

R CASE 7130: READ & STEVENS, INC. FOR AN
UNORTHODOX GAS WELL LOCATION AND TWO
NON-STANDARD GAS PRORATION UNITS, CHAVES
COUNTY. NEW MEXICO

CASE NO.

7130

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
14 January 1981

EXAMINER HEARING

IN THE MATTER OF:

Application of Read & Stevens, Inc.,
for an unorthodox gas well location
and two non-standard gas proration
units, Chaves County, New Mexico.

CASE
7130

and

Application of Read & Stevens, Inc.,
for an unorthodox gas well location
and two non-standard gas proration
units, Chaves County, New Mexico.

Case
7131

and

Application of Read & Stevens, Inc.,
for an unorthodox gas well location
and two non-standard gas proration
units, Chaves County, New Mexico.

CASE
7132

and

Application of Read & Stevens, Inc.,
for an unorthodox gas well location
and two non-standard gas proration
units, Chaves County, New Mexico.

CASE
7133

and

Application of Read & Stevens, Inc.,
for an unorthodox gas well location
and two non-standard gas proration
units, Chaves County, New Mexico.

CASE
7134

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

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D. C. WAMBAUGH

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2 MR. STAMETS: We'll call next Case 7130.

3 MR. PADILLA: Application of Read and
4 Stevens, Inc., for an unorthodox gas well location and two
5 non-standard gas proration units, Chaves County, New Mexico.

6 MR. CARR: May it please the Examiner,
7 I'm William F. Carr with the law firm Campbell, Byrd, and
8 Black, appearing on behalf of the applicant.

9 This case and the succeeding cases,
10 through Case 7134, involve the same general area, the same
11 questions, and exhibits are identical in some cases, very sim-
12 ilar in others, and therefor I would request that these cases
13 be consolidated.

14 MR. STAMETS: Is there any objection to
15 consolidation of these cases?

16 Would you like to enter your appearance
17 before we consolidate these?

18 MR. BATEMAN: I'm Ken Bateman of White,
19 Koch, Kelly, and McCarthy, Santa Fe, appearing on behalf of
20 Depco, and I have no objection to consolidation of these
21 cases.

22 MR. STAMETS: You will be appearing in
23 all these cases?

24 MR. BATEMAN: Yes, sir.

25 MR. STAMETS: Okay, let's call these

1
2 cases, 7131, 32, 33, and 34.

3 MR. PADILLA: Application of Read & Ste-
4 vens, Inc., for an unorthodox gas well location and two non-
5 standard gas proration units, Chaves County, New Mexico.

6 And I believe they're all the same, Mr.
7 Examiner.

8 MR. STAMETS: Okay, they do all read the
9 same, so the only difference then is in material we don't
10 normally call, so that -- one call should do it all.

11 And I would like to point out at this
12 time, it appears as though we have an advertising error in
13 Case 7134 with the second non-standard gas proration unit
14 being identified as being in the northeast quarter of Section
15 12 rather than Section 13, and so we will have to re-advertise
16 in Case 7134 but we will accept testimony today.

17 MR. BATEMAN: Mr. Examiner, we would
18 like to make a statement of the case before the testimony.
19 We also have one witness, which we would like to reserve the
20 right to put on testimony, as well.

21 MR. STAMETS: Okay, that would be fine.
22 I'd like all of those who are going to be witnesses or may
23 be witnesses in this case stand and be sworn at this time.
24

25 (Witnesses sworn.)

1
2 MR. CARR: At this time I would call Mr.
3 Bill Aycock.

4
5 WILLIAM P. AYCOCK
6 being called as a witness and being duly sworn upon his oath,
7 testified as follows, to-wit:

8
9 DIRECT EXAMINATION

10 BY MR. CARR:

11 Q Will you state your name and place of
12 residence?

13 A William P. Aycock, Midland, Texas.

14 Q By whom are you employed and in what
15 capacity?

16 A By Read and Stevens, Inc., in connection
17 with the applications in Cases 7130, 7131, 7132, 7133, and
18 7134.

19 Q Mr. Aycock, have you previously testi-
20 fied before this Commission and had your credentials as an
21 expert witness in petroleum engineering accepted and made a
22 matter of record?

23 A Yes, sir, I have.

24 Q Are you familiar with each of the appli-
25 cations filed on behalf of Read & Stevens in these consoli-

1
2 dated cases?

3 A. Yes, sir, I am.

4 Q. Are you familiar with the wells involved
5 in each of these cases?

6 A. Yes, sir, I am.

7 MR. CARR: Are the witness' qualifica-
8 tions acceptable?

9 MR. STAMETS: They are.

10 Q. Will you briefly state what Read &
11 Stevens, Inc., is seeking with these applications?

12 A. In each case Read & Stevens, Inc., is
13 seeking an unorthodox gas well location in a 320-acre tract
14 that is presently assigned to a producing gas well. We are
15 seeking the division of the proration units with the assign-
16 ment of 160 acres to the existing well and 160 acres to the
17 proposed well in each of Cases 7130 through 7134.

18 Q. Will you briefly summarize the events
19 which have preceded this hearing concerning Read & Stevens
20 applications and plans to develop this area?

21 A. In excess of one year ago Mr. Stevens
22 contacted me and asked me if I would be in a position to per-
23 form a comprehensive study of the Buffalo Valley Field for
24 him, and he asked for an outline of my opinion as to how the
25 study might proceed and what data might be required.

1
2 I furnished him an outline of the alter-
3 nate ways in which I thought the study could proceed and the
4 bases that would be required for the study, and within a rela-
5 tively short time he commissioned me to proceed and the study
6 took approximately six months and covered an analysis of all
7 of the producing wells -- well, first it covered the accumula-
8 tion of a copy of all those files in the Artesia District
9 Office that pertained to all of the wells shown on this map,
10 whether dry holes or producing wells, that penetrated the
11 reservoirs that are assigned to the Buffalo Valley Penn Pool.

12 Then it required a complete analysis of
13 the performance of each of the producing wells with the at-
14 tempt to determine whether they definitively were or were not
15 producing from common reservoirs and whether the performance
16 appeared to be related either with pressure or production
17 anomalies.

18 We performed that study and it took about
19 seven months to do, and it was reviewed with Phillips Petro-
20 leum in August of 1980, as they are the purchaser of the gas
21 from the Read & Stevens wells in the Buffalo Valley Penn Pool.
22 It was the subject of a morning-long complete staff review
23 with everybody on the staff that would be concerned, both ex-
24 ploration and production professionals in the Odessa office
25 of Phillips Petroleum.

1
2 We also proceeded to contact all of the
3 operators in the field and a meeting was set up for December
4 15th, 1980, which was attended by representatives of all
5 operators with the exception of Husky Oil Company.

6 The request for attendance was provided
7 each operator, both by telephone and by certified letter, so
8 that there is no question but that everyone had an opportunity
9 to attend, and we have an attendance list signed by each of
10 the attendees, which shows that a representative of each
11 operator was present, with the exception of Husky Oil Company.

12 At the time of this meeting, Mr. Wam-
13 baugh and I -- who will be the other witness on behalf of
14 Read & Stevens -- reviewed the work that had been done by us
15 over this period of time and what our conclusions were and
16 what Read & Stevens' plans were in calling these hearings
17 before the Commission.

18 I would say that with the exception of
19 Depco, all of the operators evidenced either strong support
20 or mild support for these -- the calling of these hearings
21 and the request for these non-standard -- these unorthodox
22 locations and the assignment of the non-standard proration
23 units, after we had presented the data that we had accumulated
24 and the results of our analyses.

25 Last week, the week before last, the --

1
2 all the operators were furnished in writing by us with certi-
3 fied letters, a reminder that these hearings had been called
4 and would be -- were docketed and would be put on at this
5 time, and we requested that those operators who were so inclined
6 to contact the Commission and either state their support or
7 non-opposition in all cases where they felt inclined to do
8 so.

9 We had indications from several of the
10 operators that they would be willing to do this. We do not
11 know whether they contacted the Commission or not. We at-
12 tempted to poll them by telephone and the results of our
13 poll were indeterminant.

14 We had no opposition other than Depco
15 expressed once again, but the willingness to contact the Com-
16 mission either expressing support or -- or a lack of opposi-
17 tion to these applications, was not forthcoming.

18 Q Mr. Aycock, would you briefly summarize
19 the existing spacing requirements for wells in this area?

20 A In the Buffalo Valley Pool rules, under
21 well location and acreage requirements, Rule 2 states,
22 "Each well completed or recompleted in the Buffalo Valley
23 Pennsylvanian Gas Pool shall be located in a northwest
24 quarter or the southeast quarter of the section and shall be
25 located no nearer than 990 feet to the outer boundary of the

1
2 quarter section nor nearer than 330-feet to any governmental
3 quarter quarter section line; provided, however, that any
4 well drilling to or completed in said pool on or before Octo-
5 ber 21st, 1962, is hereby exempted from the requirements of
6 this rule."

7 Then Rule 5(A) states that, "Each well
8 completed or recompleted in the Buffalo Valley Pennsylvanian
9 Gas Pool shall be located on a standard proration unit con-
10 sisting of any two contiguous quarter sections of a single
11 governmental section being a legal subdivision (half section)
12 of the United States Public Land Surveys. For purposes of
13 these rules a standard proration unit shall consist of 316
14 through 324 contiguous surface acres."

15 Rule 5(C) states that, "The Secretary-
16 Director shall have the authority to grant an exception to --
17 the previous -- "Rule 5(A) without notice and hearing where
18 an application has been filed in due form and where the un-
19 orthodox size or shape of the tract is due to a variation in
20 the legal subdivision of the United States Public Land Surveys
21 or where the following facts exist and the following provi-
22 sions are complied with:

23 (1) The non-standard unit consists of"
24 a contiguous quarter sections or lots.

25 The non-standard unit lies wholly within

1
2 a single governmental section.

3 The entire non-standard unit may be
4 reasonably presumed to be productive of gas from the Buffalo
5 Valley Pennsylvanian Gas Pool.

6 The applicant presents written consent
7 in the form of waivers from all offset operators and from all
8 operators owning interests in the section in which any part
9 of the non-standard unit is situated and which acreage is not
10 included in said non-standard unit.

11 And it further provides in lieu of para-
12 graph 4, which is the paragraph immediately preceding, the
13 applicant may furnish proof of the fact that all of the offset
14 operators were notified by registered or certified mail of
15 his intent to form such non-standard unit. The Secretary-
16 Director may approve the application if, after a period of
17 30 days, no such operator has entered an objection to the
18 formation of such non-standard unit.

