

CASE 6419: YATES PETROLEUM CORPORATION
FOR A DUAL COMPLETION, EDDY COUNTY, NEW
MEXICO

Cont to

1-21

Continued to

February 14

CASE NO.

6419

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.

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

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Cor-) CASE
poration for a dual completion,) 6419
Eddy County, New Mexico.)

BEFORE: Daniel S. Nutter

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
Artesia, New Mexico

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I N D E X

EDDIE MAHFOOD

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MR. NUTTER: Call now Case 6419.

MS. TESCHENDORF: Case 6419. Application of Yates Petroleum Corporation for dual completion, Eddy County, New Mexico.

MR. CARSON: Mr. Examiner, my name is Joel Carson, Losee, Carson and Dickerson, Artesia, New Mexico. I'm appearing here on behalf of the Applicant. I have one witness, Mr. Eddie Mahfood, who needs to be sworn.

(Witness sworn.)

EDDIE MAHFOOD

being called as a witness and having been duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. CARSON:

Q Will you state your name, please?

A Eddie Mahfod.

Q And, Mr. Mahfood, by whom are you employed?

A Yates Petroleum in Artesia, New Mexico.

Q In what capacity?

A I'm their Chief Engineer.

Q Have you previously testified before the Oil Conservation Commission?

A Yes, I have.

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Santa Fe, New Mexico 87501

1 Q And have your qualifications been acceptable?

2 A Yes.

3 MR. CARSON: Mr. Examiner, are the witness'
4 qualifications acceptable?

5 MR. NUTTER: Yes, they are. Please proceed.

6 Q (Mr. Carson continuing.) Mr. Mahfood, would
7 you explain the purpose of this application?

8 A We're asking for permit to dual complete a
9 well in an established field. We have previously had
10 downhole commingling in this field; however, we find it
11 necessary now to not downhole commingle but to create a
12 dual completion in the well.

13 Q And, Mr. Mahfood, is this well the Lanning
14 J. C. No. 1 Well, located in the north half of 18, 26?

15 A It's in the north half of Section 7 of 18
16 and 26.

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

20 A Yes, it was.

21 Q And what does that exhibit show?

22 A Well, the outline in orange is the established
23 area for the Eagle Creek-Strawn and the East Eagle Creek-
24 Atoka-Morrow Fields.

25 The yellow is the dedicated 320 acres for

1 the Lanning J. C. No. 1.

2 Q I refer you to Applicant Exhibit Number Two,
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4 your supervision?

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7 what exhibit shows?

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9 dual completion of the Lanning J. C. No. 1. It shows one
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11 packer and one tubing.

12 The Morrow will produce up the tubing and the
13 Strawn will produce up the tubing casing annulus.

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18 log and DLL log of the Lanning J. C. No. 1, showing the
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24 bottom hole pressure chart -- not chart, but diagram, of
25 the Lanning J. C. No. 1 Morrow completion, showing bottom

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1 hole pressure of 3366 at the center of the perforations.
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5 supervision?

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8 before the dual completion.

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11 mineral ownership the same throughout this formation?

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14 What kind of liquid would one expect to encounter in this
15 well?

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17 little bit of water, probably treating water. The Strawn
18 at the present time probably has a little treating water
19 on it. We don't know whether it will produce condensate
20 or not.

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22 so that one zone will not be contaminated with the liquids
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25 completely separated by tubing and packer. There is no

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1 contact between the two zones.

2 Q And therefore there's no possibility of con-
3 tamination of one zone versus the other?

4 A That is correct.

5 Q Now, Mr. Mahfood, how will you allocate the
6 production from those two zones?

7 A They'll be separate and they'll be metered
8 separately.

9 MR. CARSON: Mr. Examiner, we would like to
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11 through Five.

12 MR. NUTTER: Applicant's Exhibits One through
13 Five will be entered in evidence.

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18 is Morrow and one side is Strawn, is that it?
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20 A No, sir. The left side will be the porosity
21 log with the Strawn perforations up at around 8100 feet.

22 Q That's 8100 on --

23 A That should have been at 8100, yes, sir.

24 Q Okay.

25 A And the Morrow completion is between 8540

1 and 8600.

2 Q So the Strawn is on the top section and the
3 Morrow is on the bottom.

4 A Yes, sir.

5 Q And does that apply also to the log on the
6 righthand side?

7 A That is correct. The log on the righthand
8 side is the DLL log, dual lateral log, with an RXO curve
9 on there, too.

10 MR. NUTTER: And that's again at 8100 and
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20 The first arrow is at -- I beg your pardon. I beg your
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3 the hole, then, and find out if you have any fluid standing
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6 Q And you have put these depths on the next
7 pressure report there. Okay. Do you have any idea at all
8 of whether this Strawn is going to be wet or dry? You
9 said it's producing a little bit of treating water right
10 now, but you don't know whether it's going to make conden-
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20 it. I don't think there's any condensate associated, but
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23 produce condensate.

24 A The Morrow is on production now and is pro-
25 ducing 13 barrels of condensate a day.

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1 Q But it will be coming up the tubing so you
2 won't have any problem with that.

3 A That is correct.

4 Q Has the Strawn ever produced in this well?

5 A Just to -- yeah, just to bring it in.

6 Q I see.

7 A Oh, about a day or so.

8 Q And that was up the annulus?

9 A The first time we tested it was up tubing.
10 We had a bridge plug between the Strawn and the Morrow at
11 that time, and there was a blanking (sic) plug also in the
12 Morrow packer. Then --

13 Q What did the well yield then?

14 A All it got was the treating water at the
15 time. It flowed 70,000 a day, which is very low volume.
16 But we didn't see any condensate at that time.

17 Q But it hadn't cleaned up yet, so --

18 A Right. This Exhibit Five shows there is
19 still a little bit of water left in there.

20 Q Yeah.

21 A Then we killed the well, pulled the tubing
22 out the hole, pulled the bridge plug out the hole, run the
23 tubing back and tied into the Morrow packer, swabbed in the
24 Strawn. When we shut it in it was still misting a little
25 bit, but it was pretty near dry, and from the surface pres-

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1 sure I'd think we still have a little bit of water left in
2 there, but we don't see any damage to the formation due to
3 that water.

4 Q Do you have a sliding sleeve there where you
5 can swab if necessary?

6 A That is correct. There is a sliding sleeve
7 between the sTrawn and the Morrow in the tubing. At this
8 time it is closed and there's no indication of leakage.

9 Q Okay.

10 MR. NUTTER: Are there any further questions
11 of Mr. Mahfood?

12
13 REDIRECT EXAMINATION

14 BY MR. CARSON:

15 Q The only other question I have, Mr. Mahfood,
16 is it your professional opinion that the granting of this
17 application is within sound engineering practice?

18 A Yes. The Strawn is being drained there to
19 the east and that is the reason for dualing the well at this
20 time.

21 Q And will it prevent economic waste and pro-
22 tect correlative rights?

23 A Okay, I have some more information that's
24 been just brought to my attention. Two Strawn wells in
25 this East Eagle Creek, one is making low condensate, the

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1 other one is making 1 barrel a day.

2 MR. NUTTER: Where are those wells?

3 A. The Arthur E. C. No. 2, which would be in
4 Section 36 -- let me see now -- in Section 36, south half
5 of Section 36, in the Unit I or J.

6 MR. NUTTER: And that makes what in the
7 Strawn zone?

8 A. That makes no condensate.

9 MR. NUTTER: Zero condensate, okay.

10 A. In the Strawn. The other one is the Patter-
11 son E. L., which is directly north of us, and they show
12 1 barrel of condensate from it.

13 MR. NUTTER: Now where is that well?

14 A. Directly north of the J. C., approximately
15 3/4 of a mile north in Section 6.

16 MR. NUTTER: Okay, and that makes one barrel
17 of condensate a day.

18 A. It made 1 barrel of condensate on January
19 23rd. Now I don't know if it's making that continuously
20 or not.

21 MR. NUTTER: Okay, thank you.

22 Are there any further questions of Mr. Mah-
23 food? He may be excused.

24 Do you have anything further, Mr. Carson?

25 MR. CARSON: No, sir.

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1 MR. NUTTER: Does anyone have anything they
2 wish to offer in Case Number 6419?

3 We'll take the case under advisement.

4 (Hearing concluded.)
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REPORTER'S CERTIFICATE

I, SALLY W. 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 the said transcript is a full, true, and correct
record of the hearing, prepared by me from my notes taken
at the time of the hearing.

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

SALLY WALTON BOYD
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2830 Plaza Blanca (SOS) 471-3443
Santa Fe, New Mexico 87501

I do hereby certify that the foregoing is
a complete record of the proceeding
the Examiner hearing of Case No. 6419
heard by me on 2/14 1979
[Signature] Examiner
Oil Conservation Division

STATE OF NEW MEXICO
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MR. NUTTER: Call now Case 6419.

MS. TESCHENDORF: Case 6419. Application of Yates Petroleum Corporation for dual completion, Eddy County, New Mexico.

MR. CARSON: Mr. Examiner, my name is Joel Carson, Losee, Carson and Dickerson, Artesia, New Mexico. I'm appearing here on behalf of the Applicant. I have one witness, Mr. Eddie Mahfood, who needs to be sworn.

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being called as a witness and having been duly sworn upon his oath, testified as follows, to-wit:

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Q And, Mr. Mahfood, by whom are you employed?

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Q In what capacity?

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3620 Plaza Blanca (SOS) 471-2442
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1 Q And have your qualifications been acceptable?

2 A Yes.

3 MR. CARSON: Mr. Examiner, are the witness'

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2 Q And therefore there's no possibility of con-
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4 A That is correct.

5 Q Now, Mr. Mahfood, how will you allocate the
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3 Morrow is on the bottom.

4 A Yes, sir.

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21 tect correlative rights?

22 A Okay, I have some more information that's
23 been just brought to my attention. Two Strawn wells in
24 this East Eagle Creek, one is making low condensate, the
25

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1 other one is making 1 barrel a day.

2 MR. NUTTER: Where are those wells?

3 A. The Arthur E. C. No. 2, which would be in
4 Section 36 -- let me see now -- in Section 36, south half
5 of Section 36, in the Unit I or J.

6 MR. NUTTER: And that makes what in the
7 Strawn zone?

8 A. That makes no condensate.

9 MR. NUTTER: Zero condensate, okay.

10 A. In the Strawn. The other one is the Patter-
11 son E. L., which is directly north of us, and they show
12 1 barrel of condensate from it.

13 MR. NUTTER: Now where is that well?

14 A. Directly north of the J. C., approximately
15 3/4 of a mile north in Section 6.

16 MR. NUTTER: Okay, and that makes one barrel
17 of condensate a day.

18 A. It made 1 barrel of condensate on January
19 23rd. Now I don't know if it's making that continuously
20 or not.

21 MR. NUTTER: Okay, thank you.

22 Are there any further questions of Mr. Mah-
23 food? He may be excused.

24 Do you have anything further, Mr. Carson?

25 MR. CARSON: No, sir.

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1 MR. NUTTER: Does anyone have anything they
2 wish to offer in Case Number 6419?

3 We'll take the case under advisement.

4 (Hearing concluded.)
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SALLY WALTON BOYD
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San Antonio, Texas 78204

REPORTER'S CERTIFICATE

I, SALLY W. 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 the said transcript is a full, true, and correct
 record of the hearing, prepared by me from my notes taken
 at the time of the hearing.

Sally W. Boyd, C.S.R.

SALLY WALTON BOYD
 CERTIFIED SHORTHAND REPORTER
 3020 Plaza Blanca (S.W.) 471-2462
 Santa Fe, New Mexico 87501

I do hereby certify that the foregoing is
 a complete record of the proceedings in
 the hearing held by me on 2/14 1979
[Signature], Examiner
 Oil Conservation Division

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. 6419
Order No. R-5928

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

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on February 14, 1979, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 28th day of February, 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, seeks authority to complete its Lanning JC Well No. 1, located in Unit B of Section 7, Township 18 South, Range 26 East, NMPM, Eagle Creek Field, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing-tubing annulus and from the Morrow formation through tubing with separation of the zones to be achieved by means of a packer set at approximately 8486 feet.

(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.

-2-

Case No. 6419
Order No. R-5928

IT IS THEREFORE ORDERED:

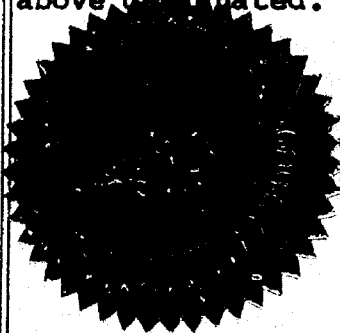
(1) That the applicant, Yates Petroleum Corporation, is hereby authorized to complete its Lanning JC Well No. 1, located in Unit B of Section 7, Township 18 South, Range 26 East, NMPM, Eagle Creek Field, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn formation through the casing-tubing annulus and from the Morrow formation through tubing with a packer set at approximately 8486 feet.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division 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 the Morrow formation.

(2) 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.



STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Joe D. Ramey
JOE D. RAMEY
Director

S E A L

fd/

CASE 6458: Application of Cotton 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 Federal 24 Well No. 1 to be located 660 feet from the South and East lines of Section 24, Township 21 South, Range 23 East, Indian Basin-Upper Pennsylvanian Pool, Eddy County, New Mexico, all of said Section 24 to be dedicated to the well.

CASE 6459: Application of Cotton Petroleum Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying all of Section 24, Township 21 South, Range 23 East, Indian Basin-Upper Pennsylvanian Pool, Eddy County, New Mexico, to be dedicated to a well to be drilled 660 feet from the South and East lines of said section. 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 this well and a charge for risk involved in drilling said well.

