
CASE NO.

6387

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,

ETC.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
13 February 1980

EXAMINER HEARING

IN THE MATTER OF:

Case 6387 being reopened pursuant to the
provisions of Order No. R-5353-E, which
order reclassified the North Tocito Dome-
Pennsylvanian Gas pool as an associated
pool with special rules and regulations
therefor.

CASE
6387

BEFORE: Daniel S. Nutter

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 to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

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

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 435-7409

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

I N D E X

EWELL N. WALSH

Direct Examination by Mr. Kellahin 3

Cross Examination by Mr. Nutter 9

E X H I B I T S

Applicant Exhibit One, Plat 4

Applicant Exhibit Two, Tabulation 5

Applicant Exhibit Three, Tabulation 6

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

1 MR. NUTTER: Call Case Number 6387.

2 MR. PADILLA: In the matter of Case 6387
3 being reopened pursuant to the provisions of Order No. R-5353-E,
4 which order reclassified the North Tocito Dome-Pennsylvanian
5 Gas Pool as an associated pool with special rules and regu-
6 lations therefor.

7 MR. KELLAHIN: If the Examiner please,
8 Jason Kellahin appearing for the applicant.

9 We have one witness to be sworn.

10
11 (Witness sworn.)
12

13 EWELL N. WALSH
14 being called as a witness and having been duly sworn upon
15 his oath, testified as follows, to-wit:
16

17 DIRECT EXAMINATION

18 BY MR. KELLAHIN:

19 Q Would you state your name, please?

20 A My name is Ewell N. Walsh.

21 Q What business are you engaged in, Mr.
22 Walsh?

23 A Petroleum Engineering Consulting and
24 President of Walsh Engineering and Production Corporation.

25 Q Now, in connection with your work as a

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

1 consultant, have you had anything to do with RB Petroleum?

2 A Yes, I do.

3 Q And you are representing them here today,
4 is this correct?

5 A I am representing them at this hearing.

6 Q Mr. Walsh, did you testify in the previous
7 hearing involving the rulings that are before the Examiner
8 at this time?

9 A Yes, I did.

10 Q Have you testified before the Oil Conser-
11 vation Division in other cases and made your qualifications
12 a matter of record?

13 A Yes, I have.

14 MR. KELLAHIN: Are the witness' qualifi-
15 cations acceptable?

16 MR. NUTTER: Yes, they are.

17 Q Mr. Walsh, could you briefly state what
18 the position of RB Petroleum is in this case?

19 A The position of RB Petroleum in this case
20 is to make the North Tocito Dome-Pennsylvanian Associated
21 Pool permanent. The call for the hearing had that it had
22 been temporary for one year and we request that it be made
23 permanent.

24 Q Referring to what has been marked as Ex-
25 hibit Number One, would you identify that exhibit, please?

SALLY W. BOYD, C.S.R.

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

1 A Exhibit Number One is a map of the general
2 area of the Navajo -- RB Petroleum Navajo Tocito Lease,
3 located in Township 26 North, Range 18 West.

4 Also indicating the outline of the Tocito
5 Dome-Pennsylvanian "D" Associated Pool, and the Tocito Dome-
6 Pennsylvanian North Associated Pool.

7 Q And we're concerned today with the Tocito
8 Dome North Associated Pool, is that correct?

9 A Yes, sir, which includes the RB Petroleum
10 North Navajo Tocito No. 1, located in the northeast quarter
11 of Section 9, 26 North, 18 West, and the No. 4 Well, located
12 in the southwest quarter of Section 10, 26 North, 18 West.

13 Q Now referring to what has been marked
14 as Exhibit Number Two, would you identify that exhibit,
15 please?

16 A Exhibit Number Two is a tabulation of the
17 production history for the RB Petroleum Navajo Tocito No. 1
18 for the years 1978 and 1979.

19 Q And what do you conclude from the informa-
20 tion shown on that exhibit in connection with this case?

21 A In connection with this case, this indi-
22 cated, one, that the well is not producing a large amount of
23 gas. The previous -- these were previously in a gas well,
24 or gas pool, and were -- have become basically oil wells.
25 The gas production is low in relation to having a gas well

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 435-7409

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

1 classification. The GOR hasn't reached 200-to-1, which would
2 indicate an oil well type operation more than a gas well.

3 Q Now referring to what has been marked
4 as Exhibit Number Three, would you identify that?

5 A Number Three is a production history of
6 the RB Petroleum Navajo Tocito No. 4, indicating what short
7 period of time this well was produced during 1979, that we
8 had the same case of low gas production, low GOR. Again,
9 not sufficient gas to really, in our opinion, be classified
10 as a gas pool.

11 Q Now, the Commission files contain the re-
12 sults of the most recent GOR tests on these wells --

13 A Yes, they do.

14 Q -- do they not? Could you give us the
15 figures on those tests and the dates?

16 A For the RB Petroleum Navajo Tocito No. 1,
17 on the test date of 11-5-79, the oil production was 95 bar-
18 rels, gas production 112 Mcf, and water production 520.
19 These figures are all per day.

20 MR. NUTTER: Now those aren't on an exhibit,
21 are they, Mr. Walsh?

22 A No, but they're in your records. We have
23 presented them.

24 MR. NUTTER: I wonder if you could read
25 that stuff again?

SALLY W. BOYD, C.S.R.

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

1 A Yes. For the Navajo Tocito No. 1, 95 bar-
2 rels of oil per day, 112 Mcf per day, 520 barrels of water
3 per day, and GOR of 1170-to-1.

4 MR. NUTTER: 1-1-7-0.

5 A 7-0, 1170.

6 MR. NUTTER: And what was the date of that
7 test?

8 A November 5th, 1979.

9 MR. NUTTER: Okay, thank you.

10 A Also, the GOR test filed with the Commis-
11 sion for the Navajo Tocito No. 4, this is test date December
12 3rd, 1979, was 80 barrels of oil per day, 200 Mcf per day,
13 no water, and GOR of 2500-to-1 on that test.

14 MR. NUTTER: Thank you.

15 Q Now actually the well does make some
16 water, does it not?

17 A The Navajo Tocito 4 will make water. The
18 production period you see, basically, in December there, the
19 well was produced under a tight choke and at such time we
20 started having indication of water, the well was shut in.
21 We do not have it tied into a disposal system and we did not
22 want to get the well to a high water/oil ratio. We just
23 periodically produced until water shows up so we could get
24 some oil out of it.

25 Q But you can produce it for some period of

1 time with no water production, is this correct?

2 A Yes, it will vary as to -- anywhere from
3 two or three days, maybe to ten, like is indicated for De-
4 cember of '79.

5 Q Now, Mr. Walsh, based on the production
6 history of these wells as shown by your Exhibits Numbers
7 Two and Three, and the GOR tests to which you've just testi-
8 fied, in your opinion should this pool continue as an asso-
9 ciated pool?

10 A It definitely should be continued as an
11 associated pool.

12 Q And you'd recommend continuation of the
13 provisions of Order No. R-5353-E, is that correct?

14 A Yes.

15 Q Were Exhibits One, Two, and Three pre-
16 pared by you or under your supervision?

17 A They were.

18 MR. KELLAHIN: At this time we'll offer
19 Exhibits One, Two, and Three.

20 MR. NUTTER: Applicant's Exhibits One,
21 Two, and Three will be admitted in evidence.

22 MR. KELLAHIN: That concludes our pre-
23 sentation, Mr. Nutter.
24
25

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B

Santa Fe, New Mexico 87501

Phone (505) 455-7409

CROSS EXAMINATION

BY MR. NUTTER:

Q Well, Mr. Walsh, this Exhibit Number Two, which is the production history for the Well No. 1 shows that it has been on production more or less all the time in 1979 with a GOR running from a little over 1000 up to about 1400 and some.

A Yes, that's correct.

Q It shows no production for the month of November, is that correct?

A That is correct.

Q But didn't you tell me that the test on that well was November 5th of '79?

A I did. I can't explain the record here showing no production. I can't.

Q But you did take a GOR test November 5th, and that's when the GOR ran 1170 on the well?

A That's right.

Q Okay, then the No. 4 Well, Exhibit Number Three shows that it wasn't on production at any time during 1979 except for one day in November and ten days in December.

When do you anticipate that this well will be connected to a system so that you can produce it on a steady basis?

A It's hard to anticipate, Mr. Nutter. The

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 435-7409

SALLY W. BOYD, C.S.R.

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

1 water is being disposed from the Navajo Tocito No. 1. It is
2 being disposed through the Amoco injection system into their
3 well.

4 At one time we were disposing maybe up to
5 between 400 and 500 barrels per day. They have more or less
6 cut us back on the volume to inject to no more than 300.

7 Until that can be rectified, either one,
8 their water well will accept more, or possibly RB Petroleum
9 decide to have their own injection well, I doubt seriously
10 if we produce No. 4 more than just producing some oil once
11 in awhile.

12 Q I see. So at least for the foreseeable
13 future it's going to continue on its present status.

14 A Yes.

15 Q Now, in this North Tocito Dome Pool that
16 we've created by Order No. R-5353-E, there were only two
17 wells, I believe, at that time, and there are still only
18 two wells in the pool.

19 A Yes. This map has been checked and this
20 is the -- the map indicates the same wells as on the exhibit
21 in the previous case, and there have been no additional wells
22 in that area.

23 Q By RB Petroleum or by the other operators
24 south and west?

25 A Yes, that is correct.

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

Q

Okay.

MR. NUTTER: Are there any further questions of Mr. Walsh? He may be excused.

Do you have anything further, Mr. Kellahin?

MR. KELLAHIN: Nothing, thank you.

MR. NUTTER: Does anyone have anything they wish to offer in Case Number 6387?

We'll take the case under advisement.

(Hearing concluded.)

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 433-7409

REPORTER'S CERTIFICATE

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

Sally W. Boyd C.S.R.

I do hereby certify that the foregoing is a complete and correct transcript of the proceedings in the examination hearing of Case No. 6387, heard by me on 2/13 1980.

[Signature], Examiner
Oil Conservation Division

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 435-7409

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
State Land Office Building
Santa Fe, New Mexico
21 November 1978

EXAMINER HEARING

IN THE MATTER OF:

Application of R B Petroleum
Company for pool reclassification,
San Juan County, New Mexico. CASE
6387

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation Division: Lynn Teschendorf, Esq.
Legal Counsel for the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

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

SALLY WALTON BOYD
(CERTIFIED SHORTHAND REPORTER)
1020 Plaza Blanca (SOS) 471-4403
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (G06) 471-2482
San Antonio, New Mexico 87501

INDEX

EWELL N. WALSH

Direct Examination by Mr. Kellahin 3

Cross Examination by Mr. Nutter 14

EXHIBITS

Applicant Exhibit One, Plat 13

Applicant Exhibit Two, 13

Applicant Exhibit Three, 13

Applicant Exhibit Four, 13

Applicant Exhibit Five, 13

Applicant Exhibit Six, 13

Applicant Exhibit Seven, 13

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3621 Plaza Blanca (S.S.) 471-2462
Santa Fe, New Mexico 87501

Page 3

MR. NUTTER: We'll call next Case 6387.

MS. TESCHENDORF: Case 6387. Application
of R B Petroleum Company for pool reclassification, San
Juan County, New Mexico.

MR. KELLAHIN: I'm Tom Kellahin of Kellahin
and Fox, appearing on behalf of the applicant, and I have
one witness to be sworn.

(Witness sworn.)

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

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

A My name is Ewell N. Walsh. I'm president of
the Walsh Engineering and Production Corporation, in
Farmington, New Mexico.

Q Mr. Walsh, have you previously testified be-
fore the Oil Conservation Division and had your qualifica-
tions as an expert witness accepted and made a matter of
record?

A Yes, I have.

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

Page 4

1 Q Have you been retained by R B Petroleum Com-
2 pany to make a study of the facts surrounding this particular
3 application?

4 A I have.

5 Q And have you made that study?

6 A I have made the study.

7 MR. KELLAHIN: We tender Mr. Walsh as an ex-
8 pert witness.

9 MR. NUTTER: Mr. Walsh is qualified.

10 Q (Mr. Kellahin continuing.) Would you please
11 refer to what we have marked as Exhibit Number One, identify
12 that, and explain to us what R B Petroleum is seeking to
13 accomplish?