19 Q. Mr. Aycock, will you now refer to Read
20 & Stevens, Inc.'s Exhibit Number One and explain to Mr. Stamets
21 what it is and what it shows?

22 A. Exhibit Number One is a land plat of the
23 area, the entire Buffalo Valley-Penn Field, which also shows
24 the locations that have been requested in Cases 7130 through
25 7134 by red dots.

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2 MR. CARR: Mr. Stamets, a copy of this
3 exhibit has been posted on the wall immediately to your left.

4 A. It also shows initially measured surface
5 and sub-surface pressures with the dates for each of the
6 wells for which such information is available, and I call
7 Mr. Stamets' attention to the fact that there's a legend in
8 the lower righthand corner which points out that immediately
9 below each of the well locations there is drill stem test
10 pressure with the date and the final subsurface pressure indi-
11 cated, and below it the Form C-122 date with both the surface
12 and subsurface pressures if they are included on the C-122,
13 which in many cases you will note that they have been, so
14 that you're able to ascertain at what dates the wells both
15 immediately adjacent to the proposed locations and throughout
16 the pool area were completed and the pressures that have been
17 reported.

18 I would call Mr. Stamets' attention to
19 the fact that there is generally a considerable variation in
20 pressures even though in many cases the dates at which the
21 pressures were taken are -- are near chronologically speaking,
22 and converse to that, in some cases far distant, there is no
23 consistent variation which would cause us to conscientiously
24 be able to tell this Commission that we can prove either that
25 there is excellent pressure communication or that there is

1
2 a lack of any pressure communication.

3 This belief will be further substantiated
4 by other exhibits to be presented, and in fact, Mr. Stamets,
5 the reason for the recommendation to Read & Stevens of these
6 locations is because there is, in our opinion, no consistency
7 that would enable one to make a rational decision as to
8 whether any communication, some communication, or no commun-
9 ication actually exists because of the quality and the quant-
10 ity of the data that are available for analysis.

11 Q Mr. Aycock will you identify for the
12 record each of the non-standard proration units for which
13 approval is sought in this hearing?

14 A Well, for Section 1 in Township 15 South
15 Range 27 East, the non-standard proration units requested
16 are the northeast quarter of Section 1 for a proposed well,
17 and the southeast quarter of Section 1 to the existing Read
18 & Stevens State Trobaugh No. 1.

19 In Section 12, Township 15 South, Range
20 27 East, the non-standard proration units in the east half
21 are the northeast quarter to be assigned to a proposed well
22 which is the subject of this application, and the southeast
23 quarter, which is to be assigned to the Read & Stevens No. 1-A
24 Trobaugh State Communitized.

25 In the west half of Section 12, the

1
2 non-standard proration units are the northwest quarter to be
3 assigned to the Read & Stevens No. 1 Hurd U.S., and the
4 southwest quarter to be assigned to a proposed well, which is
5 the subject of these applications.

6 And in Section 13, Township 15 South,
7 Range 27 East, the non-standard proration units are the
8 northeast quarter to be assigned to a proposed well that is
9 the subject of these applications, the southeast quarter,
10 which is -- which -- the request is to be assigned to the
11 Read & Stevens No. 1 Rose Federal, the northwest quarter to
12 be assigned to the Read & Stevens No. 1 Langley, and the
13 southwest quarter to be assigned to a proposed well that is
14 the subject of these applications.

15 In all there are five locations and ten
16 non-standard proration units encompassing both the requested
17 locations and the acreage to be assigned to the existing
18 wells.

19 Q Will you now refer to Read & Stevens
20 Exhibit Number Two and review the data contained thereon?

21 A Exhibit Number Two is a graph of subsur-
22 face pressure, initially observed subsurface pressure as a
23 function of time for all of the wells in the Buffalo Valley
24 Pool. This is a complete summary of all the data that we
25 were able to extract from the Commission's files.

1
2 And I will call Mr. Stamets' attention
3 to the following facts:

4 Number one, there is a substantial varia-
5 tion for several of those wells, notably being the Buffalo
6 Valley Com No. 2, the Langley Com No. 1, the State Com No. 1,
7 and the Mewbourne State 25 No. 1, which are in the years
8 respectively, 1969, 1973, 1974, 1975, and 1979. The rest of
9 the initially measured pressures, while they are not in close
10 agreement, are within basically the range of between 2600
11 and 3400 and -- roughly 3500 psi, that has prevailed since
12 the initial pressures were reported to the Commisaion back in
13 1967.

14 Our interpretation of this data is that
15 it indicates strongly that there is no systematic, large-scale
16 pressure communication throughout the field because of the
17 variation with regard to both time for adjacent wells and the
18 fact that the initially reported pressures have generally
19 been within a narrow range as compared to the total range of
20 pressures that has been reported to the Commission.

21 Q Mr. Aycock, will you now refer to Exhibit
22 Number Three and review this for the Examiner?

23 A Exhibit Number Three is a graph of
24 measured subsurface pressures as a function of time for only
25 those wells that are located in the vicinity of the sections

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2 in which the proposed locations are to be located, and I
3 think in general the observations that have been referred to
4 in Exhibit Two would apply here with the exception of three
5 pressures. All of the pressures that have been reported for
6 these wells lie between, roughly, 2700 pounds and 3500 pounds
7 with the exception of the two pressures in 1970 that apply
8 to the Clements No. 1 and to the Midwest No. 1, and the two
9 pressures in 1973, the latter part of 1973, you'll notice
10 that there are two pressures applying to the Langley 1, and
11 they're greatly at variance with regard to the date on which
12 they were reported.

13 I would have to conclude that the --
14 the pressure down in the range of 2200 pounds probably re-
15 flects incomplete buildup since it reflects a drastic change
16 within a period of a month from the previously reported pres-
17 sure, which is 3250 pounds.

18 And then there is a low one -- what ap-
19 pears to be an anomalously low pressure for the Federal Gas
20 Com 1-11 in 1973, which is a year later than the previous
21 one, but which is about 700 pounds lower and would appear to
22 probably be an anomalous pressure reflecting either incom-
23 plete buildup or the presence of fluid in the wellbore, well,
24 incomplete buildup in this case, since these are measured
25 subsurface pressures.

Q Will you now review Exhibit Four for the Examiner?

A. Exhibit Number Four, and you will pardon my drafting, because what I have done is to superimpose upon the lines that connect all the pressures chronologically, colored lines which show the performance of each well. This is not -- this is not on any of the other copies but the one that I've -- that I gave to you, and it was so that you could see the -- what I consider to be the lack of consistency other than the overall trend is down.

You have pressures bouncing around everywhere in there, reflecting a combination of unknown conditions and the only thing I can tell you is that after 1975 these being surface pressures, that the trend is -- the pressures are lower but the amount of decline as a function of time for those pressures is much less than was apparent prior to that time. And I would have to conclude that many of these represent not only incomplete buildup but probably the occurrence of fluid within the wellbores adversely affecting the -- giving lower than actual values of the surface pressure, which would, of course, lead to an erroneous calculation if that were used as a basis for computing the subsurface pressure without a measurement to check it.

Once again, I think any sort of case

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2 that one might care to make almost, within limits, could be
3 made from the pressures that are presented here as present
4 throughout the field.

5 Other than the fact that from 1973 on
6 the pressures reported are decidedly lower and declining,
7 and prior to that time there was a tremendous amount of varia-
8 tion, but they -- what was reported did not appear to have
9 any consistent trend, would be the only observations that I
10 could make with objectivity.

11 Once again, this is provided to illustrate
12 to you the apparent degree of disagreement and confusion that
13 results from an attempt to make a reservoir analysis either
14 with the anticipation that the wells are draining common --
15 or draining a single reservoir with a common source of supply,
16 or that they are effectively isolated from one another, and
17 draining individual reservoirs.

18 Q. Mr. Aycock, will you now refer to Read
19 & Stevens Exhibit Number Five and review the data contained
20 thereon?

21 A. Exhibit Number Five, Mr. Stamets, is a
22 tabulation of initially measured pressures as extracted from
23 the Commission's files and in some cases from the completion
24 reports that include the summary of the drill stem tests,
25 and you'll note that we had it summarized by operator by date

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2 so that it can be followed and show that it is the substan-
3 tiation for the pressure information that has been presented
4 to you.

5 And if you'll follow that on over, the
6 very last page is a summary of all of the data for all of the
7 wells in the pool, including the location, completion date,
8 completion interval, the date of the Form C-122 test with
9 all the pertinent technical parameters extracted therefrom.
10 It is also by log interpretation, including porosity, connate
11 water, pay thickness, original gas in place in MMCF per acre,
12 estimated effective permeability, as derived from analysis
13 of the C-122 test results, the cumulative production, as of
14 January 1st, 1980, which is wrong, it should be January 1st,
15 1981, and I apologize for the error. We don't ever seem to
16 be able to get our years straight. And the estimated origi-
17 nal gas in place as extracted from the best extrapolations
18 that we were able to make of a graph of the ratio between
19 calculated or measured subsurface pressure with the consistent
20 Z factor as a function of cumulative gas production, and the
21 estimated gas recovery factor, which was arrived at by ex-
22 trapolation of the performance to an economic limit of 1000
23 Mcf per month, as compared to the estimated original gas in
24 place from the BHP/Z cum gas graphs.

25 Q

Now, Mr. Aycock, will you briefly sum-

1
2 marize the general conclusions you can draw from the data
3 you've seen?

4 A. The general conclusions that I would
5 draw in an attempt to be objective about the data are that
6 there is probably little doubt that there is some degree of
7 pressure communication between some of the wells, but there
8 is considerable doubt that there is effective or widespread
9 pressure communication between the -- between all of the wells
10 either throughout the field or within the immediate area of
11 the locations that are the subject of these applications.

12 It is for this reason that Mr. Wambaugh
13 and I recommended these locations, partially. The other reason
14 being that as will be substantiated by his testimony, which
15 is to follow mine, that an attempt at a strict geological
16 correlation of the zones in which the various wells are com-
17 pleted is sometimes possible and is sometimes not objectively
18 possible; therefor, leading to the conclusion that in many
19 cases the -- these are lenticular type sands with a probable
20 limited area of commercial quality, leading us to believe
21 that not only is there -- is there ineffective drainage of
22 the wells or the reservoirs in which the existing wells are
23 completed in many cases, but there is also probably -- there
24 are probably lenticular sands that have not been penetrated
25 and have not been tested and as a consequence are unknown at

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2 this time. And in addition to that fact, as will become
3 apparent, there are numerous zones that have been penetrated
4 by the existing wells in which there either has been no --
5 no test at all or an indefinite test and from which there
6 has been no commercial production to date.