CASE 6460: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order extending certain pools in Rio Arriba, San Juan, and Sandoval Counties, New Mexico:

(a) EXTEND the Aztec-Pictured Cliffs Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM
Section 26: W/2

(b) EXTEND the Ballard-Pictured Cliffs Pool in Rio Arriba, Sandoval and San Juan Counties, New Mexico, to include therein:

TOWNSHIP 23 NORTH, RANGE 3 WEST, NMPM
Section 16: NE/4

TOWNSHIP 24 NORTH, RANGE 6 WEST, NMPM
Section 18: SE/4

(c) EXTEND the Beautiful Mountain-Mississippian Oil Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 27 NORTH, RANGE 19 WEST, NMPM
Section 32: SE/4 SW/4 and SW/4 SE/4

(d) EXTEND the Disti-Lower Gallup Oil Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 24 NORTH, RANGE 10 WEST, NMPM
Section 5: S/2 NE/4

(e) EXTEND the Blanco Mesaverde Pool in Rio Arriba and San Juan Counties, New Mexico, to include therein:

TOWNSHIP 26 NORTH, RANGE 2 WEST, NMPM
Section 8: E/2
Section 9: All

TOWNSHIP 26 NORTH, RANGE 6 WEST, NMPM
Section 3: W/2
Section 4: All
Section 5: All

TOWNSHIP 27 NORTH, RANGE 2 WEST, NMPM
Section 21: S/2
Section 28: W/2
Section 29: S/2 (Partial)
Section 30: S/2 (Partial)

TOWNSHIP 30 NORTH, RANGE 5 WEST, NMPM
Section 1: W/2

(f) EXTEND the Blanco-Pictured Cliffs Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 31 NORTH, RANGE 9 WEST, NMPM
Section 7: S/2
Section 18: W/2

TOWNSHIP 31 NORTH, RANGE 10 WEST, NMPM

Section 2: W/2 and SE/4
Section 11: All
Section 12: W/2 and SE/4
Section 24: NW/4

TOWNSHIP 32 NORTH, RANGE 11 WEST, NMPM

Section 14: SW/4
Section 15: E/2
Section 23: W/2

TOWNSHIP 32 NORTH, RANGE 12 WEST, NMPM

Section 12: W/2

(g) EXTEND the South Blanco-Pictured Cliffs Pool in Rio Arriba, Sandoval and San Juan Counties, New Mexico, to include therein:

TOWNSHIP 23 NORTH, RANGE 3 WEST, NMPM

Section 2: SW/4
Section 3: SE/4
Section 4: NW/4
Section 9: NE/4
Section 10: SE/4

(h) EXTEND the Bloomfield-Chacra Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 29 NORTH, RANGE 11 WEST, NMPM

Section 12: NE/4

(i) EXTEND the Chacon-Dakota Associated Pool in Rio Arriba and Sandoval Counties, New Mexico, to include therein:

TOWNSHIP 22 NORTH, RANGE 3 WEST, NMPM

Section 3: NE/4

TOWNSHIP 23 NORTH, RANGE 3 WEST, NMPM

Section 23: SW/4
Section 26: W/2
Section 35: NW/4

TOWNSHIP 24 NORTH, RANGE 3 WEST, NMPM

Section 19: All
Section 20: W/2
Section 29: E/2 and NW/4
Section 30: N/2
Section 33: NE/4

(j) EXTEND the Choza Mesa-Pictured Cliffs Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 28 NORTH, RANGE 3 WEST, NMPM

Section 7: N/2

TOWNSHIP 28 NORTH, RANGE 4 WEST, NMPM

Section 13: All
Section 24: W/2
Section 36: NE/4

TOWNSHIP 29 NORTH, RANGE 4 WEST, NMPM

Section 22: SE/4
Section 23: S/2
Section 24: SW/4
Section 25: W/2 and SE/4
Section 26: All
Section 27: E/2

(k) EXTEND the Franciscan Lake-Mesaverde Oil Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 20 NORTH, RANGE 5 WEST, NMPM

Section 18: NW/4 SW/4

- (l) EXTEND the Gavilan-Pictured Cliffs Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 28 NORTH, RANGE 3 WEST, NMPM
Section 28: NE/4

- (m) EXTEND the Gobernador-Pictured Cliffs Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 29 NORTH, RANGE 4 WEST, NMPM
Section 20: S/2

TOWNSHIP 29 NORTH, RANGE 5 WEST, NMPM
Section 3: SE/4
Section 23: NE/4

- (n) EXTEND the Gonzales-Mesaverde Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 25 NORTH, RANGE 5 WEST, NMPM
Section 5: NE/4

- (o) EXTEND the Harper Hill Fruitland-Pictured Cliffs Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 29 NORTH, RANGE 14 WEST, NMPM
Section 2: NE/4

- (p) EXTEND the West Lindrith Gallup-Dakota Oil Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 24 NORTH, RANGE 4 WEST, NMPM
Section 1: SE/4
Section 10: NE/4
Section 11: NW/4 and SE/4
Section 12: All
Section 13: All
Section 24: N/2

TOWNSHIP 25 NORTH, RANGE 4 WEST, NMPM
Section 19: All

- (q) EXTEND the South Los Pinos Fruitland-Pictured Cliffs Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 31 NORTH, RANGE 7 WEST, NMPM
Section 3: N/2 (Partial)
Section 4: All

TOWNSHIP 32 NORTH, RANGE 7 WEST, NMPM
Section 33: S/2

- (r) EXTEND the Otero-Chacra Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 26 NORTH, RANGE 5 WEST, NMPM
Section 27: SW/4

TOWNSHIP 26 NORTH, RANGE 6 WEST, NMPM
Section 3: SW/4
Section 4: SE/4
Section 8: S/2 and NE/4
Section 9: All
Section 10: W/2
Section 15: W/2
Section 16: All
Section 17: N/2
Section 21: NW/4
Section 22: NW/4

- (s) EXTEND the Otero-Gallup Oil Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 24 NORTH, RANGE 5 WEST, NMPM
Section 14: NW/4 SW/4
Section 21: E/2 SW/4
Section 28: NE/4 NW/4

TOWNSHIP 25 NORTH, RANGE 5 WEST, NMPM
Section 34: W/2 SW/4
Section 36: W/2 SW/4

- (t) EXTEND the Tapacito-Pictured Cliffs Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 27 NORTH, RANGE 4 WEST, NMPM
Section 18: E/2

- (u) EXTEND the Ute Dome-Dakota Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 32 NORTH, RANGE 13 WEST, NMPM
Section 30: N/2 and SE/4

- (v) EXTEND the WAW Fruitland-Pictured Cliffs Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 25 NORTH, RANGE 12 WEST, NMPM
Section 9: N/2

TOWNSHIP 26 NORTH, RANGE 12 WEST, NMPM
Section 32: SE/4

TOWNSHIP 26 NORTH, RANGE 13 WEST, NMPM
Section 1: SW/4
Section 2: NW/4
Section 3: NE/4

- (w) EXTEND the White Wash Mancos-Dakota Oil Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 24 NORTH, RANGE 9 WEST, NMPM
Section 11: W/2 NW/4

- (x) EXTEND the Wild Horse-Callup Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 26 NORTH, RANGE 13 WEST, NMPM
Section 7: S/2

DOCKET: COMMISSION HEARING - WEDNESDAY - FEBRUARY 7, 1979

OIL CONSERVATION COMMISSION - 9 A.M. - ROOM 205
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases are continued from the January 24, 1979, Commission Hearing.

CASE 6231: (DE NOVO)

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 State "JM" Well No. 1, a Morrow test to be located 660 feet from the North and East lines of Section 25, Township 18 South, Range 24 East, Eddy County, New Mexico, the N/2 of said Section 25 to be dedicated to the well.

Upon application of Gulf Oil Corporation this case will be heard De Novo pursuant to the provisions of Rule 1220.

CASE 6232: (DE NOVO)

Application of Yates Petroleum Corporation for an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Cities "JC" Well No. 1 to be located 660 feet from the South and East lines of Section 13, Township 18 South, Range 24 East, Fordinkus Field, Eddy County, New Mexico, the E/2 of said Section 13 to be dedicated to the well.

Upon application of Gulf Oil Corporation this case will be heard De Novo pursuant to the provisions of Rule 1220.

Dockets Nos. 7-79 and 8-79 are tentatively set for hearing on February 28 and March 14, 1979. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - FEBRUARY 14, 1979

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for March, 1979, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
- (2) Consideration of the allowable production of gas for March, 1979, from four prorated pools in San Juan, Bernalillo, and Sandoval Counties, New Mexico.
- (3) Consideration of purchaser's nominations for the one year period beginning April 1, 1979, for both of the above areas.

CASE 6445: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Consolidated Minerals Development Corporation, American Surety Company, and all other interested parties to appear and show cause why the Sarah "S" Well No. 1 located in Unit J of Section 26, Township 31 North, Range 23 East, Colfax County, New Mexico, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6446: Application of Flag-Redfern Oil Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation through the perforated interval from 4,969 feet to 4,984 feet in its Santa Fe Well No. 2 located in Unit D of Section 35, Township 10 South, Range 36 East, Dickinson-San Andres Pool, Lea County, New Mexico.

CASE 6447: Application of Atlantic Richfield Company for approval of infill drilling and an unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of its J. R. Phillips "B" Well No. 6 to be located at an unorthodox location 990 feet from the North line and 1650 feet from the West line of Section 31, Township 19 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the previously approved 160-acre non-standard proration unit which cannot be so drained by the existing unit well.

CASE 6448: Application of Sam H. Snoddy for amendment of Order No. R-5521, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-5521 to change the 160-acre non-standard proration unit to a 320-acre non-standard proration unit comprising the SW/4 of Section 25 and the NW/4 of Section 36, both in Township 20 South, Range 32 East, South Salt Lake Field, Lea County, New Mexico.

CASE 6449: Application of The Superior Oil Company for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Strawn and Morrow production in the wellbore of its Ryan Com. Well No. 1 located in Unit D of Section 5, Township 23 South, Range 27 East, South Carlisbad Field, Eddy County, New Mexico.

CASE 6450: Application of Sun Oil Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for its East Millman Pool Unit Area comprising 920 acres, more or less, of Federal and state lands in Township 19 South, Range 28 East, Eddy County, New Mexico.

CASE 6451: Application of Burleson & Huff for approval of infill drilling and an unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of its Coll A Well No. 2 to be located at an unorthodox location 1980 feet from the North line and 330 feet from the East line of Section 29, Township 25 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the previously approved 160-acre non-standard proration unit which cannot be so drained by the existing unit well.

CASE 6452: Application of Burleson & Huff for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the recompletion of its Harrison Well No. 2 located in Unit N or, in the alternative, the drilling of its Harrison Well No. 4 to be located in Unit L, both in Section 25, Township 24 South, Range 36 East, Jalmat Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the previously approved 160-acre non-standard proration unit which cannot be so drained by the existing unit well.

CASE 6453: Application of Moranco for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blinberry and Drinkard production in the wellbore of its FM Elliott Well No. 1 located in Unit E of Section 35, Township 21 South, Range 37 East, Lea County, New Mexico.

- CASE 6454: Application of Doyle Hartman for approval of infill drilling and two non-standard proration units, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of a well to be located 1980 feet from the South and East lines of Section 9, Township 25 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the existing proration unit which cannot be so drained by the existing well, the El Paso Prichard Well No. 1, located in Unit G of Section 9. Applicant further seeks approval of a 160-acre non-standard gas proration unit comprising the SE/4 of Section 9 for the new well and a 160-acre non-standard unit comprising the NE/4 of said Section 9 for the El Paso well.
- CASE 6432: (Continued and Readvertised)
- Application of John Yuronka for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Langlie Mattix Pool underlying the NE/4 NW/4 and the SE/4 NW/4 of Section 29, Township 24 South, Range 37 East, Lea County, New Mexico, to form two 40-acre units, each 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 wells 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 wells and a charge for risk involved in drilling said wells.
- CASE 6435: (Continued and Readvertised)
- Application of Amerada Hess Corporation for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of its W. A. Weir "B" Well No. 3 located in Unit B of Section 26, Township 19 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well, and further seeks approval of a waiver of existing well-spacing requirements.
- CASE 6419: (Continued from January 31, 1979, 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 Lanning JC Well No. 1 located in Unit B of Section 7, Township 18 South, Range 26 East, Eagle Creek Field, Eddy County, New Mexico, to produce gas from the Strawn formation through the casing-tubing annulus and from the Morrow formation through tubing.
- CASE 6423: (Continued from January 31, 1979, Examiner Hearing)
- Application of Yates Petroleum Corporation for an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Jackson AT Well No. 9 located 660 feet from the South and West lines of Section 13, Township 17 South, Range 25 East, Eddy County, New Mexico, to test the Wolfcamp, Pennsylvanian, and Mississippian formations, the S/2 of said Section 13 to be dedicated to the well.
- CASE 6424: (Continued from January 31, 1979, Examiner Hearing)
- Application of Yates Petroleum Corporation for an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Superior Fed. KJ Well No. 1 located 990 feet from the North and West lines of Section 7, Township 20 South, Range 29 East, Eddy County, New Mexico, to test the Wolfcamp and Pennsylvanian formations, the N/2 of said Section 7 to be dedicated to the well.
- CASE 6455: Application of Yates Petroleum Corporation for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for its North Texas Hills Unit Area comprising 5,120 acres, more or less, of Federal, state, and Fee lands in Township 21 South, Range 21 East, Eddy County, New Mexico.
- CASE 6456: Application of Harvey E. Yates Company for a new onshore reservoir determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its Loco Hills Welch Well No. 1 located in Unit D of Section 9, Township 18 South, Range 29 East, Morrow formation, Eddy County, New Mexico.
- CASE 6457: Application of Harvey E. Yates Company for a new onshore reservoir determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its Empire South Deep Unit Well No. 13 located in Unit N of Section 30, Township 17 South, Range 29 East, Morrow formation, Eddy County, New Mexico.