14 A Exhibit Number One is a map of a portion of
15 Township 26 North, Range 18 West. On this map outlined in
16 red is the pool outline for the Tocito Dome-Pennsylvanian
17 North gas. Outlined in green is the Tocito Dome-Pennsylvanian
18 "D" Associated Pool.

19 Also indicated on the map by the red arrows
20 are R B Petroleum Company Navajo Tocito No. 1, located in
21 the southwest of the northeast of Section 9, Township 26
22 North, Range 18 West, and Navajo Tocito No. 4, located in
23 the northwest southeast of Section 10, Township 26 North,
24 Range 18 West.

25 MR. NUTTER: Northwest southwest.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2026 Plaza Blanca (888) 471-4682
Santa Fe, New Mexico 87501

1 A Northwest southwest, excuse me.

2 These two pools, as indicated, border on each
3 other. The Tocito Dome-Pennsylvanian North gas is classified
4 as a gas pool at the present time and has been since in-
5 ception.

6 The Tocito Dome-Pennsylvanian "D" Associated
7 Pool has been reclassified as an associated pool in the
8 past.

9 It is R B Petroleum's intention to request
10 that the Tocito Dome-Pennsylvanian North gas be reclassified
11 as an associated pool.

12 Q If the Division approves the request to re-
13 classify this as an associated pool, is there any necessity
14 for approving the existing locations of either one or both
15 of the current wells within that pool?

16 A Under the general rules for associated pools,
17 no. However, if it's considered to be included in the
18 Tocito Dome-Pennsylvanian "D" Associated Pool, yes, there
19 is one well that does not fall within the guidelines for
20 locations of wells.

21 Q And which well is that?

22 A This is the Navajo Tocito No. 4, northwest
23 southwest of Section 10.

24 Q What pool rules would you recommend if the
25 Division creates an associated pool for this area?

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (888) 411-4465
Santa Fe, New Mexico 87501

1 A In the case of a new associated pool I would
2 recommend that the general rules and regulations be adopted
3 with the exception that a standard oil proration unit be
4 160 acres and standard gas proration unit be 320 acres.

5 Q All right, Mr. Walsh, would you please refer
6 to Exhibit Number Two and identify it?

7 A Exhibit Number Two are copies of subsurface
8 well logs of the Petroleum Navajo Tocito No. 1, No. 4, and
9 also offsetting wells, one being Mobil Oil Corporation
10 Navajo Tocito No. 1, located southwest southwest of Section
11 9, Township 26 North, Range 18 West, and the Amoco Navajo
12 Tribal "U" No. 8, located southeast northwest of Section 16,
13 Township 26 North, Range 18 West.

14 These are presented to show the Commission
15 that essentially all these wells are completed in the same
16 producing horizon.

17 MR. NUTTER: Okay, Mr. Walsh, while we're
18 here, I don't see the identification and location on these.
19 Now, this first one --

20 A On the logs, sir?

21 MR. NUTTER: Yeah.

22 A At the bottom, the well heading.

23 MR. NUTTER: Okay, this first one is Campbell,
24 Keel and Roth Well No. 1 Tocito. Now where is that well?

25 A That is the R B Petroleum Navajo Tocito 1.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (661) 471-4402
Santa Fe, New Mexico 87501

Page 7

1 That's a name change there; that's how the well was origi-
2 nally drilled.

3 MR. NUTTER: And that's the well that's in
4 Section 9?

5 A Southwest of the northeast of Section 9.

6 MR. NUTTER: The next well is the Mobil
7 Navajo No. 1.

8 A One, located --

9 MR. NUTTER: And that's the well that's in
10 the --

11 A Southwest southwest of Section 9.

12 MR. NUTTER: Okay. The next one is the
13 Amoco "U" 8, and that's in --

14 A Southwest south -- or excuse me, southeast
15 northwest of Section 16.

16 MR. NUTTER: Okay, go ahead.

17 A These logs can be correlated and indicate
18 that essentially all the wells are completed in the Penn-
19 sylvanian -- so-called Pennsylvania "D" Zone. I will not
20 just go through the perforated intervals. They are indi-
21 cated on the logs, but it can be correlated in this area.

22 Q (Mr. Kellahin continuing.) Sir, would you
23 go to Exhibit Number Three and identify it?

24 A Exhibit Number Three is the Form Multipoint
25 One Point Back Pressure Test for Gas Wells. This is the

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (S.E.) 471-4403
Santa Fe, New Mexico 87501

1 test conducted by myself on the R B Petroleum Navajo Tocito
2 No. 1 after it was completed. This test was in 1967.

3 At that time it indicated this well to be a
4 gas well by virtue of its test.

5 Q Okay, Exhibit Number Four.

6 A Exhibit Number Four is also the same form
7 indicating the Multipoint Back Pressure Test for the R B
8 Petroleum Navajo Tocito No. 4. This test was conducted
9 after completion in 1969.

10 Again, this test indicated the completion to
11 be a gas well.

12 Q Mr. Walsh, do you have information that in-
13 dicates the production history on both of these wells?

14 A Yes, I do.

15 Q Would you give that to us, please?

16 A The production history for the Navajo Tocito
17 No. 1 has indicated that shortly after it was put on production
18 it essentially became an oil well. The cumulative production
19 from this well is 217,982 barrels of oil and 251,729 barrels
20 or Mcf of gas.

21 The GOR for this well did start out in the
22 30,000-to-1. This GOR decreased down below 2000 in appro-
23 ximately six months.

24 MR. NUTTER: What was the original GOR?

25 A Approximately 30,000-to-1.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2020 Plaza Blanca (505) 471-2482
Santa Fe, New Mexico 87501

1 MR. NUTTER: And it decreased to about 2000?

2 A Below 2000; below 2000 in about six months.

3 And the GOR for this well has remained below 2000 and in
4 1977 it was being produced, it went even down into the 900's.

5 The Navajo Tocito No. 4 had only been pro-
6 duced for a short period of time. Approximately six months
7 in 1970, '71, about three months in 1975, and short periods
8 of time in 1976.

9 This -- the GOR for this well has been in
10 the 15 to 18,000-to-1 classification.

11 MR. NUTTER: Throughout its life?

12 A Yeah, throughout its life.

13 Q What's the cumulative production on that
14 well?

15 A Cumulative production for the No. 4 is 4,835
16 barrels and 161,699 Mcf.

17 Q Do you have current GOR ratios on both the
18 No. 1 and No. 4 wells?

19 A The No. 1 GOR conducted in April of 1978 was
20 950-to-1.

21 The last GOR conducted on the Navajo Tocito
22 No. 4, which would have been in 1976, October, 1976, was
23 16,720-to-1. That well has -- No. 4 has remained shut in
24 since February of 1977.

25 The No. 1 Well has just currently, within the

1 last two weeks, been brought back on production.

2 Q Does that No. 1 Well make any water?

3 A It is currently making approximately 450
4 barrels of water per day; 340 barrels of oil per day; 600
5 Mcf per day; for a GOR of 1,760-to-1.

6 Q You indicated that well is currently shut in?

7 A No. 1 is currently producing. No. 4 is
8 shut in.

9 Q Does the No. 4 Well make any water?

10 A Yes, the No. 4 Well, the reason for it being
11 shut in is due to high volume of water, in the neighborhood
12 of 4 to 500 barrels a day.

13 Q What are your plans with regard to disposal
14 of the water produced?

15 A An agreement has been entered into with
16 Amoco Production Company. A water disposal system has been
17 constructed and tied into their system, and is being sent
18 through their disposal system into their water disposal well.

19 Q When did you put the No. 1 Well back on
20 production?

21 A No. 1 was put back on production on, oh,
22 November 4th, 1978.

23 Q Mr. Walsh, do you have any bottom hole pres-
24 sure information with regards to the No. 1 Well?

25 A Yes. In 19 -- in October of 1970, after the

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2020 Plaza Blanca (SEB) 471-4442
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
8930 Plaza Blanca (866) 471-2403
Santa Fe, New Mexico 87501

1 well had been shut in for 34 months, a static bottom hole
2 pressure was measured at 3,078 psig. 3-0-7-8. The well
3 had only been produced for test purposes, the only production.

4 In June of 1977 a static bottom hole pressure
5 was obtained after the well had been shut in 55 days. The
6 pressure at this time was 3,037, 3-0-3-7. The well had
7 produced 168,424 barrels of oil.

8 MR. NUTTER: How much?

9 A 168,424 barrels of oil, 213,503 Mcf of gas.
10 The bottom hole pressure drop indicated to be 41 pounds.

11 Essentially, these wells are under an active
12 water drive, and are not typical of the wells in the Penn-
13 sylvania -- the Associated Pool area.

14 Q All right, sir, would you go on to Exhibit
15 Number Five and identify that for us?

16 A Exhibit Number Five is two gas analyses of
17 the R B Petroleum Navajo Tocito No. 1.

18 The first gas analysis is -- was in December
19 of 1967. I would like to point out to you the methane con-
20 test, which was 49.6 percent; the nitrogen content, which
21 was 34.2 percent; and the helium content of 3.26 percent.
22 Also, calculated BTU of 752.

23 Q Now that's for the test taken in '67?

24 A That's only for the test taken in 1967.

25 Q On the No. 1 Well.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3036 Plaza Blanca (999) 471-4661
Santa Fe, New Mexico 87501

1 A Excuse me, that's a test in '69, and the
2 well was completed in '69.

3 Q All right, sir. And what is the second page
4 of that?

5 A The second page of the exhibit is also for
6 the Navajo Tocito No. 1, of a gas analysis made in 1978,
7 May of 1978. Again I'd like to point out that the methane
8 content was only 54.59 percent; nitrogen was 26.7 percent;
9 your helium was 2.07 percent. The calculated BTU was 875.

10 Q Now would you turn to Exhibit Number Six and
11 compare that with the information contained in Exhibit
12 Number Five?

13 A Exhibit Number Six is a copy of gas analysis
14 for the R B Petroleum Navajo Tocito No. 4, which was also
15 sampled at the same time in 1969.

16 Again I'd like to point out the methane con-
17 tent, 32.6; nitrogen, 51.2; helium, 5.4; and BTU of 584.

18 Q What conclusion do you draw, Mr. Walsh, from
19 the gas analyses of the two different pools?

20 A This one will give you everything.

21 Q Okay, I'm sorry, let's go on to Exhibit Num-
22 ber Seven.

23 A Exhibit Number Seven is a copy of a chromati-
24 graphic gas analysis made by El Paso Natural Gas in 1970 of
25 the gas that is coming from the present Navajo Tocito -- or

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (888) 471-4402
Santa Fe, New Mexico 87501

1 the Tocito Dome-Pennsylvania "D" Associated Pool.

2 I would like to bring out here that the
3 methane content is from 76.4 percent; the nitrogen content
4 is only 12.61; there is no measure of helium; the BTU value
5 was 1,195.

6 These are presented to indicate that there
7 is considerable difference between these two areas, not only
8 in the way of their being produced by one, the present gas
9 pool being under an active water drive, but also that the
10 gas coming from the two areas is different, and this is one
11 of the reasons, of course, the two are spearated under the
12 present rules and regulations.

13 Q Were Exhibits One through Seven either com-
14 piled by you directly or compiled under your direction and
15 supervision?

16 A Yes.

17 Q And in your opinion, Mr. Walsh, will approval
18 of this application be in the best interests of conservation,
19 the prevention of waste, and the protection of correlative
20 rights?

21 A Yes, it will.

22 MR. KELLAHIN: If the Examiner please, we
23 move the introduction of Exhibits One through Seven.

24 MR. NUTTER: Exhibits One through Seven
25 will be admitted in evidence.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2020 Plaza Blanca (895) 471-2482
Santa Fe, New Mexico 87501

1 MR. KELLAHIN: That concludes our examination.

2
3 CROSS EXAMINATION

4 BY MR. NUTTER:

5 Q Mr. Walsh, you don't have a structure map
6 showing where these two wells in this north pool lie with
7 respect to the structure these other wells occupy. What
8 causes the separation here? Is there a fault that runs
9 through here, or what?

10 A There is no real indication of fault. In
11 my opinion it's some type of a permeability barrier in this
12 interval.

