. 1
Location of Well	Unit K	Section 26	Township 17S
			Range 25E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO
2. If answer is yes, identify one such instance: Order No. R-4955 ; Operator Lease, and Well No.: Powell "DG" Com #1

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Richard Knob U-Penn		Richard Knob L-Penn
b. Top and Bottom of Pay Section (Perforations)	6624-6644		7792-7819
c. Type of production (Oil or Gas)	GAS		GAS
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing

4. The following are attached. (Please check YES or NO)

- | Yes | No | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.) |

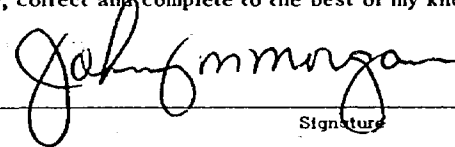
5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Yates Petroleum Corporation - 207 So. 4th St. - Artesia, NM 88210

Western Oil Producers - P.O. Box 2055 - Roswell, NM 88201

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO . If answer is yes, give date of such notification 12-28-76.

CERTIFICATE: I, the undersigned, state that I am the Production Supt. of the Yates Petroleum Corp. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.


Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

**DIAGRAMMATIC SKETCH
OF
PROPOSED DUAL COMPLETION**

YATES PETROLEUM CORP.
Gossett "EU" No. 1
1980' FWL 1650' FSL Sec. 26-17S-25E
Eddy County, New Mexico

Spudded: 9-18-75
TD reached: 10-12-75
Strawn Compl. 12-5-75
U. Penn. Compl. 12-16-75

Top San Andres @ 792' KB

Base Artesian Zone @ 1114' KB

Elev. 3498 GR

Tbg. Completed in Strawn

Csg. Completed in Upper Penn

17 1/2" hole to 340' KB
13 3/8" 48" Csg. set @ 340' KB
Cmtd. w/250 sk. size. to surface

12 1/4" hole to 1220' KB
8 5/8" 24" csg. set @ 1220' KB
Cmtd. w/1000 sk. size. to surface

Top of cement @ 5200' KB

Top of Penn @ 6535' KB

U. PENN GAS ZONE
Flowed 2070 mcfpd

Perf 6624-6644, 0.34" 72 jets
Ttd w/2000 gal 15% DS-30 f 1/2
Ttd w/28000 gal 3% DS-30 f 20 1/2

Sliding sleeve @ ± 7000'

4 1/2" x 2" Guiberson UNI-6 PLR @ 7762
On-Off Tool @ 7760' KB
(Profile 1.875" BP Receptacle)

Top of Strawn @ 7515' KB

STRAWN GAS ZONE
Flowed 450 mcfpd

Perf 7792-7819 0.43" 23 holes
Ttd 1500 gal. 15% DS-30 f 1/2
Frac'd 20000' 20/40 sd. in 12000 gal.
3% Acid, CD

1113' of 4 1/2" 11.6" K-55 LT f C and
6694' of 4 1/2" 10.5" K-55 LT f C csg.
Cmtd. w/310 sk H-Lite + 0.5% CFR-2 + 5% KCl
and 300 sk Cl H + 0.5% CFR-2 + 5% KCl

P8TD @ 7821' KB (Retainer)
Guide shoe @ 7824' KB

TD 8420' KB

[illegible]



FOLD HERE		The well name, location and borehole reference data were furnished by the customer.										
RUN NO.:		ONE								SCALE CHANGES		
Service Order No.		41965								Type Log	Depth	
Fluid Level		FULL								CNL	1220	
Salinity, PPM Cl.		17000		(2.5% KCL)						Scale Up Hole		
Speed - F.P.M.		30-60								CH-LIME		
										Scale Down Hole		
										OH-LIME -		
										AUTO		
EQUIPMENT DATA												
Dens. Panel		EH-652										
Dens. Carl.		A-X317										
Dens. Skid.		D-1234										
Dens. Sonde		EB-10										
Dens. Source		B-3272										
Dens. Calibrator		1045										
Neut. Panel		A-252										
Neut. Carl.		A-240										
Neut. Source		F-304										
Neut. Calibrator		AB-248										
GR Carl.		KG-169										
Memorizer Panel		B-242										
Tape Recorder (TTR)												
Depth Encoder (DRE)												
Pressure Wheel (CPW)												
Centralizers:		Type		CNL BOWSPRING								
Enter Spring,		No.		1								
Standoffs,												
In-line, or None		S. O. — Inches										
CALIBRATION DATA												
GR		BKG. CPS		100								
		Source CPS		600								
		Sens. - Cal		165								
		T. C. - Cal		6								
CNL	Short Spacing - Before Log		2980		RATIO =							
	Long Spacing - Before Log		1380		2.16							
	Short Spacing - After Log		2980									
	Long Spacing - After Log		1380									
FDC	P1 - Before Log		456									
	P2 - Before Log		728									
	P1 - After Log		456									
	P2 - After Log		724									
LOGGING DATA												
DEPTH		CNP			FDC				GR			
Top	Bottom	Porosity Scale	Matrix	Auto Corr. or Hole Size Setting	Porosity Scale	Grain Density	Liquid Density	Hole Fluid	Sens. Logged	T. C.	Zero Div. Left	Scale Per 100 Div.
SURF	1220	30 -10	LS/CH						100	1	0	100
1220	TD	30 -10	LS/OH	AUTO	30 -10	2.71	1.10	LIQ	100	2	0	100
<p>All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.</p>												