7 For all of these reasons, it was our
8 recommendation to Read & Stevens that infill drilling should
9 be tried because of these -- of the combination of all of
10 these factors, with the thought that there are probably very
11 substantial unknown and commercially undedicated reserves
12 that exist in the Buffalo Valley-Penn Pool.

13 Q Mr. Aycock, will granting this applica-
14 tion, and development of the Buffalo Valley under greater
15 well density than is presently allowed, will this result in
16 the recovery of additional hydrocarbons that otherwise would
17 be left in the ground?

18 A If the suspicions that we have from the
19 attempts that we've made to analyze the existing data are
20 correct, there is no question in my mind that the additional
21 wells will lead to increased gas recovery.

22 If these suspicions are totally false,
23 then that would not be true. The probabilities are that the
24 suspicions are neither totally true nor totally false, but
25 partially, and to what degree they are, I don't believe that

1
2 is determinable from the quality and quantity of data that ---
3 that we have now. I think due to the fact that some of the
4 wells are already effectively drilled on 160-acre spacing,
5 as you will notice, even though 320-acres are assigned to
6 them, the fact that the proration units have been run in both
7 a north/south and east/west direction leads to the fact that
8 we have numerous wells that are already completed on 160-acre
9 spacing, and the same general conclusions apply to the data
10 extracted from those wells completed at locations that are
11 essentially on 160-acre spacing as those that are on 320-acre
12 spacing, I would have to say that this reinforces the con-
13 clusion that no definitive determination of what degree of
14 effective drainage is taking place either at specific loca-
15 tions or throughout the field is -- is possible in a defini-
16 tive fashion. Someone is going to have to take the risk to
17 determine what --- whether these suspicions are true or not.

18 And I think in addition to that, all of
19 industry's general experience with stratigraphically con-
20 trolled reservoirs of this type indicates that much denser
21 ultimate drilling is required to adequately and completely
22 deplete the reserves than is resorted to in the initial
23 stages of outlining the productive limits of the pool.

24 I don't think we know what the productive
25 limits of the pool are in this case, because due to adverse

1
2 economics from low gas prices in the past, there were several
3 edge wells that tested gas at what would not be commercial
4 rates that were abandoned at that time because they were --
5 it was not worth setting pipe on.

6 So I don't think we know either the ex-
7 tent of the pool or whether or not there is effective drain-
8 age taking place within inside the pool, not counting the
9 reservoirs that have not been tested at all or that have
10 been inadequately tested at this point.

11 All of this -- all of these indeterminates
12 can be largely remedied by an intelligently conducted infill
13 drilling program, such as that as was recommended to Read &
14 Stevens by Mr. Wambaugh and I.

15 Q Mr. Aycok, in your opinion will granting
16 this application be in the best interest of conservation,
17 the prevention of waste, and protection of correlative rights?

18 A Yes, sir, I think it will, based upon
19 what we know at the present time.

20 Q Were Exhibits One through Five prepared
21 by you?

22 A Under my supervision, yes, sir.

23 Q And from your own knowledge can you
24 testify as to their accuracy?

25 A Yes, sir.

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2 MR. CARR: At this time, Mr. Stamets,
3 we would offer Read & Stevens Exhibits One through Five.

4 MR. STAMETS: These exhibits will be
5 admitted.

6 MR. CARR: I have nothing further of Mr.
7 Aycock on direct.

8
9 CROSS EXAMINATION

10 BY MR. STAMETS:

11 Q Mr. Aycock, why did the applicant choose
12 to go this route, of asking for non-standard units, rather
13 than just simply asking for infill drilling on the proration
14 units?

15 A We feel like, Mr. Stamets, for one thing,
16 that if this is successful, it's going to lead to either the
17 Commission tacitly recognizing that at least 160-acre develop-
18 ment is going to be required, or possibly a modification of
19 the pool rules allowing -- allowing -- making 160 acres the
20 allowable proration unit rather than 320 acres.

21 As you are also aware, which is not now
22 the subject of this hearing because of a change in the --
23 what was accepted in the application, we originally had hoped
24 to apply for a prior finding on Section 103, as for necessary
25 infill wells in order to justify the drilling of these wells

1
2 economically, and this is not now possible, but that is the
3 reason that the applications proceeded in the way that they
4 have.

5 Q Okay.

6 MR. STAMETS: Any other questions of
7 this witness? He may be excused.

8 (Thereupon a recess was
9 taken.)
10

11 MR. CARR: At this time I would call
12 Mr. Wambaugh.
13

14 D. C. WAMBAUGH
15 being called as a witness and being duly sworn upon his oath,
16 testified as follows, to-wit:
17

18 DIRECT EXAMINATION
19

20 BY MR. CARR:

21 Q Will you state your full name for the
22 record, please?

23 A Donald C. Wambaugh.

24 Q Where do you reside?

25 A Midland, Texas.

Q Mr. Wambaugh, by whom are you employed
and in what capacity?

A By Read & Stevens as a consulting geologist.

Q Have you previously testified before
this Commission, had your credentials accepted as a geologist
and made a matter of record?

A Yes, sir.

Q Are you familiar with the applications
of Read & Stevens in these cases?

A Yes.

Q Are you familiar with the wells involved
in these cases?

A Yes, sir.

MR. CARR: Are the witness' qualifications acceptable?

MR. STAMETS: They are.

Q Mr. Wambaugh, will you please refer to
what has been marked for identification as Read & Stevens
Exhibit Number Six and explain to Mr. Stamets what it is and
what it shows?

A All right. Exhibit Number Six is on
the wall at your left there.

It is a structure map on top of the

Atoka formation of Pennsylvanian age.

It shows southeast dip into the basin and it is my opinion and my feeling that structure in this particular case does not have too much to do with the production of the wells.

Q. Will you now refer to Exhibit Number Seven and explain to Mr. Stamets what this shows?

A. Exhibit Number Seven is an index map showing traces of cross sections and also it has on it orange and blue dots, a legend down in the lower righthand corner, and in some cases double dots. This is just an indication of whether the well has been completed in the upper part of the 500-foot interval that produces in the Buffalo-Penn Pool or the lower part. It's merely an indication for convenience.

Q. Mr. Wambaugh, I now direct your attention to your Exhibit Number Eight, which is cross section A-A', which is on the wall, and ask that you review this for Mr. Stamets.

A. This cross section, the trace of which is shown in the lower righthand corner, is an attempt to show the total Pennsylvanian area in zones and the thickness of the producing horizons present in the Atoka Penn Buffalo pay zone. This really does not show much except a subtle thickening of that zone to the southeast and it does show

1
2 upon examination that sands have been deposited in this area
3 are non-continuous over a lateral area. Further cross sec-
4 tions will be larger scale and a closer examination. This
5 is more of a general nature. It does have shown producing
6 zones, the drill stem tested zones, cored zones, completion
7 data and some cumulative production data.

8 Q In your opinion have all the zones in
9 the Pennsylvanian in the Buffalo Penn Pool been adequately
10 tested as evidenced by these -- this cross section?

11 A Not in every well, no, sir.

12 Q And this shows that wells have been
13 perforated at various intervals within this --

14 A Yes, sir.

15 Q -- Pennsylvanian interval.

16 Will you now refer to your Exhibit
17 Number Nine, which is your Y-Y' cross section, and ---

18 MR. STAMETS: Could I ask a question
19 while we're looking at this?

20 A Yes, sir.

21 MR. STAMETS: Are all of the wells in
22 the Buffalo Valley-Penn completed in what's been identified
23 as the Atoka section on this cross section, or do they cross
24 over in what's called the Strawn?

25 A No, they've all been completed in what's

1
2 called the Atoka section, yes, sir.

3 MR. STAMETS: Thank you.

4 Q Will you now refer to Exhibit Number
5 Nine?

6 A Exhibit Number Nine is the cross section
7 Y-Y', which also has on it the proposed location for Read &
8 Stevens which is located in the northeast quarter of Section
9 1, 15, 27.

10 On these cross sections -- on this cross
11 section, I'm sorry, and subsequent cross sections, in the
12 lefthand side of the log where the gamma ray trace is shown,
13 there has been darkened the intervals which have 35 degree --
14 35 API units or less indicating clean sandstones. This is
15 an attempt to identify quantitatively those sands that are
16 clean enough and have been produced in many of the wells, for
17 correlation purposes.

18 On this cross section you'll note that
19 the lefthand log trace has some intervals in there which
20 are marked and do have this sand, whereas the righthand log
21 has no sand which had -- was clean enough to be 35 API units
22 or less, and also this well is a dry hole, the one on the
23 Ard Well, Ard Sinclair No. 1.

24 Q Will you now refer to Exhibit Number
25 Ten, the X-X' cross section?

1
2 A. The X-X' is a similar cross section east
3 to west showing another of the proposed locations, this one
4 being in the northeast quarter of Section 12, 15, 27.

5 Q Will you now refer to Exhibit Number
6 Eleven, the W-W' cross section?

7 A. The W-W' ---
8 MR. STAMETS: On the X-X' it has some
9 dark coloring --

10 A. Yes, sir.
11 MR. STAMETS: -- in the righthand well.

12 A. Yes, sir.
13 MR. STAMETS: I don't see any on --
14 maybe a couple spots on the lefthand well.

15 A. Yes, sir.
16 MR. STAMETS: The perforated intervals
17 don't seem to match those.

18 A. Well, this is an interesting point, and
19 there are some operators who have perforated in zones that --
20 have not perforated, excuse me, have not perforated in zones
21 that I consider to be possible productive because of cleanli-
22 ness of sand. Occasionally some of these zones are tight.
23 I think that on the case of this well on the righthand side,
24 the Holly Well, that probably indicates a rather tight zone
25 in there may be why they didn't perforate it.

1
2 MR. STAMETS: And conversely, the fact
3 that some of these other zones are perforated, indicates that
4 you may have some zones that are less clean than what you've
5 marked here, but are still productive.

6 A. Yes, sir, that's true.

7 MR. STAMETS: Okay.

8 A. But you can't -- the main thing is that
9 you cannot correlate these zones over great lateral distance.
10 This is --

11 MR. STAMETS: Okay.

12 Q. Now refer to Exhibit Number Eleven.

13 A. Exhibit Number Eleven is cross section
14 W-W', which crosses the proposed location in the southwest
15 quarter of Section 12, 15, 27, again showing the same general
16 trend of -- of evidence we had previously.

17 Q. Would you now refer to Exhibit Number
18 Twelve, the V-V' cross section?

19 A. V-V' is a cross section showing the
20 location in the -- the Read & Stevens location, proposed
21 location, in the northeast quarter of Section 13, 15, 27.