Dockets Nos. 3-79 and 4-79 are tentatively set for hearing on January 24 and 31, 1979. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - JANUARY 17, 1979

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stameers, Alternate Examiner:

ALLOWABLE: (1) Consideration of the allowable production of gas for February, 1979, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.

(2) Consideration of the allowable production of gas for February, 1979, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

CASE 6418: Application of Gulf Oil Corporation for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Eddy "GR" State Well No. 1 located in Unit E of Section 16, Township 23 South, Range 28 East, Eddy County, New Mexico, to produce gas from the Atoka and Morrow formations through parallel strings of tubing.

CASE 6413: (Continued from January 3, 1979, Examiner Hearing)

Application of Atlantic Richfield Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Langley Getty Com Well No. 1 located in Unit N of Section 21, Township 22 South, Range 36 East, Langley Field, Lea County, New Mexico, to produce gas from the Devonian and Ellenburger formations, through parallel strings of tubing.

CASE 6414: (Continued from January 3, 1979, Examiner Hearing)

Application of Atlantic Richfield Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Devonian formation through the perforated interval from 13,590 feet to 13,685 feet in its Lea 396 State Well No. 1 located in Unit K of Section 35, Township 15 South, Range 36 East, Dean-Devonian Pool, Lea County, New Mexico.

CASE 6415: (Continued from January 3, 1979, Examiner Hearing)

Application of Yates Petroleum Corporation for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp thru Devonian formations underlying the W/2 of Section 20, Township 14 South, Range 36 East, Lea 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 6419:** 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 Lanning JC Well No. 1 located in Unit B of Section 7, Township 18 South, Range 26 East, Eagle Creek Field, Eddy County, New Mexico, to produce gas from the Strawn formation through the casing-tubing annulus and from the Morrow formation through tubing.

CASE 6420: Application of LaRue and Muncy for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Abo formation underlying the NW/4 SE/4 of Section 34, Township 18 South, Range 26 East, Dayton-Abo Pool, 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 6416: (Continued from January 3, 1979, Examiner Hearing)

Application of Anadarko Production Company for special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the Cedar Lake-Morrow Gas Pool, Eddy County, New Mexico, to provide for 320-acre spacing rather than 160 acres. In the absence of objection, this pool will be placed on the standard 320-acre spacing for Wolfcamp and Pennsylvanian gas pools rather than the present 160-acre spacing.

CASE 6390: (Continued from January 3, 1979, Examiner Hearing)

Application of C & E Operators for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down thru the Pictured Cliffs formation underlying the SW/4 of Section 10, Township 30 North, Range 11 West, San Juan 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 6421: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating and extending vertical and horizontal limits of certain pools in Chaves, Eddy, Lea, and Roosevelt Counties, New Mexico:

(a) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Wolfcamp production and designated as the Avalon-Wolfcamp Pool. The discovery well is Maralo, Inc. Hansen Federal Well No. 2 located in Unit O of Section 28, Township 20 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM
Section 28: SE/4

(b) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the Black River-Atoka Gas Pool. The discovery well is HNG Oil Company Bowden 25 Federal Com. Well No. 1 located in Unit I of Section 25, Township 24 South, Range 26 East, NMPM. Said pool would comprise:

TOWNSHIP 24 SOUTH, RANGE 26 EAST, NMPM
Section 25: E/2

(c) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Box Canyon-Strawn Gas Pool. The discovery well is Yates Petroleum Corporation Huber 1A Federal Well No. 2 located in Unit P of Section 15, Township 21 South, Range 21 East, NMPM. Said pool would comprise:

TOWNSHIP 21 SOUTH, RANGE 21 EAST, NMPM
Section 15: S/2

(d) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production and designated as the Cotton Draw-Delaware Pool. The discovery well is Coquina Oil Corporation El Paso Federal Well No. 1 located in Unit K of Section 12, Township 24 South, Range 31 East, NMPM. Said pool would comprise:

TOWNSHIP 24 SOUTH, RANGE 31 EAST, NMPM
Section 12: SW/4

(e) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the East Cottonwood Creek-Atoka Gas Pool. The discovery well is Yates Petroleum Corporation Lizzie Howard HK Well No. 1 located in Unit K of Section 13, Township 16 South, Range 25 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH, RANGE 25 EAST, NMPM
Section 13: W/2

(f) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Yates-Seven Rivers production and designated as the North Custer Yates-Seven Rivers Pool. The discovery well is Gifford, Mitchell & Wisenbaker Amoco State Well No. 1 located in Unit B of Section 36, Township 24 South, Range 35 East, NMPM. Said pool would comprise:

TOWNSHIP 24 SOUTH, RANGE 35 EAST, NMPM
Section 36: NE/4

(g) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the Diamond Mound-Atoka Gas Pool. The discovery well is Northern Natural Gas Company Vandagriff Federal Well No. 1 located in Unit K of Section 1, Township 16 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH, RANGE 27 EAST, NMPM
Section 1: All
Section 2: Lots 1, 2, 7, 8, 9, 10, 15 and 16

(h) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Penton Draw-Morrow Gas Pool, the discovery well is Perry R. Bass Big Eddy Unit Well No. 53 located in Unit G of Section 8, Township 21 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM
Section 8: E/2

(i) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Cherry Canyon production and designated as the Herradura Bend-Cherry Canyon Pool. The discovery well is Eastland Oil Company City of Carlsbad Well No. 1 located in Unit K of Section 29, Township 22 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM
Section 29: SW/4

(j) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the East High Hope-Atoka Gas Pool. The discovery well is Beard Oil Company Hagstrom Well No. 1 located in Unit K of Section 8, Township 17 South, Range 24 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 24 EAST, NMPM
Section 8: W/2
Section 17: W/2
Section 18: All

(k) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Atoka production and designated as the Hume-Atoka Gas Pool. The discovery well is Mewbourne Oil Company State E Com Well No. 1 located in Unit V of Section 6, Township 16 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM
Section 6: S/2

(l) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Loafer Draw-Strawn Gas Pool. The discovery well is Inexco Oil Company Arroyo Federal Well No. 1 located in Unit K of Section 26, Township 21 South, Range 22 East, NMPM. Said pool would comprise:

TOWNSHIP 21 SOUTH, RANGE 22 EAST, NMPM
Section 26: S/2

(m) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Cisco-Canyon production and designated as the Logan Draw Cisco-Canyon Gas Pool. The discovery well is Mesa Petroleum Company Potter Federal Com Well No. 1 located in Unit B of Section 29, Township 17 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM
Section 29: N/2

(n) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the North Loving-Morrow Gas Pool. The discovery well is Cities Service Company Polk A Com Well No. 1 located in Unit B of Section 17, Township 23 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPM
Section 16: W/2
Section 17: N/2

(o) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the North Loving-Strawn Gas Pool. The discovery well is Cities Service Company Polk A Com Well No. 1 located in Unit B of Section 17, Township 23 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPM
Section 17: N/2

(p) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Drinkard production and designated as the Lovington-Drinkard Pool. The discovery well is Getty Oil Company State O Well No. 12 located in Unit J of Section 31, Township 16 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH, RANGE 37 EAST, NMPM
Section 31: SE/4

(q) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the South Millman-Atoka Gas Pool. The discovery well is Hondo Oil and Gas Company Hondo 22 State Well No. 1 located in Unit H of Section 22, Township 19 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 22: E/2

(r) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Premier production and designated as the Pavo Mesa-Premier Gas Pool. The discovery well is Carl A. Schellinger Exxon Federal Well No. 1 located in Unit M of Section 29, Township 16 South, Range 29 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM
Section 29: SW/4

(s) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Penasco Draw-Morrow Gas Pool. The discovery well is Morris R. Antweil Dinkus Com Well No. 1 located in Unit O of Section 20, Township 18 South, Range 25 East, NMPM. Said pool would comprise:

TOWNSHIP 18 SOUTH, RANGE 24 EAST, NMPM
Section 24: E/2

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM
Section 19: All
Section 20: S/2
Section 29: All
Section 30: N/2
Section 32: N/2

(t) EXTEND the vertical limits of the Monument-Tubb Pool in Lea County, New Mexico, to include the Drinkard formation and redesignate said Monument-Tubb Pool as the Monument Tubb-Drinkard Pool.

(u) EXTEND the Blinebry Oil and Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 8: S/2

(v) EXTEND the Southeast Chaves Queen Gas Area in Chaves County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 31 EAST, NMPM
Section 3: S/2

(w) EXTEND the South Empire-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 36: E/2

(x) EXTEND the Jenkins-San Andres Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 35 EAST, NMPM
Section 27: SW/4

(y) EXTEND the Langley-Ellenburger Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 36 EAST, NMPM
Section 21: S/2

(z) EXTEND the Lovington-Queen Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
Section 1: S/2
Section 12: W/2

(aa) EXTEND the South Millman-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 19: S/2

(bb) EXTEND the Penasco Draw-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM
Section 27: W/2
Section 28: All

(cc) EXTEND the South Peterson-Pennsylvanian Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 5 SOUTH, RANGE 33 EAST, NMPM
Section 31: SE/4 SE/4

(dd) EXTEND the Sioux-Yates Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 36 EAST, NMPM
Section 8: N/2
Section 9: NW/4

(ee) EXTEND the Sombrero-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 33 EAST, NMPM
Section 12: W/2

(ff) EXTEND the Tom-Tom San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM
Section 32: SE/4

TOWNSHIP 8 SOUTH, RANGE 31 EAST, NMPM
Section 5: NE/4

(gg) EXTEND the West Tonto-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM
Section 8: W/2

(hh) EXTEND the Tubb Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
Section 6: SW/4
Section 7: NW/4

(ii) EXTEND the North Turkey Track-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
Section 5: N/2

(jj) EXTEND the Wantz-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 34: NE/4

(kk) EXTEND the Warren-Tubb Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
Section 26: SE/4

DOCKET: COMMISSION HEARING - WEDNESDAY - JANUARY 24, 1979OIL CONSERVATION COMMISSION - 9 A.M. - ROOM 205
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases are continued from the December 12, 1978, Commission Hearing.CASE 6231: (DE NOVO) (Continued and Readvertised)

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 State "JM" Well No. 1, a Morrow test to be located 660 feet from the North and East lines of Section 25, Township 18 South, Range 24 East, Eddy County, New Mexico, the N/2 of said Section 25 to be dedicated to the well.

Upon application of Gulf Oil Corporation this case will be heard De Novo pursuant to the provisions of Rule 1220.

CASE 6232: (DE NOVO) (Continued and Readvertised)

Application of Yates Petroleum Corporation for an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Cities "JC" Well No. 1 to be located 660 feet from the South and East lines of Section 13, Township 18 South, Range 24 East, Fordinkus Field, Eddy County, New Mexico, the E/2 of said Section 13 to be dedicated to the well.

Upon application of Gulf Oil Corporation this case will be heard De Novo pursuant to the provisions of Rule 1220.

CASE 6213: (DE NOVO) (Continued and Readvertised)

Application of Morris R. Antweil for an unorthodox location and simultaneous dedication, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of his Rio Well No. 2, a Morrow test to be drilled at a point 660 feet from the North and West lines of Section 29, Township 18 South, Range 25 East, Eddy County, New Mexico, the N/2 of said Section 29 to be simultaneously dedicated to the aforesaid well and to applicant's Rio Well No. 1 located in Unit G of Section 29.

Upon application of Gulf Oil Corporation this case will be heard De Novo pursuant to the provisions of Rule 1220.

Dockets Nos. 5-79 and 6-79 are tentatively set for hearing on February 14 and 28, 1979. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - JANUARY 31, 1979

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

CASE 6422: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Helton Engineering & Geological Services, Inc., Travelers Indemnity Company, and all other interested parties to appear and show cause why the Brent Well No. 1 located in Unit M of Section 29 and the Brent Well No. 3 located in Unit G of Section 19, both in Township 13 North, Range 6 East, Sandoval County, New Mexico, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6415: (Continued from January 17, 1979, Examiner Hearing)

Application of Yates Petroleum Corporation for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp thru Devonian formations underlying the W/2 of Section 20, Township 14 South, Range 36 East, Lea 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 6419: (Continued from January 17, 1979, 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 Lanning JC Well No. 1 located in Unit B of Section 7, Township 18 South, Range 26 East, Eagle Creek Field, Eddy County, New Mexico, to produce gas from the Strawn formation through the casing-tubing annulus and from the Morrow formation through tubing.

CASE 6423: Application of Yates Petroleum Corporation for an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Jackson AT Well No. 9 located 650 feet from the South and West lines of Section 13, Township 17 South, Range 25 East, Eddy County, New Mexico, to test the Wolfcamp, Pennsylvanian, and Mississippian formations, the S/2 of said Section 13 to be dedicated to the well.

CASE 6424: Application of Yates Petroleum Corporation for an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Superior Fed. KJ Well No. 1 located 990 feet from the North and West lines of Section 7, Township 20 South, Range 29 East, Eddy County, New Mexico, to test the Wolfcamp and Pennsylvanian formations, the N/2 of said Section 7 to be dedicated to the well.

CASE 6425: Application of T. B. Knox Estate for exception to Order No. R-111-A, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the casing/cementing rules for the Oil-Potash Area as promulgated by Order No. R-111-A to permit its Lucia Brookes Well No. 2 located in Unit K of Section 14, Township 18 South, Range 30 East, Eddy County, New Mexico, to be completed in the following manner: set surface casing and circulate cement; eliminate salt protection string; and do not circulate cement on production casing.

