

CASE 6623: PENROC OIL CORPORATION FOR
APPROVAL OF INFILL DRILLING AND SIMUL-
TANEOUS DEDICATION, EDDY COUNTY, NEW
MEXICO

CASE NO.

6623

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,

ETC.



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

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

Thomas Kellahin
Kellahin & Kellahin
Attorneys at Law
Post Office Box 1769
Santa Fe, New Mexico

Re: CASE NO. 6623
ORDER NO. R-6098

Applicant:

Penroc Oil Corporation

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	<u>X</u>
Artesia OCD	<u>X</u>
Aztec OCD	

Other

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. 6623
Order No. R-6098

APPLICATION OF PENROC OIL
CORPORATION FOR APPROVAL OF INFILL
DRILLING AND SIMULTANEOUS DEDICATION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on August 8, 1979,
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 10th day of September, 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, Penroc Oil Corporation, seeks a
waiver of existing well spacing requirements and a finding that
the recompletion in the Winchester-Morrow Gas Pool of its Dero
"A" Federal Com Well No. 1 located in Unit N of Section 35, Town-
ship 19 South, Range 28 East, is necessary to effectively and
efficiently drain that portion of the proration unit which
cannot be so drained by the existing well.
- (3) That the applicant further seeks to simultaneously
dedicate an existing 320-acre spacing and proration unit con-
sisting of the S/2 of said Section 35 to said Dero A Federal Com
Well No. 1 and to its Dero Federal Com Well No. 1 located in
Unit P of said Section 35, Winchester-Morrow Gas Pool.
- (4) That provided the applicant renames and renumbers said
well in a logical and orderly manner, said simultaneous dedica-
tion should be approved.

-2-

Case No. 6623
Order No. R-6098

(5) That the applicant's request for dismissal of that part of this case seeking findings that the recompletion of said Dero A Federal Com Well No. 1 is necessary to effectively and efficiently drain the proration unit should be granted.

IT IS THEREFORE ORDERED:

(1) That the applicant, Penroc Oil Corporation, is hereby authorized to simultaneously dedicate its Dero A Federal Com Well No. 1 located in Unit N and its Dero Federal Com Well No. 1 located in Unit P, both in Section 35, Township 19 South, Range 28 East, to a standard 320-acre gas spacing unit consisting of the S/2 of said Section 35, Winchester-Morrow Gas Pool, Eddy County, New Mexico.

PROVIDED HOWEVER, that prior to such simultaneous dedication the applicant shall rename and renumber said wells in a logical and orderly manner as may be approved by the supervisor of the Division's district office in Artesia.

(2) That the portion of the subject application seeking a finding that the recompletion of said Dero A Federal Com Well No. 1 is necessary to drain the proration unit is hereby dismissed.

(3) 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.



S E A L

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Joe D. Ramey
JOE D. RAMEY
Director

fd/

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (SSE) 471-3482
Santa Fe, New Mexico 87501

Page 1

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico
8 August 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Penroc Oil Corpora-) CASE
tion for approval of infill) 6623
drilling and simultaneous dedica-)
tion, Eddy County, New Mexico.)

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation Division: Ernest L. Padilla, Esq.
Legal Counsel for the Division
State Land Office Bldg.
Santa Fe, New Mexico 87503

For the Applicant: W. Thomas Kellahin, Esq.
KELLAHIN & KELLAHIN
500 Don Gaspar
Santa Fe, New Mexico 87501

I N D E X

STERLING TALLEY

Direct Examination by Mr. Kellahin	3
Cross Examination by Mr. Stamets	18

E X H I B I T S

Applicant Exhibit One, Plat	4
Applicant Exhibit Two, Cross Section	7
Applicant Exhibit Three, Well Information Sheet	8
Applicant Exhibit Four, Chart	15
Applicant Exhibit Five, Letter	15

SALLY WALTON BOYD
 CERTIFIED SHORTHAND REPORTER
 3020 Plaza Blanca (306) 471-7463
 Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (SSE) 471-3462
Santa Fe, New Mexico 87501

1 MR. STAMETS: We'll call next Case 6623.

2 MR. PADILLA: Application of Penroc Oil
3 Corporation for approval of infill drilling and simultaneous
4 dedication, Eddy County, New Mexico.

5 MR. KELLAHIN: Tom Kellahin of Santa Fe,
6 New Mexico, appearing on behalf of the applicant and I
7 have one witness to be sworn.

8
9 (Witness sworn.)

10
11
12 STERLING TALLEY
13 being called as a witness and having been duly sworn upon
14 his oath, testified as follows, to-wit:

15
16 DIRECT EXAMINATION

17 BY MR. KELLAHIN:

18 Q Would you please state your name, by whom
19 you're employed, and in what capacity?

20 A My name is Sterling Talley. I'm President
21 of Penroc Oil Corporation, Midland, Texas.

22 Q And, Mr. Talley, have you previously
23 testified before the Oil Conservation Division?

24 A Yes, I have.

25 Q Have your qualifications as an expert wit-

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

1 ness been accepted and made a matter of record?

2 A. Yes.

3 MR. KELLAHIN: We tender Mr. Talley as an
4 expert witness.

5 MR. STAMETS: In what field, please? You
6 are --

7 A. I'm a geologist, a geological engineer.

8 MR. STAMETS: Thank you. The witness is
9 considered qualified.

10 Q. (Mr. Kellahin continuing.) Mr. Talley,
11 would you refer to what we're marked as Exhibit Number One,
12 identify that, and state what Penroc is seeking to accom-
13 plish?

14 A. Exhibit One is a plat on a 1-inch equal
15 to 4000-foot scale, which shows lease ownership and all
16 the wells spudded thereon in the Winchester-Morrow Gas
17 Field and the area surrounding it.

18 What Penroc is wanting to do, of course,
19 is to seek a waiver of existing well spacing requirements
20 and find that a recompletion of our Dero Federal A No. 1
21 Well would be necessary to effectively and efficiently
22 drain this proration unit, which the present well is pro-
23 ducing from the Morrow; our Dero Federal No. 1 Well, will
24 not adequately do, and we hope to produce adequate informa-
25 tion and statistics to prove that point.

1 Q What is the proration assigned to the
2 existing well that currently produces from the Morrow?

3 A Well, to go ahead and explain what's on
4 this exhibit I think will take care of that question.

5 The south half of Section 35, 19 South,
6 28 East, which is outlined in yellow, is the proration unit
7 assigned to the Dero Federal No. 1, which is located 660
8 out of the south and east corner.

9 We also see on this plat seven wells which
10 are indicated, two of those being Penroc's. The other five
11 are the only Morrow wells that have drilled offsetting this
12 half section.

13 You'll notice that all the wells, all
14 seven of them, have been circled in red, and those which
15 do not have color inside were drilled to the Morrow, and
16 they were not completed as Morrow well, being dry in that
17 zone.

18 Those which have a green color were com-
19 pleted as Morrow producers and two of those which have some
20 red whiskers on the outside have been abandoned Morrow pro-
21 ducers since they were completed, which leaves only two
22 wells that are still active producing from the Morrow.

23 We also have on this plat a dotted line
24 which kind of zigzags through all the wells, but is essentially
25 a northwest/southeast cross section that we'll use in our

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

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (S.E.) 471-3462
Santa Fe, New Mexico 87501

1 testimony, being labeled as A-A'.

2 Q Okay. The No. 1 Well was first completed
3 for production from the Morrow on what date, do you recall?
4 Approximately when it was?

5 A In 1972.

6 Q Now the 1-A Well was drilled and completed
7 for production approximately when?

8 A In late 1973; actually completed in early
9 '74.

10 Q From what formations has the 1-A produced?

11 A Well, it was drilled to the Morrow; pipe
12 was set, and then it was dually completed in the Strawn and
13 the Wolfcamp.

14 Q Was the Morrow formation at the time the
15 well was completed tested?

16 A Yes, it was.

17 Q And it's now your desire to open up the
18 Morrow zone in the 1-A Well and produce it simultaneously
19 with the No. 1 Well?

20 A That is correct.

21 MR. KELLAHIN: May we go off the record for
22 a moment?

23 (Thereupon a discussion was
24 had off the record.)

25 Q (Mr. Kellahin continuing.) All right, Mr.

1 Talley, would you refer now to what we have marked as Ex-
2 hibit Number Two and identify that cross section?

3 A. Exhibit Number Two is the cross section
4 I referred to earlier in discussing the plat as being A-A'.
5 It runs essentially northwest/southeast through the Win-
6 chester-Morrow Gas Pool.

7 You'll see that we have put on there the
8 logs from all seven of those wells that the cross section
9 cuts through. The vertical scale being 2-1/2 inches equal
10 100 feet and there is no scale horizontally; they're just
11 equidistant apart.

12 We've put some correlation marks across
13 the upper part of those logs, being a little green tic on
14 there and then a blue one below that to show some similar
15 markers in those wells.

16 The wells themselves are hung on a datum
17 of the Morrow Shale, which is labeled, and then at the
18 bottom of the logs there you'll see the Barnett Shale,
19 which occurs at the base of the Morrow Sand/Shale section.

20 Within the Lower Morrow we have some other
21 correlations. You'll see one is colored purple, which
22 carries in all the wells, but the one that we want to pay
23 particular attention to and emphasize is the sand that's
24 colored yellow, and you'll see that it does go through all
25 the wells but is not nearly as well developed in any well

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3010 Plaza Blanca (906) 471-2162
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (606) 471-2482
Santa Fe, New Mexico 87301

1 with the exception of the Penroc Dero A Federal No. 1.

2 For further information you'll note, too,
3 that in the wellbores we have indicated the DST that was
4 taken in each of these wells by the vertical line labeled
5 as a DST.

6 And then on the righthand side of the
7 wellbore we have shown perforations that were put in the
8 wells when they were in the process of being completed.
9 Those that are colored red are those that were actually
10 completed in the Morrow. Other perforations were tried
11 but were unsuccessful and were abandoned for one reason or
12 another.