13 Q Well, do you know when this pool was -- did
14 you testify in the case when this pool was created, do you
15 recall?

16 A Yes.

17 Q Did you have any evidence at that time to
18 show separation in this area?

19 A No, I was thinking of another case. When the
20 pool was established, this was established by members of
21 the Conservation Commission testifying to establish the
22 pool.

23 Q I see. Do you know if the Commission has
24 any records in any of the cases involving either this northern
25 pool or the pool -- the southern pool, that shows separation

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2020 Plaza Blanca (985) 471-2483
Santa Fe, New Mexico 87501

1 between these two?

2 A I am not --

3 Q Areas?

4 A -- aware of any such.

5 Q Mr. Kellahin, do you have objection to the
6 Commission taking administrative notice of any evidence that
7 we might have showing separation of these two pools?

8 MR. KELLAHIN: I have no objection.

9 MR. NUTTER: We will take administrative
10 notice of any previous hearings we have, because I'm sure
11 there's some structure maps that are available in some of
12 our files on it, and we've got an option here under the
13 call of this hearing to either create -- designate this as
14 a new associated pool or to consolidate it with the old pool
15 to the south.

16 MR. KELLAHIN: It's my understanding from
17 Mr. Walsh that he prefers the first choice.

18 MR. NUTTER: I see. That would be adoption
19 of associated rules for this pool.

20 A Yes, separately, as I recommended with the
21 only special rule being the oil proration unit 160 and gas,
22 320.

23 Mr. Nutter, in relation to what you're talking
24 about, from offsetting information, the Mobil Oil Company
25 Navajo Tocito No. 3, located, I believe it's northeast

1 northwest of Section 9.

2 Q Okay.

3 A In August of 1978 produced on a daily average
4 basis, 382 barrels of oil; 154 Mcf of gas, for a GOR of
5 403-to-1. There was no water production indicated.

6 The Mobil Navajo Tocito No. 1 and 2, in the
7 southwest and southeast, respectively, of Section 9, have
8 been shut in for some time. I believe last production was
9 19 -- sometime in 1977.

10 The Amoco Navajo Tribal "U" No. 16, located
11 northeast northwest of Section 16, during August, and this
12 well is on the pump, being pumped, produced on a daily aver-
13 age basis of 8 barrel of oil per day, 108 Mcf of gas per
14 day, and 320 barrels of water per day. That GOR caluclated
15 as 13,500-to-1.

16 The Amoco Navajo Tribal "U" No. 8, located
17 in the southeast northwest of 16, is shut in and indicated
18 as shut-in gas well.

19 The No. 13, again, Amoco Navajo Tribal "U"
20 No. 13, in the northwest southeast of Section 16, in August
21 of 1978, daily average was 2 barrels of oil per day; 19 Mcf
22 per day; 130 barrel of water per day; a GOR of 9500-to-1;
23 again a pumping well.

24 I'm presenting this -- I was using this more
25 or less as showing separation between the two areas because

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3018 Palm Bluffs (505) 471-4401
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (S.E.) 471-4402
Santa Fe, New Mexico 87501

1 of producing characteristics.

2 Q Now, there have been no wells drilled in the
3 southeast quarter of Section 9, the northwest quarter of
4 Section 15, or the northeast quarter of Section 16, is that
5 correct?

6 A Yes, according to this.

7 Q Now how would you dedicate your land if the
8 Commission should adopt this proposal that you've got here
9 for 160 acres for oil and 320 for gas? Your No. 1 Well is
10 an oil well, apparently.

11 A Yes, sir.

12 Q And presumably you'd dedicate the northeast
13 quarter of Section 9 to that well.

14 A That's correct.

15 Q Now how would you dedicate lands to the No. 4?

16 A No. 4, which under the general pool rules,
17 using 30,000-to-1 breakover point from oil to gas, would
18 also be classified as an oil well, and would be an acreage
19 dedication, would be the southwest of Section 10.

20 Q I see, and you would not have a gas well,
21 then?

22 A No, sir, neither one of them are in the cate-
23 gory of gas wells.

24 Q Do you know whether R B Petroleum plans any
25 further development on this acreage?

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2010 Plaza Blanca (99) 411-2463
Santa Fe, New Mexico 87501

1 A At the present time, no. The only acreage
2 they essentially own are the two 160-acre tracts around the
3 wells.

4 Q They don't own the 160 acres being the
5 southeast quarter of Section 9?

6 A No, sir, that's Mobil Oil Corporation.

7 Q I see. Now, the pool rules which you've
8 proposed here are different from the pool rules for the
9 Tocito Dome-Penn "D" in what respect?

10 A In the Pennsylvanian -- Dome-Penn "D" the
11 wells are required to be located for an oil well dedication
12 within 150 feet of the center of the quarter quarter.

13 In the case of a gas well no closer than 790
14 feet to your quarter line or 330 feet to a quarter quarter
15 line, and also their changeover point from oil well classi-
16 fication to gas well classification is 20,000-to-1.

17 Q And the general rules which you propose for
18 this north pool would be 30,000-to-1 classification.

19 A Yes. Yes.

20 Q How about the acreage dedication in the Tocito
21 Dome-Penn "D"?

22 A It is 160 acres for an oil well and 320 acres
23 for a gas well classification.

24 Q So you wouldn't have any difference on that?

25 A No difference there. I just mentioned that

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
803 Plaza Blanca (865) 411-2463
Santa Fe, New Mexico 87501

1 as a special rule because -- setting forth from the general
2 rules. All the other general rules would be applicable for
3 this pool, proposed pool.

4 Q Would the two pools have the same depth
5 factor for calculation of oil allowables?

6 A Yes.

7 Q GOR limits?

8 A Yes, essentially they would.

9 Q Casinghead gas limits?

10 A Right. At the present time your allowable
11 in the Tocito Dome-Pennsylvanian "D" Associated is 382 bar-
12 rels of oil per day for an oil well, with 764 Mcf a day.

13 A gas well classification with 320-acre
14 dedication is 1,528 Mcf per day.

15 Q And under your proposed rules it would be the
16 same?

17 A It would be the same.

18 Q Okay.

19 MR. NUTTER: Are there any further questions
20 of Mr. Walsh? He may be excused.

21 Do you have anything further, Mr. Kellahin?

22 MR. KELLAHIN: No, sir.

23 MR. NUTTER: Does anyone have anything they
24 wish to offer in Case Number 6387?

25 We'll take the case under advisement.

(Hearing concluded.)

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

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2118 Plaza Maricao (662) 471-2462
Santa Fe, New Mexico 87501

I do hereby certify that the foregoing is
a correct and true transcript of the hearing in
the case of 11/21 No. 6327
heard by me on 1978
[Signature], Examiner
Oil Conservation Division



BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

March 12, 1980

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 627-2434

Mr. Jason Kellahin
Kellahin & Kellahin
Attorneys at Law
Post Office Box 1769
Santa Fe, New Mexico

Re: CASE NO. 6387
ORDER NO. R-5353-E-1

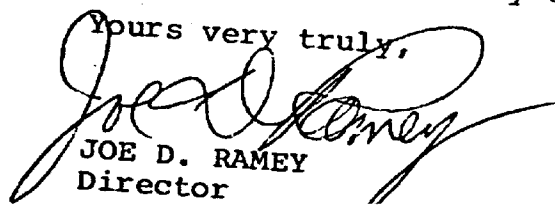
Applicant:

OCD (R B Petroleum Company)

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 X

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. 6387
Order No. R-5353-E-1

IN THE MATTER OF CASE 6387 BEING
REOPENED PURSUANT TO THE PROVISIONS
OF ORDER NO. R-5353-E WHICH ORDER
CLASSIFIED THE NORTH TOCITO DOME-
PENNSYLVANIAN POOL, SAN JUAN COUNTY,
NEW MEXICO, AS AN ASSOCIATED POOL AND
PROVIDED FOR 160-ACRE SPACING FOR OIL
WELLS AND 320-ACRE SPACING FOR GAS WELLS.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on February 13, 1980, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 11th day of March, 1980, 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 by Order No. R-5353-E, dated December 29, 1978, temporary special rules and regulations were promulgated for the North Tocito Dome-Pennsylvanian Pool, San Juan County, New Mexico, classifying said pool as an associated oil and gas pool and establishing temporary 160-acre spacing units for oil wells located therein and 320-acre spacing for gas wells.

(3) That pursuant to the provisions of Order No. R-5353-E, this case was reopened to allow the operators in the subject pool to appear and show cause why the subject pool should not be classified as an oil pool or a gas pool to be governed by the statewide rules.

-2-

Case No. 6387

Order No. R-5353-E-1

(4) That the evidence available to date establishes that the pool is apparently an associated reservoir and that pending further development its classification as such should continue.

(5) That the Special Rules and Regulations promulgated by Order No. R-5353-E have afforded and will afford to the owner of each property in the pool the opportunity to produce his just and equitable share of the oil and gas in the pool.

(6) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, the Special Rules and Regulations promulgated by Order No. R-5353-E should be continued in full force and effect for an additional 18-month period.

IT IS THEREFORE ORDERED:

(1) That the Special Rules and Regulations governing the North Tocito Dome-Pennsylvanian Associated Pool, San Juan County, New Mexico, promulgated by Order No. R-5353-E, are hereby continued in full force and effect until further order of the Division.

(2) That this case should be reopened at an examiner hearing in July, 1981, at which time the operators in the subject pool should be prepared to appear and show cause why the North Tocito Dome-Pennsylvanian Associated Pool should not be reclassified as an oil pool or as a gas pool to be governed by the statewide rules.

(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.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

JERRY APODACA
GOVERNOR

NICK FRANKLIN
SECRETARY

January 2, 1979

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

Mr. Tom Kellahin
Kellahin & Fox
Attorneys at Law
Post Office Box 1769
Santa Fe, New Mexico

Re: CASE NO. 6387
ORDER NO. R-5353-E

Applicant:

R B Petroleum Company

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 OCC x
Artesia OCC x
Aztec OCC x

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. 6387
Order No. R-5353-E

APPLICATION OF R B PETROLEUM
COMPANY FOR POOL RECLASSIFICATION,
SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on November 21, 1978, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 29th day of December, 1978, 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 by Order No. R-4260, effective March 1, 1972, the North Tocito Dome-Pennsylvanian Gas Pool was created and defined subject to the general rules for gas pools in Northwest New Mexico.

(3) That the applicant, R B Petroleum Company, seeks the reclassification of said pool as an associated pool, and the adoption of special rules and regulations for said pool to provide for the classification of oil wells and gas wells therein, and the adoption of 160-acre and 320-acre spacing and proration units, respectively, therefor.

(4) That the evidence available at the time of the hearing indicates that said North Tocito Dome-Pennsylvanian Gas Pool should be reclassified as an associated pool.

-2-

Case No. 6387

Order No. R-5353-E

(5) That the evidence available at the time of the hearing indicates that said North Tocito Dome-Pennsylvanian Pool may be efficiently and economically developed by oil wells on 160-acre spacing and proration units and by gas wells on 320-acre spacing and proration units.

(6) That the application for special rules and regulations should be approved for a temporary period of one year to permit operators in the subject pool to gather additional reservoir information.

(7) That this case should be reopened at an examiner hearing in January, 1980, at which time the operators in the subject pool should be prepared to appear and show cause why said pool should not be reclassified as a gas pool to be governed by statewide rules.

IT IS THEREFORE ORDERED:

(1) That effective January 1, 1979, the North Tocito Dome-Pennsylvanian Gas Pool in San Juan County, New Mexico, is hereby reclassified as an associated pool and redesignated the North Tocito Dome-Pennsylvanian Associated Pool.

(2) That said North Tocito Dome-Pennsylvanian Associated Pool shall be governed by the General Rules and Regulations for the Associated Oil and Gas Pools of Northwest and Southeast New Mexico, promulgated by Order No. R-5353, insofar as said General Rules and Regulations are not inconsistent with the Special Rules and Regulations for the subject pool as hereinafter set forth, in which event the Special Rules shall apply.

SPECIAL RULES AND REGULATIONS
FOR THE

NORTH TOCITO DOME-PENNSYLVANIAN ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 160 acres. A standard gas proration unit shall be 320 acres.