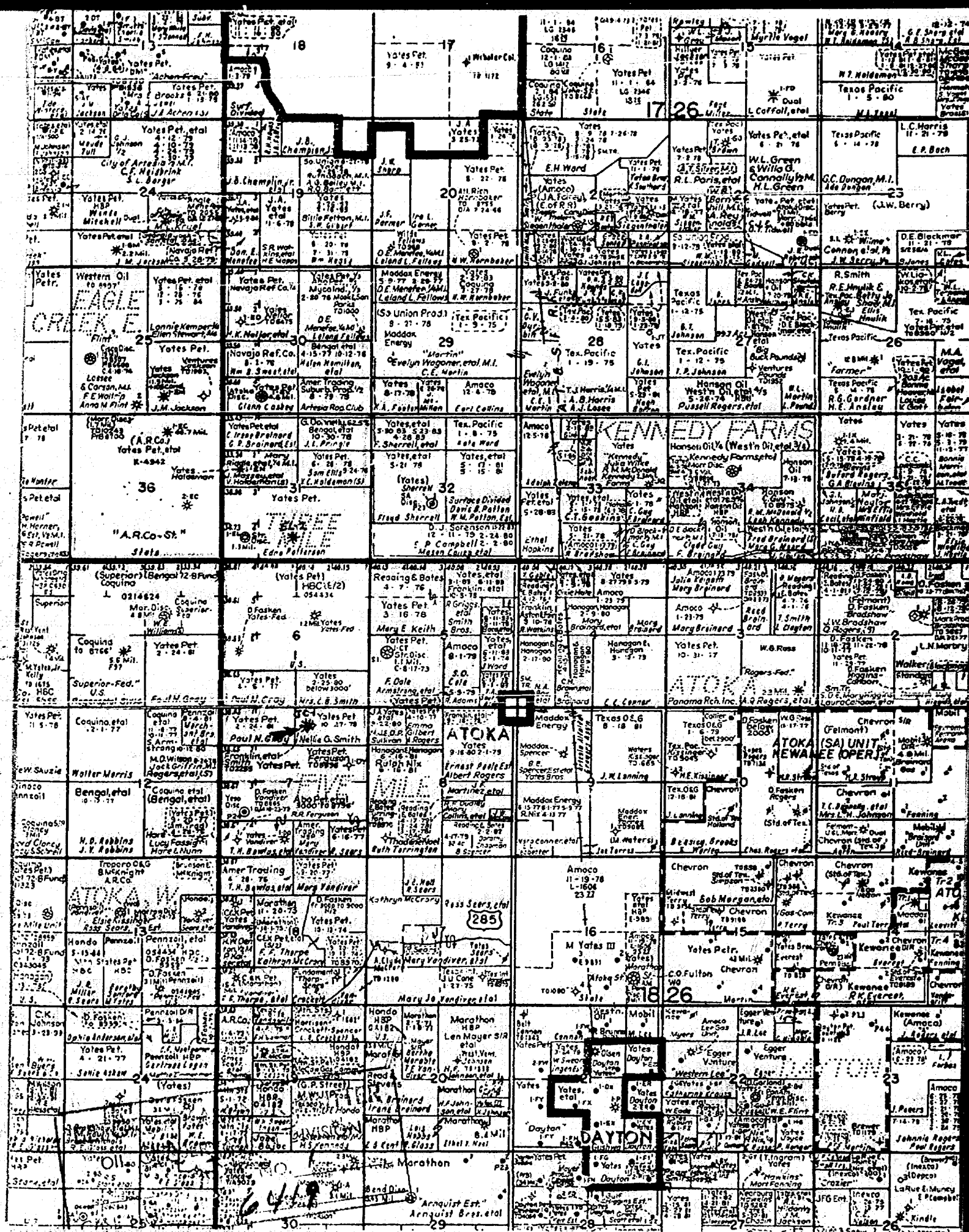
CASE 6426: Application of C. W. Trainer for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be located 660 feet from the North and West lines of Section 24, Township 20 South, Range 32 East, South Salt Lake-Morrow Pool, Lea County, New Mexico, the N/2 of said Section 24 to be dedicated to the well.

CASE 6427: Application of Caribou Four Corners, Inc., for an unorthodox well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Caribou/Kirtland Well No. 1 to be located 1214 feet from the North line and 650 feet from the East line of Section 13, Township 29 North, Range 15 West, Cha Cha-Gallup Pool, San Juan County, New Mexico, the E/2 NE/4 to be dedicated to the well.

CASE 6428: Application of Mobil Oil Corporation for the amendment of Order No. R-5801, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-5801 to delete the requirements for lined tubing in injection wells in the North Vacuum Abo East Pressure Maintenance Project, Lea County, New Mexico.

- CASE 6429: Application of Zia Energy, Inc., for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of its Elliott State Well No. 2 to be located in Unit B of Section 34, Township 20 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well, and further seeks approval of a waiver of existing well-spacing requirements.
- CASE 6430: Application of Phoenix Resources Company for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for its Buckhorn Canyon Unit Area comprising 23,009 acres, more or less, of Federal and state lands in Township 19 South, Ranges 19 and 20 East, Chaves County, New Mexico.
- CASE 6431: Application of HNG Oil Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the N/2 of Section 35, Township 23 South, Range 28 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 6432: Application of John Yuronka for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Langlie Mattix Pool underlying the NE/4 NW/4 and the SE/4 NW/4 of Section 29, Township 24 South, Range 37 East, Lea County, New Mexico, to form two 40-acre units, each 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 wells 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 wells and a charge for risk involved in drilling said wells.
- CASE 6433: Application of Cities Service Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formations underlying the S/2 of Section 8, Township 23 South, Range 28 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 6434: Application of Amerada Hess Corporation for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of its State "O" Well No. 5 to be located in Unit H of Section 30, Township 19 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well, and further seeks approval of a waiver of existing well-spacing requirements.
- CASE 6435: Application of Amerada Hess Corporation for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of its W. A. Weir "B" Well No. 3 located in Unit B of Section 26, Township 19 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well, and further seeks approval of a waiver of existing well-spacing requirements.
- CASE 6436: Application of Amerada Hess Corporation for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of its State "U" Gas Com Well No. 2 to be located in Unit C of Section 32, Township 19 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well, and further seeks approval of a waiver of existing well-spacing requirements.
- CASE 6437: Application of Curtis Little for approval of infill drilling and a non-standard proration unit, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of a well to be located 1085 feet from the South line and 285 feet from the West line of Section 12, Township 28 North, Range 13 West, Basin-Dakota Pool, San Juan County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well. Applicant further seeks rescission of Order No. R-4556 and approval of a 344.36-acre non-standard gas proration unit comprising all of Section 11, and Lot 4 and the SW/4 SW/4 of Section 12 for said well.
- CASE 6438: Application of Caulkins Oil Company for dual completions and downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Breech Well No. 812 located in Unit N of Section 18, Township 26 North, Range 6 West, and its Breech Well No. 224-A located in Unit B of Section 13, Township 26 North, Range 7 West, Rio Arriba County, New Mexico, to produce gas from the Dakota formation through a separate string of tubing and to commingle Chacra and Mesaverde production in the wellbores of said wells.

- CASE 6439: Application of Caulkins Oil Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Mesaverde and Dakota production in the wellbore of its Breech A Well No. 229 located in Unit D of Section 17, Township 26 North, Range 6 West, Rio Arriba County, New Mexico.
- CASE 6440: Application of Caulkins Oil Company for a dual completion and downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Breech F Well No. 8 located in Unit A of Section 34, Township 27 North, Range 6 West, Rio Arriba County, New Mexico, to produce gas from the Pictured Cliffs formation through a separate string of tubing and to commingle Mesaverde and Dakota production in the wellbore of said well.
- CASE 6441: Application of Caulkins Oil Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Pictured Cliffs and Mesaverde production in the wellbore of its Breech F Well No. 12 located in Unit A of Section 35, Township 27 North, Range 6 West, Rio Arriba County, New Mexico.
- CASE 6442: Application of Caulkins Oil Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Pictured Cliffs, Chacra and Mesaverde production in the wellbore of its Breech E Well No. 109 located in Unit M of Section 3, Township 26 North, Range 6 West, Rio Arriba County, New Mexico.
- CASE 6443: Application of Caulkins Oil Company for a dual completion and downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Breech B Well No. 220-R located in Unit B of Section 14, Township 26 North, Range 7 West, to produce gas from the Dakota formation through a separate string of tubing and to commingle Pictured Cliffs, Chacra and Mesaverde production in the wellbore of said well.
- CASE 6444: Application of Caulkins Oil Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Pictured Cliffs, Mesaverde, Chacra and Greenhorn production in the wellbore of its Breech Well No. 224 located in Unit A of Section 13, Township 26 North, Range 7 West, Rio Arriba County, New Mexico.



Diagrammatic Sketch of Proposed Dual Completion, LANNING JC Com No. 1
660/N 2310/E Sec 7-18S-26E, Eddy County, NMex.

Elevation 3417 GR = 3432 KB
 Spudded 9-23-78
 Init Compl. 11-4-78 (Morrow)
 Dual Compl. 12-27-78 (Strawn)

Top of San Andres - 887

Base of Artesian Water - 1224

Top of Strawn @ 8046' KB

Eagle Creek Strawn

STRAWN IPE 30" on 1/2" CL = 269 mcs/d

prod to 1/2" well
 Deep dual down
 whether Strawn
 well prod cond
 or not

Top of Atoka @ 8287' KB

Top of Morrow clastics @ 8516 KB

East Eagle Creek Atoka-Morrow

Morrow IPE 130" on 1/2" CL = 900 mcs/d
 prod cond & treating well

BEFORE

OIL CO. SEC. 7-18S-26E

EXHIBIT NO. 2

6419

Tubing Completion - Morrow
 Casing Annulus Completion - Strawn

17 1/2" hole to 423'
 13 1/2" 48" J55 Csg set @ 423' KB, cement'd
 w/ 300 sr CLC, circulated.

12 1/4" hole to 1329' KB
 8 7/8" 24" J55 Csg set @ 1329' KB, cement'd
 w/ 1160 sr CLC, circulated.

Top of cement @ 7575' KB

Blact joints opposite Strawn Perforations:

Perf 8086-94, 8106-08, 8113-15 2 holes per foot.
 Tota 2000g, 15% DS-30 + N₂
 Ret AA 8086-8115 w/ 12000g. Westn type 20 Acid
 w/ 16 ball-sealers

Sliding Sleeve
 To swab Strawn zone, set Blanking Plug in
 Morrow pkr, open sliding sleeve & swab. For
 dual completion, close sliding sleeve & pull
 blanking plug from Pkr

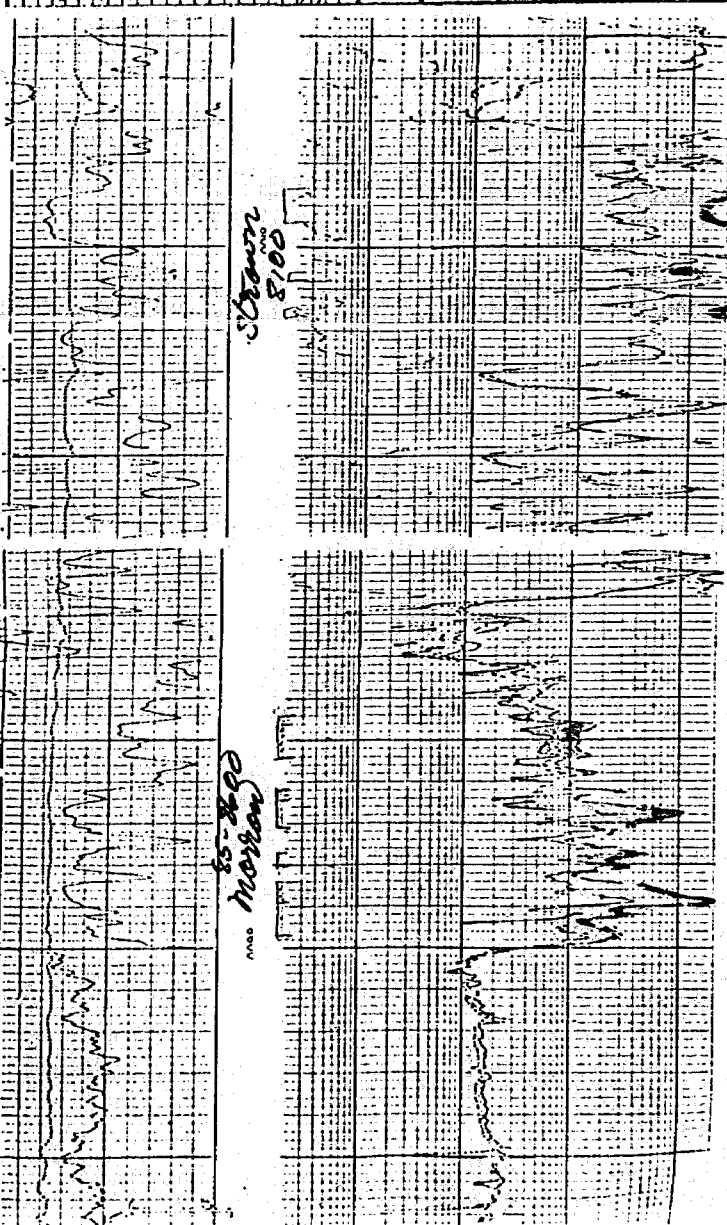
4 1/2" x 2" Guiberson Uni-Vi Pkr to 8486 KB w/ On Off Tool

Perf 8544-54, 8562-71, 8577-80, 8584-97, 2 1/4"
 Tota 3000g, 7 1/2% MSA + N₂ and 80 ball-sealers.
 S. Frac 8544-97 w/ 42000 + 20 1/2" SD in 20000g. MSA