13 So if we go on to Exhibit Number Three,
14 we'll use this in conjunction with this cross section, be-
15 cause Exhibit Three is a well information sheet of all
16 these wells showing primarily the DST information that was
17 taken in the Morrow section and also then the perforated
18 sections, the treatments, and the results, as we progress
19 across the cross section from east to west.

20 So if you'll look at that most easterly
21 well, that being the Underwood and Williams Shell Federal
22 No. 1, it was spudded in 1973 and then plugged and abandoned
23 also in 1973.

24 But during the course of the drilling of
25 the well you see that they took three drill stem tests, one

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

1 in the Upper Morrow, and two in the Lower Morrow. The
2 first one recovered only mud and the one in the yellow
3 sandstone, as I refer to it, had gas too small to measure,
4 and then the one right below it also recovered mud.

5 But then in 1974 Estoril Production Com-
6 pany re-entered this well and perforated in the Lower Mor-
7 row from 11,234 to 242, that yellow sandstone section, and
8 recovered only a slight show of gas.

9 It was completed in the Upper Morrow, where
10 you see the red perforations, for a calculated open flow
11 of 3.797-million cubic feet, and we have some cumulative
12 production figures we'll go on to after we get through
13 with this part of it.

14 Then the next well to the west, is the
15 Penroc Dero Federal No. 1. It was spudded in April of
16 1972. It was the discovery well for the Winchester-Morrow
17 Field.

18 Now you'll note there that two drill stem
19 tests were taken, the first one being rather long, took
20 in all the Morrow lime section and most of the Upper Morrow
21 sandstone section. It flowed at the rate of 3.135-million
22 cubic feet per day.

23 And then a subsequent drill stem test of
24 the Lower Morrow showed that it flowed only 93,900
25 cubic feet of gas per day, and a particular significance in

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (505) 471-2482
Santa Fe, New Mexico 87501

1 this is that the flow pressures were only 186 to 350, and
2 even though that the final shut-in pressure was 4437 after
3 three hours, the initial shut-in pressure of one hour was
4 3564.

5 It, coupled with the logs, will indicate
6 that this sand was fairly tight.

7 Now, in the completion process of the well,
8 this yellow sand was perforated by itself, it was fracd
9 and it was swab-tested and all it ever recovered was a
10 weak flow of gas.

11 Then progressing up the hole into the
12 Upper Morrow, you'll see the next set of red perforations
13 were also fracd and swabbed and gas too small to measure.

14 Then the perforations up in the Morrow
15 lime were treated and they flowed 1.4-million cubic feet
16 of gas.

17 All three sets of perforations were com-
18 bined for a completion and the open flow of the well was
19 1,419-million cubic feet.

20 So I think the evidence right there shows
21 that there's very little gas coming from the Lower Morrow
22 sands or the Upper Morrow sands, and in my opinion, nearly
23 all the gas that this well has made has come from the Mor-
24 row limestone.

25 Then we move to the west one location to

1 the Penroc 1-A Federal and we note that during the course
2 of the drilling that two drill stem tests were made in the
3 Morrow section, in the Upper and the Lower.

4 The Upper one we gauged 27,760 cubic feet
5 per day at low flow pressures and low shut-in pressures.

6 The second test, though, which did include
7 the Upper Morrow -- the Lower Morrow sand that's colored
8 yellow there, the upper part of it, you'll see that the
9 flow was 3.697-million; flow pressure ranging from 875 to
10 2934 and the initial and final shut-in pressures were the
11 same, 4473, which is about the highest shut-in pressure
12 that you'll find out here in the Morrow in this particular
13 field.

14 This well had pipe run to the Morrow but
15 was dually completed in the Strawn and the Wolfcamp. At
16 this date the Wolfcamp is expired and the Strawn is a very
17 weak well. It's on a compressor and has been for quite a
18 long time.

19 Now we go on to the Hillin Well, which is
20 south offset to this Penroc Well and we find that he ran
21 two drill stem tests, the most significant one being in the
22 Upper Morrow sandstone section, which flowed 14-million.
23 And he drilled it on to TD. He started his completion pro-
24 gram. The Lower Morrow was perforated below the yellow
25 sand. You'll see four feet of perforations there at about

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

1 11,200; recovered oil-water, squeezed those perforations,
2 came on up to the yellow sand, four feet of perforations.
3 He says, and the records show that 1.2-million cubic feet
4 of gas flowed with a lot of water, and that's the way it's
5 entered in the records.

6 The well was completed in this red set of
7 perforations in Upper Morrow sand. Calculated open flow,
8 13.369-million cubic feet per day.

9 That well, by the way, ceased to produce
10 in 1974 from the Morrow. It was dually completed from the
11 Morrow and the Strawn. It does still produce from the
12 Strawn.

13 Okay, the next well on the cross section
14 to the west of the Hillin Well is Cities Service 1-S
15 Government, being located there in the east half of Section
16 34. You'll note that it had no drill stem test, they made
17 no completion attempt in the Morrow.

18 And the next well west of that one is the
19 Hillin DWU Federal No. 1; ran two drill stem tests in the
20 Morrow, one in the upper, one in the lower, and the upper
21 one recovered 38,300 cubic feet per day on flow, and the
22 next one below that in the Upper Morrow, the yellow sand
23 again, recovered 450 feet of water-cut mud.

24 They did perforate that yellow -- I beg
25 your pardon. They did not perforate the yellow sand. They

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3026 Plaza Blanca (505) 471-3462
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (S95) 471-2462
Santa Fe, New Mexico 87501

1 came on up to the Upper Morrow sand where you see the red
2 perforations. It was completed for a calculated open flow
3 of 1.77-million and it ceased to produce late last year,
4 '78.

5 The last well on the cross section would
6 be the north offset to Penroc's half section in 35, and we
7 see that it ran two drell stem tests, one of which did
8 cover the yellow sandstone, recovered only drilling fluid
9 on both cases.

10 And that's pretty much the story as what
11 you see as far as the testing and completing of these wells
12 were concerned.

13 Q What's the current status of the production
14 from the Strawn and Wolfcamp in the Dero A Federal No. 1
15 Well?

16 A Well, as I pointed out a moment ago, the
17 Wolfcamp no longer produces and the Strawn has become very
18 weak and it's on a compressor and has been for quite some
19 time.

20 Q What is it currently making under com-
21 pression?

22 A About 2-million a month.

23 Q How will you recomplete the well in order
24 to obtain the Morrow production?

25 A We would squeeze the Wolfcamp perforations

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2028 Plaza Blanca (666) 471-2462
Santa Fe, New Mexico 87501

1 and go down and try the Morrow and if we possibly could,
2 we'd see if we could produce the Morrow through the casing
3 and the Strawn through the tubing, although I doubt seriously
4 if the Strawn will ever come back once we kill it. It will
5 probably wind up being a single producer, and if it does,
6 we'll have to squeeze those Strawn perforations.

7 Q Is the Morrow zone to be produced out of
8 the Dero A No. 1 Well the same Morrow zone that has pro-
9 duced out of the Dero No. 1 Well?

10 A Well, yes. We pointed out that the -- in
11 earlier testimony on this cross section, that that yellow
12 sand was perforated and treated but had a very weak flow
13 of gas, so in my opinion, there's hardly any gas that's
14 come from this Lower Morrow sand.

15 Q In your opinion will the 1-A Well recover
16 Morrow gas production that has not been, nor will be, pro-
17 duced from the No. 1 Well?

18 A Very definitely.

19 Q Do you have any recommendations to the
20 Examiner about how you will produce the Morrow production
21 from both wells?

22 A Not at this time. I think that would come
23 after we have perforated and treated the well to see what
24 it would do on initial potential and perhaps produce, say,
25 for thirty days and see what -- what the percentage factor

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2020 Plaza Blanca (966) 471-2462
Santa Fe, New Mexico 87501

1 might be there.

2 Q Is the Winchester-Morrow a prorated gas
3 pool?

4 A No.

5 Q Is it your desire to produce the Morrow
6 formation from both wells either simultaneously or separately?

7 A Simultaneously.

8 Q Would you refer to Exhibits Number Four
9 and Five and identify those for us?

10 A Okay, Exhibit Number Four is a cumulative
11 production chart of the four Morrow wells, the first one
12 being the Dorchester Well located in Section 34, the east
13 half, and as I pointed out earlier, this well ceased to
14 produce in July of '78, and up to that period of time it
15 had made 247,159,000 cubic feet of gas.

16 The Estoril Production well, Shell Federal
17 No. 1, which is in the west half of Section 1, 20 South,
18 28, has made 138,345,000 cubic feet of gas up to April the
19 1st of this year, and you may note there that in January,
20 February, and March it was making 2-1/2 million about, or
21 less, per month.

22 The Hillin Production Company well, JCW
23 State in the north half of Section 2, which last produced
24 from the Morrow in November of '74, did make, well, let's
25 say 1.665-billion cubic feet of gas.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2020 Plaza Blanca (905) 471-2462
Santa Fe, New Mexico 87501

1 And the Penroc Dero Federal No. 1 in the
2 southeast corner of 35, 19 South, 28 East, to date, or
3 rather to April the 1st, 1979, it produced 1,358,906,000
4 cubic feet of gas. You'll note it runs about 13 -- actually,
5 the later months than March, it's shown it's down to about
6 12-million per month now on a compressor.

7 Now the next exhibit, we asked for waiver
8 letters from all the offset operators. The only one we
9 actually heard from was Cities Service, which did give one.

10 Q The closest offset well is the Hillin well
11 to the south in Section 2.

12 A Right.

13 Q That also produced in the Morrow formation
14 but from the cross section it appears as if it produced
15 from a different sand?

16 A Yes, it did, but it no longer produces.

17 Q In your opinion, then, will the No. 1-A
18 Well recover gas from the Winchester-Morrow Gas Pool that
19 has not been produced either by the Hillin offset well to
20 the south or the No. 1 Well in the southeast/southeast of
21 Section 35?