CORRECTION GRAMS/CC

0 +.25

BULK DENSITY GRAMS/CC

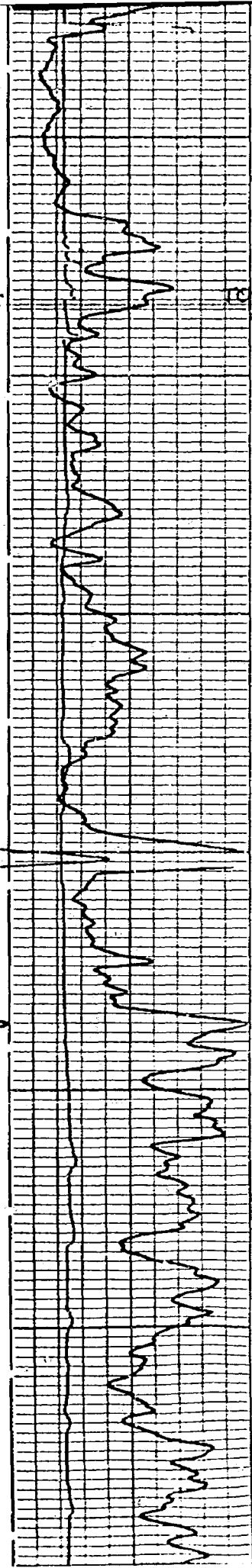
2.0 2.5 3.0

1.0 1.5 2.0

CNL POROSITY — %

30 20 10 0 -10

GOSSET EU No. 1
BULK DENSITY/GAMMA RAY



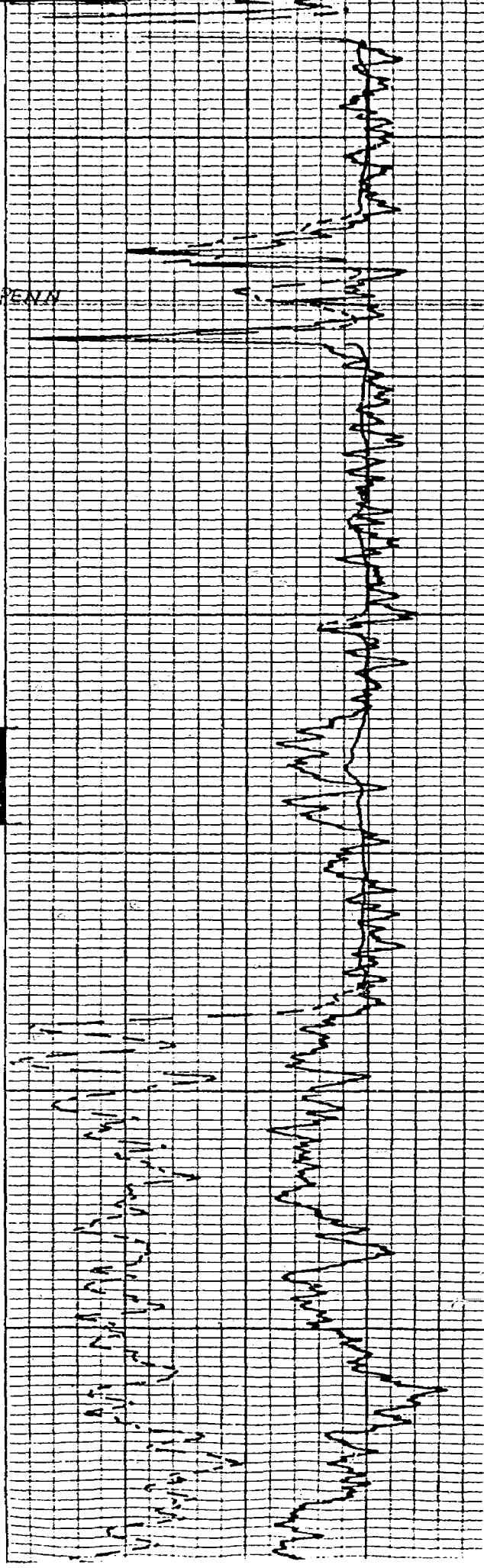
TOP OF PENN

6500

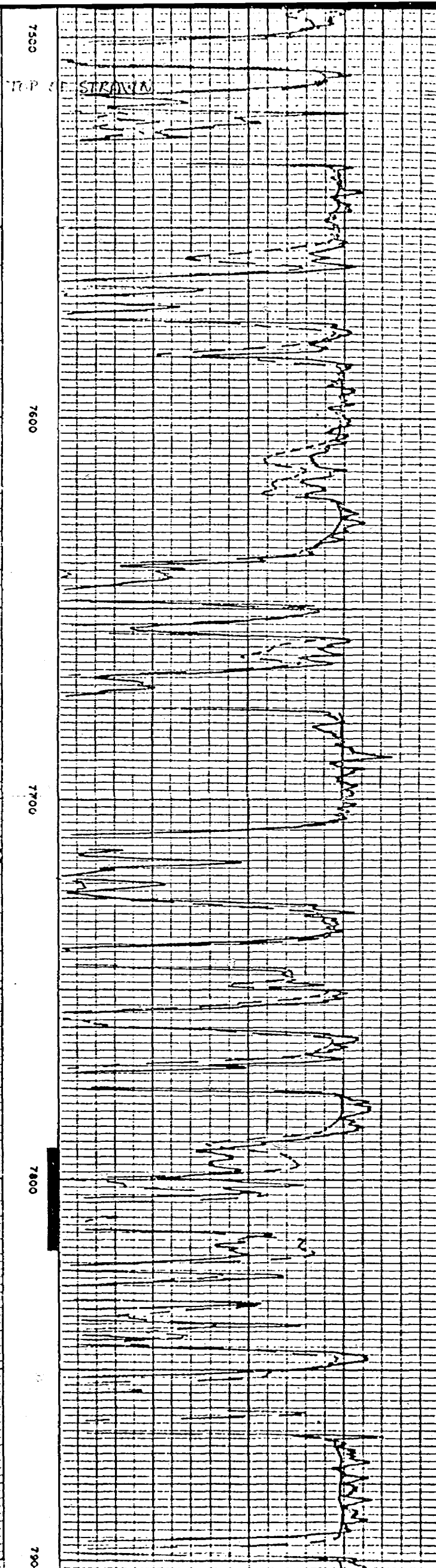
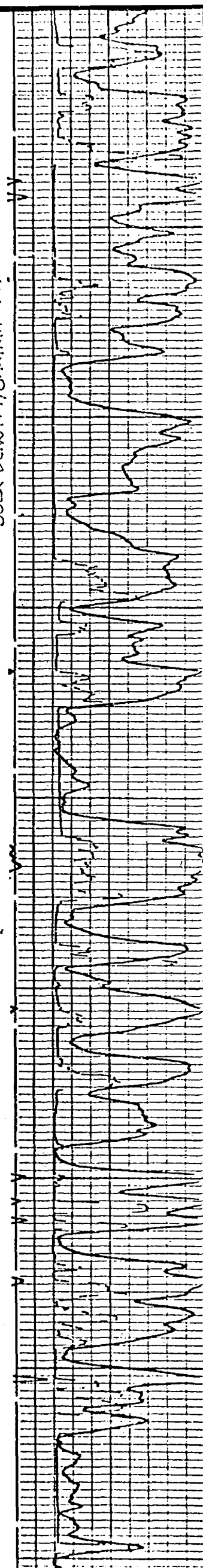
6600

6700

68



GOSSETT EU NO. 1
BULK DENSITY/GAMMA RAY



DRAFT

dr/

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 5847

Order No. R- 5376

APPLICATION OF YATES PETROLEUM CORPORATION
FOR A DUAL COMPLETION, EDDY
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
February 21st, 19 77, at Santa Fe, New Mexico, before
Examiner Daniel S. Nutter RLS.

NOW, on this day of February, 19 77, the
Commission, a quorum being present, 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 Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Yates Petroleum Corporation,
seeks authority to complete its Gossett "EU" Well No. 1
Well No. 1, located in Unit K of Section 26, Township
17 South Range 25 East NMPM, Eddy County, New
Mexico, as a dual completion (conventional) to produce gas
from the Lower Wolfcamp and Strawn
Lower Pennsylvanian formations through the casing tubing
and Strawn formations, respectively.

(3) That the mechanics of the proposed dual completion
are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Yates Petroleum Corporation, is hereby authorized to complete its Gossett "EU" Well No. 1, located in Unit K of Section 26, Township 17 South ~~North~~ Range 25 East ~~West~~ NMPM, Eddy County, New

Mexico, as a dual completion ~~(conventional)~~ ~~(combination)~~ ~~(combination)~~ to produce gas ~~(conventional)~~ ~~(combination)~~ ~~(combination)~~ from the Lower Wolfcamp ~~or Upper Pennsylvanian~~ and the gas pool through the casing-tubing annulus ~~and gas from an undesignated Strawn gas pool through the casing-tubing annulus and tubing, respectively.~~ 2 7/8 - inch tubing with separation of the zones

to be accomplished by means of a packer to be set at approximately 7762 feet

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer-leakage ~~zone segregation~~

tests upon completion and annually thereafter during the Annual Shut-In Pressure ~~Gas Oil Ratio Test Period for the gas wells in Southeast New Mexico~~ ~~Deliverability~~ ~~Pool~~

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

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