PBTD: 8683'
 4 1/2" 10.5-116" K-55 Csg set @ 8732' KB,
 cement'd w/ 125 sr 1 1/2" + 200 sr CLH
 TD: 8810' KB

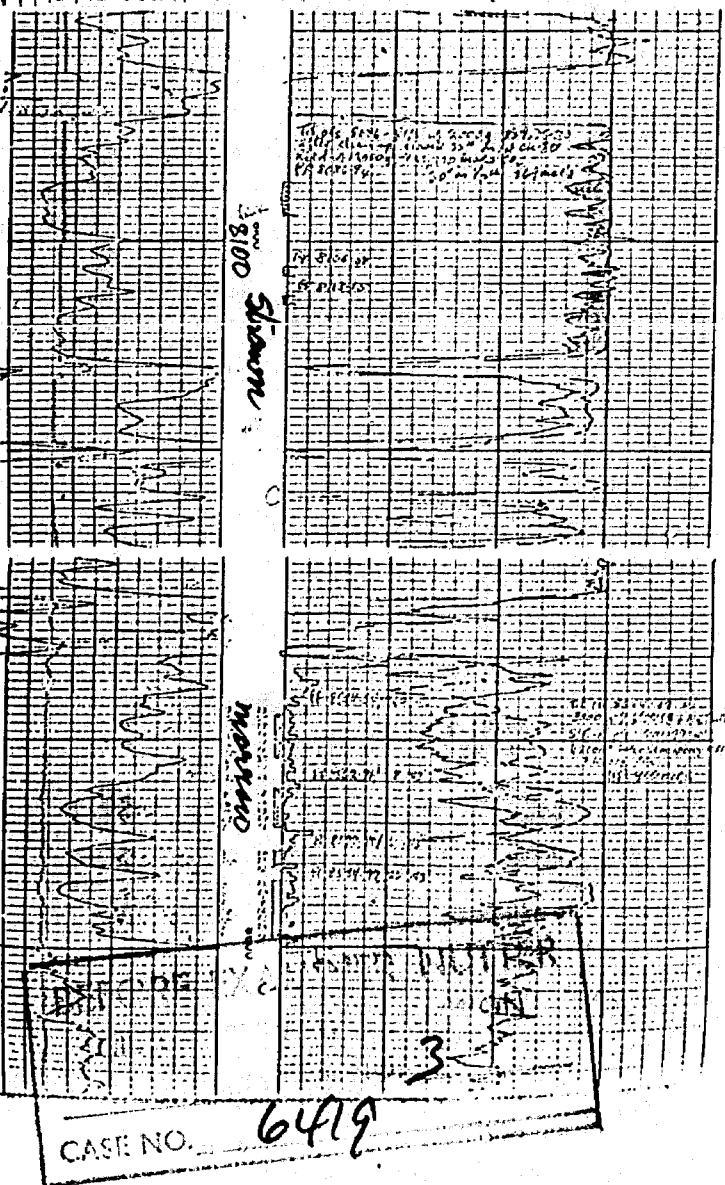
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| WEL <u>Leaning, S.C. Conn. #1</u> | |
| WEL <u>East Eagle Creek</u> | |
| COUNTY <u>Essex</u> | STATE <u>New Mexico</u> |
| FACTORY & SALES OFFICE | |
| DATE <u>7 1953</u> | TIME <u>2:15</u> |
| BY <u>SA</u> | FOR <u>SALES</u> |
| BY <u>SA</u> | FOR <u>SALES</u> |



RECORDING UNIT
 10000-00

| | |
|--|-------------------------|
| COMPANY <u>State Petroleum Corporation</u> | |
| WEL <u>Leaning, S.C. Conn. #1</u> | |
| WEL <u>East Eagle Creek</u> | |
| COUNTY <u>Essex</u> | STATE <u>New Mexico</u> |
| FACTORY & SALES OFFICE | |
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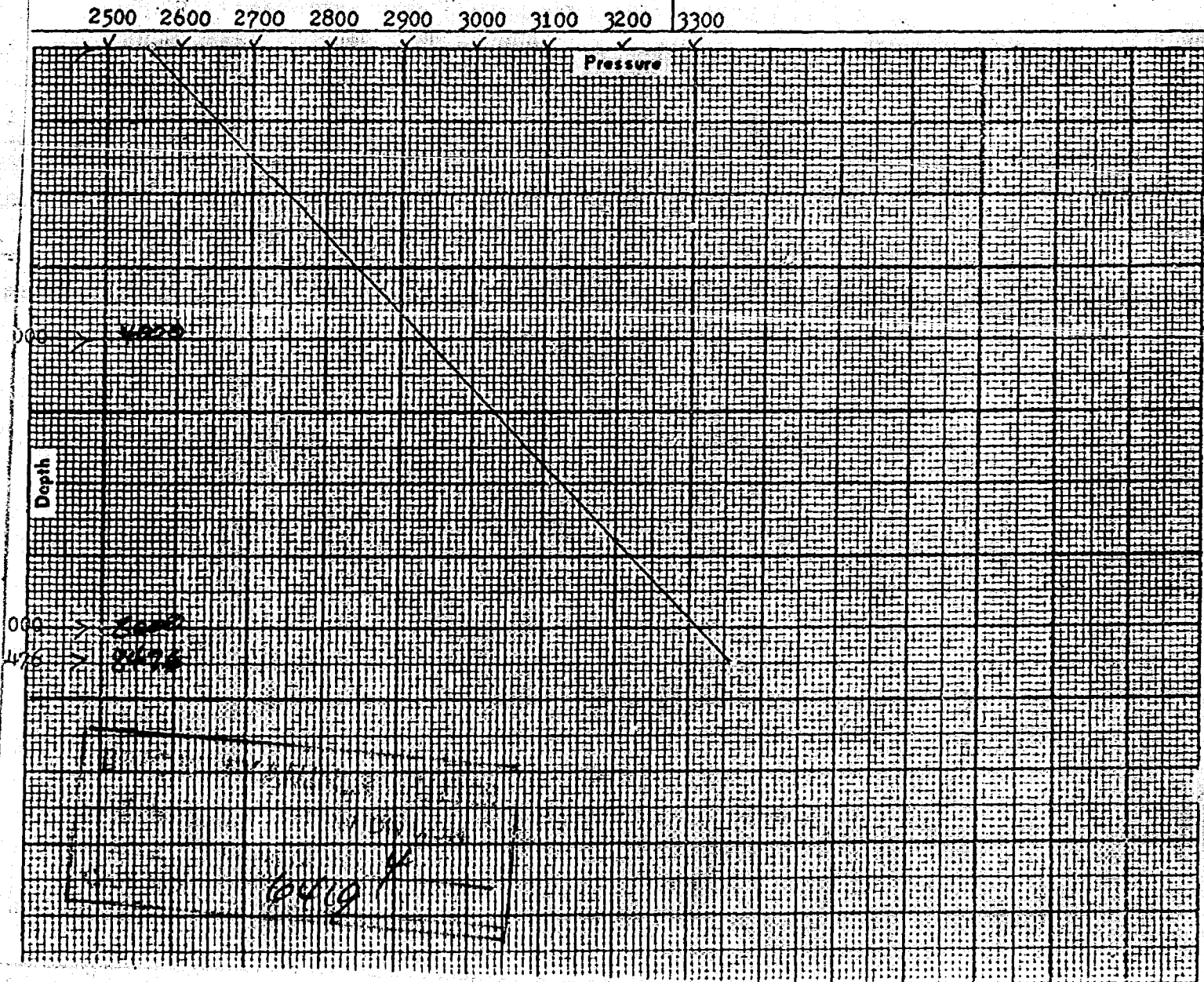
CASE NO. 6419

Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 80210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Pet. Corp.
LEASE Lanning "JC"
WELL NO. 1
FIELD ✓
DATE 12-7-78 TIME
STATUS Shut-in TEST DEPTH 8476 Ft.
TIME S.I. 29 days LAST TEST DATE
CAS. PRES. BHP LAST TEST
TUB. PRES. 2555 BHP CHANGE
ELEV. FLUID TOP None
DATUM WATER TOP
TEMP 148° RUN BY Cathy
CLOCK NO. GAUGE NO.
ELEMENT NO. 41552

| DEPTH | PRESSURE | GRADIENT |
|---------|-----------|--------------|
| | | Lbs. /100Ft. |
| 0 Ft. | 2555 Lbs. | |
| 4000 " | 2922 " | 9.1 |
| 8000 " | 3315 " | 9.8 |
| 8476 " | 3358 " | 9.0 |
| CP 8565 | 3366 | |

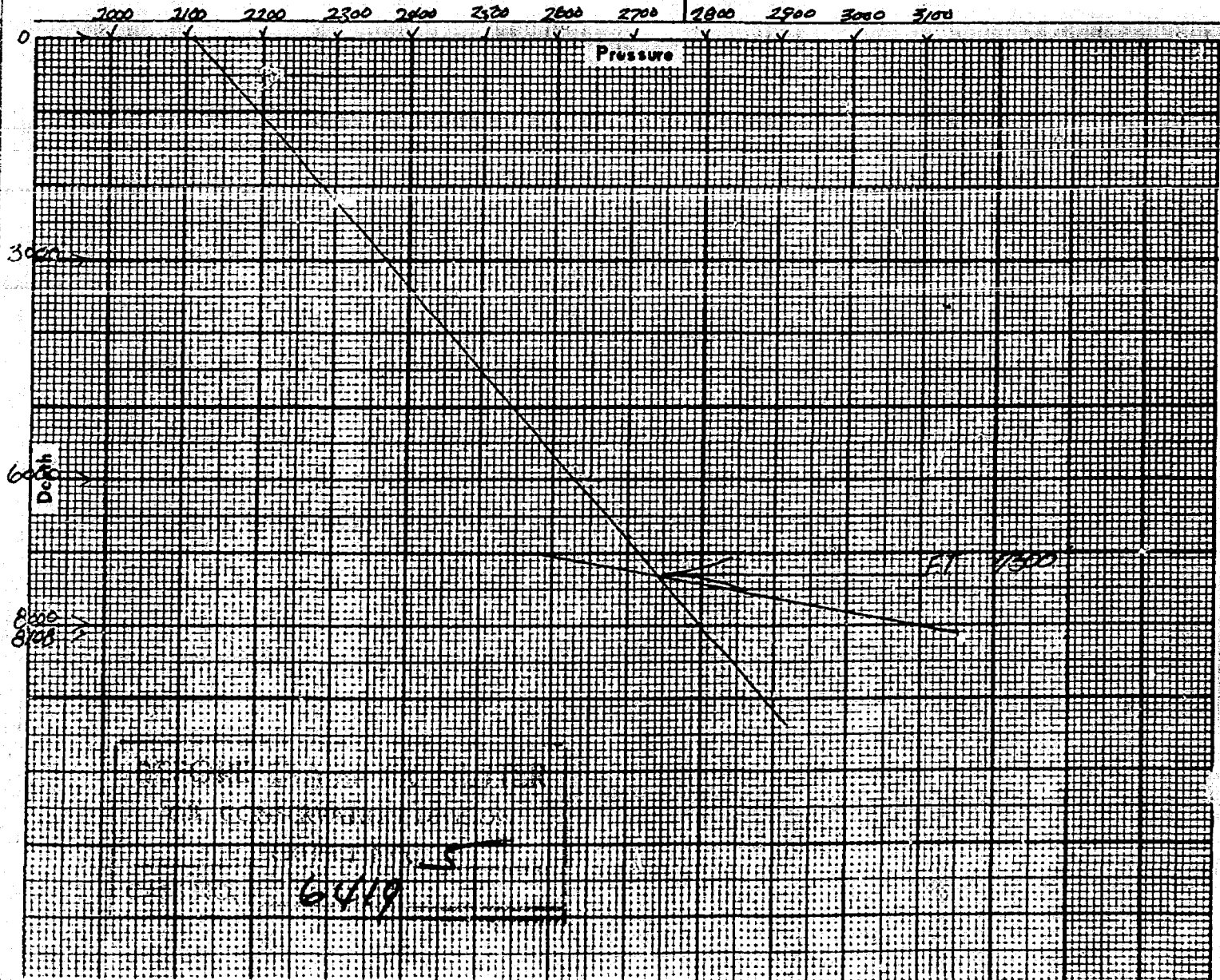


Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 88210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Pet. Corp.
LEASE Lanning "JC" Com.
WELL NO. 1
FIELD _____
DATE 12/27/78 TIME 5:00 A.M.
STATUS Shut-in TEST DEPTH 8108 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2113 BHP CHANGE _____
ELEV. _____ FLUID TOP _____
DATUM _____ WATER TOP 2300 Ft.
TEMP _____ RUN BY Billy Joe Cathey
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 499

| DEPTH | PRESSURE | GRADIENT |
|--------|-----------|---------------|
| | | Lbs. /100 Ft. |
| 0 Ft. | 2113 Lbs. | |
| 3000 " | 2360 " | 8.3 |
| 6000 " | 2650 " | 9.6 |
| 8000 " | 3090 " | 22.0 |
| 8108 " | 3150 " | 55.5 |



[illegible]

Diagrammatic Sketch of Proposed Dual Completion, LANNING JC Com No.1

664/H 2319/E Sec 7-18s-26s, Eddy County, NMex.

Elevation 3417 GR = 3432 KB
Spudded 9-23-78
Init. Compl. 11-4-78 (Morrow)
Dual Compl. 12-27-78 (Strawn)

Top of San Andres - 887

Base of Artesian Water - 1224

Top of Strawn @ 8046 KB

Eagle Creek Strawn

STRAWN IPF - 30" on 1/2" c/c = 249 m/c/d

Top of Atoka @ 8287 KB

Top of Morrow Clastics @ 8516 KB

East Eagle Creek Atoka - Morrow

Morrow IPF 130" on 1/2" c/c = 900 m/c/d

Tubing Completion - Morrow

Casing Annulus Completion - Strawn

17 1/2" hole to 423'

13 3/8" 48" J55 Csg set @ 423 KB, cement'd w/ 300 sr C/C, circulated.