22 A You'll have to run that question by me
23 again.

24 Q All right. Does the No. 1-A Well have
25 potential Morrow production from a Morrow sand that was not

1 produced in the Hillin Production Well in Section Number 2?

2 A. Yes.

3 Q All right. In addition, does the 1-A Well,
4 or will the 1-A Well recover Morrow gas production that
5 has not been, nor will be recovered from the No. 1 Well?

6 A. In my opinion this is true.

7 Q Were Exhibits One through Five prepared
8 by you directly or compiled under your direction and super-
9 vision?

10 A. Yes, they were.

11 Q And will approval of this application be
12 in the best interests of conservation, the prevention of
13 waste, and the protection of correlative rights?

14 A. I think so, yes.

15 Q Do you have an opinion with regards to the
16 amount of additional gas to be recovered from the Morrow
17 formation by this well that will not be recovered by any
18 other well?

19 A. From a volumetric calculation standpoint
20 only, I would estimate 1.1 to 1.4 billion cubic feet of
21 gas.

22 Q Would you summarize briefly what the para-
23 meters used were in your volumetric calculation?

24 A. Taking thickness of the pay sand and the
25 bottom hole pressures as evidenced by drill stem tests and

1 also experience factor of these other wells, of what they
2 recovered from similar type sands.

3 MR. KELLAHIN: We move the introduction
4 of Exhibits One through Five.

5 MR. STAMETS: These exhibits will be ad-
6 mitted.

7 MR. KELLAHIN: That concludes our examin-
8 ation.

9
10 CROSS EXAMINATION

11 BY MR. STAMETS:

12 Q Mr. Talley, if you are successful in
13 getting both the Strawn and the Morrow to produce in this
14 well, you do understand it will be necessary to gain ap-
15 proval of that dual completion or downhole commingling,
16 whichever you --

17 A Yes.

18 Q -- finally achieve? And you should also
19 understand that it will be necessary that both of these
20 wells will have the same lease name in order for them to
21 be simultaneously dedicated to the same acreage.

22 A Labeled as how, possibly?

23 Q Let's see if there are any other questions.

24 MR. STAMETS: Any other questions of the
25 witness? He may be excused.

Anything further in this case?

The case will be taken under advisement.

(Hearing concluded.)

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (995) 471-2483
Santa Fe, New Mexico 87501

REPORTER'S CERTIFICATE

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

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

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 6623 heard by me on 8-8 1977

Richard L. Stunt Examiner
Oil Conservation Division

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2020 Plaza Blanca (605) 471-3462
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (SOS) 471-2462
Santa Fe, New Mexico 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico
8 August 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Penroc Oil Corpora-
tion for approval of infill
drilling and simultaneous dedica-
tion, Eddy County, New Mexico.

CASE
6623

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

Ernest L. Padilla, Esq.
Legal Counsel for the Division
State Land Office Bldg.
Santa Fe, New Mexico 87503

For the Applicant:

W. Thomas Kellahin, Esq.
KELLAHIN & KELLAHIN
500 Don Gaspar
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanco (606) 471-2462
Santa Fe, New Mexico 87501

I N D E X

STERLING TALLEY

Direct Examination by Mr. Kellahin	3
Cross Examination by Mr. Stamets	18

E X H I B I T S

Applicant Exhibit One, Plat	4
Applicant Exhibit Two, Cross Section	7
Applicant Exhibit Three, Well Information Sheet	8
Applicant Exhibit Four, Chart	15
Applicant Exhibit Five, Letter	15

1 MR. STAMETS: We'll call next Case 6623.

2 MR. PADILLA: Application of Penroc Oil
3 Corporation for approval of infill drilling and simultaneous
4 dedication, Eddy County, New Mexico.

5 MR. KELLAHIN: Tom Kellahin of Santa Fe,
6 New Mexico, appearing on behalf of the applicant and I
7 have one witness to be sworn.

8
9 (Witness sworn.)

10
11
12 STERLING TALLEY

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

15
16 DIRECT EXAMINATION

17 BY MR. KELLAHIN:

18 Q Would you please state your name, by whom
19 you're employed, and in what capacity?

20 A My name is Sterling Talley. I'm President
21 of Penroc Oil Corporation, Midland, Texas.

22 Q And, Mr. Talley, have you previously
23 testified before the Oil Conservation Division?

24 A Yes, I have.

25 Q Have your qualifications as an expert wit-

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (SOS) 471-2462
Santa Fe, New Mexico 87301

1 ness been accepted and made a matter of record?

2 A Yes.

3 MR. KELLAHIN: We tender Mr. Talley as an
4 expert witness.

5 MR. STAMETS: In what field, please? You
6 are --

7 A I'm a geologist, a geological engineer.

8 MR. STAMETS: Thank you. The witness is
9 considered qualified.

10 Q (Mr. Kellahin continuing.) Mr. Talley,
11 would you refer to what we're marked as Exhibit Number One,
12 identify that, and state what Penroc is seeking to accom-
13 plish?

14 A Exhibit One is a plat on a 1-inch equal
15 to 4000-foot scale, which shows lease ownership and all
16 the wells spudded thereon in the Winchester-Morrow Gas
17 Field and the area surrounding it.

18 What Penroc is wanting to do, of course,
19 is to seek a waiver of existing well spacing requirements
20 and find that a recompletion of our Dero Federal A No. 1
21 Well would be necessary to effectively and efficiently
22 drain this proration unit, which the present well is pro-
23 ducing from the Morrow, our Dero Federal No. 1 Well, will
24 not adequately do, and we hope to produce adequate informa-
25 tion and statistics to prove that point.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

Q What is the proration assigned to the existing well that currently produces from the Morrow?

A Well, to go ahead and explain what's on this exhibit I think will take care of that question.

The south half of Section 35, 19 South, 28 East, which is outlined in yellow, is the proration unit assigned to the Dero Federal No. 1, which is located 660 out of the south and east corner.

We also see on this plat seven wells which are indicated, two of those being Penroc's. The other five are the only Morrow wells that have drilled offsetting this half section.

You'll notice that all the wells, all seven of them, have been circled in red, and those which do not have color inside were drilled to the Morrow, and they were not completed as Morrow well, being dry in that zone.

Those which have a green color were completed as Morrow producers and two of those which have some red whiskers on the outside have been abandoned Morrow producers since they were completed, which leaves only two wells that are still active producing from the Morrow.

We also have on this plat a dotted line which kind of zigzags through all the wells, but is essentially a northwest/southeast cross section that we'll use in our

1 testimony, being labeled as A-A'.

2 Q Okay. The No. 1 Well was first completed
3 for production from the Morrow on what date, do you recall?
4 Approximately when it was?

5 A In 1972.

6 Q Now the 1-A Well was drilled and completed
7 for production approximately when?

8 A In late 1973; actually completed in early
9 '74.

10 Q From what formations has the 1-A produced?

11 A Well, it was drilled to the Morrow; pipe
12 was set, and then it was dually completed in the Strawn and
13 the Wolfcamp.

14 Q Was the Morrow formation at the time the
15 well was completed tested?

16 A Yes, it was.

17 Q And it's now your desire to open up the
18 Morrow zone in the 1-A Well and produce it simultaneously
19 with the No. 1 Well?

20 A That is correct.

21 MR. KELLAHIN: May we go off the record for
22 a moment?

23 (Thereupon a discussion was
24 had off the record.)

25 Q (Mr. Kellahin continuing.) All right, Mr.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (SOS) 471-2462
Santa Fe, New Mexico 87501

1 Talley, would you refer now to what we have marked as Ex-
2 hibit Number Two and identify that cross section?

3 A Exhibit Number Two is the cross section
4 I referred to earlier in discussing the plat as being A-A'.
5 It runs essentially northwest/southeast through the Win-
6 chester-Morrow Gas Pool.

7 You'll see that we have put on there the
8 logs from all seven of those wells that the cross section
9 cuts through. The vertical scale being 2-1/2 inches equal
10 100 feet and there is no scale horizontally; they're just
11 equidistant apart.

12 We've put some correlation marks across
13 the upper part of those logs, being a little green tic on
14 there and then a blue one below that to show some similar
15 markers in those wells.

16 The wells themselves are hung on a datum
17 of the Morrow Shale, which is labeled, and then at the
18 bottom of the logs there you'll see the Barnett Shale,
19 which occurs at the base of the Morrow Sand/Shale section.

20 Within the Lower Morrow we have some other
21 correlations. You'll see one is colored purple, which
22 carries in all the wells, but the one that we want to pay
23 particular attention to and emphasize is the sand that's
24 colored yellow, and you'll see that it does go through all
25 the wells but is not nearly as well developed in any well

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (505) 471-2492
Santa Fe, New Mexico 87501

1 with the exception of the Penroc Dero A Federal No. 1.

2 For further information you'll note, too,
3 that in the wellbores we have indicated the DST that was
4 taken in each of these wells by the vertical line labeled
5 as a DST.

6 And then on the righthand side of the
7 wellbore we have shown perforations that were put in the
8 wells when they were in the process of being completed.
9 Those that are colored red are those that were actually
10 completed in the Morrow. Other perforations were tried
11 but were unsuccessful and were abandoned for one reason or
12 another.

13 So if we go on to Exhibit Number Three,
14 we'll use this in conjunction with this cross section, be-
15 cause Exhibit Three is a well information sheet of all
16 these wells showing primarily the DST information that was
17 taken in the Morrow section and also then the perforated
18 sections, the treatments, and the results, as we progress
19 across the cross section from east to west.

20 So if you'll look at that most easterly
21 well, that being the Underwood and Williams Shell Federal
22 No. 1, it was spudded in 1973 and then plugged and abandoned
23 also in 1973.

24 But during the course of the drilling of
25 the well you see that they took three drill stem tests, one

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3036 Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

1 in the Upper Morrow, and two in the Lower Morrow. The
2 first one recovered only mud and the one in the yellow
3 sandstone, as I refer to it, had gas too small to measure,
4 and then the one right below it also recovered mud.