22 Q. And this shows the same sort of structure--

23 A. Same sort of stratigraphic type indica-
24 tion, yes, sir.

25 Q. Will you now refer to Exhibit Number

1
2 Thirteen, the U-U' cross section?

3 A. The U-U' cross section includes the pro-
4 posed location of our Read & Stevens in the southwest quarter
5 of Section 13, 15, 27. And it shows the similar situation
6 where the sands are producing from different intervals, and
7 also the well on the lefthand side is a well that was plugged
8 and abandoned in 1974, compared to the well on the right,
9 which is completed.

10 Q. Mr. Wambaugh, will you now go to Exhibit
11 Number Fourteen and explain this?

12 A. Exhibit Number Fourteen is a cross sec-
13 tion north/south through three of the locations proposed and
14 wells in between, and again attempts to show on a larger
15 scale the variation in the lateral sequence of sandstones.

16 Q. Are a number -- several of the wells on
17 this cross section currently plugged?

18 A. Yes, sir.

19 Q. And what does that tell you about the
20 general development of the area?

21 A. It indicates to me that these sandstones
22 which are producing, and Mr. Stamets pointed out some that
23 are not producing, do not occur in what we call a sheet or
24 blanket sands. They're rather lensical in nature and if one
25 were to drill in a certain location you could indicate that

1
2 you might have a sand and you could drill in a location a
3 mile away and you would not find this same sand present.
4 You would be kind of wildcatting in this area if you attempted
5 to drill, and it would be -- by inference we could say that
6 you might find in between known locations where we have data,
7 you might find an extra sand, stray sand or two present when
8 you encounter it with the drilling.

9 Q Mr. Wambaugh, will you now refer to
10 Read & Stevens Exhibit Number Fifteen and explain to Mr.
11 Stamets what it is and what it shows?

12 A This is a map, Isopachous map, on the
13 clean sandstone in this interval, which was derived from
14 these logs that you see, and some others, all the logs in
15 the field that were available to me, and shows the thickness
16 of all of the sands in this interval in an attempt to try to
17 find some sort of common trend or some sort of reason, and
18 also it was an attempt to indicate to Read & Stevens where
19 the best locations, or those that would have the most amount
20 of sand, could be proposed.

21 If you compare this map to Exhibit Six,
22 which is the structure map, you'll see that there is not a
23 whole lot of correlation to it. This map indicates a thick
24 area running north and south through the center part of the
25 map, and the locations are shown in red dots on there, and

1
2 these are the recommended locations to Read & Stevens, made
3 by Mr. Aycock and myself.

4 Q Mr. Wambaugh, do you believe that the
5 160-acre units to be dedicated to each of the proposed wells,
6 do you believe that these units can be reasonably presumed
7 to be productive of gas?

8 A Yes, sir, based on my work, yes.

9 Q Would you briefly summarize what you ex-
10 pect to be the result of Read & Stevens proposed development
11 of this area on the greater -- with a greater density of wells?

12 A I would expect, as is the case of other
13 fields that I've studied, that they would find zones of pro-
14 ductive sands, some of which we know about and some of which
15 we do not know about.

16 I would also, through the interpretation
17 of Mr. Aycock's presentation, he pointed out about pressure
18 data, my experience has been in some fields that have gone
19 from 320 to 160-acre spacing, also gone into 80-acre spacing,
20 that pressures nearly according to original bottom hole pres-
21 sures would be encountered, also.

22 Q Will approval of this application in
23 your opinion result in the recovery of gas that otherwise
24 would not be recovered?

25 A Yes, sir, I do believe that.

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Q Do you believe that this additional development will impair correlative rights?

A Excuse me?

Q Do you believe that granting this application will impair correlative rights?

A No, sir.

Q In your opinion will granting this application otherwise be in the best interest of conservation and the prevention of waste?

A Yes, sir.

Q Were Exhibits Six through Fifteen prepared by you?

A By me and under my supervision, yes, sir.

Q And have you reviewed them and can you testify as to their accuracy?

A Yes, sir.

MR. CARR: At this time, Mr. Stamets, we would offer Read & Stevens Exhibits Six through Fifteen.

MR. STAMETS: These exhibits will be admitted.

MR. CARR: I have nothing further of Mr. Wambaugh on direct.

MR. STAMETS: I'm not certain if this

1
2 question should be directed to Mr. Wambaugh or not, but any-
3 body who has the evidence on this can certainly testify.

4 Will the ownership under each of these
5 new proration units be the same as the ownership under the
6 existing proration unit?

7 A. I cannot answer that question, sir.

8 A SPECTATOR: The answer is yes.

9 MR. STAMETS: Who is that at the back of
10 the room, for the record?

11 MR. STEVENS: Norman Stevens.

12 MR. STAMETS: Would you identify yourself
13 for the record, Mr. Stevens?

14 MR. STEVENS: Vic-President for Read &
15 Stevens, Inc.

16 MR. STAMETS: Thank you, and the record
17 should show that Mr. Aycock also answered positively to that
18 question.

19 Any other questions of this witness?
20 He may be excused.

21 MR. CARR: That concludes our direct
22 presentation, Mr. Stamets.

23 MR. STAMETS: Mr. Bateman, are you going
24 to put your witness on?

25 MR. BATEMAN: No, sir, I'd just like to

1
2 make a statement, if I may.

3 MR. STAMETS: You certainly may.

4 MP. BATEMAN: Mr. Flowers will make a
5 statement.

6 MR. STAMETS: All right, Mr. Flowers may
7 make a statement.

8 MR. FLOWERS: I'm Lee Flowers with
9 Depco, Incorporated.

10 Depco cannot argue the point that this
11 is a complex area geologically and there's obviously a lot
12 of engineering data been presented as to pressures and
13 whether those pressures are built up or not, that's debatable.

14 Two factors of concern to us, and number
15 one, we would assume an application will be made for new
16 prices after this -- if this application is granted and the
17 wells are drilled.

18 Should a new well receive a new price,
19 which would be a higher price for its gas, then an inequity
20 could occur because some gas will be drained from an area
21 currently being drained by an old well, and this drained
22 gas will be sold at an increased price.

23 Depco, Incorporated, does not wish to
24 be obligated to drill additional wells to offset wells on
25 160 acres to prevent drainage. We believe some of those

1
2 locations that are proposed will be uneconomic because each
3 new well will cost approximately \$500,000, and the additional
4 reserves found will not be enough to pay out the additional
5 expenditures and will lower the economic return of the already
6 existing wells.

7 That's all I have.

8 MR. BATEMAN: I just have one point, if
9 I may.

10 MR. STAMETS: You certainly may.

11 MR. BATEMAN: Mr. Aycock's candid remark
12 about the potential for tacit or otherwise -- changing --
13 tacitly or otherwise changing the pool rules is of great con-
14 cern to Depco. Depco does not share the enthusiasm of the
15 applicant for infill drilling, as I'm sure you know, and so
16 we would oppose any move toward changing the pool rules based
17 on this application or the evidence given at this time.

18 MR. STAMETS: Okay, you may be assured
19 that that -- that won't result from this application.

20 I would also point out for the record
21 that the Buffalo Valley-Pennsylvanian Gas Pool is one of the
22 prorated pools in southeast New Mexico. If memory serves me
23 properly, that's prorated on the basis of surface acres, so
24 each one of these new wells would receive an allowable which
25 would be equivalent to one-half of the allowable which would

1
2 be assigned to a well on 320 acres.

3 Mr. Carr, do you have a closing statement?

4 MR. CARR: I have no closing statement,
5 Mr. Stamets.

6 MR. STAMETS: You may proceed with that
7 at this point if there is no one else who has a statement.

8 MR. CARR: I have no closing statement,
9 Mr. Stamets.

10 MR. STAMETS: You have none, I'm sorry.
11 I misunderstood you.

12 If there's nothing further, these cases
13 will be taken under advisement with the one exception of the
14 requirement for re-advertising.

15
16 (Hearing concluded.)
17
18
19
20
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24
25

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that
the foregoing Transcript of Hearing before the Oil Conserva-
tion Division was reported by me; that the said transcript
is a full, true, and correct record of the hearing, prepared
by me to the best of my ability.

Sally W. Boyd C.S.R.

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No.
heard by me on 1-14 1981

7130
7131
7132
7133
7134

Richard L. Ham, Examiner
Oil Conservation Division



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

February 13, 1981

Mr. William F. Carr
Campbell and Black
Attorneys at Law
Post Office Box 2208
Santa Fe, New Mexico

Re: CASE NO. 7130
ORDER NO. R-6581

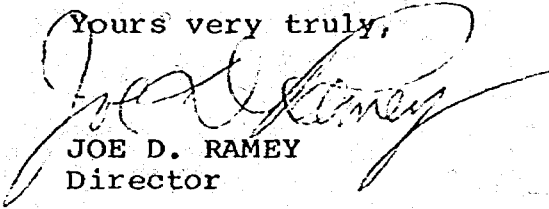
Applicant:

Read & Stevens, Inc.

Dear Sir:

Enclosed herewith are two copies of the above-referenced
Division order recently entered in the subject case.

Yours very truly,


JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD

Other Kenneth Bateman

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. 7130
Order No. R-6581

APPLICATION OF READ & STEVENS,
INC. FOR AN UNORTHODOX GAS WELL
LOCATION AND TWO NON-STANDARD
GAS PRORATION UNITS, CHAVES
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on January 14, 1981, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 10th day of February, 1981, 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, Read & Stevens, Inc., seeks approval of two 160-acre non-standard gas proration units in the Buffalo Valley-Pennsylvanian Gas Pool, the first being the SE/4 of Section 12, Township 15 South, Range 27 East, NMPM, to be dedicated to its Trobough "A" State Com. Well No. 1 in Unit J, and the other being the NE/4 of said Section 12 to be dedicated to a well to be drilled at an unorthodox location 1315 feet from the North line and 1315 feet from the East line of the section.
- (3) That both of said non-standard proration units may reasonably be presumed productive of gas from the Buffalo Valley-Pennsylvanian Gas Pool and that the entire non-standard gas proration units can be efficiently and economically drained and developed by the respective aforesaid wells.