IT IS FURTHER ORDERED:

(1) That the locations of all wells presently drilling to or completed in the North Tocito Dome-Pennsylvanian Associated Pool or in the Pennsylvanian formation within one mile thereof are hereby approved; that the operator of any well having an unorthodox location shall notify the Aztec District Office of the Division in writing of the name and location of the well on or before February 1, 1979.

-3-

Case No. 6387

Order No. R-5353-E

(2) That, pursuant to Paragraph A. of Section 65-3-14.5, N.M.S.A. 1953 Comp., contained in Laws 1969, Chapter 271, existing oil wells in the North Tocito Dome-Pennsylvanian Associated Pool shall have dedicated thereto 160 acres and existing gas wells shall have dedicated thereto 320 acres in accordance with the foregoing pool rules; or, pursuant to Paragraph C. of said Section 65-3-14.5, existing wells may have non-standard spacing or proration units established by the Division and dedicated thereto.

Failure to file new Forms C-102 with the Division dedicating the appropriate acreage to a well or to obtain a non-standard unit approved by the Division within 60 days from the date of this order shall subject the well to cancellation of allowable. Until said Form C-102 has been filed or until a non-standard unit has been approved, and subject to said 60-day limitation, each well presently drilling to or completed in the North Tocito Dome-Pennsylvanian Associated Pool or in the Pennsylvanian formation within one mile thereof shall receive no more than an 40-acre allowable for the pool.

(3) That this case shall be reopened at an examiner hearing in January, 1980, at which time the operators in the subject pool should be prepared to appear and show cause why the North Tocito Dome-Pennsylvanian Associated Pool should not be reclassified as a gas pool to be governed by statewide rules.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY,
Director

dr/

North Texas Power & Light Association

WALSH

ENGINEERING & PRODUCTION CORPORATION

R.B. Petroleum OPERATOR

FIELD
SAN JUAN COUNTY

SEC 9 TWP 26 N RGE 18 W

PRODUCTION DATA

WELL NO.

11111111

77777777

SPUDDING DATE	COMPLETION OR RECOMPLETION DATE	TOTAL DEPTH	EFFECTIVE DEPTH	W. & O.	PERFORATED INTERVAL	CUMULATIVE PRODUCTION	MONTHS PRODUCED	ZONE
					FROM TO	NET OIL BBL. FORM GAS M.C.F.		

YEAR 1978

MONTH	STATUS	DAYS PROD.	ALLOWABLE	TOTAL WATER & BS & W BARRELS	DLY. AVG.	NET OIL PRODUCTION BARRELS	DLY. AVG.	FORMATION GAS PRODUCTION M.C.F.	DLY. AVG.	GAS - OIL RATIO CU. FT./BBL.
				MONTHLY CUMULATIVE		MONTHLY CUMULATIVE		MONTHLY CUMULATIVE		
FORWARD										
JAN.		0		0		0		0		
FEB.		8		0		2,979	372	2,750	344	923
MAR.		28.5		0		8,398	295	7,978	280	950
APR.		23		0		4,720	205	4,484	195	950
MAY		0		0		0	0	0	0	
JUNE		0		0		0	0	0	0	
JULY		0		0		0	0	0	0	
AUG.		0		0		0	0	0	0	
SEPT.		0		0		0	0	0	0	
OCT.		0		0		0	0	0	0	
NOV.		14		4745		6078	434	6098	435	
DEC.		15		5925		5898	229,958	5934	263,761	396
TOTAL				10670		28,023		27,244		

YEAR 1979

MONTH	STATUS	DAYS PROD.	ALLOWABLE	TOTAL WATER & BS & W BARRELS	DLY. AVG.	NET OIL PRODUCTION BARRELS	DLY. AVG.	FORMATION GAS PRODUCTION M.C.F.	DLY. AVG.	GAS - OIL RATIO CU. FT./BBL.
				MONTHLY CUMULATIVE		MONTHLY CUMULATIVE		MONTHLY CUMULATIVE		
JAN.		0		-0-		0		0		0
FEB.		5		5993		1518	304	1541	308	1,015
MAR.		11		9656		3029	275	3087	281	1,019
APR.		2		1010		85	43	107	54	1,258
MAY		0		-0-		0	0	-0-	0	-0-
JUNE		6		1998		527	88	586	98	1,111
JULY		30		11,824		2224	74	2530	84	1,137
AUG.		23		2224	145	1771	77	2552	111	1,439
SEPT.		25		7300	292	1920	77	2766	92	1,440
OCT.		13		5880	452	1087	84	1532	118	1,413
NOV.		0		0	0	-0-	0	-0-	0	-0-
DEC.		0		-0-	0	-0-	0	-0-	0	-0-
TOTAL				47000		12161		14,734		

YEAR 1980

JAN.										
FEB.										
MAR.										
APR.										
MAY										
JUNE										
JULY										
AUG.										
SEPT.										
OCT.										
NOV.										
DEC.										
TOTAL										

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
R.B. Petroleum EXHIBIT NO. 2
CASE NO. 6387

North Tocho Dome
North Tocho Dome

WALSH

R B Petroleum Co.

FIELD
San Juan County, N.M.

ENGINEERING & PRODUCTION
CORPORATION

OPERATOR

L COUNTY

PRODUCTION DATA

4

WELL NO.

SEC 10 TWP 26N RGE 18W

Navajo Tocito

LEASE

SPUDDING DATE	COMPLETION OR RECOM- PLETION DATE	TOTAL DEPTH	EFFECTIVE DEPTH	W. S. D.	PERFORATED INTERVAL		CUMULATIVE PRODUCTION		MONTHS PRODUCED	ZONE
					FROM	TO	NET OIL BBL.	FORM GAS - M.C.F.		

YEAR 1979

MONTH	STA- TUS	DAYS PROD.	ALLOW- ABLE	TOTAL WATER & BS & W BARRELS		DLY. AVG.	NET OIL PRODUCTION BARRELS		DLY. AVG.	FORMATION GAS PRODUCTION M.C.F.		DLY. AVG.	GAS - OIL RATIO CU. FT./BBL.
				MONTHLY	CUMULATIVE		MONTHLY	CUMULATIVE		MONTHLY	CUMULATIVE		
FORWARD							0	4,835	0	0	161,699	0	
JAN.		0		0			0		0	0		0	
FEB.		0		0			0		0	0		0	
MAR.		0		0			0		0	0		0	
APR.		0		0			0		0	0		0	
MAY		0		0			0		0	0		0	
JUNE		0		0			0		0	0		0	
JULY		0		0			0		0	0		0	
AUG.		0		0			0		0	0		0	
SEPT.		0		0			0		0	0		0	
OCT.		0		0			0		0	0		0	
NOV.		1		0			42		42	63		63	1,500
DEC.		10		0			337	5214	34	536	162,298	54	1,590
TOTAL				0			379		599				

YEAR 1980

JAN.													
FEB.													
MAR.													
APR.													
MAY													
JUNE													
JULY													
AUG.													
SEPT.													
OCT.													
NOV.													
DEC.													
TOTAL													

YEAR

JAN.													
FEB.													
MAR.													
APR.													
MAY													
JUNE													
JULY													
AUG.													
SEPT.													
OCT.													
NOV.													
DEC.													
TOTAL													

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION

R.B.
EXHIBIT NO. 3
CASE NO. 6387

WELL NO. 10140
LEASE

[illegible]

YEAR 1976

[illegible]

YEAR 1977

YEAR 1977											
JAN.	0										
FEB.	27										
MAR.	9										
APR.	0										
MAY	0										
JUNE	0										
JULY	0										
AUG.	1										
SEPT.	0										
OCT.	0										
NOV.	0										
DEC.	0										
TOTAL											
<div> <div>205</div> <div>4,835</div> <div>37,361</div> <div>138,011</div> <div>25,935</div> </div>											

YEAR 1978

[illegible]

CASE 6807: Application of Meadco Properties, Ltd. for an exception to Order No. R-111-A, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the casing-cementing rules of Order No. R-111-A to permit a proposed well in Unit L of Section 4, Township 21 South, Range 29 East, to be completed by setting surface casing at 550 feet and production casing at total depth and cementing both casing strings to the surface.

CASE 6808: Application of Conoco Inc. for two non-standard gas proration units and two unorthodox well locations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard gas proration unit comprising the NW/4 of Section 24, Township 20 South, Range 37 East, Eumont Gas Pool, and also a 120-acre non-standard gas proration unit comprising the W/2 SW/4 and SE/4 of said Section 24, each of said units to be dedicated to a well to be drilled at an unorthodox location, the first being 990 feet from the North line and 330 feet from the West line of the section, and the second being 1650 feet from the South line and 330 feet from the East line.

CASE 6387: (Reopened and Readvertised)

In the matter of Case 6387 being reopened pursuant to the provisions of Order No. R-5353-E which order reclassified the North Tocito Dome-Pennsylvanian Gas Pool as an associated pool with special rules and regulations therefor. All interested parties may appear and show cause why the North Tocito Dome-Pennsylvanian Associated Pool should not be reclassified as a gas pool to be governed by statewide rules.

CASE 6809: Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Betenbough Unit Area, comprising 1921 acres, more or less, of State and fee lands in Township 13 South, Range 36 East.

CASE 6790: (Continued from January 30, 1980, Examiner Hearing)

Application of Merrion & Bayless for gas well commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to temporarily commingle certain of its Pictured Cliffs gas wells in Sections 1, 2, 3, 9, 10, and 11, Township 26 North, Range 13 West, in a common gathering system and meter the entire lease output through the purchaser's sales meter located in Unit M of said Section 7.

CASE 6784: (Continued from January 30, 1980, Examiner Hearing)

Application of Merrion & Bayless for a non-standard proration unit and an unorthodox gas well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 640-acre non-standard gas proration unit comprising the W/2 of Section 18 and the W/2 of Section 19, Township 32 North, Range 14 West, Barker Creek-Paradox Pool, to be dedicated to its Ute Well No. 7 at an unorthodox location 1685 feet from the South line and 3335 feet from the East line of said Section 19.

In the alternative, applicant seeks an order force pooling all of said Section 19 to form a standard 640-acre unit.

CASE 6795: (Continued and Readvertised)

Application of Torreon Oil Company for a waterflood project, Sandoval County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the San Luis-Mesaverde Oil Pool by the injection of water into the Menafée formation through its San Luis Fed. Wells Nos. 1 and 2, located in Unit K of Section 21, Township 18 North, Range 3 West. Applicant further seeks an administrative procedure for approval of additional producing and injection wells at unorthodox locations in said project.

CASE 6810: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating and extending the vertical and horizontal limits of certain pools in Chaves, Eddy, and Lea Counties, New Mexico:

(a) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Fusselman production and designated as the Brunson-Fusselman Pool. The discovery well is Amoco Production Company Grizzell B Well No. 3 located in Unit H of Section 8, Township 22 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
Section 8: NE/4

Dockets Nos. 5-80 and 6-80 are tentatively set for February 27 and March 12, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - FEBRUARY 13, 1980

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

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

- ALLOWABLE:
- (1) Consideration of the allowable production of gas for March, 1980, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for March, 1980, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
 - (3) Consideration of purchaser's nominations for the one year period beginning April 1, 1980, for both of the above areas.

CASE 6803: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit EPROC Associates, Hartford Accident and Indemnity Company, and all other interested parties to appear and show cause why its Monsanto State H Well No. 1 located in Unit E of Section 2, Township 30 North, Range 16 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6787: (Continued from January 16, 1980, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion to consider the approval of 12 non-standard proration units ranging in size from 261.51 acres to 334.24 acres for 320-acre spaced pools, and 19 non-standard proration units ranging in size from 162.65 acres to 207.57 acres for 160-acre spaced pools, all of the aforesaid units being in and resulting from the irregular size and shape of Sections 1 thru 7 and 18, 19, 30, and 31, along the North and West sides of Township 28 North, Range 3 West, Rio Arriba County.

CASE 6487: (Continued from January 3, 1980, Examiner Hearing)

Application of El Paso Natural Gas Company 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 its Shell E State Com Well No. 2 located in Unit N of Section 6, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.