12 1/4" hole to 1329 KB

8 7/8" 24" J55 Csg set @ 1329 KB, cement'd w/ 1160 sr C/C, circulated.

Top of cement @ 7575 KB

Blast joints opposite Strawn Perforations

Perf 8086-94, 8106-08, 8112-15, 2 blks per foot

Totd 2000g, 15% DS-30 + N

Ret'd 8086-8115 w/ 12000g, Wells type 20 Acet w/ 16 ball-sealers

Sliding Sleeve

To swap Strawn zone, set Blanking Plug in Morrow pkr, open sliding sleeve & run. For dual completion, close sliding sleeve & pull blanking plug from Pkr

4 1/2" x 2" Guiberson Uni-Vi Pkr @ 8486 KB w/ On Off Tool

Perf 8544-54, 8562-71, 8572-80, 8584-99, 2 1/4"

Totd 3000g, 7 1/2% MSA + N₂ and 20 ball-sealers

S. Frac 8544-97 w/ 42000 * 20/42 Sd in 20000g MSA

PBTD 8680'

4 1/2" 10.5-116" K-55 Csg set @ 8702 KB,

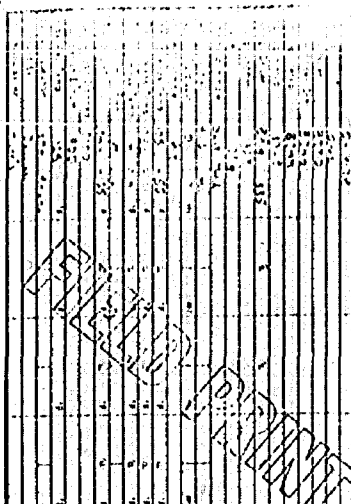
cmtd w/ 125 sr 1/4" + 200 sr CCH

TD: 8810 KB

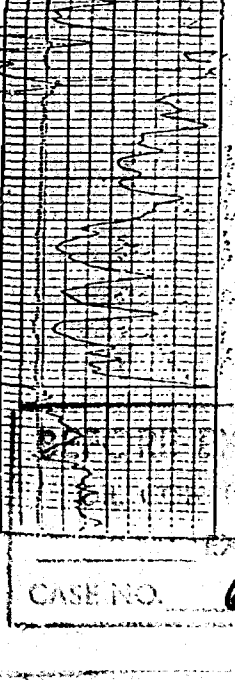
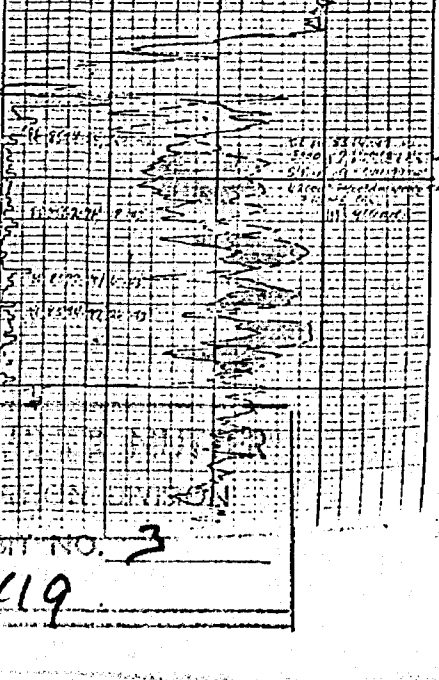
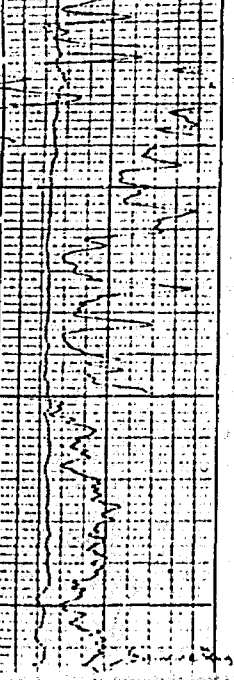
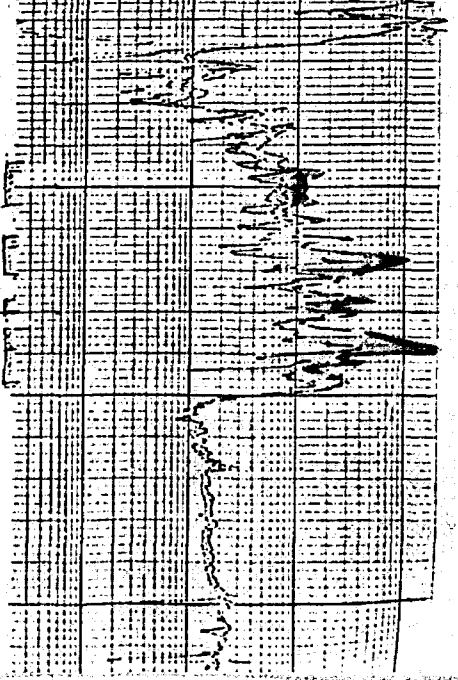
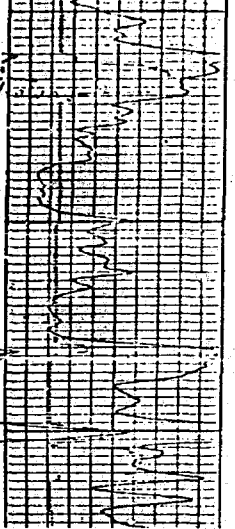
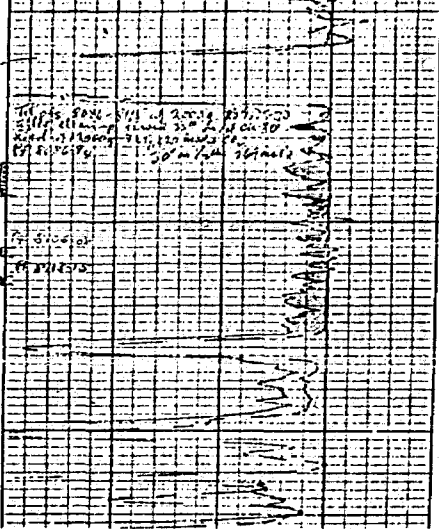
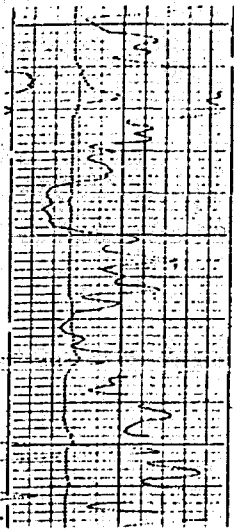
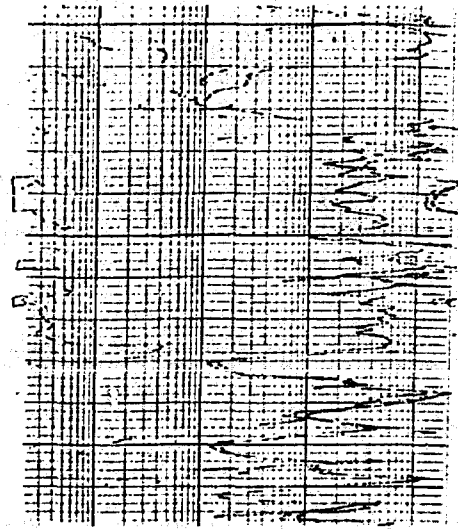
6419

100-100000
 100000
 100000

COMPANY: State Water Corporation
 WELL: San Juan, S. C. 100000
 COUNTY: San Juan
 STATE: San Juan
 DATE: 100000
 TIME: 100000
 LOCATION: 100000
 NAME: 100000
 ADDRESS: 100000
 CITY: 100000
 STATE: 100000
 ZIP: 100000



COMPANY: State Water Corporation
 WELL: San Juan, S. C. 100000
 COUNTY: San Juan
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 DATE: 100000
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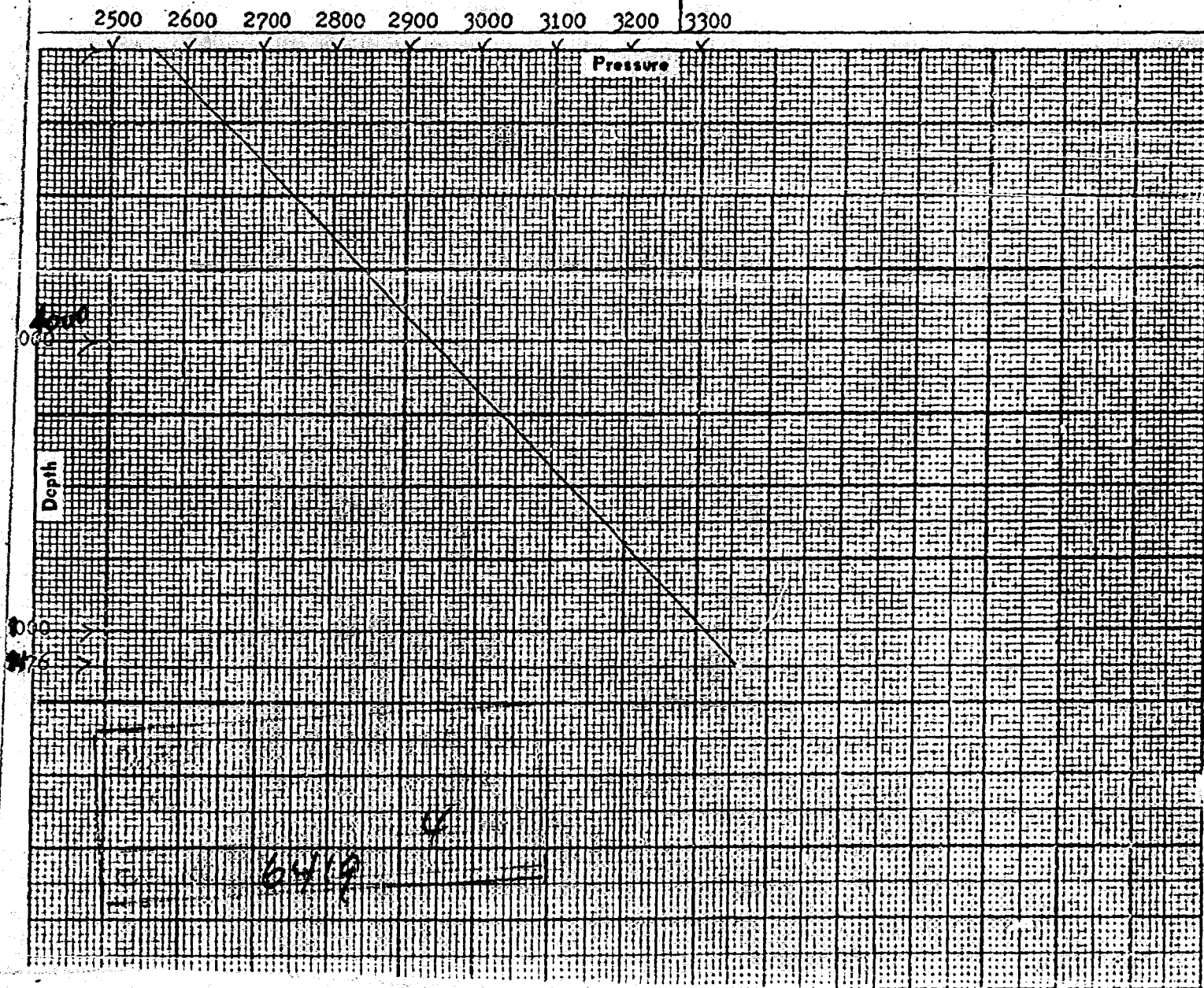
CASE NO. 6419
 SECTION NO. 3

Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746 - 3281
Artesia, New Mexico - 80210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Pet. Corp.
LEASE Lanning "JC"
WELL NO. 1
FIELD
DATE 12-7-78 TIME
STATUS Shut-in TEST DEPTH 8476 Ft.
TIME S.I. 29 days LAST TEST DATE
CAS. PRES. BHP LAST TEST
TUB. PRES. 2555 BHP CHANGE
ELEV. FLUID TOP None
DATUM WATER TOP
TEMP 148° RUN BY Cathey
CLOCK NO. GAUGE NO.
ELEMENT NO. 41552

| DEPTH | PRESSURE | GRADIENT |
|---------|-----------|--------------|
| | | Lbs. /100Ft. |
| 0 Ft. | 2555 Lbs. | |
| 4000 " | 2922 " | 9.1 |
| 8000 " | 3315 " | 9.8 |
| 8476 " | 3358 " | 9.0 |
| CP 8565 | 3366 | |