5 But then in 1974 Estoril Production Com-
6 pany re-entered this well and perforated in the Lower Mor-
7 row from 11,234 to 242, that yellow sandstone section, and
8 recovered only a slight show of gas.

9 It was completed in the Upper Morrow, where
10 you see the red perforations, for a calculated open flow
11 of 3.797-million cubic feet, and we have some cumulative
12 production figures we'll go on to after we get through
13 with this part of it.

14 Then the next well to the west, is the
15 Penroc Dero Federal No. 1. It was spudded in April of
16 1972. It was the discovery well for the Winchester-Morrow
17 Field.

18 Now you'll note there that two drill stem
19 tests were taken, the first one being rather long, took
20 in all the Morrow lime section and most of the Upper Morrow
21 sandstone section. It flowed at the rate of 3.135-million
22 cubic feet per day.

23 And then a subsequent drill stem test of
24 the Lower Morrow showed that it flowed only 93,900
25 cubic feet of gas per day, and a particular significance in

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (505) 471-2452
Santa Fe, New Mexico 87501

1 this is that the flow pressures were only 186 to 350, and
2 even though that the final shut-in pressure was 4437 after
3 three hours, the initial shut-in pressure of one hour was
4 3564.

5 It, coupled with the logs, will indicate
6 that this sand was fairly tight.

7 Now, in the completion process of the well,
8 this yellow sand was perforated by itself, it was fracd
9 and it was swab-tested and all it ever recovered was a
10 weak flow of gas.

11 Then progressing up the hole into the
12 Upper Morrow, you'll see the next set of red perforations
13 were also fracd and swabbed and gas too small to measure.

14 Then the perforations up in the Morrow
15 lime were treated and they flowed 1.4-million cubic feet
16 of gas.

17 All three sets of perforations were com-
18 bined for a completion and the open flow of the well was
19 1.419-million cubic feet.

20 So I think the evidence right there shows
21 that there's very little gas coming from the Lower Morrow
22 sands or the Upper Morrow sands, and in my opinion, nearly
23 all the gas that this well has made has come from the Mor-
24 row limestone.

25 Then we move to the west one location to

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (G95) 471-2462
Santa Fe, New Mexico 87501

1 the Penroc 1-A Federal and we note that during the course
2 of the drilling that two drill stem tests were made in the
3 Morrow section, in the Upper and the Lower.

4 The Upper one we gauged 27,760 cubic feet
5 per day at low flow pressures and low shut-in pressures.

6 The second test, though, which did include
7 the Upper Morrow -- the Lower Morrow sand that's colored
8 yellow there, the upper part of it, you'll see that the
9 flow was 3.697-million; flow pressure ranging from 875 to
10 2934 and the initial and final shut-in pressures were the
11 same, 4473, which is about the highest shut-in pressure
12 that you'll find out here in the Morrow in this particular
13 field.

14 This well had pipe run to the Morrow but
15 was dually completed in the Strawn and the Wolfcamp. At
16 this date the Wolfcamp is expired and the Strawn is a very
17 weak well. It's on a compressor and has been for quite a
18 long time.

19 Now we go on to the Hillin Well, which is
20 south offset to this Penroc Well and we find that he ran
21 two drill stem tests, the most significant one being in the
22 Upper Morrow sandstone section, which flowed 14-million.
23 And he drilled it on to TD. He started his completion pro-
24 gram. The Lower Morrow was perforated below the yellow
25 sand. You'll see four feet of perforations there at about
26

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3929 Plaza Blanca (608) 471-2462
Santa Fe, New Mexico 87501

1 11,200; recovered oil-water, squeezed those perforations,
2 came on up to the yellow sand, four feet of perforations.
3 He says, and the records show that 1.2-million cubic feet
4 of gas flowed with a lot of water, and that's the way it's
5 entered in the records.

6 The well was completed in this red set of
7 perforations in Upper Morrow sand. Calculated open flow,
8 13.369-million cubic feet per day.

9 That well, by the way, ceased to produce
10 in 1974 from the Morrow. It was dually completed from the
11 Morrow and the Strawn. It does still produce from the
12 Strawn.

13 Okay, the next well on the cross section
14 to the west of the Hillin Well is Cities Service 1-S
15 Government, being located there in the east half of Section
16 34. You'll note that it had no drill stem test, they made
17 no completion attempt in the Morrow.

18 And the next well west of that one is the
19 Hillin DWU Federal No. 1; ran two drill stem tests in the
20 Morrow, one in the upper, one in the lower, and the upper
21 one recovered 38,300 cubic feet per day on flow, and the
22 next one below that in the Upper Morrow, the yellow sand
23 again, recovered 450 feet of water-cut mud.

24 They did perforate that yellow -- I beg
25 your pardon. They did not perforate the yellow sand. They

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (G05) 471-2482
Santa Fe, New Mexico 87501

1 came on up to the Upper Morrow sand where you see the red
2 perforations. It was completed for a calculated open flow
3 of 1.77-million and it ceased to produce late last year,
4 '78.

5 The last well on the cross section would
6 be the north offset to Penroc's half section in 35, and we
7 see that it ran two drell stem tests, one of which did
8 cover the yellow sandstone, recovered only drilling fluid
9 on both cases.

10 And that's pretty much the story as what
11 you see as far as the testing and completing of these wells
12 were concerned.

13 Q What's the current status of the production
14 from the Strawn and Wolfcamp in the Dero A Federal No. 1
15 Well?

16 A Well, as I pointed out a moment ago, the
17 Wolfcamp no longer produces and the Strawn has become very
18 weak and it's on a compressor and has been for quite some
19 time.

20 Q What is it currently making under com-
21 pression?

22 A About 2-million a month.

23 Q How will you recomplete the well in order
24 to obtain the Morrow production?

25 A We would squeeze the Wolfcamp perforations

1 and go down and try the Morrow and if we possibly could,
2 we'd see if we could produce the Morrow through the casing
3 and the Strawn through the tubing, although I doubt seriously
4 if the Strawn will ever come back once we kill it. It will
5 probably wind up being a single producer, and if it does,
6 we'll have to squeeze those Strawn perforations.

7 Q Is the Morrow zone to be produced out of
8 the Dero A No. 1 Well the same Morrow zone that has pro-
9 duced out of the Dero No. 1 Well?

10 A Well, yes. We pointed out that the -- in
11 earlier testimony on this cross section, that that yellow
12 sand was perforated and treated but had a very weak flow
13 of gas, so in my opinion, there's hardly any gas that's
14 come from this Lower Morrow sand.

15 Q In your opinion will the 1-A Well recover
16 Morrow gas production that has not been, nor will be, pro-
17 duced from the No. 1 Well?

18 A Very definitely.

19 Q Do you have any recommendations to the
20 Examiner about how you will produce the Morrow production
21 from both wells?

22 A Not at this time. I think that would come
23 after we have perforated and treated the well to see what
24 it would do on initial potential and perhaps produce, say,
25 for thirty days and see what -- what the percentage factor

1 might be there.

2 Q Is the Winchester-Morrow a prorated gas
3 pool?

4 A No.

5 Q Is it your desire to produce the Morrow
6 formation from both wells either simultaneously or separately?

7 A Simultaneously.

8 Q Would you refer to Exhibits Number Four
9 and Five and identify those for us?

10 A Okay, Exhibit Number Four is a cumulative
11 production chart of the four Morrow wells, the first one
12 being the Dorchester Well located in Section 34, the east
13 half, and as I pointed out earlier, this well ceased to
14 produce in July of '78, and up to that period of time it
15 had made 247,159,000 cubic feet of gas.

16 The Estoril Production well, Shell Federal
17 No. 1, which is in the west half of Section 1, 20 South,
18 28, has made 138,345,000 cubic feet of gas up to April the
19 1st of this year, and you may note there that in January,
20 February, and March it was making 2-1/2 million about, or
21 less, per month.

22 The Hillin Production Company well, JCW
23 State in the north half of Section 2, which last produced
24 from the Morrow in November of '74, did make, well, let's
25 say 1.665-billion cubic feet of gas.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3010 Plaza Blanca (Q66) 471-2462
Santa Fe, New Mexico 87501

1 And the Penroc Dero Federal No. 1 in the
2 southeast corner of 35, 19 South, 28 East, to date, or
3 rather to April the 1st, 1979, it produced 1,358,906,000
4 cubic feet of gas. You'll note it runs about 13 -- actually
5 the later months than March, it's shown it's down to about
6 12-million per month now on a compressor.

7 Now the next exhibit, we asked for waiver
8 letters from all the offset operators. The only one we
9 actually heard from was Cities Service, which did give one.

10 Q The closest offset well is the Hillin well
11 to the south in Section 2.

12 A Right.

13 Q That also produced in the Morrow formation
14 but from the cross section it appears as if it produced
15 from a different sand?

16 A Yes, it did, but it no longer produces.

17 Q In your opinion, then, will the No. 1-A
18 Well recover gas from the Winchester-Morrow Gas Pool that
19 has not been produced either by the Hillin offset well to
20 the south or the No. 1 Well in the southeast/southeast of
21 Section 35?

22 A You'll have to run that question by me
23 again.

24 Q All right. Does the No. 1-A Well have
25 potential Morrow production from a Morrow sand that was not

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (606) 471-2462
Santa Fe, New Mexico 87501

1 produced in the Hillin Production Well in Section Number 2?

2 A. Yes.

3 Q All right. In addition/ does the 1-A Well,
4 or will the 1-A Well recover Morrow gas production that
5 has not been, nor will be recovered from the No. 1 Well?

6 A In my opinion this is true.

7 Q Were Exhibits One through Five prepared
8 by you directly or compiled under your direction and super-
9 vision?

10 A Yes, they were.

11 Q And will approval of this application be
12 in the best interests of conservation, the prevention of
13 waste, and the protection of correlative rights?