CASE 6804: Application of The Superior Oil Company for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Bondurant Federal Com Well No. 1, a Morrow test to be drilled 1980 feet from the South line and 660 feet from the East line of Section 1, Township 19 South, Range 32 East, the S/2 of said Section 1 to be dedicated to the well.

CASE 6767: (Continued from January 16, 1980, Examiner Hearing)

Application of Alpha Twenty-One Production Company for two non-standard gas proration units, unorthodox well location, and approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 40-acre non-standard proration unit comprising the NW/4 NW/4 of Section 27, Township 25 South, Range 37 East, Jalmat Gas Pool, to be dedicated to El Paso Natural Gas Company's Harrison Well No. 2, and also a 200-acre unit comprising the S/2 N/2 and NE/4 NW/4 of said Section 27 to be dedicated to a well to be drilled at an unorthodox location 1980 feet from the North line and 560 feet from the West line of Section 27. Applicant further seeks a finding that the drilling of the latter well is necessary to effectively and efficiently drain that portion of an existing proration unit which cannot be so drained by the existing well.

CASE 6805: Application of Hondo Oil and Gas Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Federal 10 Well No. 1, a Wolfcamp-Pennsylvanian test to be drilled 1550 feet from the North line and 660 feet from the West line of Section 10, Township 18 South, Range 28 East, the W/2 of said Section 10 to be dedicated to the well.

CASE 6806: Application of Westall, Mask and Jennings for an exception to Order No. R-3221, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221 to permit disposal of produced brine into unlined surface pits adjacent to tank batteries in Sections 23, 24, 25, 26, 27, 34 and 35, Township 18 South, Range 31 East.

(b) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the North Illinois Camp-Morrow Gas Pool. The discovery well is Hondo Oil and Gas Company Exxon State Well No. 1 located in Unit K of Section 9, Township 18 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 18 SOUTH, RANGE 28 EAST, NMPM
Section 9: All

(c) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Upper Pennsylvanian production and designated as the Kennedy Farms-Upper Pennsylvanian Gas Pool. The discovery well is Yates Petroleum Corporation Seigenthaler "15" Com Well No. 2 located in Unit K of Section 21, Township 17 South, Range 26 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 26 EAST, NMPM
Section 15: All
Section 16: E/2
Section 21: All
Section 28: E/2
Section 33: E/2

(d) CREATE a new pool in Chaves County, New Mexico, classified as an oil pool for San Andres production and designated as the East Siete-San Andres Pool. The discovery well is Sundance Oil Company Grynberg Federal Well No. 3 located in Unit D of Section 14, Township 8 South, Range 31 East, NMPM. Said pool would comprise:

TOWNSHIP 8 SOUTH, RANGE 31 EAST, NMPM
Section 14: NW/4

(e) EXTEND the vertical limits of the Angell Ranch-Morrow Gas Pool in Eddy County, New Mexico, to include the Atoka formation and redesignate said pool as the Angell Ranch Atoka-Morrow Gas Pool and extend the horizontal limits of said pool to include therein:

TOWNSHIP 19 SOUTH, RANGE 27 EAST, NMPM
Section 24: W/2

(f) EXTEND the Antelope Ridge-Atoka Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM
Section 23: N/2

(g) EXTEND the Antelope Ridge-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM
Section 23: All

TOWNSHIP 24 SOUTH, RANGE 34 EAST, NMPM
Section 3: N/2

(h) EXTEND the West Arkansas Junction-San Andres Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 36 EAST, NMPM
Section 29: NE/4

(i) EXTEND the Austin-Mississippian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 36 EAST, NMPM
Section 18: N/2

(j) EXTEND the South Bell Lake-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 33 EAST, NMPM
Section 1: SE/4
Section 12: N/2

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

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

- (l) EXTEND the Buffalo Valley-Pennsylvanian Gas Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 27 EAST, NMPM
Section 25: S/2

TOWNSHIP 15 SOUTH, RANGE 28 EAST, NMPM
Section 20: N/2

- (m) EXTEND the North Burton Flats-Wolfcamp Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 28 EAST, NMPM
Section 22: N/2

- (n) EXTEND the South Carlsbad-Delaware Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 26 EAST, NMPM
Section 24: SW/4 NE/4

- (o) EXTEND the Caudill-Devonian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 36 EAST, NMPM
Section 9: NW/4 and N/2 SW/4

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

TOWNSHIP 11 SOUTH, RANGE 26 EAST, NMPM
Section 14: NW/4 NW/4

- (q) EXTEND the South Culebra Bluff-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPM
Section 11: E/2

- (r) EXTEND the Diamond Mound-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 27 EAST, NMPM
Section 10: All
Section 12: S/2

- (s) EXTEND the Double L Queen Associated Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 29 EAST, NMPM
Section 23: W/2
Section 24: W/2 NE/4

- (t) EXTEND the Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 36 EAST, NMPM
Section 12: SW/4

- (u) EXTEND the Dublin Ranch-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM
Section 15: S/2

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

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 25: N/2

TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM
Section 4: S/2

- (w) EXTEND the East Empire Yates-Seven Rivers Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 22: NE/4 and NE/4 SE/4

- (x) EXTEND the Eumont Yates Seven Rivers-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM
Section 4: Lots 9, 10, 11, 12, 13, 14,
15 and 16

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

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 33: E/2 NE/4
Section 34: W/2

- (z) EXTEND the Golden Lane-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMPM
Section 5: S/2
Section 8: N/2

- (aa) EXTEND the Hardy-Blinbry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
Section 11: NE/4

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

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM
Section 22: W/2

- (cc) EXTEND the Maljamar Grayburg-San Andres Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 33 EAST, NMPM
Section 23: NE/4
Section 24: NW/4

- (dd) EXTEND the Palmillo-Bone Springs Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 1: NE/4 and N/2 NW/4

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

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

- (ff) EXTEND the Penasco Draw San Andres-Yeso Associated Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 31: W/2 W/2

- (gg) EXTEND the Race Track-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 28 EAST, NMPM
Section 19: N/2 NE/4
Section 20: NW/4 NW/4

- (hh) EXTEND the Sand Dunes-Bone Springs Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 32 EAST, NMPM
Section 18: W/2

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

TOWNSHIP 26 SOUTH, RANGE 36 EAST, NMPM
Section 16: NW/4

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

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPH
Section 20: NW/4

(kk) EXTEND the Winchester-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 38 EAST, NMPH
Section 27: W/2

- CASE 6380:** Application of Harvey E. Yates Company, Inc., for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Travis Deep Well No. 3 located in Unit B of Section 13, Township 18 South, Range 28 East, to produce oil from the Travis-Upper Pennsylvanian Pool and gas from the Morrow formation, Eddy County, New Mexico, through parallel strings of tubing.
- CASE 6381:** Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of East Cottonwood Creek-Wolfcamp and Atoka production within the wellbore of its Lizzie Howard "HK" Well No. 1 located in Unit K of Section 13, Township 16 South, Range 25 East, Eddy County, New Mexico.
- CASE 6382:** Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Permo-Penn and Little Box Canyon-Atoka production within the wellbore of its Federal "HQ" Well No. 1 located in Unit K of Section 5, Township 21 South, Range 22 East, Eddy County, New Mexico.
- CASE 6383:** Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Eagle Creek Permo-Penn and the West Atoka-Morrow production within the wellbore of its Powell "DG" Com. Well No. 1 located in Unit O of Section 35, Township 17 South, Range 25 East, Eddy County, New Mexico.
- CASE 6384:** Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Permo-Penn and Atoka production within the wellbore of its Federal "AB" Com. Well No. 5 located in Unit L of Section 21, Township 18 South, Range 25 East, Eddy County, New Mexico.
- CASE 6385:** Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Box Canyon Permo-Penn and Box Canyon-Strawn production within the wellbore of its Huber I-A Federal Well No. 2 located in Unit P of Section 15, Township 21 South, Range 21 East, Eddy County, New Mexico.
- CASE 6386:** Application of Atlantic Richfield Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Ellenburger, Devonian, and McKee formations underlying the N/2 of Section 21, Township 22 South, Range 36 East, Lea County, New Mexico, to be dedicated to its Langley Greer Com Well No. 1 located 1650 feet from the North line and 1980 feet from the West line of said Section 21. 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 6387:** Application of R B Petroleum Company for pool reclassification, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the reclassification of the North Tooto Dome-Pennsylvanian Pool as an associated pool and the promulgation of special pool rules therefor. In the alternative, applicant seeks the abolishment of the North Tooto Dome-Pennsylvanian Pool and the inclusion of the abolished lands in the Tooto Dome Pennsylvanian "D" Associated Pool.
- CASE 6388:** Application of Amoco Production Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the E/2 of Section 20, Township 23 South, Range 29 East, Eddy County, New Mexico, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- CASE 6389:** Application of Durham, Inc., for pool contraction and extension, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the Indian Basin-Morrow Gas Pool by the deletion therefrom of the N/2 of Section 8, Township 21 South, Range 24 East, Eddy County, New Mexico, or in the alternative, all of said Section 8, and the extension of the Cemetery-Morrow Gas Pool to include the aforesaid N/2 or all of said Section 8.
- CASE 6390:** Application of C & E Operators for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down thru the Pictured Cliffs formation underlying the SW/4 of Section 10, Township 30 North, Range 11 West, San Juan County, New Mexico, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

Docket No. 37-78

Dockets Nos. 39-78 and 40-78 are tentatively set for hearing on December 7 and 20, 1978. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: COMMISSION HEARING - TUESDAY - NOVEMBER 14, 1978

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

The following cases are continued from the November 7, 1978, Commission Hearing.

CASE 6146: (DE NOVO) (Continued and Readvertised)

Application of Jerome P. McHugh for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Tapacito-Gallup and Basin-Dakota production within the wellbore of his Jicarilla Well No. 5 located in Unit D of Section 29, Township 26 North, Range 4 West, Rio Arriba County, New Mexico.

Upon application of Jerome P. McHugh this case will be heard De Novo pursuant to the provisions of Rule 1220.

CASE 6266: (DE NOVO)

Application of Harvey E. Yates Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of an Upper Pennsylvanian test well to be located 660 feet from the North and East lines or, in the alternative, 990 feet from the North and East lines of Section 23, Township 22 South, Range 23 East, Indian Basin-Upper Pennsylvanian Gas Pool, Eddy County, New Mexico, all of said Section 23 to be dedicated to the well.

Upon application of Harvey E. Yates Company this case will be heard De Novo pursuant to the provisions of Rule 1220.

CASE 6377: Application of Durham, Inc., for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying Section 8, Township 21 South, Range 24 East, Indian Basin-Morrow Gas Pool, Eddy County, New Mexico, to be dedicated to a well to be drilled 1650 feet from the North and East lines of said Section 8. 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 6378: In the matter of the hearing called by the Oil Conservation Division on the motion of Shell Oil Company to permit Corinne Grace and all other interested parties to appear and show cause why Division Order No. R-3713, which pooled all of Section 8, Township 21 South, Range 24 East, Eddy County, New Mexico, should not be declared null and void, if said pooling order has not already automatically expired due to non-production.

CASE 6379: Application of Shell Oil Company for pool contraction and pool extension, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the Indian Basin-Morrow Gas Pool by the deletion therefrom of the N/2 of Section 8, Township 21 South, Range 24 East, Eddy County, New Mexico, or in the alternative, all of said Section 8, and the extension of the Cemetery-Morrow Gas Pool to include the aforesaid N/2 or all of said Section 8.

Docket No. 38-78

DOCKET: EXAMINER HEARING - TUESDAY - NOVEMBER 21, 1978

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

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

- ALLOWABLE:
- (1) Consideration of the allowable production of gas for December, 1978, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for December, 1978, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

CASE 6391: Application of Acoma Oil Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blinbry, Wantz-Abo, and Drinkard production within the wellbore of its Sarkeys Well No. 1 located in Unit A of Section 26, Township 21 South, Range 37 East, Lea County, New Mexico.