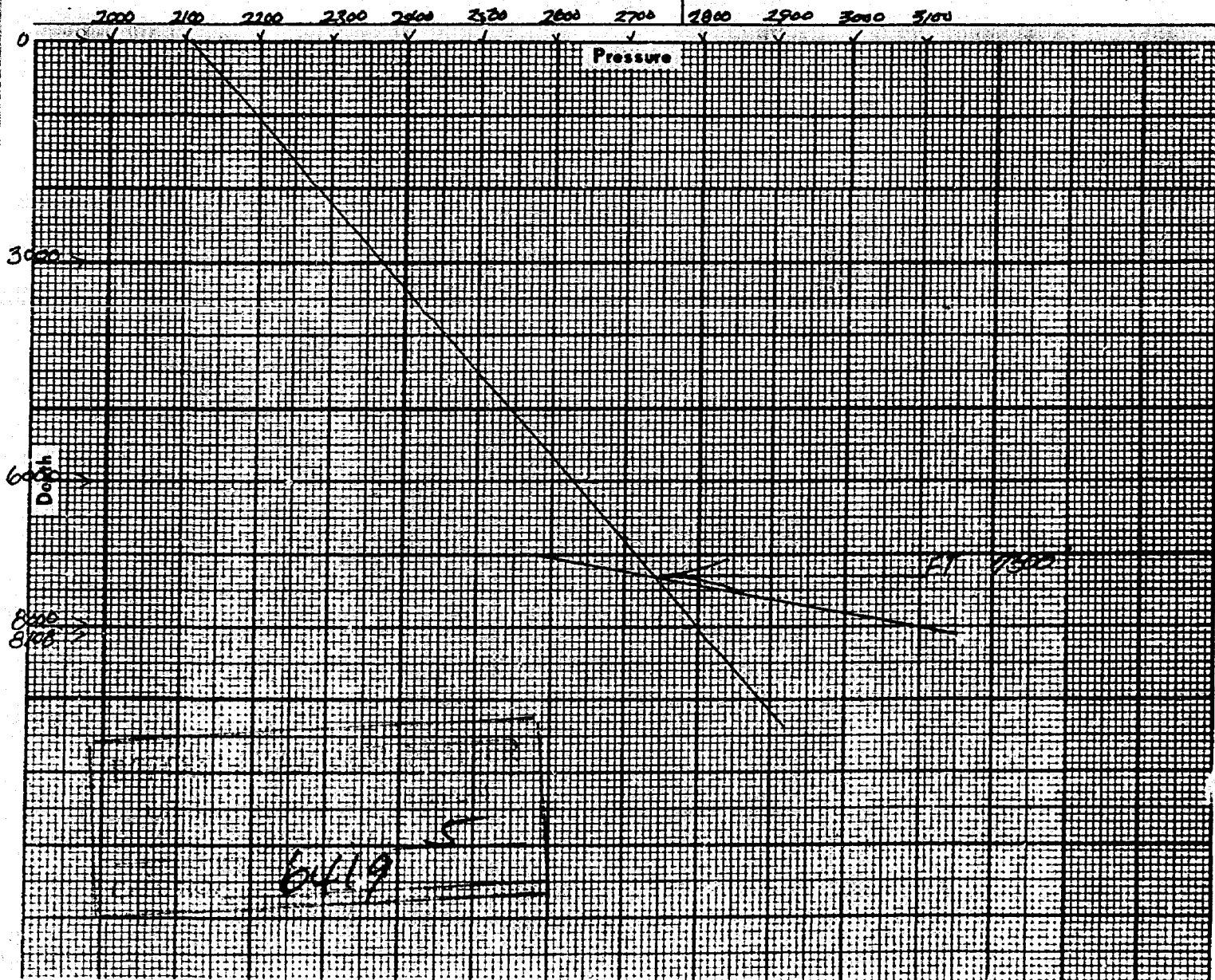


Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 88210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Pet. Corp.
LEASE Lanning "JC" Com.
WELL NO. 1
FIELD _____
DATE 12/27/78 TIME 5:00 A.M.
STATUS Shut-in TEST DEPTH 8108 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2113 BHP CHANGE _____
ELEV. _____ FLUID TOP _____
DATUM _____ WATER TOP 2300 Ft.
TEMP _____ RUN BY Billy Joe Cathey
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 499

| DEPTH | PRESSURE | GRADIENT |
|--------|-----------|---------------|
| | | Lbs. /100 Ft. |
| 0 Ft. | 2113 Lbs. | |
| 3000 " | 2360 " | 8.3 |
| 6000 " | 2650 " | 9.6 |
| 8000 " | 3090 " | 22.0 |
| 8108 " | 3150 " | 55.5 |



[illegible]

Diagrammatic Sketch of Proposed Dual Completion, LANNING JC Com No. 1

660/N 2310/E Sec 7-18-26, Eddy County, N.M.

Elevation 3417 GR = 3432 KB
Spudded 9-23-78
Init Compl. 11-4-78 (Morrow)
Dual Compl. 12-27-78 (Strawn)

Top of San Andres - 887

Base of Artesian Water - 1224

Tubing Completion - Morrow
Casing Annular Completion - Strawn

17 1/2" hole to 423'
13 3/8" 48" J55 Csg set @ 423' KB, cement'd
w/ 300 sr Cl C, circulated.

12 1/4" hole to 1329' KB
8 5/8" 24" J55 Csg set @ 1329' KB, cement'd
w/ 1160 sr Cl C, circulated.

Top of cement @ 7575' KB

Blast joints opposite Strawn Perforations

Perf 8086-94, 8106-08, 8113-15, 2 holes per foot

Tota 2000g, 15% DS-30 + AL

Ret'd 8086-8115 w/ 12000g. Westa Type 20 Acid + AL
w/ 16 ball-sealers

Sliding Sleeve

To swab Strawn zone, set Blanking Plug in
Morrow Pkr, open sliding sleeve & swab. For
dual completion, close sliding sleeve & pull
blanking plug from Pkr.

Top of Strawn @ 8066' KB

Eagle Creek Strawn

STRAWN IPF - 30" on 1/2" ck = 249 msf/d.

Top of Atoka @ 8287' KB

Top of Morrow Clastics @ 8516 KB

East Eagle Creek Atoka-Morrow

Morrow IPF 130" on 1/2" ck = 960 msf/d

4 1/2" x 2" Guiberson Uni-Vi Pkr @ 8486' KB w/ 10000g. AL

Perf 8544-54, 8562-71, 8577-80, 8584-99, 2 1/4"

Tota 3000g, 7 1/2% MSA + AL and 10 ball-sealers.

S-Frac 8544-97 w/ 42000 * 2 1/4" SD in 20000g. MSA

PBTD: 8683'

4 1/2" 10.5-116" K-55 Csg set @ 8702' KB,

cement'd w/ 125 sr 1/4" + 200 sr CPH

TD: 8810' KB

6419

Well - morning 36 Sec - #1

FIELD - End Page 57

2405 W. 6300 E.

170185 26E

Dr. Anne Parr Olson
C1 3417

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0003
1999

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A hand-drawn graph of a periodic function on grid paper. The function is a continuous, wavy line oscillating between approximately $y=1.5$ and $y=4.5$. It has a period of about 2.5 units. The graph is labeled y on the vertical axis and x on the horizontal axis. The function is labeled $f(x)$ near the top right.

6419

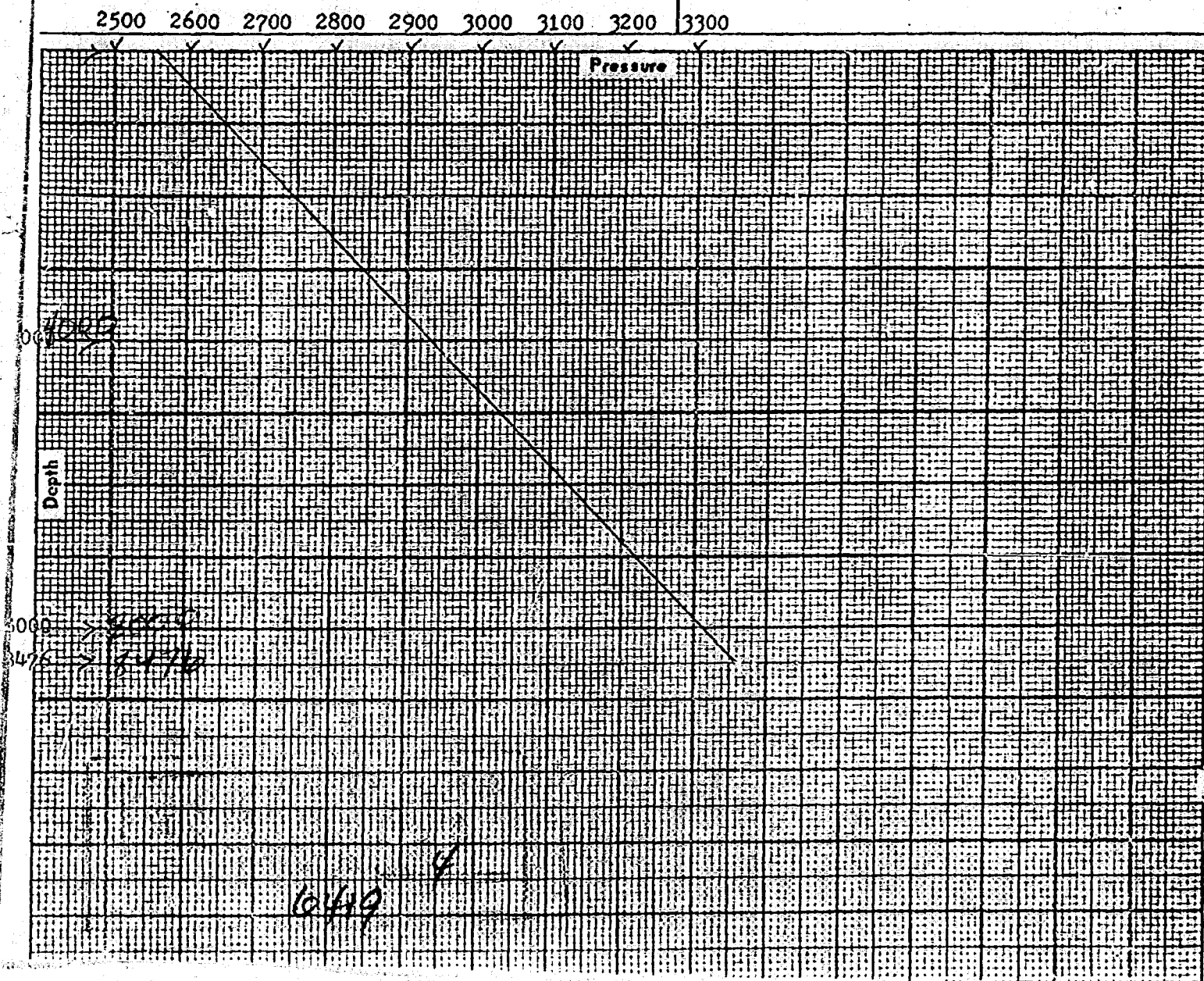
3

Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 80210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Pet. Corp.
LEASE Lanning "JC"
WELL NO. 1
FIELD
DATE 12-7-78 TIME
STATUS Shut-in TEST DEPTH 8476 Ft.
TIME S.I. 29 days LAST TEST DATE
CAS. PRES. BHP LAST TEST
TUB. PRES. 2555 BHP CHANGE
ELEV. FLUID TOP None
DATUM WATER TOP
TEMP 148° RUN BY Cathey
CLOCK NO. GAUGE NO.
ELEMENT NO. 41552

| DEPTH | PRESSURE | GRADIENT |
|---------|-----------|--------------|
| | | Lbs. /100Ft. |
| 0 Ft. | 2555 Lbs. | |
| 4000 " | 2922 " | 9.1 |
| 8000 " | 3315 " | 9.8 |
| 8476 " | 3358 " | 9.0 |
| CP 8565 | 3366 | |

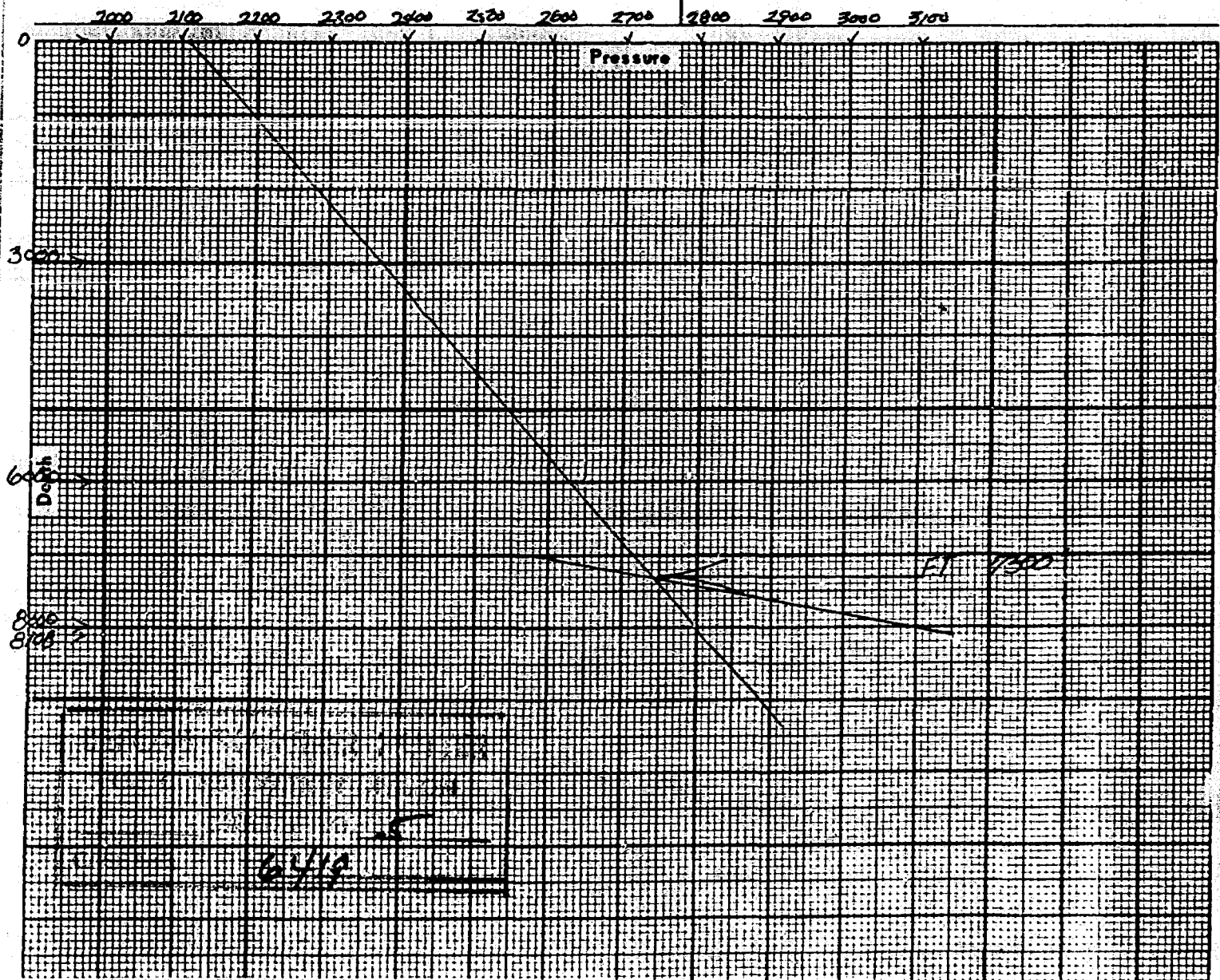


Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 88210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Pet. Corp.
LEASE Lanning "JC" Com.
WELL NO. 1
FIELD _____
DATE 12/27/78 TIME 5:00 A.M.
STATUS Shut-in TEST DEPTH 8108 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2113 BHP CHANGE _____
ELEV. _____ FLUID TOP _____
DATUM _____ WATER TOP 2300 Ft.
TEMP _____ RUN BY Billy Joe Cathey
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 499

| DEPTH | PRESSURE | GRADIENT |
|--------|-----------|---------------|
| | | Lbs. /100 Ft. |
| 0 Ft. | 2113 Lbs. | |
| 3000 " | 2360 " | 8.3 |
| 6000 " | 2650 " | 9.6 |
| 8000 " | 3090 " | 22.0 |
| 8108 " | 3150 " | 55.5 |