14 A I think so, yes.

15 Q Do you have an opinion with regards to the
16 amount of additional gas to be recovered from the Morrow
17 formation by this well that will not be recovered by any
18 other well?

19 A From a volumetric calculation standpoint
20 only, I would estimate 1.1 to 1.4 billion cubic feet of
21 gas.

22 Q Would you summarize briefly what the para-
23 meters used were in your volumetric calculation?

24 A Taking thickness of the pay sand and the
25 bottom hole pressures as evidenced by drill stem tests and

1 also experience factor of these other wells, of what they
2 recovered from similar type sands.

3 MR. KELLAHIN: We move the introduction
4 of Exhibits One through Five.

5 MR. STAMETS: These exhibits will be ad-
6 mitted.

7 MR. KELLAHIN: That concludes our examin-
8 ation.

9
10 CROSS EXAMINATION

11 BY MR. STAMETS:

12 Q Mr. Talley, if you are successful in
13 getting both the Strawn and the Morrow to produce in this
14 well, you do understand it will be necessary to gain ap-
15 proval of that dual completion or downhole commingling,
16 whichever you --

17 A Yes.

18 Q -- finally achieve? And you should also
19 understand that it will be necessary that both of these
20 wells will have the same lease name in order for them to
21 be simultaneously dedicated to the same acreage.

22 A Labeled as how, possibly?

23 Q Let's see if there are any other questions.

24 MR. STAMETS: Any other questions of the
25 witness? He may be excused.

Anything further in this case?

The case will be taken under advisement.

(Hearing concluded.)

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3034 Plaza Blanca (SOS) 471-2452
Santa Fe, New Mexico 87501

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

REPORTER'S CERTIFICATE

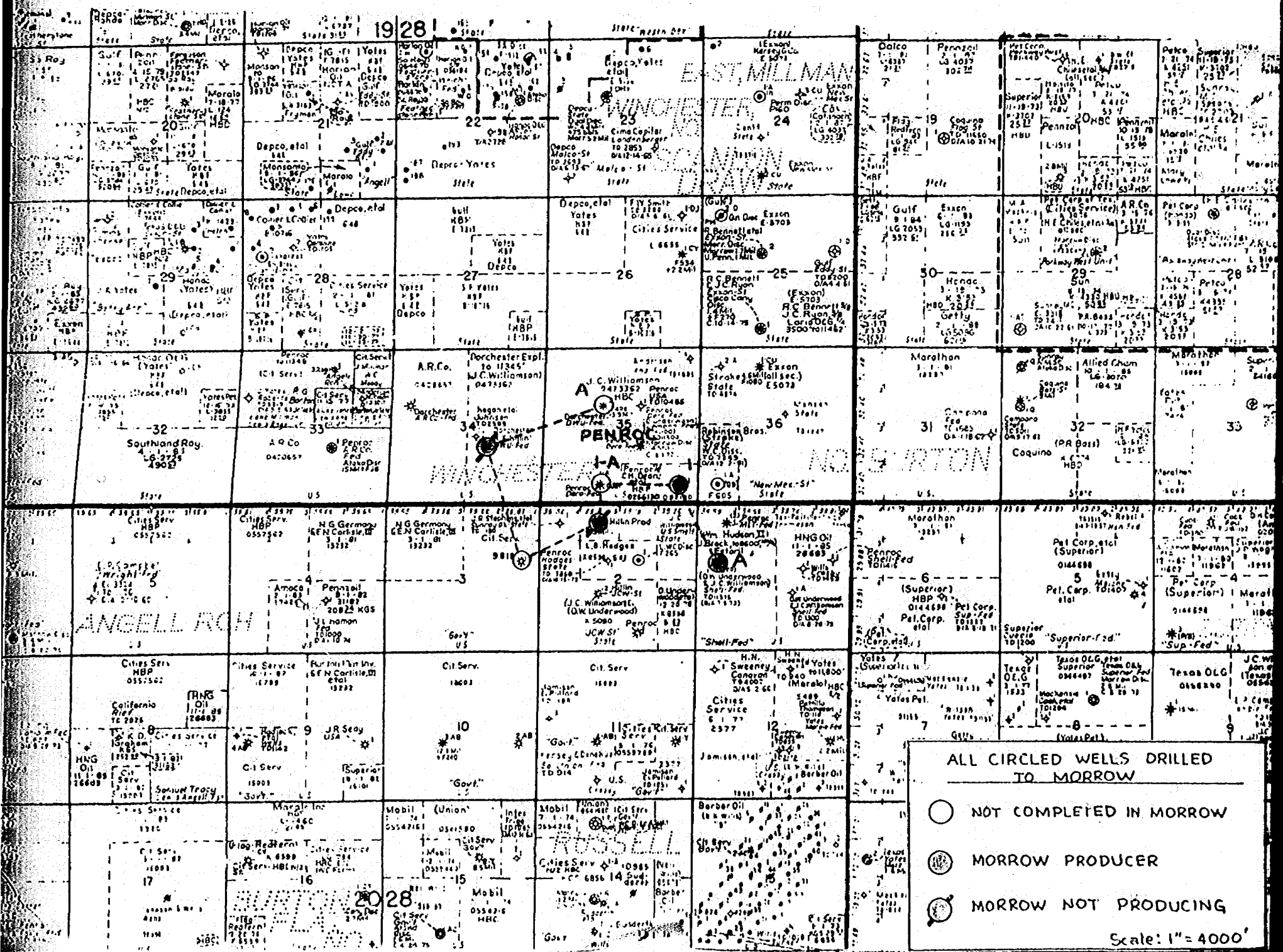
I, SALLY WALTON BOYD, a Court Reporter, DO HEREBY
 CERTIFY that the foregoing and attached Transcript of
 Hearing before the Oil Conservation Division was reported
 by me; that said transcript is a full, true, and correct
 record of the hearing, prepared by me to the best of my
 ability, knowledge, and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

Sally W. Boyd, C.S.R.

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

_____, Examiner
 Oil Conservation Division

SALLY WALTON BOYD
 CERTIFIED SHORTHAND REPORTER
 3020 Plaza Blanca (SOS) 471-2463
 Santa Fe, New Mexico 87501



COMMISSION HEARING
August 8, 1979

CASE NO. 6623

BEFORE EXAMINER STATES
OIL CONSERVATION DIVISION

Penroc EXHIBIT NO. 3

CASE NO. 6623

Submitted by _____

Hearing Date _____

PENROC OIL CORPORATION
Dero "A" Federal No. 1 Well

WELL INFORMATION

1. Underwood & Williamson

Shell Federal No. 1 - SW NW 1-20S-28E

Spud 5/4/73. P&A 6/23/73.

DST 10980-11177 (Upper Morrow). Rec. 282' drlg. mud.

*DST 11225 - 11250 (Lower Morrow). GTS 29" TSTM, Rec. 710'
drlg. mud & salt wtr. FP 275-266, ISIP-4365, FSIP-4465

DST 11270-11317 (Lower Morrow). Rec. 280' mud, 3350'
salt water.

Estoril Production Co. re-entered 8/7/74.

*PERF. 11234-11242 (Lower Morrow). After acid & frac swbd
sw w/sli sho gas BP@ 11,200'.

PERF. 11067, 069, 071, 073, 081, 105, 107, 109, 113
(Upper Morrow). A/2000. SWF 16,000 x 15,375#
COF 3,797 MCFGPD, 10/7/74.

2. Penroc Oil Corporation

Dero Federal No. 1 - SE SE 35-19S-28E

Spud 4/11/72. TD reached 5/24/72.

DST 10,740 - 11,075 (Upper Morrow). GTS 19 min. Flo rate
of 3.135 million CFGPD. Rec. 728' GCM, FP 747-981,
60" ISIP 4942, 90" FSIP 4896.

*DST 11,173 - 11,260 (Lower Morrow). GTS 25 min.,
gauged 93,900 CFPD. Rec. 390' GCM + 400' salt water.
60" ISIP 3564, FP 186-350, 3 hr. FSIP 4437.

*PERF. 11185 - 11208 (Lower Morrow). After water frac had
weak blo gas and swbing frac wtr. Otis pkr. w/expendable
plug at 11,150'.

PERF. 11033 - 11041'

11058 - 11072' thru tubing w/ 1"/16" ceramic gun

11084 - 11088'

After frac and testing had gas TSTM.

Well Information Cont'd.

PERF. 10769 - 10782', 10792 - 10806', 10811 - 10819'
(Upper Morrow Lime). Strong blo gas. Frac & test
1 - 1.4 million CFPD, combined all zones, flo 1,419
MCFG, potential 6/20/72. 300# FTP. Put on Phillips
low press. line 12/19/72. Later put on compressor.

3. Penroc Oil Corporation

Dero "A" Federal No. 1 - SE SW 35-19S-28E

Spud 10/5/73. TD reached 11/18/73. Comp. 2/4/74.

DST 10,910 - 11,085' (Upper Morrow). GTS 40 min.

Gauged max. 27,760 CFPD. FP229-321,

60" ISIP - 1537, 4 hr. FSIP 3755

*DST 11,081 - 11,181' (Lower Morrow) GTS 8 min.

Max gauge 3.697 Million CFPD. Rec. 440' GCM + 10'

condensate + 30' filtrate wtr. FP 875-2934, 90" ISIP 4473,
5 hr. FSIP 4473.

Dual completed in Strawn and Wolfcamp.

4. Hillin Production Company

JCW-State Comm. No. 1 - NE NW 2-20S-28E

Spud 2/21/73.

DST 10790 - 10,956' (Upper Morrow) GTS 5 min. est 435,000

CFPD, Rec. 675' GC drlg. fluid. FP 327-281

90" ISIP 4871, 3 hr. FSIP 4871

DST 10,956 - 11,080' (Upper Morrow). GTS 2 min., flo 14

million 1/2" ch., SFP 2100#, rec. 60' wtr + 30' condensate,

FP 3986 - 4023, 60" ISIP 4481, 2 hr. FSIP 4481.