-2-

Case No. 7130
Order No. R-6581

(4) That approval of the subject application will afford the applicant the opportunity to produce his just and equitable share of the gas in the Buffalo Valley-Pennsylvanian Gas Pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That Read & Stevens, Inc. is hereby granted two 160-acre non-standard gas proration units in the Buffalo Valley-Pennsylvanian Gas Pool, the first comprising the SE/4 of Section 12, Township 15 South, Range 27 East, NMPM, Chaves County, New Mexico, and the second being the NE/4 of said Section 12, said units to be dedicated to the Trobough "A" State Com. Well No. 1 in Unit J and a well to be drilled at an unorthodox location, hereby approved, 1315 feet from the North line and 1315 feet from the East line of said Section 12, respectively.

(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
Director

S E A L

pd/

JAN 15 1981
OIL CONSERVATION DIVISION
SANTA FE

January 12, 1981

New Mexico Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention Mr. Joe D. Ramey, Division Director

Subject: Application of Read & Stevens, Inc.
for Five Unorthodox Gas Well
Locations and Non-standard Gas
Proration Units, Buffalo Valley Pool
Chaves County, New Mexico

Gentlemen:

We do not oppose the application of Read & Stevens, Inc. for the
locations and proration units as follows:

Township 15 South, Range 27 East:

Section 1, SW/4
Section 12, SE/4
Section 12, NW/4
Section 13, SE/4
Section 13, NW/4

Very truly yours,

CITIES SERVICE COMPANY

By: 

CITIES SERVICE COMPANY

RECEIVED
JAN 15 1981
OIL CONSERVATION DIVISION
SANTA FE

January 17, 1981

New Mexico Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention Mr. Joe D. Ramey, Division Director

Subject: Application of Read & Stevens, Inc.
for Five Unorthodox Gas Well
Locations and Non-standard Gas
Proration Units, Buffalo Valley Pool
Chaves County, New Mexico

Gentlemen:

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locations and proration units as follows:

Township 15 South, Range 27 East:

Section 1, SW/4
Section 12, SE/4
Section 12, NW/4
Section 13, SE/4
Section 13, NW/4

Very truly yours,

CITIES SERVICE COMPANY

By: 

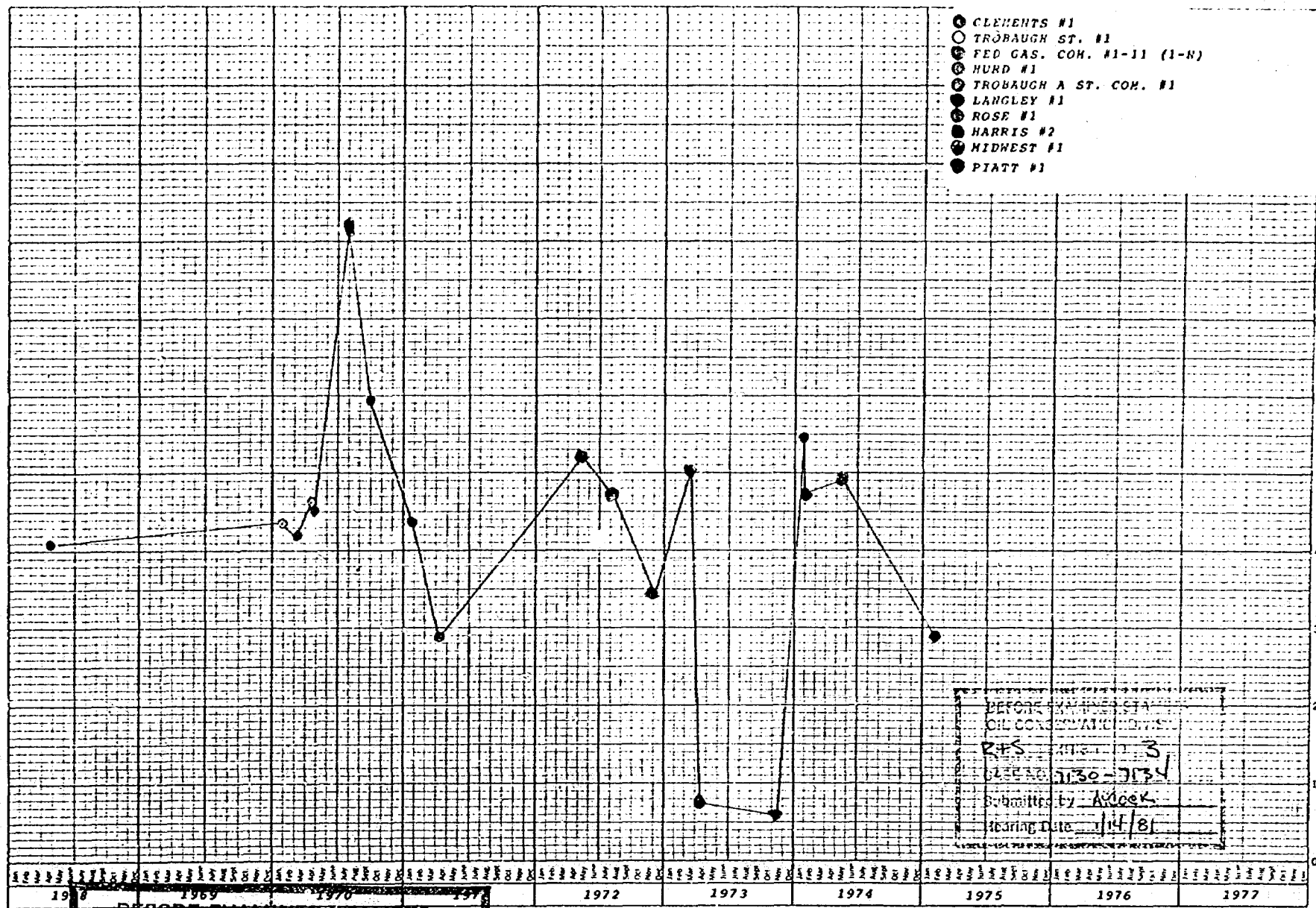
CITIES SERVICE COMPANY

K-E 10 YEARS BY MONTHS & 10 DIVISIONS
REPEL & EMER CO. MIN. 0.01

47 3730

SUBSURFACE PRESSURE, Psi

4750
4500
4250
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3750
3500
3250
3000
2750
2500
2250
2000



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

R+S EXHIBIT NO. 3

CASE NO. 7130-7134

Submitted by A. HOOK

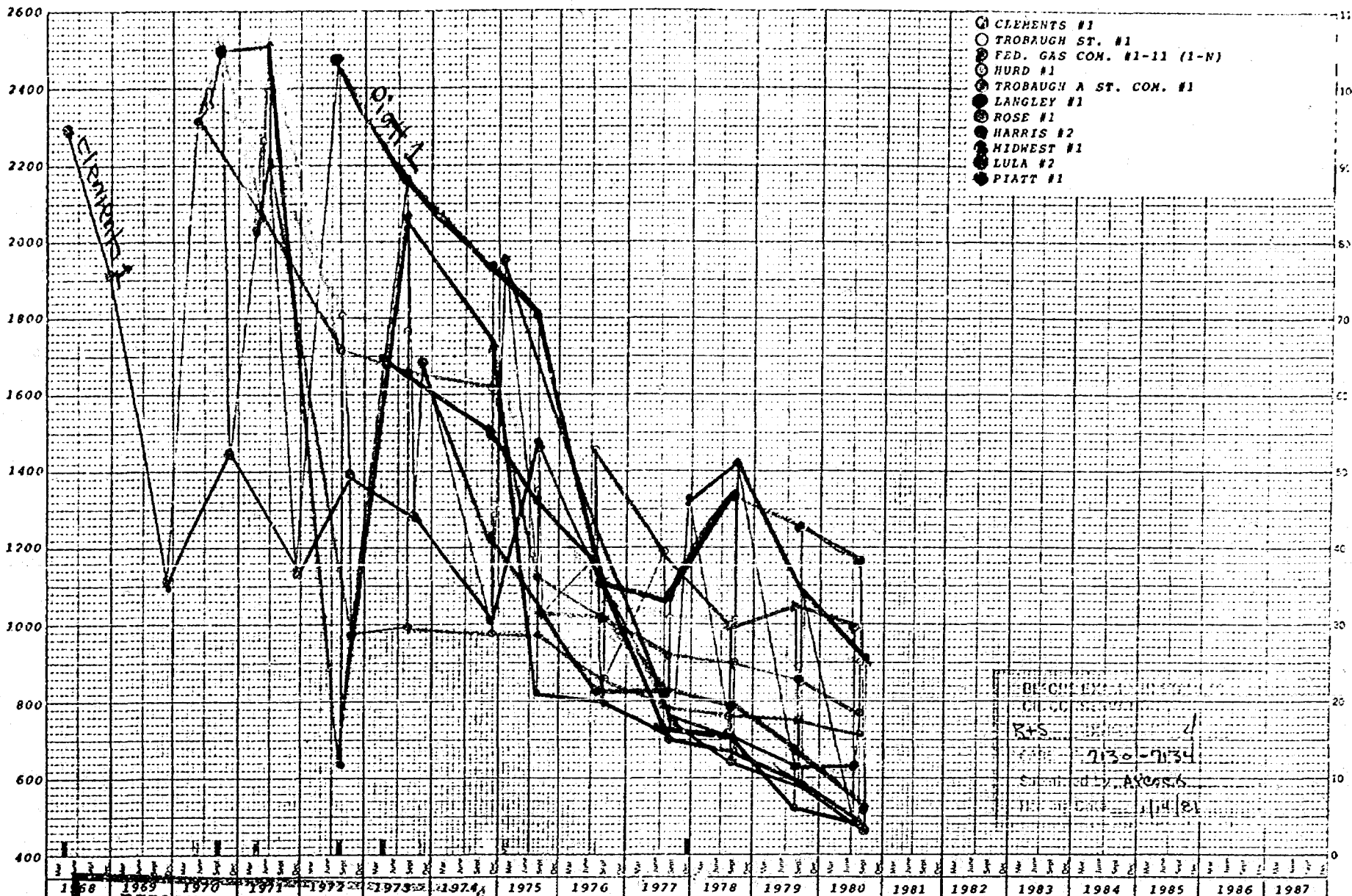
Hearing Date 1/14/81

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
R+S EXHIBIT NO. 3
CASE NO. 7130-7134
Submitted by A. HOOK
Hearing Date 1/14/81

47 3850

R-E 20 YEARS BY MONTHS 1 TO DIVISIONS
REPT. & CHAS CO. 11-1-81

SURFACE PRESSURE, Psia



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

R+S EXHIBIT NO. 4

CASE NO. 7130-7134

Submitted by Avesek

Hearing Date 1/14/81

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
R+S
7130-7134
Submitted by Avesek
Hearing Date 1/14/81

TABULATION OF INITIALLY MEASURED PRESSURES

BUFFALO VALLEY (PENH)