DEC 27 1978

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

26 December 1978

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 of an Application of Yates Petroleum Corporation for dual completion of its Lanning "JC" No. 1 Well in Eddy County, New Mexico.

We ask that this case be set for hearing before an examiner on January 17, 1979 and that we be furnished with a copy of the docket for said hearing.

Yours truly,

LOSEE, CARSON & DICKERSON, P.A.


Joel M. Carson

JMC:bjm
Enclosures

cc w/enclosure: Yates Petroleum Corporation

DEC 27 1978

BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF
YATES PETROLEUM CORPORATION FOR DUAL
COMPLETION, EDDY COUNTY, NEW MEXICO

CASE NO. 6419

APPLICATION

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

1. Applicant is the operator of the Pennsylvanian
system underlying:

Township 18 South, Range 26 East, N.M.P.M.

Section 7: N/2

Eddy County, New Mexico

upon which it has drilled its Lanning "JC" No. 1 Well at an
orthodox location.

2. Applicant proposes to dually complete its Lanning
"JC" No. 1 Well to produce gas from the Morrow formation of the
East Eagle Creek Morrow and from the ~~East~~ Eagle Creek Strawn.

3. A diagrammatic sketch of the proposed conventional
dual completion in accordance with Rule 112(a) of the Division
Rules and Regulations is hereto attached; that the mechanics
of the proposed dual completion 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 conventionally dual complete its Lanning "JC" No. 1 Well for the production of gas from the Pennsylvanian formation of the East Eagle Creek Morrow and the East Eagle Creek Strawn.

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

YATES PETROLEUM CORPORATION

By: 

Joel M. Carson

P. O. Drawer 239

Artesia, New Mexico 88210

Attorneys for Applicant

Diagrammatic Sketch of Proposed Dual Completion, LANNING JC Com No.1

669/N, 2310/E Sec 7-18s-26E, Eddy County, N.Mex.

Elevation 3417 GR=3432 KB
Spudded 9-23-78
Init Compl. 11-4-78 (Morrow)
Dual Compl. 12-27-78 (Strawn)

Top of San Andres-887

Base of Artesian Water-1224

Subing Completion - Morrow

Casing Annulus Completion - Strawn

17 1/2" hole to 423'

13 1/2" 48" JST Csg set @ 423' KB, cement'd w/ 300 sx CI-C, circulated.

12 1/4" hole to 1329' KB

8 5/8" 24" JST Csg set @ 1329' KB, cement'd w/ 1160 sx CI-C, circulated.

Top of Strawn @ 8046' KB

Eagle Creek Strawn

STRAWN IPE-30" on 1 1/2" Ck=269 Mcf/d.

Top of cement @ 750' KB

Blast joints opposite Strawn Perforations

Perf 8086-94, 8106-08, 8113-15, 2 holes per foot.

Tota 2000g, 15% DS-30 + K.

Retrd 8086-8115 w/ 12000g. West type 20 Arco, w/ 16 ball-sealers.

Sliding Sleeve

To swab Strawn zone, set Blanking Plug in Morrow pkr, open sliding sleeve & swab. For dual completion, close sliding sleeve & pull blanking plug from Pkr.

Top of Atoka @ 8287' KB

4Kx2 Guiberson Uni-VI Pkr to 8486' KB w/ On Off Tool

Top of Morrow C'astics @ 8516' KB

East Eagle Creek Atoka-Morrow

Morrow IPE 30" on 1 1/2" Ck=900 Mcf/d

Perf 8544-54, 8562-71, 8577-80, 8584-97, 2/H

Tota 3000g, 7 1/2% MSA + H₂ and 80 ball-sealers.

S-Frac 8544-97 w/ 42000 + 20/40 Sd in 20000g. MSA

PBTD 8680'

4 1/2" 10.5-116" KISS Csg set @ 8702' KB,

cmtd w/ 125w/1k + 20000 CPH

TD: 8810' KB

DEC 27 1978

BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF
YATES PETROLEUM CORPORATION FOR DUAL
COMPLETION, EDDY COUNTY, NEW MEXICO

CASE NO.

6419

APPLICATION

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Township 18 South, Range 26 East, N.M.P.M.

Section 7: N/2

Eddy County, New Mexico

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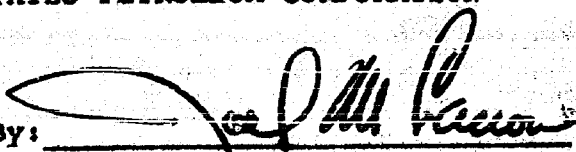
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C. And for such other and further relief as may be just in the premises.

YATES PETROLEUM CORPORATION

By: 

Joel M. Carson
P. O. Drawer 239
Artesia, New Mexico 88210

Attorneys for Applicant

Diagrammatic Sketch of Proposed Dual Completion, LANNING JC Com No. 1
669/N, 2310/E Sec 7-18s-26E, Eddy County, NMex.

Elevation 3417 GR = 3432 KB
 Spudded 9-23-78
 Init. Compl. 11-4-78 (Morrow)
 Dual Compl. 12-27-78 (Strawn)

Top of San Andres - 887

Base of Artesian Water - 1224

Top of Strawn @ 8066' KB

Eagle Creek Strawn

STRAWN IPF - 30" on 1 1/2" C.C. @ 269 msc/d

Top of Atoka @ 8287' KB

Top of Morrow Clastics @ 8516 KB

East Eagle Creek Atoka-Morrow

Morrow IPF 120" on 1 1/2" C.C. @ 900 msc/d

Tubing Completion - Morrow
 Casing Annulus Completion - Strawn

17 1/2" hole to 423'
 13 1/2" 48" J55 Csg set @ 423' KB, cement'd
 w/ 300 sx C.C., circulated.

12 1/4" hole to 1329' KB
 8 5/8" 24" J55 Csg set @ 1329' KB, cement'd
 w/ 1160 sx C.C., circulated.

Top of cement @ 7575' KB

Blast joints opposite Strawn Perforations

Perf 8086-94 8106-08, 8113-15 2 holes per foot
 Total 2000g, 15% DS-30 + N₂
 Ret'd 8086-8115 w/ 12000g. Wells type 20 Acid
 w/ 16 ball-sealers

Sliding Sleeve

To swab Strawn zone, set Blanking Plug in
 Morrow pkr, open sliding sleeve & swab. For
 dual completion, close sliding sleeve & pull
 blanking plug from pkr

4Kx2 Guiberson Uni-Vi Pkr to 8486' KB w/ On Off to

Perf 8544-54, 8562-71, 8577-80, 8584-97, 2/ft
 Total 3000g, 7 1/2% MSA + N₂ and 80 ball-sealers
 S. GRA 8544-97 w/ 12000g + 20/1000 in 20000g. MSA

PBTD 8680'
 4 1/2" 10.5-116" K55 Csg set @ 8782' KB,
 cement'd w/ 1250 lit + 20000 C.C.H.
 TD 8810' KB

DEC 2, 1978

BEFORE THE OIL CONSERVATION DIVISION

OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF
YATES PETROLEUM CORPORATION FOR DUAL
COMPLETION, EDDY COUNTY, NEW MEXICO

CASE NO. 6419

APPLICATION

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

1. Applicant is the operator of the Pennsylvania
system underlying:

Township 18 South, Range 26 East, N.M.P.M.

Section 7: N/2

Eddy County, New Mexico

upon which it has drilled its Lanning "JC" No. 1 Well at an
orthodox location.

2. Applicant proposes to dually complete its Lanning
"JC" No. 1 Well to produce gas from the Morrow formation of the
East Eagle Creek Morrow and from the East Eagle Creek Strawn.

3. A diagrammatic sketch of the proposed conventional
dual completion in accordance with Rule 112(a) of the Division
Rules and Regulations is hereto attached; that the mechanics
of the proposed dual completion 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 conventionally dual complete its Lanning "JC" No. 1 Well for the production of gas from the Pennsylvanian formation of the East Eagle Creek Morrow and the East Eagle Creek Strawn.

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

YATES PETROLEUM CORPORATION

By: 

Joel M. Carlson

P. O. Drawer 239

Artesia, New Mexico 88210

Attorneys for Applicant

Diagrammatic Sketch of Proposed Dual Completion, LANNING JC Com No. 1
660/N 2310/E Sec 7-18S-26E, Eddy County, NMex.

Elevation 3417 GR = 3432 KB

Spudded 9-23-78

Init. Compl. 11-24-78 (Morrow)

Dual Compl. 12-27-78 (Strawn)

Top of San Andres - 887

Base of Artesian Water - 1224

Tubing Completion - Morrow

Casing Annulus Completion - Strawn

17 1/2" hole to 423'

13 1/2" 48" J55 Csg set @ 423' KB, cement'd w/ 300 sz CI-C, circulated.

12 1/4" hole to 1329' KB

8 7/8" 24" J55 Csg set @ 1329' KB, cement'd w/ 1160 sz CI-C, circulated.

Top of cement @ 7575' KB

Blast joints opposite Strawn Perforations:

Perf 8086-94 8106-08 8113-15 2 bls per foot

Total 2000g, 15% DS-30 + N₂

Ret'd 8086-8115 w/ 12000g. Weight type 20 ACU w/ 16 ball-sealers

Sliding Sleeve

To swab Strawn zone, set Blanking Plug in Morrow Pkr, open sliding sleeve & kick. For dual completion, close sliding sleeve & pull blanking plug from Pkr.

Top of Strawn @ 8066' KB

Eagle Creek Strawn

Strawn IPF 30" on 1/2" Ck = 249 mch/d.

Top of Atoka @ 8287' KB

Top of Morrow Clastics @ 8516' KB

East Eagle Creek Atoka-Morrow

Morrow IPF 130" on 1/2" Ck = 980 mch/d

4Kx2 Guiberson Uni-V Pkr @ 8486' KB w/ On Off Tool

Perf 8544-54 8562-71 8577-80 8584-97 2/H

Total 2000g 7 1/2% MSA + N₂ and 80 ball-sealers.

S. Frac 8544-97 w/ 4200g * 20/42 Sd in 2000g. MSA.

PBTD: 8683'

4 1/2" 10.5-116" K55 Csg set @ 8792' KB,

cm'd w/ 125 sz 1/4" + 200 sz CIH

TD: 8810' KB

Called in by Joel Carson

12-26-78

Yates Petroleum Corp.

dual completion (conventional)

N/2 7 - 185-24E

East Eagle Creek - Morrow

Lanning JC No. 1

tubing

produce from Morrow + Strawn (gas)

Casing Annulus w/ crossover

ROUGH

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. 6419

Order No. R- 5928

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

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on
February 14, 1979, at Santa Fe, New Mexico, before
Examiner Daniel S. Nutter.

NOW, on this _____ day of February, 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,
seeks authority to complete its Lanning JC Well No. 1
~~Well No. 1~~, located in Unit B of Section 7, Town-
ship 18 South, Range 26 East, Eagle Creek Field,
NMPM, Eddy
County, New Mexico, as a dual completion (conventional) to
- (combination)
- (tubingless)

oil--
produce gas from the Strawn formation through the casing-tubing
annulus and from the Morrow formation through tubing with

*separation of the zones to be achieved by
means of a packer set at approximately 8486 feet.*

(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 Lanning JC Well No. 1, located in Unit B of Section 7, Township 18 South, Range 26 East, Eagle Creek Field, NMPM, / Eddy County, New Mexico, as a dual completion (conventional) ~~(combination)~~ ~~(tubingless)~~

oil-- to produce gas from the Strawn formation through the casing-tubing annulus and from the Morrow formation through tubing with a gravel pack at approximately 8486 feet.

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

PROVIDED FURTHER, that the applicant shall take Fracture Leakage tests upon completion and annually thereafter during the Annual Shut-In Pressure Test Period for the Morrow formation. ~~not~~

(2) 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.