PERF. 11,196 - 11,200 (Lower Morrow). Swbd. SW. Squeezed
perfs.

*PERF. 11,158 - 11,162 (Lower Morrow). F/est. 1,200 MCFCPD
w/lots wtr.

PERF. 11,038' - 11,050' (Upper Morrow). A/3200, COF

13,369,000 CFPD. Comp. 4/19/73.

Entered 8/25/74 & completed Strawn. Potential date 9/25/74.

No new work on Morrow.

Commission Hearing - Case No. 6623
August 8, 1979
Page 3.

Well Information Cont'd.

5. Cities Service Company

Government 1-S - SE NE 3-20S-28E

No DST's or perfs in Morrow.
Was completed as Atoka gas well.

6. Dorchester Exploration, Inc.

DWU - Federal No. 1 - NW SE 34-19S-28E
(Formerly reported as Hillin Production Co.)

Spud 12/20/72.

DST 10,976 - 11,046' (Upper Morrow). GTS 75 min.

Max. gauge 38,300 CFPD. Rec. 1100' GCWB + 130' GCM.

FP 64-64, 60" ISIP 2538, 6 hr. FSIP 4413

*DST 11,125 - 11,161' (Lower Morrow) Rec. 450' WCM

FP 160-213, 60" ISIP 4453, 4 hr. FSIP 4453

PERF. 11,031 - 11,051' (Upper Morrow) A/4000, Frac 16000 x
13000#, COF 1,770,000 CFPD. Potentialized 5/4/73.

7. Dorchester Exploration, Inc.

DWU - Federal No. 2 - SE NW 35-19S-28E

Spud 6/25/73.

DST 10,996 - 11,136' (Upper Morrow). Rec 420' drlg. fluid.

FP 241-306, 60" ISIP 394, 3 hr. FSIP 2341

*DST 10998 - 11180' (Upper & Lower Morrow). Rec. 540'

drlg. fluid. FP 350-372, 60" ISIP 481, 3 hr. FSIP 1355,
dry in Morrow.

Completed as Wolfcamp producer.

Potentialized 8/30/73.

WINCHESTER MORROW

COMPANY AND WELL NAME

ACCUMULATIVE PRODUCTION
Gas (MCF) Oil (Bbls)

Dorchester Exploration, Inc., DWU Federal No. 1
Sec. 34-T19S-R28E

To 1/1/79 247,159 4,085
(last production shown in 7/78)

Estoril Production Corp., Shell-Federal No. 1
Sec. 1-T20S-R28E

To 1/1/79	131,321	791
1/79	2,599	8
2/79	1,721	6
3/79	2,704	22
Total to 4/1/79	138,345	827

Hillin Production Co., JCW-State No. 1
Sec. 2-T20S-R28E

To 1/1/79 1,665,537 19,330
(last production date 11/74)

Penroc Oil Corp., Dero-Federal No. 1
Sec. 35-T19S-R28E

To 1/1/79	1,316,686	9,671
1/79	15,068	108
2/79	13,175	97
3/79	13,977	86
Total to 4/1/79	1,358,906	9,962

*Now 12000 on
Compressor*

BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION	
<u>Penroc</u>	EXHIBIT NO. <u>4</u>
CASE NO. <u>6623</u>	
Submitted by. _____	
Hearing Date _____	

July 12, 1979

Penroc Oil Corporation
P. O. Drawer 831
Midland, Texas 79702

Gentlemen:

Subject: Notice of Waiver

As an offset operator, the undersigned offers no objection to a plan whereby Penroc Oil Corporation proposes to seek by public hearing before the New Mexico Oil Conservation Division, approval to effect completion for gas from a Lower Morrow sand section in Penroc's Dero "A" Federal No. 1 well which is located 1980' FWL and 660' FSL, Section 35, T-19-S, R-28-E, Eddy County, New Mexico.

Very truly yours,

CITIES SERVICE COMPANY

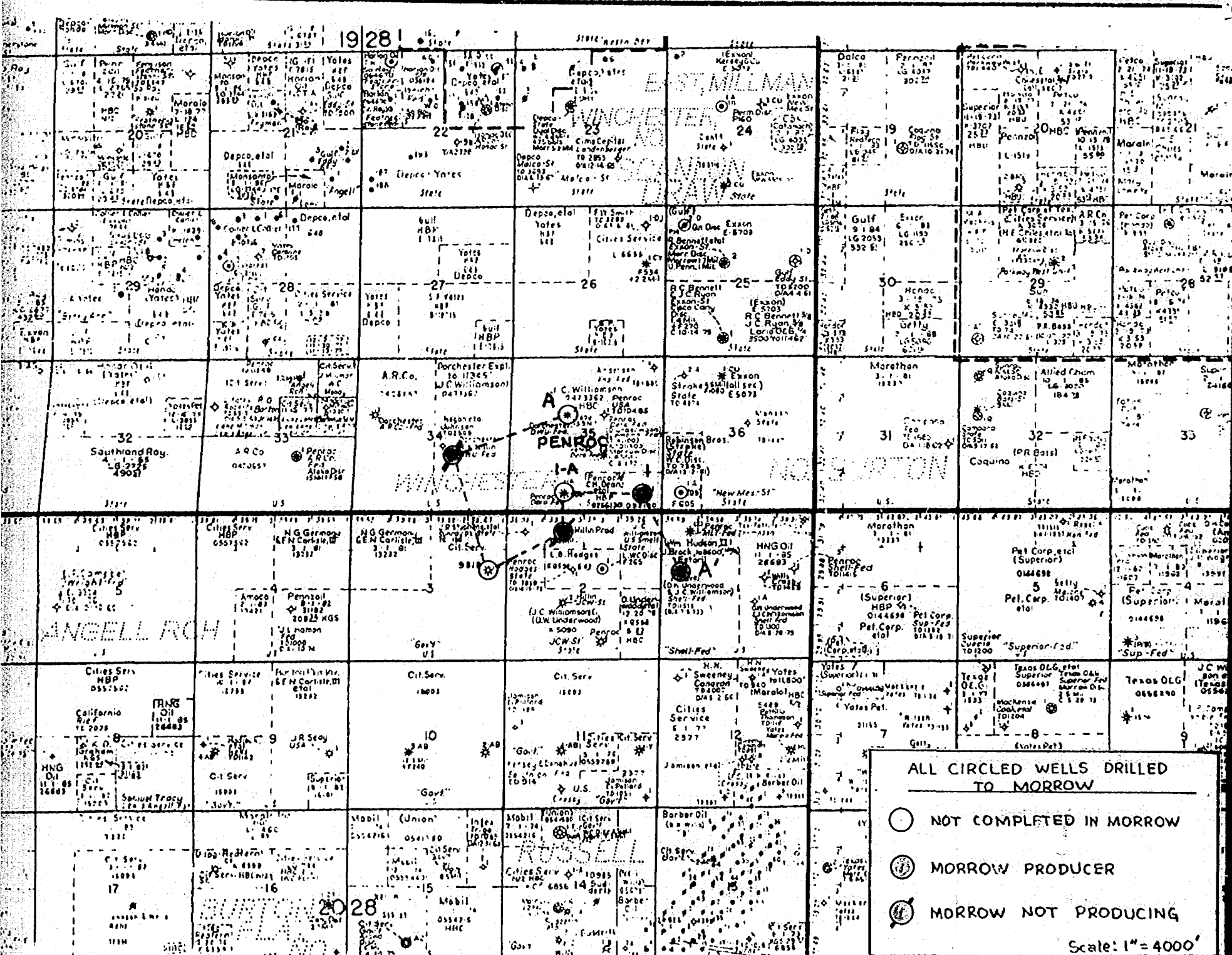
By



Title Region Engineering Manager

Executed this 16th day of July, 1979.

BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION	
Penroc	EXHIBIT NO. <u>5</u>
CASE NO.	<u>6623</u>
Submitted by	_____
Hearing Date	_____



COMMISSION HEARING
August 8, 1979

CASE NO. 6623

Exhibit 3

PENROC OIL CORPORATION
Dero "A" Federal No. 1 Well

WELL INFORMATION

1. Underwood & Williamson

Shell Federal No. 1 - SW NW 1-20S-28E

Spud 5/4/73. P&A 6/23/73.

DST 10980-11177 (Upper Morrow). Rec. 282' drlg. mud.

*DST 11225 - 11250 (Lower Morrow). GTS 29" TSTM, Rec. 710'
drlg. mud & salt wtr. FP 275-266, ISIP-4365, FSIP-4465

DST 11270-11317 (Lower Morrow). Rec. 280' mud, 3350'
salt water.

Estoril Production Co. re-entered 8/7/74.

*PERF. 11234-11242 (Lower Morrow). After acid & frac swbd
sw w/sli sho gas BP@ 11,200'.

PERF. 11067, 069, 071, 073, 081, 105, 107, 109, 113
(Upper Morrow). A/2000. SWF 16,000 x 15,375#
COF 3,797 MCFGPD, 10/7/74.

2. Penroc Oil Corporation

Dero Federal No. 1 - SE SE 35-19S-28E

Spud 4/11/72. TD reached 5/24/72.

DST 10,740 - 11,075 (Upper Morrow). GTS 19 min. Flo rate
of 3.135 million CFGPD. Rec. 728' GCM, FP 747-981,
60" ISIP 4942, 90" FSIP 4896.

*DST 11,173 - 11,260 (Lower Morrow). GTS 25 min.,
gauged 93,900 CFPD. Rec. 390' GCM + 400' salt water.
60" ISIP 3564, FP 186-350, 3 hr. FSIP 4437.

*PERF. 11185 - 11208 (Lower Morrow). After water frac had
weak blo gas and swbing frac wtr. Otis pkr. w/expendable
plug at 11,150'.

PERF. 11033 - 11041'

11058 - 11072' thru tubing w/ 1"/16" ceramic gun

11084 - 11088'

After frac and testing had gas TSTM.