CHAVES COUNTY, NEW MEXICO

DATE	OPERATOR LEASE NAME AND WELL NO.	LOCATION S(U)-T-R	SOURCE	PRESSURE BOMB DEPTH	SUBSURFACE DATUM FEET		SURFACE PRESSURE PSIA		SUBSURFACE PRESSURE PSIA	
					INTERVAL	DEPTH	MEASURED	CALCULATED	MEASURED	CALCULATED
	<u>Cities Service</u>									
	Beatz A #1	35(N)-14-27			Completed 1-29-62 - No DST or C-122 Available					
	<u>Read & Stevens</u>									
	Buffalo Valley Com #1	2(F)-15-27								
5-14-67			DST	8210	8124-8214	-4696DF	-	-	3295.2/ 3295.2	
6-08-67			C-122		8180-8213	-4683DF*	2432.2		3323.2	
	<u>Energy Reserves</u>									
	Clements Buffalo #1	1(D)-15-27								
4-25-68			C-122		8232-8354	-4760KB*	2294.2		3024.2	
	<u>Read & Stevens</u>									
	Buffalo Valley St Com #2	2(J)-15-27								
4-25-68			C-122		8130-8325	-4716GL*	2323.2		3146.2	
	<u>Amoco</u>									
	Federal C Gas Com #1	11(C)-15-27								
5-17-69			C-122		8232-8257	-4752KB*	2020.2		2657	
	<u>Energy Reserves</u>									
	Buffalo Valley Com #2	35(H)-14-27								
11-29-69			C-122		8125-8173	-4621KB*	1283.2		1659	
	<u>Read & Stevens</u>									
	Trobaugh #1	1(J)-15-27								
1-29-70			DST	8470	8344-8480	-4941KB	-	-	3057.2/ 3085.2	
4-17-70			C-122		8443-8468	-4927KB*	-	-	3153.2	
	<u>Hurd #1</u>									
		12(C)-15-27								
3-08-70			DST	8510	8244-8514	-4948DF	-	-	3041.2/ 3036.2	
3-08-70			DST	8508	8244-8514	-4946DF	-	-	3050.2/ 3045.2	
4-25-70			C-122		8484-8515	-4937GL*	-	-	3127.2	

*Mid-point of Interval

EXHIBIT NO.

DATE	OPERATOR LEASE NAME AND WELL NO.	LOCATION S(U)-T-R	SOURCE	PRESSURE BOMB DEPTH	SUBSURFACE DATUM		SURFACE PRESSURE		SUBSURFACE PRESSURE	
					FEET INTERVAL	DEPTH SUBSEA	MEASURED	PSIA CALCULATED	MEASURED	PSIA CALCULATED
	Midwest Com #1	6(M)-15-28								
7-31-70			DST	8404	8275-8414	-4868KB	-	-	4063.2/ 4029.2	
7-31-70			DST	8409	8275-8414	-4873KB	-	-	4054.2/ 4045.2	
9-29-70			C-122		8392-8420	-4882GL*	2503.2		3484.2	
	<u>Amoco</u>									
	Midwest State V #1	6(O)-15-28								
2-15-71			DST	N/A	8440-8703	-5024DF*	-	-	3517.2/ 3517.2	
2-24-71			C-122		8459-8475	-4919DF*	-	-	3500.2	
	<u>Read & Stevens</u>									
	Trobaugh "A" St Com #1	12(J)-15-27								
1-25-71			DST	N/A	8270-8556	-4843GL*	-	-	3180.2/ 3088.2	
4-07-71			C-122		8516-8645	-5011GL*	2022.2		2722.2	
	Piatt State Com #1	18(D)-15-28								
5-12-72			DST	8514	8536-8842	-4942GL	-	-	2717.2/ 3256.2	
5-12-72			DST	8837	8536-8842	-5265GL	-	-	2882.2/ 3303.2	
8-09-72			C-122		8626-8656	-5069KB*	2474.2			3177
	Langley Com #1	13(C)-15-27								
3-15-73			DST	8604	8276-8608	-4991KB	-	-	3302.2/ 3280.2	
4-13-73			C-122		8626-8646	-5035GL*	1688.2		2186.2	
	<u>Enfield</u>									
	Federal 1-11	11(A)-15-27								
12-02-72			DST	N/A	8170-8483	-4780GL*	-	-	2672.2/ 2855.2	
			No Initial C-122 Available							
11-15-73			Annual C-122		8441-8474	-4925KB*	1683.2		2149.2	
	<u>Read & Stevens</u>									
	Rose #1	13(J)-15-27								
5-17-74			DST	8701	8320-8710	-5083GL	-	-	3215.2/ 3228.2	
1-18-75			C-122		8627-8702	-5035KB*	2238.2		2995.2	
	Harris Fed Com #2	24(C)-15-27								
1-29-74			DST	8962	8475-8966	-5357GL	-	-	3065.2/ 3362.2	
1-29-74			DST	8455	8475-8966	-4850GL	-	-	2847.2/ 3182.2	
2-01-75			C-122		8566-8807	-5070KB*	1954.2		2721.2	

*Mid-Point of Interval

DATE	OPERATOR LEASE NAME AND WELL NO.	LOCATION S(U)-T-R	SOURCE	PRESSURE BOMB DEPTH	SUBSURFACE DATUM		SURFACE PRESSURE		SUBSURFACE PRESSURE		
					FEET INTERVAL DEPTH	SUBSEA	PSIA MEASURED	PSIA CALCULATED	PSIA MEASURED	PSIA CALCULATED	
<u>Depco</u>											
	Derrick #1	3(G)-15-27									
2-04-75			DST	N/A	7840-7975	-4500GL*	-	-	3268.2/ 3242.2		
3-04-75			C-122		7962-7970	-4558GL*	2521.2		3089.2		
<u>Mountain States Petroleum</u>											
	State Com #1	36(M)-14-27									
10-17-74			DST	8120	8120-8394	-4595GL	-	-	1382.2/ 1400.2		
8-06-75			C-122		8230-8306	-4744GL*	980.2			1206	
<u>Depco</u>											
	Bogle State #1	8(J)-15-28									
9-15-76			DST	8839	8760-8843	-5293KB	-	-	3314.2/ 3303.2		
11-27-76			C-122		8834-8842	-5303GL*	2193.2		3194.2		
<u>Holly Energy</u>											
	Lula #2	7(D)-15-28									
5-04-77			C-122		8495-8505	-4809GL*	2392.2			3074	
<u>Mountain States Petroleum</u>											
	Hondo State Com #1	36(F)-14-27									
1- -69			DST		8169-8358	-4794GL*	-	-	2771.2/ 3047.2		
	1969 F&A, 1977 Well Was Reentered										
7-19-77			C-122		8155-8345	-4780GL*	1963.2		2445.7		
<u>Amoco</u>											
	State ET #1	36(C)-15-27									
1-26-78			DST		8820-8945	-5292GL*	-	-	3124.2/ 3287.2		
7-13-78			C-104		8918-8922	-5329GL*	2613.2			3304	
<u>Read & Stevens</u>											
	Lula #3	7(I)-15-28									
7-25-78			DST		8345-8985	-5125KB*	-	-	3451.2/ 3486.2		
10-12-78			C-122		8542-8616	-5039KB*	2260.2		3248.2		
<u>Mewbourne Oil Co.</u>											
	Mewbourne St 25 #1	25(N)-14-27									
11-03-79			C-122		8252-8268	-4786GL*	1719.2		2166.2		

*Mid-point of Interval

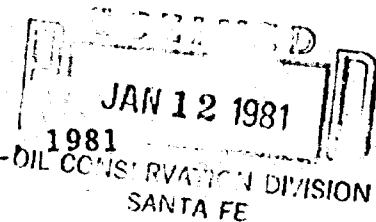
SUMMARY OF RESERVOIR AND PRODUCTION INFORMATION FOR BUFFALO VALLEY PENN. WELLS
CHAVES COUNTY, NEW MEXICO