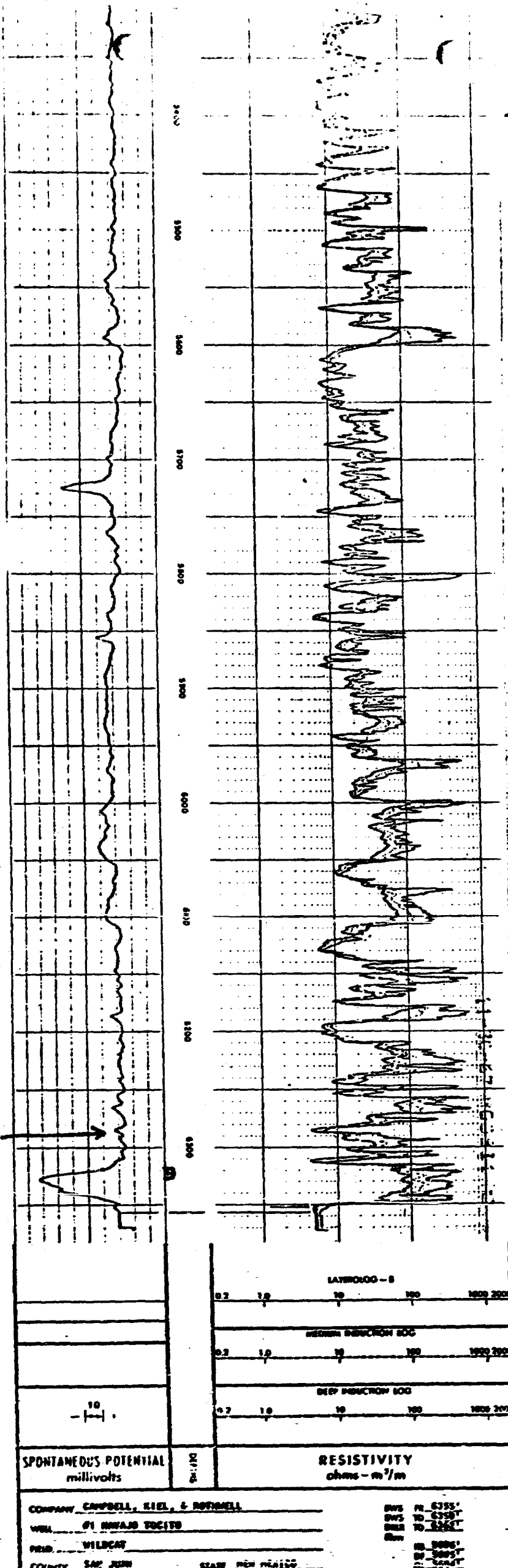
CASE 6364: (Continued from October 25, 1978, Examiner Hearing)

Application of Adobe Oil Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface to the base of the Ellenburger formation underlying the NW/4 SE/4 of Section 23, Township 20 South, Range 38 East, Lea County, New Mexico, to be dedicated to a proposed oil well to be drilled at a standard location thereon. Applicant seeks the pooling of the SE/4 of said Section 23 in the event said drilling results in a gas well. 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.

Type Log
Dual Induction Lateral Log

Top Penn "D"
6288'
Sub Sea -592
Perforations
6322'-6328'

RB#1
A-9



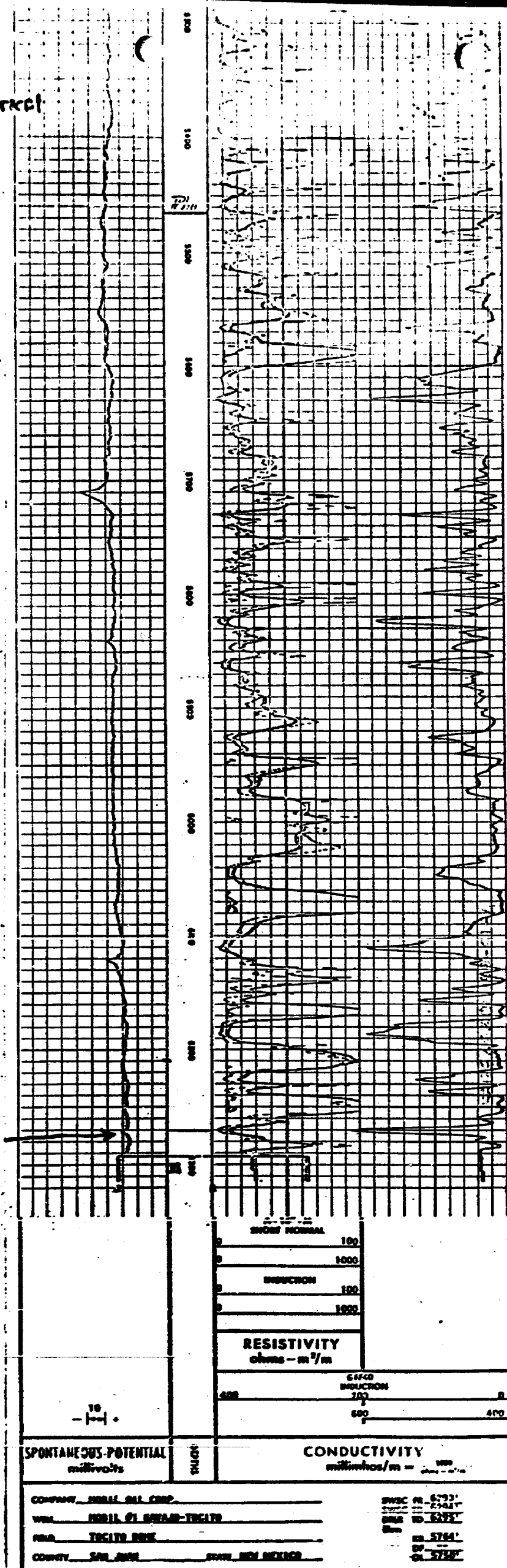
RECORD EXAMINER, NUTTER
OIL CORPORATION DIVISION
RB EXHIBIT NO. 2
CASE NO. 6387

SPONTANEOUS POTENTIAL millivolts		RESISTIVITY ohms-m/m	
COMPANY CAMPBELL, KIEL, & ROBINELL		DATE FEB 63	
WELL #1 HAWAII TECTO		TIME 10:30 AM	
FIELD WILCOX		BY J. H. HARRIS	
CITY SAN JOSE		STATE NEW MEXICO	

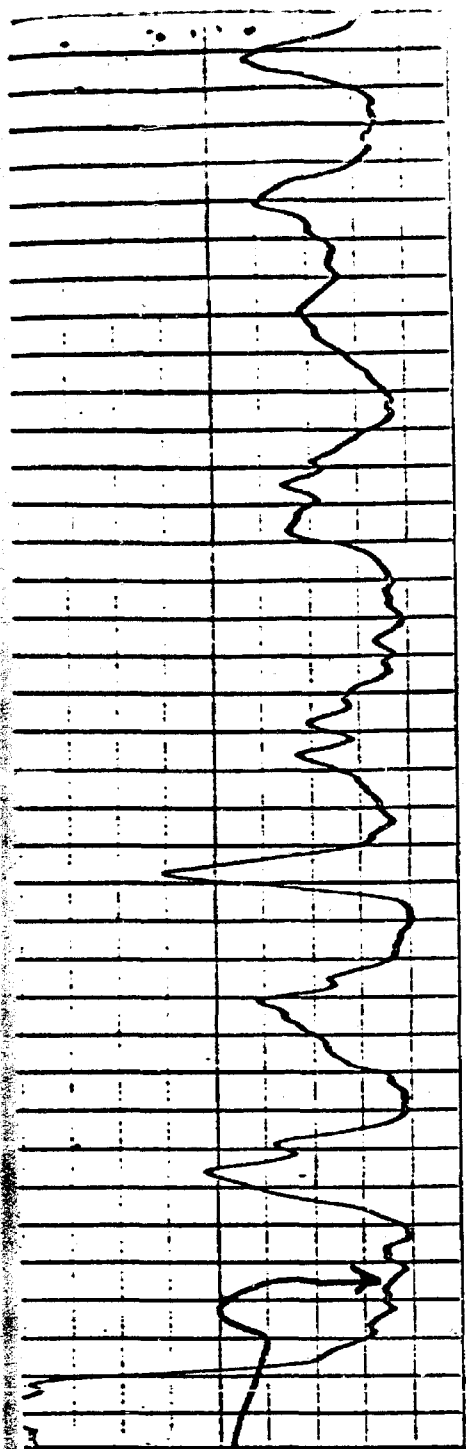
Type Log
Induction-Electrical

Top Penn "D"
6275'
Sub Sea -511'
Perforations
6300'-6306'

Mobil #1
M-9



SPONTANEOUS POTENTIAL millivolts		CONDUCTIVITY millimhos/cm = 1000 ohm-m	
COMPANY MOBIL OIL CORP.		WELL NO. 6275'	
WELL MOBIL OIL MEXICO-TULSA		DATE TO 6275'	
FIELD TULSA OIL		NO. 5754'	
COUNTY SAN JUAN		STATE NEW MEXICO	

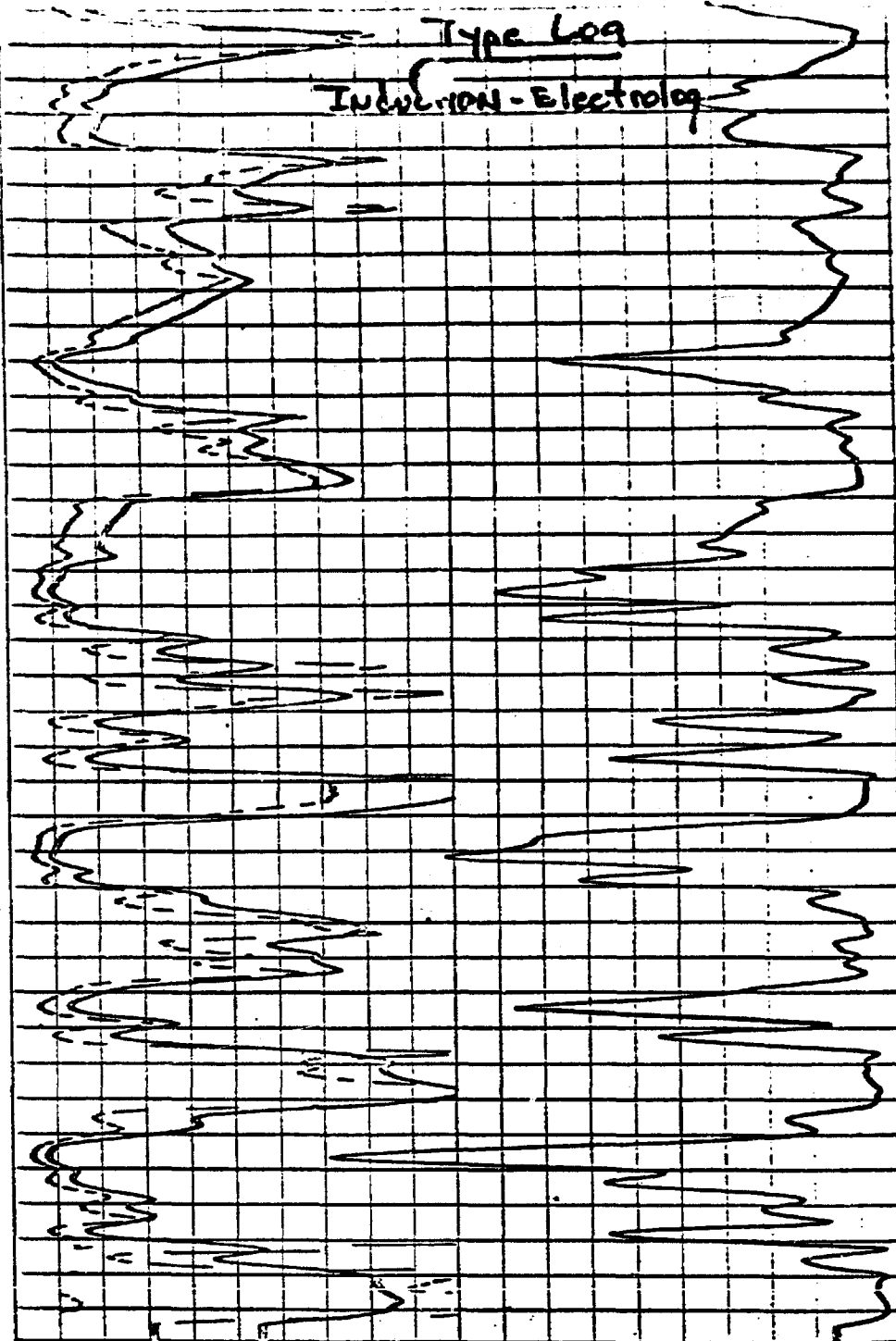


6100

6200

6300

64



Top Penn "D"
6354'

Sub Sea - 636

Perforations
6382'-6292'

- $\frac{1}{10}$ +

0	1000
0	100
INDUCTION RESISTIVITY 40" SPACING	
0	1000
0	100
16" NORMAL	
RESISTIVITY Ohms m ² /m	
800	400
400	0
INDUCTION CONDUCTIVITY 40" SPACING	
CONDUCTIVITY Millimhos/m	

SPONTANEOUS POTENTIAL
Millivolts

DEPTH

CONDUCTIVITY
Millimhos/m

Company SOUTHERN GULF PRODUCTION CO.