Commission Hearing - Case No. 6623
August 8, 1979
Page 2.

Well Information Cont'd.

PERF. 10769 - 10782', 10792 - 10806', 10811 - 10819'
(Upper Morrow Lime). Strong blo gas. Frac & test
1 - 1.4 million CFGPD, combined all zones, flo 1,419
MCFG, potential 6/20/72. 300# FTP. Put on Phillips
low press. line 12/19/72. Later put on compressor.

3. Penroc Oil Corporation

Dero "A" Federal No. 1 - SE SW 35-19S-28E

Spud 10/5/73. TD reached 11/18/73. Comp. 2/4/74.

DST 10,910 - 11,085' (Upper Morrow). GTS 40 min.

Gauged max. 27,760 CFPD. FP229-321,

60" ISIP - 1537, 4 hr. FSIP 3755

*DST 11,081 - 11,181' (Lower Morrow) GTS 8 min.

Max gauge 3.697 Million CFPD. Rec. 440' GCM + 10'

condensate + 30' filtrate wtr. FP 875-2934, 90" ISIP 4473,

5 hr. FSIP 4473.

Dual completed in Strawn and Wolfcamp.

4. Hillin Production Company

JCW-State Comm. No. 1 - NE NW 2-20S-28E

Spud 2/21/73.

DST 10790 - 10,956' (Upper Morrow) GTS 5 min. est 435,000

CFPD, Rec. 675' GC drlg. fluid. FP 327-281

90" ISIP 4871, 3 hr. FSIP 4871

DST 10,956 - 11,080' (Upper Morrow). GTS 2 min., flo 14

million 1/2" ch., SFP 2100#, rec. 60' wtr + 30' condensate,

FP 3986 - 4023, 60" ISIP 4481, 2 hr. FSIP 4481.

PERF. 11,196 - 11,200 (Lower Morrow). Swbd. SW. Squeezed
perfs.

*PERF. 11,158 - 11,162 (Lower Morrow). F/est. 1,200 MCFGPD
w/lots wtr.

PERF. 11,038' - 11,050' (Upper Morrow). A/3200, COF

13,369,000 CFGPD. Comp. 4/19/73.

Entered 8/25/74 & completed Strawn. Potential date 9/25/74.

No new work on Morrow.

Commission Hearing - Case No. 6623
August 8, 1979
Page 3.

Well Information Cont'd.

5. Cities Service Company

Government 1-S - SE NE 3-20S-28E

No DST's or perfs in Morrow.

Was completed as Atoka gas well.

6. Dorchester Exploration, Inc.

DWU - Federal No. 1 - NW SE 34-19S-28E

(Formerly reported as Hillin Production Co.)

Spud 12/20/72.

DST 10,976 - 11,046' (Upper Morrow). GTS 75 min.

Max. gauge 38,300 CFPD. Rec. 1100' GCWB + 130' GCM.

FP 64-64, 60" ISIP 2538, 6 hr. FSIP 4413

*DST 11,125 - 11,161' (Lower Morrow) Rec. 450' WCM

FP 160-213, 60" ISIP 4453, 4 hr. FSIP 4453

PERF. 11,031 - 11,051' (Upper Morrow) A/4000, Frac 16000 x
13000#, COF 1,770,000 CFPD. Potentialled 5/4/73.

7. Dorchester Exploration, Inc.

DWU - Federal No. 2 - SE NW 35-19S-28E

Spud 6/25/73.

DST 10,996 - 11,136' (Upper Morrow). Rec 420' drlg. fluid.

FP 241-306, 60" ISIP 394, 3 hr. FSIP 2341

*DST 10998 - 11180' (Upper & Lower Morrow). Rec. 540'

drlg. fluid. FP 350-372, 60" ISIP 481, 3 hr. FSIP 1355,
dry in Morrow.

Completed as Wolfcamp producer.

Potentialled 8/30/73.

WINCHESTER MORROW

<u>COMPANY AND WELL NAME</u>	<u>ACCUMULATIVE PRODUCTION</u>	
	<u>Gas (MCF)</u>	<u>Oil (Bbls)</u>
<u>Dorchester Exploration, Inc.</u> , DWU Federal No. 1 Sec. 34-T19S-R28E		
To 1/1/79	247,159	4,085
(last production shown in 7/78)		
<u>Estoril Production Corp.</u> , Shell-Federal No. 1 Sec. 1-T20S-R28E		
To 1/1/79	131,321	791
1/79	2,599	8
2/79	1,721	6
3/79	2,704	22
Total to 4/1/79	138,345	827
<u>Hillin Production Co.</u> , JCW-State No. 1 Sec. 2-T20S-R28E		
To 1/1/79	1,665,537	19,330
(last production date 11/74)		
<u>Penroc Oil Corp.</u> , Dero-Federal No. 1 Sec. 35-T19S-R28E		
To 1/1/79	1,316,686	9,671
1/79	15,068	108
2/79	13,175	97
3/79	13,977	86
Total to 4/1/79	1,358,906	9,962

Exhibit 4
Case 6623

July 12, 1979

Penroc Oil Corporation
P. O. Drawer 831
Midland, Texas 79702

Gentlemen:

Subject: Notice of Waiver

As an offset operator, the undersigned offers no objection to a plan whereby Penroc Oil Corporation proposes to seek by public hearing before the New Mexico Oil Conservation Division, approval to effect completion for gas from a Lower Morrow sand section in Penroc's Dero "A" Federal No. 1 well which is located 1980' FWL and 660' FSL, Section 35, T-19-S, R-28-E, Eddy County, New Mexico.

Very truly yours,

CITIES SERVICE COMPANY

By



Title Region Engineering Manager

Executed this 16th day of July, 1979.

Exhibit 5
case 6623

CASE 6601: (Continued from July 25, 1979, Examiner Hearing)

Application of Harvey E. Yates Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp through Mississippian formations underlying the E/2 of Section 8, Township 14 South, Range 36 East, 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 6622: Application of Adams Exploration Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Penn formations underlying the N/2 of Section 15, Township 24 South, Range 28 East, 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 6623: Application of Penroc Oil Corporation for approval of infill drilling and simultaneous dedication, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well spacing requirements and a finding that the recompletion in the Morrow formation of its Dero "A" Federal Well No. 1 located in Unit N of Section 35, Township 19 South, Range 28 East, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.

CASE 6624: Application of Belco Petroleum Corporation for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well spacing requirements and a finding that the drilling of a well to be located in Unit K of Section 31, Township 9 South, Range 33 East, Flying "M"-San Andres Pool, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.

CASE 6625: Application of Mewbourne Oil Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Morrow test well to be located 660 feet from the North line and 1315 feet from the East line of Section 30, Township 20 South, Range 27 East, the E/2 of said Section 30 to be dedicated to the well.

CASE 6603: (Continued from July 25, 1979, Examiner Hearing)

Application of Conoco Inc. for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Penrose Skelly and Eumont production in the wellbore of its Hawk B-1 Well No. 12 located in Unit O of Section 8, Township 21 South, Range 37 East.

CASE 6587: (Continued and Readvertised)

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 Kirtland Well No. 4 located 1450 feet from the North line and 595 feet from the West line of Section 18, Township 29 North, Range 14 West.

Docket No. 31-79

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 15, 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:

- ALLOWABLE:
- (1) Consideration of the allowable production of gas for September, 1979, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for September, 1979, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

77
Dan,

Tom Kellahin called
to request that the appli-
cation of Petroc for an
NGPA determination also
show simultaneous dedi-
cation of both wells to the
S/2 of Section 35.

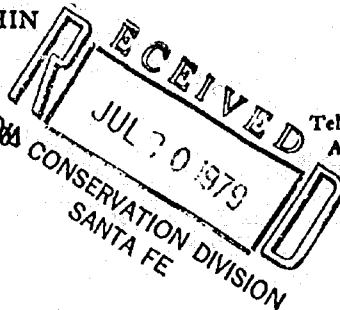
this is for the August
8 hearing.

Jason Kellahin
W. Thomas Kellahin
Karen Aubrey

KELLAHIN and KELLAHIN

Attorneys at Law
500 Don Gaspar Avenue
Post Office Box 1769
Santa Fe, New Mexico 87504

July 19, 1979



Telephone 982-4285
Area Code 505

Mrs. Florene Davidson
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Case 6623

Re: Penroc Oil Corporation

Dear Florene:

This will confirm our telephone conversation of July 19, 1979, in which I requested that our Application on behalf of Penroc filed for hearing on August 8, 1979 be amended to include a hearing for the simultaneous dedication of the two subject wells to the S/2 of Section 35 for production from the Morrow formation.

Very truly yours,

A handwritten signature in dark ink, appearing to read "W. Thomas Kellahin".

W. Thomas Kellahin

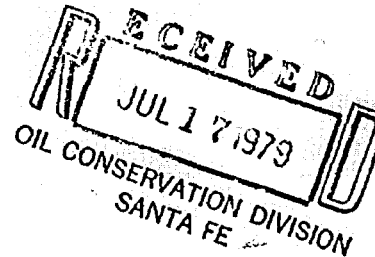
WTK:eps

Jason Kellahin
W. Thomas Kellahin
Karen Aubrey

KELLAHIN and KELLAHIN
Attorneys at Law
500 Don Gaspar Avenue
Post Office Box 1769
Santa Fe, New Mexico 87501

Telephone 982-4285
Area Code 505

July 13, 1979



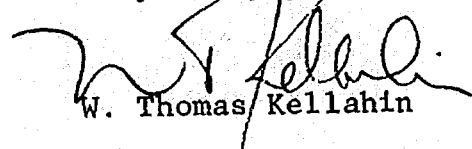
Mr. Joe Ramey
Oil Conservation Division
P. O. Box 2088
Santa Fe, NEW Mexico 87501

Re: Penroc Oil Corporation

Dear Joe:

Please set the enclosed application for hearing
on August 8, 1979.