FEDERAL C MIDWEST ST GAS COM #1 VGAS COM #1	AMOCO	STATE ET #1	CITIES SERVICE BEAT #1	DEPCO BOGIE STATE #1	DERRICK COM #1	ROBERT ELFIELD MIDRAT 11-1	ENERGY RESERVES BUFFALO VAL CLEMENS COM #2	HOLLY LULA #2	MEMPHIS OIL ST #1	MTN STATES PETROL. HONDO COM #1	STATE COM #1	BUFFALO VAL COM #1	HARRIS COM #2	HURD #1	LANGLEY COM #1	READ & STEVENS LULA #3	MIDWEST #1	PLATT STATE COM #1	ROSE #1	TROBAUGH #1			
11-07-68 8232-8257	2-24-71 8412-8475	3-02-78 8918-8922	1-25-82 8182-8270	11-27-76 8834-8842	2-19-75 7962-7970	11-18-72 8441-8474	9-14-69 8125-8173	1-18-68 8232-8354	5-04-77 8485-8505	11-02-79 8232-8268	2-14-77 8155-8345	4-11-75 8230-8306	5-23-67 8180-8213	2-23-68 8130-8325	2-01-75 8566-8807	3-22-70 8484-8515	3-31-73 8626-8646	10-12-78 8542-8616	9-10-70 8392-8420	7-31-72 8625-8656	1-18-75 8626-8707	3-18-70 8443-8468	
5-17-69	2-24-71	7-13-78*	N/A	11-27-76	3-04-75	11-15-73**	11-29-69	4-25-68	5-04-77	11-3-79	7-19-77**	8-6-75	6-8-67	4-25-68	2-1-75	4-25-70	4-13-73	10-12-78	9-29-70	8-09-72	1-18-75	4-17-70	
2020.2 2857.0	N/A 3500.2	2013.4 3504.0	2195.2 3194.2	2521.2 3089.2	1083.2 2148.2	1283.2 1659.0	2294.2 3024.2	2392.2 3074.0	1719.2 2166.2	1963.2 2045.7	980.2 1206.0	2432.2 3523.2	2333.2 3146.2	1954.2 2721.2	N/A 3127.2	1688.2 2186.2	2260.2 3248.2	2503.2 3484.2	2474.2 3177.0	2238.2 2995.2	N/A 3155.2		
-4752	-4919	-5339	-5503	-4558	-4925	-4621	-4760	-4809	-4786	-4780	-4744	-4683	-4716	-5070	-4937	-5035	-5039	-4882	-5069	-5035	-4927		
44.03	20	-	-	Trace	90.322	62.5	32.204	-	-	-	TSMT	55.862	31.57	51.098	55.556	133.33	TSMT	17.550	66.0	96.944	90.033		
H.C.	0.47	0.15	-	-	62.7	63.5	60.5	-	-	-	-	60.6	63.0	63.0	61.0	63.0	-	63.0	63.0	63.0	61.0		
0.670	0.682	0.647	-	0.6996	0.6801	0.644	0.680	0.691	0.691	0.656	0.653	0.684	0.672	0.625	0.68	0.625	0.645	0.621	0.692	0.625	0.68		
0.731	0.810	-	-	-	0.675	0.720	0.759	-	-	-	-	0.734	0.751	0.671	0.726	0.645	N/A	0.821	0.692	0.651	0.711		
5610	10.048	457	1066	2071	4636**	1120	4675	431	1090	673**	867	6400	10.591	0.500	4000	4800	474	8100	1040	689	9700		
nd-ft.	61.88	7.94	4.92	10.37	20.40	39.40	49.30	8.72	32.4	8.7	17.46	83.5	151.6	99	35.6	76.6	3.34	75.3	1.73	5.78	107		
nd	-0.77	-	-1.75	-	-	-	-	-	-	-	-4.21	-	-	-	-	-	-	-	-5.02	-	-		
nd	201.5	90.6	55.3	N/A	123	123.1	137.1	119.9	109.6	81.7	118.6	55.2	55.0	115.2	311.7	119.4	111.7	138.7	50.2	117.8	31.7	69.0	223.9
Vol.	0.091	0.066	0.109	0.081	0.115	0.090	0.093	0.189	0.123	0.140	0.108	0.129	0.126	0.142	0.085	0.136	0.164	0.152	0.144	0.182	0.112	0.071	0.122
n NEPS	0.244	0.433	0.288	0.130	0.170	0.240	0.220	0.130	0.20	0.140	0.078	0.141	0.200	0.134	0.220	0.102	0.186	0.530	0.130	0.084	0.286	0.253	0.242
17	20	12	16	5	12	26	6	28	8	10	15	19	29	34	33	20	20	8	31	17	19	25	
MNCF/ac.	10.13	6.99	8.44	N/A	4.53	7.77	11.92	5.34	28.14	9.07	6.10	11.63	9.93	34.2	21.18	31.67	25.2	9.66	9.40	53.9	12.44	8.78	21.79
nd	3.64	0.397	0.41	N/A	2.07	1.70	3.44	4.05	1.76	1.09	3.24	0.58	0.919	2.88	4.46	30	1.78	3.83	0.418	2.43	0.102	0.301	4.28
13.263	42.413	2395	27.021	4864	4159	11.889	2106	68.729	2946	0	6149	997	57.853	67.295	2279	52.403	7377	5222	27.210	21.506	6553	51.760	
1,609,402	3,646,002	311,803	4,914,023	377,367	386,729	2,847,205	695,336	5,910,206	196,740	0	780,889	1,559	6,010,105	5,388,574	296,522	7,591,850	2,090,187	266,334	2,557,363	2,179,231	622,115	7,754,663	
2391.5	4056.0	1133.9	4914.0	484.4	402.1	4246.8	824.3	7330.5	298.9	N/A	1608	1064.3	6719.8	6297.4	458.5	9105.9	2475	1511.5	2713.8	4116.8	1571.2	11,268.2	
2660	4250	1235	8635	616	460	5699	1220	10,000	779	N/A	2397	1130	8100	7600	540	15,150	2750	N/A	3801	4517	2333	12,400	
0.899	0.954	0.959	0.569	0.786	0.874	0.745	0.676	0.753	0.384	N/A	0.671	0.942	0.830	0.829	0.849	0.601	0.900	N/A	0.714	0.917	0.673	0.909	

INITIAL NOT AVAILABLE

EXHIBIT NO.

January 9



New Mexico Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

*(used 7130, 7131,
7132, 7133, 7134)*

Attention Mr. Joe D. Ramey, Division Director

Subject: Application of Read & Stevens, Inc.
for Five Unorthodox Gas Well
Locations and Non-standard Gas
Proration Units, Buffalo Valley Pool
Chaves County, New Mexico

Gentlemen:

We support the application of Read & Stevens, Inc. for the loca-
tions and proration units as follows:

Township 15 South, Range 27 East:

Section 1, SW/4
Section 12, SE/4
Section 12, NW/4
Section 13, SE/4
Section 13, NW/4

A handwritten signature, possibly "R. Ramey", in dark ink.

Very truly yours,

ENERGY RESERVES GROUP

By: A handwritten signature, likely "Richard A. Zimmerman", in dark ink.

RECEIVED
JAN 9 1981
OIL CONSERVATION DIVISION
SANTA FE

January 27, 1981

New Mexico Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

*Cases 7130, 7131,
7132, 7133, 7134*

Attention Mr. Joe D. Ramey, Division Director

Subject: Application of Read & Stevens, Inc.
for Five Unorthodox Gas Well
Locations and Non-standard Gas
Proration Units, Buffalo Valley Pool
Chaves County, New Mexico

Gentlemen:

We do not oppose the application of Read & Stevens, Inc. for the
locations and proration units as follows:

Township 15 South, Range 27 East:

Section 1, SW/4
Section 12, SE/4
Section 12, NW/4
Section 13, SE/4
Section 13, NW/4

Very truly yours,

MOUNTAIN STATES PETROLEUM CORP.

By: *Kay Chavener*

RLL

- CASE 7125: Application of Western Oil Producers Inc. for the amendment of Order No. R-5399, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Division Order No. R-5399 to include production from all of the Pennsylvanian formations in its Amoco State Well No. 1 at an unorthodox location in Unit M of Section 28, Township 16 South, Range 33 East.
- CASE 7126: Application of Franks Petroleum, Inc. for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox location 1980 feet from the North line and 1315 feet from the West line, Section 3, Township 21 South, Range 32 East, Hat Mesa-Morrow Gas Pool, the N/2 of said Section 3 to be dedicated to the well.
- CASE 7127: Application of Ellwade Corporation for amendment of Order No. R-6399, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-6399 which approved a 129.52-acre non-standard gas proration unit comprising the W/2 of Section 33, Township 26 South, Range 30 East, for the Wolfcamp formation in the Ross Draw Area. Applicant seeks to have said order also apply to all formations of Pennsylvanian age.
- CASE 6670: (Reopened and Readvertised)
- In the matter of Case 6670 being reopened and pursuant to the provisions of Order No. R-6183 which order promulgated temporary special rules and regulations for the Red Hills-Devonian Gas Pool in Lea County, New Mexico, including a provision for 640-acre spacing units. Operators in said pool may appear and show cause why the pool should not be developed on 320-acre spacing units.
- CASE 7128: Application of HNG Oil Company for pool creation, special pool rules, assignment of a discovery allowable, and dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks creation of a new Wolfcamp oil pool for its San Simon 6 State Comm. Well No. 1 located 1980 feet from the North line and 660 feet from the East line of Section 6, Township 22 South, Range 35 East, with special rules therefor, including provisions for 160-acre spacing. Applicant further seeks a discovery allowable for said well and approval for its dual completion to produce oil from the Wolfcamp and gas from an undesignated Morrow pool thru parallel strings of tubing.
- CASE 7129: Application of Koch Exploration Company for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the N/2 of Section 28, Township 28 North, Range 8 West, 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, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 7130: Application of Read & Stevens, Inc. for an unorthodox gas well location and two non-standard gas proration units, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of two 160-acre non-standard proration units in the Buffalo Valley-Pennsylvanian Gas Pool, the first being the SE/4 of Section 12, Township 15 South, Range 27 East, to be dedicated to its Trobough "A" State Com. Well No. 1 in Unit J, and the other being the NE/4 of said Section 12 to be dedicated to a well to be drilled at an unorthodox location 1315 feet from the North and East lines of the section.
- CASE 7131: Application of Read & Stevens, Inc. for an unorthodox gas well location and two non-standard gas proration units, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of two 160-acre non-standard proration units in the Buffalo Valley-Pennsylvanian Gas Pool, the first being the SE/4 of Section 1, Township 15 South, Range 27 East, to be dedicated to its Trobough Com. Well No. 1 in Unit J, and the other being the NE/4 of said Section 1 to be dedicated to a well to be drilled at an unorthodox location 1315 feet from the North and East lines of the section.
- CASE 7132: Application of Read & Stevens, Inc. for an unorthodox gas well location and two non-standard gas proration units, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval of two 160-acre non-standard proration units in the Buffalo Valley-Pennsylvanian Gas Pool, the first being the SE/4 of Section 13, Township 15 South, Range 27 East, to be dedicated to its Rose Well No. 1 located in Unit J, and the other being the SW/4 of said Section 13 to be dedicated to a well to be drilled at an unorthodox location 1315 feet from the South and West lines of the section.

CAMPBELL AND BLACK, P.A.

LAWYERS

JACK M. CAMPBELL
BRUCE D. BLACK
MICHAEL B. CAMPBELL
WILLIAM F. CARR

POST OFFICE BOX 2208

JEFFERSON PLACE

SANTA FE, NEW MEXICO 87501

TELEPHONE (505) 826-1121

DEC 22 1980

December 22, 1980

OIL CONSERVATION DIVISION
SANTA FE

Mr. Joe D. Ramey
Division Director
Oil Conservation Division
New Mexico Department of
Energy and Minerals
Post Office Box 2088
Santa Fe, New Mexico 87501

Case 7130

Re: Application of Read & Stevens, Inc. for
Approval of an Unorthodox Well Location,
Two Non-Standard Proration Units and Approval
of Infill Drilling, Chaves County, New Mexico

Dear Mr. Ramey:

Enclosed in triplicate is the application of Read & Stevens,
Inc. in the above-referenced matter.

The applicant requests that this matter be included on the
docket for the examiner hearing scheduled to be held on
January 14, 1981.

Very truly yours,

William F. Carr
William F. Carr

WFC:lr

Enclosures

cc: Mr. William P. Aycock

BEFORE THE

DEC 22 1980

OIL CONSERVATION DIVISION

NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

APPLICATION OF READ & STEVENS, INC.
FOR APPROVAL OF AN UNORTHODOX
WELL LOCATION, TWO NON-STANDARD
PRORATION UNITS AND APPROVAL OF
INFILL DRILLING, CHAVES COUNTY,
NEW MEXICO.