Well #4 NAVAJO TOCITO

Field TOCITO DOME

County SAN JUAN

State NEW MEXICO

Drillers T.D.

Log F.R.

Log T.D.

Elevations:

6397

6395

6399

K.B. 5718 D.F. 5717 G.L. 5705

RB #4
L-10

N MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-68

RB #1

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 12-12-67	
Company Campbell, Kiel & Rothwell		Connection Dome	
Pool Tecate Dome		Formation Tecate	
Completion Date 12-2-67	Total Depth 6345	Plug Back TD 6328	Elevation 2096 (23)
Form or Lease Name Navajo Tecate		Well No. 1	
Cas. Size 2.375	Int. Size 4.7	Set At 1.995	Set At 6300
Perforations: From Open To 6328		Perforations: From Open To 6328	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single		Packer Set At Dome	
Producing thru Tubing		Reservoir Temp. °F 130 = 6365	
Mean Annual Temp. °F -		Baro. Press. - P _a 12.0	
State New Mexico		County San Juan	
L 6300	H 6328	G _s E _g 0.72	% CO ₂ -
% N ₂ -		% H ₂ S -	
Prover -		Motor Run 4"	
Taps Flange			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							2345	-	2344	-	9 in
1.	4.0"	2.50	640	23	34	2338	-	2400	-	1.25 hr	
2.	4.0"	2.50	640	48	34	2334	-	2292	-	1.00 hr	
3.	4.0"	2.50	640	61	63	1771	-	2171	-	1.00 hr	
4.											
5.											

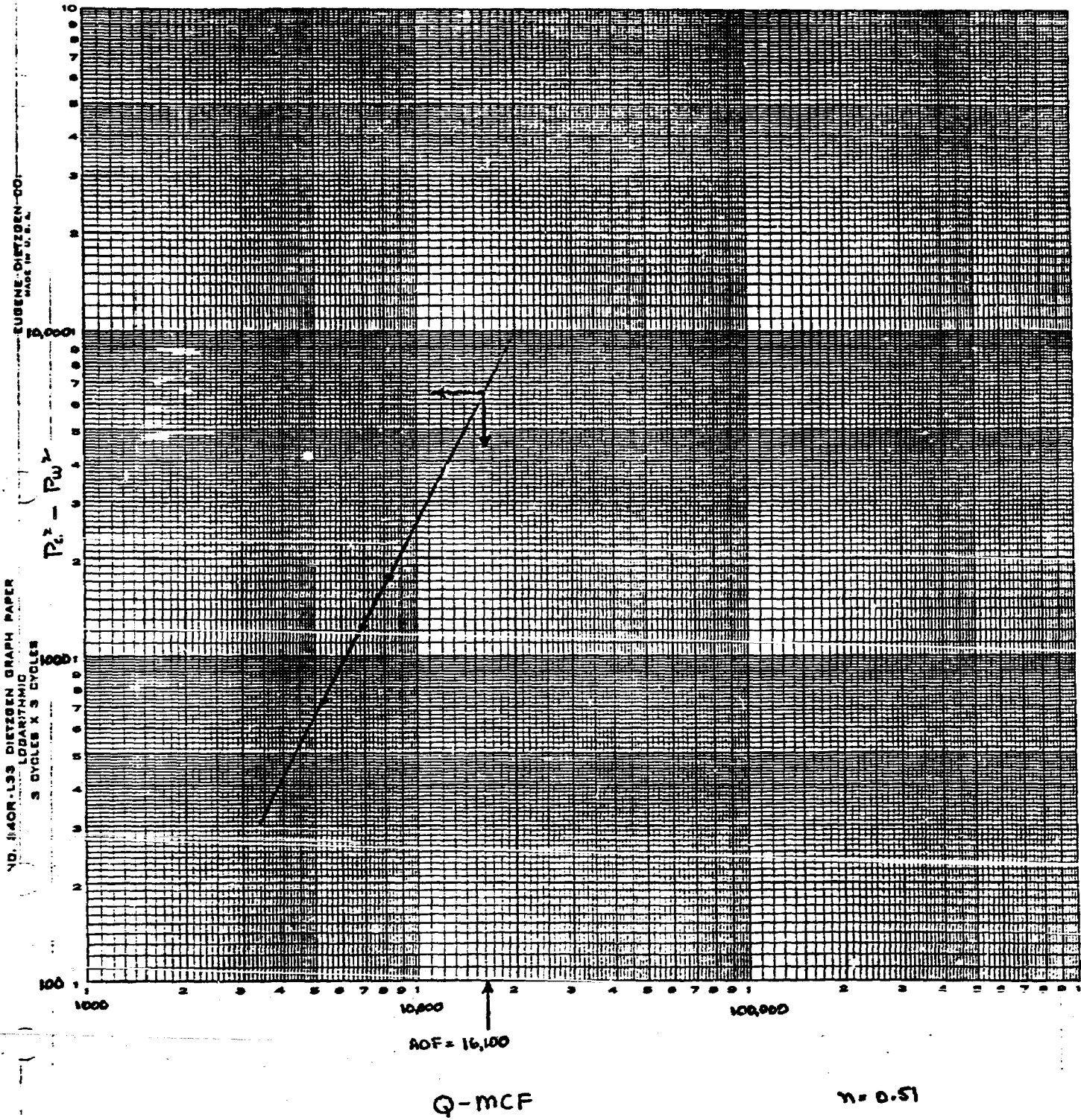
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	42.13	123.3	-	1.0000	0.9129	1.0000	5.343
2	42.13	123.3	-	1.0000	0.9129	1.0000	6.544
3	42.13	123.3	-	0.9971	0.9129	1.0070	8.275
4.							
5.							

NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1					23.45 Mcf/bbl.	-	0.72	XXXXXXX	P.S.I.A.	P.S.I.A.
2.										
3.										
4.										
5.										

P _c 2390	P _c ² 6303	(1) $\frac{P_c^2}{R^2 - R_w^2} = \underline{\underline{3.60}}$	(2) $\left[\frac{R^2}{R^2 - R_w^2} \right]^n = \underline{\underline{1.945}}$
NO.	P _t ²	P _w ²	P _c ² - P _w ²
1		2613	725
2		2304	1233
3		2163	1778
4			
5			

Absolute Open Flow 16,095		Mcf/d @ 15.025	Angle of Slope 0.01	Slope, n 0.01
Test conducted thru test unit. Check openings - 1st flow rate - 14/60. 2nd flow rate - 21/64", 3rd flow rate 27/64".				
Approved By Commission	Computed By Walter H. Walsh	Checked By Walter H. Walsh		

CAMPRELL, KIEL & ROTHWELL
 Navajo Tocito No. 1
 SWNE Sec. 9-T26N-R18W
 San Juan County, New Mexico
 December 12, 1967



MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-122
 Revised 8-1-66

RB#4

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 1-13-69	
Company Southern Gulf Prod. Co.		Connection ---	
Pool Tocito		Formation Penn. E	
Completion Date 12-31-68		Total Depth 6397	Plug Back TD 6396
Elevation 5705		Form or Lease Name Navajo Tocito	
Cas. Size 4 1/2"	WT. 9.5	Set At 4.090	Perforations: From 6382 To 6392
Log. Size 2-3/8	WT. 4.7	Set At 1.99	Perforations: From Open end To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	County San Juan
Producing Time Tubing		Reservoir Temp. °F 58.0	Mean Annual Temp. °F 58.0
State New Mexico		Date	
L	K	G _g 0.876	% CO ₂
		% H ₂	% H ₂ S
		Proven	Motor Run
			Tape
Fig.			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Proven Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. In. H ₂ O	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
51							2584		2585		3 days
1.	4		2.00	599	16	53°	2509		2585		1 hr
2.	4		2.00	660	29	52	2472		2585		1 hr
3.	4		2.00	725	60	54	2381		2585		1 hr
4.	4		2.00	753	100	60	2262		2582		1 hr
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mcfd
1	25.58	98.8	611	1.0068	.8353	1.126	2.393
2	25.58	139.6	672	1.0078	.8353	1.160	3.487
3	25.58	210.4	737	1.0058	.8353	1.154	5.217
4	25.58	276.0	765	1.0000	.8353	1.164	6.954
5							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	35,480	G _{sc} Mcf/Day
1.					A.P.L. Gravity of Liquid Hydrocarbons		Dep.
2.					Specific Gravity Separator Gas		XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX	
4.					Critical Pressure	P.S.I.A.	P.S.I.A.
5.					Critical Temperature	R	R

P _c 2597	P _c ² 6744				
NO.	P ₁ ²	P ₂ ²	P ₂ ² - P ₁ ²	(1) $\frac{P_c^2}{P_2^2 - P_1^2}$	(2) $\left[\frac{P_c^2}{P_2^2 - P_1^2} \right]^n$
1	2597	6744	0		
2	2597	6744	0		
3	2597	6744	0		
4	2594	6729	15		
5					

AOFP = Q $\left[\frac{P_c^2}{P_2^2 - P_1^2} \right]^n$ = **See Remarks**

Absolute Open Flow	155.126	Mcf @ 15.025	Angle of Slope @		Slope, n
--------------------	----------------	--------------	------------------	--	----------

Remarks: **Could not obtain proper drawdown due to limit on capacity of test unit. Choke sizes - Flow Rate #1 12/64 #2 16/64 #3 20/64 #4 25/64**

Approved By Commission	Conducted By Dave Collis	Calculated By Dave Collis	Checked By
------------------------	------------------------------------	-------------------------------------	------------

REPORT OF ANALYSIS

F. S. - 1182 M.S. N-45707 ,H 2.94 OBS. PRES. 67.6 CAL. PRES. 64.9
 STATE- NEW MEXICO COUNTY- SAN JUAN
 FIELD- TOCITO WELL NAME- TOCITO NAVAJO NO. 1
 LOCATION- SEC. 9, T26N, R18W OWNER- SOUTHERN GULF PRODUCTION CO.
 DATE COMPLETED- 12/12/67 DATE SAMPLED- 04/16/69
 SAMPLED BY- COLLINS *RB #1*
 NAME OF PRODUCING FORMATION- PENNSYLVANIAN
 DEPTH IN FEET- 6362 THICKNESS IN FEET-
 SHUT IN WELLHEAD PRES., PSIG- 2546 OPEN FLOW, MCF/D- 16095

CHECK OF DATA-
 THE WELL DATA ARE ACCURATE, () WITHOUT CORRECTION, () AS CORRECTED ABOVE.

REMARKS-

ANALYSIS-

METHANE	49.6 %	NORMAL PENTANE	.3 %	OXYGEN	.1 %
ETHANE	5.7 %	ISOPENTANE	.1 %	ARGON	.3 %
PROPANE	2.6 %	CYCLOPENTANE	TRACE %	HYDROGEN	TRACE %
NORMAL BUTANE	.9 %	HEXANES PLUS	.3 %	H ₂ S	0.0 %
ISOBUTANE	.5 %	NITROGEN	34.2 %	CO ₂	2.1 %
SPECIFIC GRAV	.796			HELIUM	3.26 %
				TOTAL	100.0 %

CALCULATED GROSS BTU/CU. FT., DRY AT 60 DEG. F AND 30 IN. MERCURY-

BTK 752.

PERMISSION FOR RELEASE:

Permission is hereby granted for the Bureau of Mines to release the above data, together with similar data released by other operators as public information and as parts of a series of papers on analyses of gases from various fields, states, or regions.