Very truly yours,

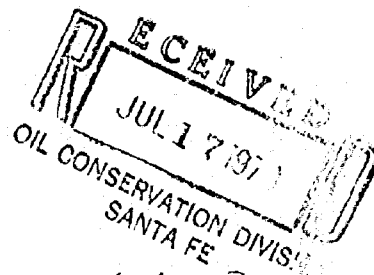

W. Thomas Kellahin

CC: Mr. Sterling Talley

WTK:kfm

Enclosure

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION



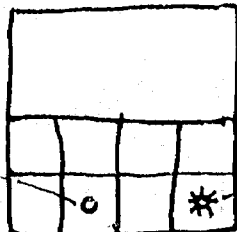
IN THE MATTER OF THE APPLICATION
OF PENROC OIL CORPORATION FOR
WELL-HEAD PRICE CEILING CATEGORY
DETERMINATION, EDDY COUNTY, NEW
MEXICO

Case 6623

A P P L I C A T I O N

Comes now PENROC OIL CORPORATION and applies to the Oil Conservation Division of New Mexico for an order for well-head price ceiling category determination pursuant to Special Rules of the Division, and Part 271.305(b) Federal Energy Regulatory Commission's Regulations Implementing the Natural Gas Policy Act of 1978 and in support hereof would show the Division:

1. Applicant is the operator of the S/2 of Section 35, T19S, R28E, NMPM, Eddy County, New Mexico.
2. Applicant operates the Dero Federal No. 1 well located 660 feet from the East line and 660 feet from the South line of said Section 35, a Morrow producer.
3. Applicant operates the Dero "A" Federal No. 1 well located 1980 feet from the West line and 660 feet from the South line of Section 35, which currently dually completed in the Strawn and Wolfcamp formation.
4. Applicant desires approval to recomplete the Dero "A" Federal No. 1 well in the Morrow formation to be dedicated to the same proration unit as the Dero Federal No. 1 well.
5. Applicant seeks a determination pursuant to F.E.R.C.



Dero A#1
Stn dual

Dero No. 1
Morrow producer

Rules, Part 271.305 that the subject well is necessary to effectively and efficiently drain a portion of the Morrow reservoir covered by the existing proration unit 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 at the August 8, 1979 Examiner Hearing and that after notice and hearing as required by law, the Division enter its order making the wellhead price ceiling category determination as requested.

Respectfully submitted,

PENROC OIL CORPORATION

By 

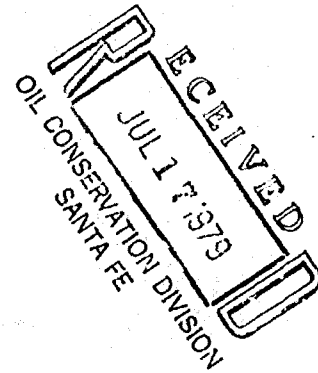
Kellahin & Kellahin

P. O. Box 1769

Santa Fe, New Mexico 87501

ATTORNEYS FOR APPLICANT

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION



IN THE MATTER OF THE APPLICATION
OF PENROC OIL CORPORATION FOR
WELL-HEAD PRICE CEILING CATEGORY
DETERMINATION, EDDY COUNTY, NEW
MEXICO

Case 6623

A P P L I C A T I O N

Comes now PENROC OIL CORPORATION and applies to the Oil Conservation Division of New Mexico for an order for well-head price ceiling category determination pursuant to Special Rules of the Division, and Part 271.305(b) Federal Energy Regulatory Commission's Regulations Implementing the Natural Gas Policy Act of 1978 and in support hereof would show the Division:

1. Applicant is the operator of the S/2 of Section 35, T19S, R28E, NMPM, Eddy County, New Mexico.
2. Applicant operates the Dero Federal No. 1 well located 660 feet from the East line and 660 feet from the South line of said Section 35, a Morrow producer.
3. Applicant operates the Dero "A" Federal No. 1 well located 1980 feet from the West line and 660 feet from the South line of Section 35, which currently dually completed in the Strawn and Wolfcamp formation.
4. Applicant desires approval to recomplete the Dero "A" Federal No. 1 well in the Morrow formation to be dedicated to the same proration unit as the Dero Federal No. 1 well.
5. Applicant seeks a determination pursuant to F.E.R.C.

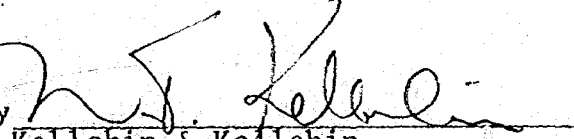
Rules, Part 271.305 that the subject well is necessary to effectively and efficiently drain a portion of the Morrow reservoir covered by the existing proration unit which cannot be effectively and efficiently drained by any existing well within the proration unit and will offer evidence in support of that determination.

WHEREFORE, Applicant respectfully requests that this matter be set for hearing at the August 8, 1979 Examiner Hearing and that after notice and hearing as required by law, the Division enter its order making the wellhead price ceiling category determination as requested.

Respectfully submitted,

PENROC OIL CORPORATION

By


Kellahin & Kellahin

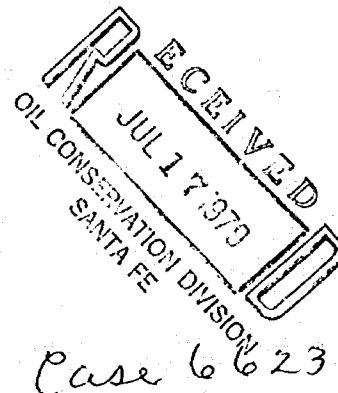
P. O. Box 1769

Santa Fe, New Mexico 87501

ATTORNEYS FOR APPLICANT

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION
OF PENROC OIL CORPORATION FOR
WELL-HEAD PRICE CEILING CATEGORY
DETERMINATION, EDDY COUNTY, NEW
MEXICO



A P P L I C A T I O N

Comes now PENROC OIL CORPORATION and applies to the Oil Conservation Division of New Mexico for an order for well-head price ceiling category determination pursuant to Special Rules of the Division, and Part 271.305(b) Federal Energy Regulatory Commission's Regulations Implementing the Natural Gas Policy Act of 1978 and in support hereof would show the Division:

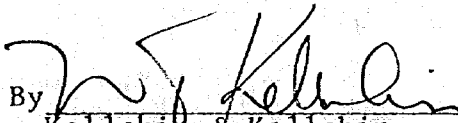
1. Applicant is the operator of the S/2 of Section 35, T19S, R28E, NMPM, Eddy County, New Mexico.
2. Applicant operates the Dero Federal No. 1 well located 660 feet from the East line and 660 feet from the South line of said Section 35, a Morrow producer.
3. Applicant operates the Dero "A" Federal No. 1 well located 1980 feet from the West line and 660 feet from the South line of Section 35, which currently dually completed in the Strawn and Wolfcamp formation.
4. Applicant desires approval to recomplete the Dero "A" Federal No. 1 well in the Morrow formation to be dedicated to the same proration unit as the Dero Federal No. 1 well.
5. Applicant seeks a determination pursuant to F.E.R.C.

Rules, Part 271.305 that the subject well is necessary to effectively and efficiently drain a portion of the Morrow reservoir covered by the existing proration unit 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 at the August 8, 1979 Examiner Hearing and that after notice and hearing as required by law, the Division enter its order making the wellhead price ceiling category determination as requested.

Respectfully submitted,

PENROC OIL CORPORATION

By 
Kellahin & Kellahin
P. O. Box 1769
Santa Fe, New Mexico 87501

ATTORNEYS FOR APPLICANT

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. 6623

Order No. R-6098

APPLICATION OF PENROC OIL
CORPORATION FOR APPROVAL OF INFILL
DRILLING AND SIMULTANEOUS DEDICATION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on August 8
19 79, at Santa Fe, New Mexico, before Examiner Richard L. Stamets

NOW, on this day of August, 19 79, 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, Penroc Oil Corporation, seeks a

~~Eddy County, New Mexico. Applicant, in the above styled cause, seeks a waiver of existing well
spacing requirements and a finding that the recompletion in the ~~Warren~~ formation of its Dero "A"
Federal Well No. 1 located in Unit N of Section 35, Township 19 South, Range 28 East, is necessary
to effectively and efficiently drain that portion of the proration unit which cannot be so drained
by the existing well.~~

WMPM,

Pool, Eddy County, New

rd,

(3) That the applicant further seeks to simultaneously dedicate ~~the~~ ~~S&P~~ an ^{existing} 320-acre spacing ~~and~~ ^{and} ~~proportion~~ ^{proportion} unit consisting of the south half of said Section 35 to said Dero A Federal Com Well No. 1 and to its Dero Federal Com Well No. 1 located in Unit P of said section 35, Winchester Morrow Gas Pool.

(4) That provided the applicant renames and renumbers said well ⁱⁿ a logical and orderly manner, said simultaneous dedication should be approved.

(5) That the applicant's request for dismissal of that part of this case seeking a ~~ver~~ findings that the recompletion of said Dero A Federal Com Well No. 1 is necessary to effectively and efficiently drain the ~~S&P~~ ~~S&P~~ the proportion unit should be granted.

IT IS THEREFORE ORDERED:

(1) That the applicant, Pennac Oil Corporation, is hereby authorize to simultaneously dedicate its Dero A Federal Com Well No. 1 located in Unit N and its Dero Federal Com Well No. 1 located in Unit P, both in Section 35, Township 19 South, Range 28 East, to a standard 320-acre gas spacing unit consisting of the South half of said Section 35, Winchester-Morrow Gas Pool, Eddy County, New Mexico.

Provided However, That prior to such simultaneous dedication the applicant shall rename and renumber said wells in a logical and orderly manner as may be approved by the supervisor of the ~~the~~ Division's district office ⁱⁿ ~~at~~ Artesia.

(2) That ~~that~~ ^{the} portion of the subject application seeking a finding that the recompletion of said Dero A Federal Com Well No. 1 is necessary to drain the proration unit is hereby dismissed.

Juris dictum _____