Case 7130

APPLICATION

Comes now READ & STEVENS, INC., by its undersigned attorneys, and applies to the New Mexico Oil Conservation Division for approval of an unorthodox well location and two non-standard gas proration units, Buffalo Valley-Pennsylvanian Gas Pool, Chaves County, New Mexico, and for infill findings and in support of its application states:

1. Read & Stevens, Inc. is the operator of the E/2 of Section 12, Township 15 South, Range 27 East, N.M.P.M., Chaves County, New Mexico, which is dedicated to its Trobough "A" State Comm. No. 1 Well located in Unit J of said Section 12.
2. Applicant seeks the establishment of two non-standard gas proration units in the Buffalo Valley-Pennsylvanian Gas Pool; one comprising the SE/4 of said Section 12 as a new 160-acre proration unit to be dedicated to the Trobough "A" State Comm. No. 1 Well and the other comprising the NE/4 of said Section 1 as a new 160-acre proration unit to be dedicated to a well applicant proposes to drill at an unorthodox location.

3. The proposed well will be drilled into the same proration and spacing unit dedicated to the Trobough "A" State Comm. No. 1 Well.

4. That Special Pool Rules for the Buffalo Valley-Pennsylvanian Gas Pool were promulgated by Oil Conservation Division Order R-1670-H on March 4, 1969, which established special requirements for the location of wells in this pool.

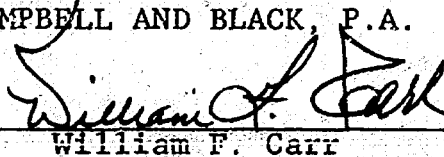
5. That applicant seeks an exception to the Special Pool Rules to enable it to locate its proposed well 1320 feet from the North and East lines of the Section.

6. Applicant seeks a determination pursuant to the F.E.R.C. Rules, Part 271.305 that the proposed Trobough "A" State Comm. No. 1 Well is necessary to effectively and efficiently drain a portion of the Buffalo Valley-Pennsylvanian Gas Pool covered by the proposed proration units which cannot be effectively and efficiently drained by any existing well within the proration unit and will offer evidence in support of that determination.

WHEREFORE, Applicant respectfully requests that this matter be set for hearing before the Commission or one of the Division's duly appointed examiners and that after notice and hearing as required by law, the Division enter its order approving the application.

Respectfully submitted,
CAMPBELL AND BLACK, P.A.

By


William F. Carr
Post Office Box 2208
Santa Fe, New Mexico 87501
Attorneys for Applicant

BEFORE THE
OIL CONSERVATION DIVISION
NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION DIVISION
SANTA FE

Case 7130

APPLICATION OF READ & STEVENS, INC.
FOR APPROVAL OF AN UNORTHODOX
WELL LOCATION, TWO NON-STANDARD
PRORATION UNITS AND APPROVAL OF
INFILL DRILLING, CHAVES COUNTY,
NEW MEXICO.

APPLICATION

Comes now READ & STEVENS, INC., by its undersigned attorneys, and applies to the New Mexico Oil Conservation Division for approval of an unorthodox well location and two non-standard gas proration units, Buffalo Valley-Pennsylvanian Gas Pool, Chaves County, New Mexico, and for infill findings and in support of its application states:

1. Read & Stevens, Inc. is the operator of the E/2 of Section 12, Township 15 South, Range 27 East, N.M.P.M., Chaves County, New Mexico, which is dedicated to its Trobough "A" State Comm. No. 1 Well located in Unit J of said Section 12.
2. Applicant seeks the establishment of two non-standard gas proration units in the Buffalo Valley-Pennsylvanian Gas Pool; one comprising the SE/4 of said Section 12 as a new 160-acre proration unit to be dedicated to the Trobough "A" State Comm. No. 1 Well and the other comprising the NE/4 of said Section 1 as a new 160-acre proration unit to be dedicated to a well applicant proposes to drill at an unorthodox location.

3. The proposed well will be drilled into the same proration and spacing unit dedicated to the Trobough "A" State Comm. No. 1 Well.

4. That Special Pool Rules for the Buffalo Valley-Pennsylvanian Gas Pool were promulgated by Oil Conservation Division Order R-1670-H on March 4, 1969, which established special requirements for the location of wells in this pool.

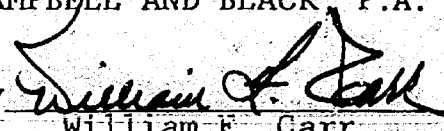
5. That applicant seeks an exception to the Special Pool Rules to enable it to locate its proposed well 1320 feet from the North and East lines of the Section.

6. Applicant seeks a determination pursuant to the F.E.R.C. Rules, Part 271.305 that the proposed Trobough "A" State Comm. No. 1 Well is necessary to effectively and efficiently drain a portion of the Buffalo Valley-Pennsylvanian Gas Pool covered by the proposed proration units which cannot be effectively and efficiently drained by any existing well within the proration unit and will offer evidence in support of that determination.

WHEREFORE, Applicant respectfully requests that this matter be set for hearing before the Commission or one of the Division's duly appointed examiners and that after notice and hearing as required by law, the Division enter its order approving the application.

Respectfully submitted,
CAMPBELL AND BLACK, P.A.

By


William F. Carr
Post Office Box 2208
Santa Fe, New Mexico 87501
Attorneys for Applicant

BEFORE THE
OIL CONSERVATION DIVISION

DEC 22 1960

NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

APPLICATION OF READ & STEVENS, INC.
FOR APPROVAL OF AN UNORTHODOX
WELL LOCATION, TWO NON-STANDARD
PRORATION UNITS AND APPROVAL OF
INFILL DRILLING, CHAVES COUNTY,
NEW MEXICO.

Case 7130

APPLICATION

Comes now READ & STEVENS, INC., by its undersigned attorneys, and applies to the New Mexico Oil Conservation Division for approval of an unorthodox well location and two non-standard gas proration units, Buffalo Valley-Pennsylvanian Gas Pool, Chaves County, New Mexico, and for infill findings and in support of its application states:

1. Read & Stevens, Inc. is the operator of the E/2 of Section 12, Township 15 South, Range 27 East, N.M.P.M., Chaves County, New Mexico, which is dedicated to its Trobough "A" State Comm. No. 1 Well located in Unit J of said Section 12.
2. Applicant seeks the establishment of two non-standard gas proration units in the Buffalo Valley-Pennsylvanian Gas Pool; one comprising the SE/4 of said Section 12 as a new 160-acre proration unit to be dedicated to the Trobough "A" State Comm. No. 1 Well and the other comprising the NE/4 of said Section 1 as a new 160-acre proration unit to be dedicated to a well applicant proposes to drill at an unorthodox location.

3. The proposed well will be drilled into the same proration and spacing unit dedicated to the Trobough "A" State Comm. No. 1 Well.

4. That Special Pool Rules for the Buffalo Valley-Pennsylvanian Gas Pool were promulgated by Oil Conservation Division Order R-1670-H on March 4, 1969, which established special requirements for the location of wells in this pool.


5. That applicant seeks an exception to the Special Pool Rules to enable it to locate its proposed well 1320 feet from the North and East lines of the Section.

6. Applicant seeks a determination pursuant to the F.E.R.C. Rules, Part 271.305 that the proposed Trobough "A" State Comm. No. 1 Well is necessary to effectively and efficiently drain a portion of the Buffalo Valley-Pennsylvanian Gas Pool covered by the proposed proration units which cannot be effectively and efficiently drained by any existing well within the proration unit and will offer evidence in support of that determination.

WHEREFORE, Applicant respectfully requests that this matter be set for hearing before the Commission or one of the Division's duly appointed examiners and that after notice and hearing as required by law, the Division enter its order approving the application.

Respectfully submitted,
CAMPBELL AND BLACK, P.A.

By


William F. Carr
Post Office Box 2208
Santa Fe, New Mexico 87501
Attorneys for Applicant

Case _____

Application of Read & Stevens, Inc.
for an Unorthodox Well Location,
Two Non-Standard Proration Units and
Approval of Infill Drilling, Chaves
County, New Mexico.

Applicant in the above-styled cause, seeks approval of two 160-acre non-standard proration units, one comprising the SE/4 of Section 12, Township 15 South, Range 27 East, Buffalo Valley-Pennsylvanian Gas Pool, to be dedicated to its Trobough "A" State Comm. No. 1 ^{unit J} Well, and also a non-standard proration unit comprising the NE/4 of said Section 12 to be dedicated to a well to be drilled at an unorthodox location 1320 feet from the North and East lines of the section; applicant further seeks a waiver of existing well spacing requirements and a finding that the drilling of said well is necessary to effectively and efficiently drain that portion of an existing proration unit which cannot be so drained by the existing well.

DRAFT

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

dr/

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

CASE NO. 7130

Order No. R- 6581

APPLICATION OF READ & STEVENS, INC.
FOR AN UNORTHODOX GAS WELL LOCATION AND TWO
~~FOR A~~ NON-STANDARD ~~PROPRATION UNIT~~, GAS PRORATION UNITS,
CHAVES COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on January 14
19 81, at Santa Fe, New Mexico, before Examiner Richard L. Stamets

NOW, on this _____ day of January, 1981, 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, Read & Stevens, Inc.
seeks approval of ^{two} 160 -acre non-standard gas proration units
in the Buffalo Valley-Pennsylvanian Gas Pool, the first being the
~~xxx comprising the~~ SE/4 of Section 12, Town-
ship 15 South, Range 27 East, NMPM, to be dedicated to
its Trough "A" State Com. Well No. 1 in Unit J, and the other being
~~xxx the NE/4 of said Section 12 to be dedicated~~ located in to a
well to be drilled at an unorthodox location 1315 feet from the North
~~xxx line of the section.~~ line and 1315 feet from the East

(3) That ~~the entire~~ ^{one of said} non-standard proration units may reasonably
be presumed productive of gas from the Buffalo Valley-Pennsylvanian
Gas Pool and that the entire non-standard gas proration unit can
be efficiently and economically drained and developed by the respective
aforesaid wells

(4) That approval of the subject application will afford the applicant the opportunity to produce his just and equitable share of the gas in the Buffalo Valley-Pennsylvanian Gas Pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED: *(1) That Read and Stevens, Inc. is hereby granted*

(2) That ^{two} ~~that~~ a 160 -acre non-standard gas proration units the first in the Buffalo Valley-Pennsylvanian Gas Pool, comprising the SE/4 of Section 12, Township 15 South Range 27 East ^{NMPM,} ~~and the second being the NE/4 of said Section 12~~ Chaves County, New Mexico,

said units ~~are hereby established and dedicated to the Trobough "A" State Com Well No. 1 in Unit J and a well to be drilled at an unorthodox~~ *hereby approved,* ~~located in Unit~~ *location 1315 feet from the North line and 1315 feet from the East line of said Section 12, respectively. xxxxxx*

(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.