BEFORE EXAMINER NUTTER

OIL CONSERVATION DIVISION

RB EXHIBIT NO. *5*

CASE NO. *6387*

COMPANY _____

BY _____

TITLE _____

CORE LABORATORIES, Inc.
Petroleum Reservoir Engineering
DALLAS, TEXAS

May 3, 1978

Page 1 of 1

File RFL 78245

Company Gulf Coast Producing Company Formation _____

Well Navajo - Tocito No. 1 County _____

Field Tocito Dome (North) State _____

HYDROCARBON ANALYSIS OF _____ GAS SAMPLE

COMPONENT	MOL PER CENT	GPM
Hydrogen	Nil	
Helium	2.07	
Hydrogen Sulfide	Nil	
Carbon Dioxide	3.25	
Nitrogen	26.70	
Methane	54.59	
Ethane	7.60	2.072
Propane	3.52	0.988
iso-Butane	0.61	0.204
n-Butane	0.96	0.309
iso-Pentane	0.24	0.089
n-Pentane	0.22	0.081
Hexanes	0.13	0.054
Heptanes plus	0.11	0.051
	100.00	3.927

Calculated gas gravity (air = 1.000) = 0.796

Calculated gross heating value = 875 BTU per
cubic foot of dry gas at 15.025psia at 60°F.

BTU 875

Collected at 500 psig and 90 °F. on 4-11-78.

Core Laboratories, Inc.

P. L. Moses

PLM:HLS:lf
7 cc: McDaniel Production Company
612 S. Industrial Avenue
Farmington, New Mexico 87401

P. L. Moses, Manager
Reservoir Fluid Analysis

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representation as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

7
REPORT OF ANALYSIS 7

F. S. - 11829 M.S. N-45706 ,H 5.15 OBS. PRES. 69.2 CAL. PRES. 66.5
STATE- NEW MEXICO COUNTY- SAN JUAN
FIELD- TOCITO WELL NAME- TOCITO NAVAJO NO. 4
LOCATION- SEC. 10, T26N, R18W. OWNER- SOUTHERN GULF PRODUCTION CO.
DATE COMPLETED- 01/13/69 DATE SAMPLED- 04/16/69
SAMPLED BY- COLLINS
NAME OF PRODUCING FORMATION- PENNSYLVANIAN
DEPTH IN FEET- 6397 THICKNESS IN FEET-
SHUT IN WELLHEAD PRES., PSIG- 2585 OPEN FLOW, MCF/D- 155126

CHECK OF DATA-
THE WELL DATA ARE ACCURATE, () WITHOUT CORRECTION, () AS CORRECTED ABOVE.

REMARKS-

ANALYSIS-

METHANE	32.6 %	NORMAL PENTANE	.5 %	OXYGEN	0.0 %
ETHANE	4.8 %	ISOPENTANE	.2 %	ARGON	.6 %
PROPANE	2.6 %	CYCLOPENTANE	.1 %	HYDROGEN	.1 %
NORMAL BUTANE	1.0 %	HEXANES PLUS	.3 %	H2S	0.0 %
ISOBUTANE	.5 %	NITROGEN	51.2 %	CO2	.1 %
SPECIFIC GRAV	.844			HELIUM	5.40 %
				TOTAL	100.0 %

CALCULATED GROSS BTU/CU. FT., DRY AT 60 DEG. F AND 30 IN. MERCURY- 584.

PERMISSION FOR RELEASE:

Permission is hereby granted for the Bureau of Mines to release the above data, together with similar data released by other operators as public information and as parts of a series of papers on analyses of gases from various fields, states, or regions.

BEFORE EXAMINER NUTTER

OIL CONSERVATION DIVISION

RB EXHIBIT NO. 6

CASE NO. 6387

COMPANY

BY

TITLE

El Paso Natural Gas Company

El Paso, Texas 7990

ADDRESS REPLY TO
POST OFFICE BOX 600
FARMINGTON, NEW MEXICO 87401

September 14, 1970

Mr. Ewell N. Walsh
Walsh Engineering and Production Corp.
Post Office Box 254
Farmington, New Mexico 87401

Re: Tocito Dome Meter Run
Meter Code Number 01-781-01

Dear Mr. Walsh:

In accordance with your request we are enclosing a copy of our
gas analysis for August, 1970 of the gas from the captioned
meter run.

Very truly yours,

EL PASO NATURAL GAS COMPANY

Lowell M. Parrish, Jr.

Lowell M. Parrish, Jr.
Superintendent
Technical Operations

LMD:jls

cc: E. W. Woody
Enclosure

*gas from
Tocito Dome
as per
paul.*

BEFORE EXAMINER NUTTER	
OIL CONSERVATION DIVISION	
RB	EXHIBIT NO. 7
CASE NO.	6387

EL PASO NATURAL GAS COMPANY
CHROMATOGRAPHIC GAS ANALYSIS REPORT

RUN DATE 08 22 70
CALC DATE 09 10 70

METER 0178102
OPER 6715

TYPE CODE	SAMPLE DATE	EFF. DATE	USE MOS.	SCALE	H2S GRAINS	LOCATION
20	08 18 70	09 70	03		0000	F

	NORMAL MOL%	GPM
C O 2	00.97	0.000
H 2 S	00.00	0.000
N 2	04.61	0.000
METHANE	76.44	0.000
ETHANE	09.67	0.000
PROPANE	04.84	1.334
ISO-BUTANE	00.82	0.269
NORM-BUTANE	01.65	0.521
ISO-PENTANE	00.37	0.136
NORM-PENTANE	00.36	0.131
HEXANE PLUS	00.27	0.118
TOTALS	100.00	2.509

SPECIFIC GRAVITY 0.736

MIXTURE HEATING VALUE
(BTU/CF @ 14.73 PSIA, 60 DEGREES, DRY) 1195 BTU

RATIO OF SPECIFIC HEATS 1.285

BURR & COOLEY
ATTORNEYS AND COUNSELORS AT LAW
SUITE 300, 300 W. ARRINGTON
FARMINGTON, NEW MEXICO
87401

JOEL R. BURR, JR.
WILLIAM J. COOLEY

OCT 26 1978

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SANTA FE

TELEPHONE 928-1701
AREA CODE 505

October 20, 1978

State of New Mexico
Oil Conservation Division
Energy & Minerals Department
P. O. Box 2088
Santa Fe, N.M. 87501

Re: R B Petroleum Company

Gentlemen:

Forwarded herewith is the Application of R B Petroleum Company. We request that it be set down for hearing at the Department's earliest convenience, provided that our expert witness, Mr. Ewell N. Walsh, will not be available to testify during the period October 25-November 8, 1978.

Very truly yours,

BURR & COOLEY

By 
William J. Cooley

WJC:jjh
Encls.

OCT 26 1978

BEFORE THE
OIL CONSERVATION DIVISION
ENERGY & MINERALS DEPARTMENT
STATE OF NEW MEXICO

CONSERVATION COMMISSION
Santa Fe

IN THE MATTER OF THE APPLICATION
OF
R B PETROLEUM COMPANY TO RE-DESIGNATE
THE TOCITO DOME PENNSYLVANIAN NORTH
(GAS) POOL, SAN JUAN COUNTY, NEW
MEXICO, AND TO APPROVE ALL UNORTHODOX
WELL LOCATIONS THAT MAY RESULT FROM
SUCH RE-DESIGNATION.

No. 6387

A P P L I C A T I O N

COMES NOW R B Petroleum Company, Applicant in the above styled and numbered cause, and respectfully requests the Department to re-designate the Tocito Dome Pennsylvanian North (Gas) Pool, as a new "Associated Pool", or in the alternative to include the area presently encompassed by the Tocito Dome Pennsylvanian North (Gas) Pool within the horizontal limits of the Tocito Dome Pennsylvanian "D" Associated Pool.

In support of the foregoing Application, Applicant would show the Department that the producing wells in the field have gas/oil ratios more typical of oil or associated reservoirs, rather than gas reservoirs.

Further in support of the foregoing Application, Applicant would show the Department that the relief herein sought, if granted, will not cause waste, nor impair the correlative rights of any other operator in the pool.

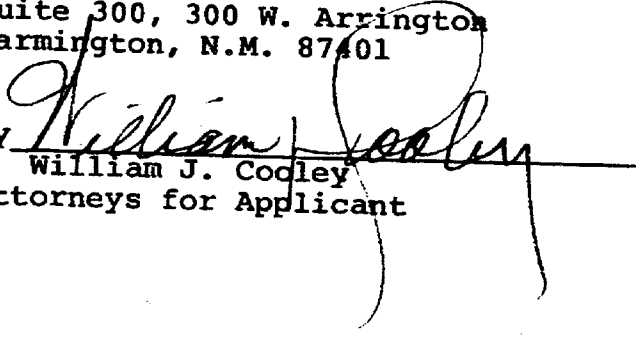
Applicant would further call to the attention of the Department that the relief requested above would result in rendering the Applicant's Navajo Tocito No. 4 Well as an unorthodox location. Accordingly, Applicant hereby requests that the Order creating the special pool rules hereinabove sought also contain a well location exception for all existing wells which may require such an exception.

WHEREFORE, Applicant prays:

1. That the Tocito Dome Pennsylvanian North (Gas) Pool be:
 - (a) re-designated as a new Associated Pool with pool rules identical to the pool rules for the Tocito Dome Pennsylvanian "D" Associated Pool; or,
 - (b) dissolved, and that the area presently covered by said pool be included within the horizontal limits of the Tocito Dome Pennsylvanian "D" Associated Pool.
2. That the Order creating the pool rules prayed for above also include a well location exception for all existing wells in the Tocito Dome Pennsylvanian North (Gas) Pool.

Respectfully submitted,

BURR & COOLEY
Suite 300, 300 W. Arrington
Farmington, N.M. 87401

By 
William J. Cooley
Attorneys for Applicant

~~BEFORE THE OIL CONSERVATION COMMISSION~~
~~OF THE STATE OF NEW MEXICO~~
~~ENERGY AND MINERALS DEPARTMENT~~

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

CASE NO. ~~5911~~ 6387
Order No. ~~R-5353-B~~
R-5353-E

RB PETROLEUM COMPANY FOR
APPLICATION OF ~~OBSSA NATURAL GAS~~
~~COMPANY FOR SPECIAL POOL RULES, RIO POOL RECLASSIFICATION, SAN~~
~~ARRIBA AND SANDOVAL COUNTIES, NEW MEXICO.~~

JUAN

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on ~~April 20, 1978,~~ November 21, 1978,
at Santa Fe, New Mexico, before Examiner ~~Richard L. Stamets.~~ Daniel S. Nutter, Division Director

NOW, on this ~~24th~~ day of ~~May~~, 1978, the ~~Commission,~~ Division Director
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

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

(2) That by Order No. ~~R-5192, dated March 30, 1976,~~ R-4260, effective March 1, 1972, the
temporary special rules and regulations were promulgated for
the Chacon Dakota Oil Pool, Rio Arriba and Sandoval Counties,
New Mexico, establishing temporary 80-acre spacing units.
North Tacito Dome - Pennsylvanian Gas Pool was created and defined, subject to the
general rules for gas pools in Northwest New Mexico

(3) That the applicant, ~~Obsssa Natural Gas Company,~~ RB Petroleum
the adoption of special rules and regulations for said Chacon
Dakota Oil Pool to provide for the classification of oil wells
and gas wells therein, and the adoption of 160-acre and 320-
acre spacing and proration units, respectively, therefor.

(4) That the evidence available at the time of the hearing
indicates that said ~~Chacon Dakota Oil Pool~~ North Tacito Dome - Pennsylvanian Gas Pool should be reclassified
as an associated pool.

(5) That the evidence available at the time of the hearing
indicates that said ~~Chacon Dakota Oil Pool~~ North Tacito Dome - Pennsylvanian Gas Pool may be efficiently
and economically developed by oil wells on 160-acre spacing

reclassification of said pool as an
associated pool, and the

Case No. ~~5353~~ 6387
Order No. R-5353-BE

and proration units and by gas wells on 320-acre spacing and proration units.

(6) That the application for special rules and regulations should be approved for a temporary period of one year to permit operators in the subject pool to gather additional reservoir information.

January, 1980,
(7) That this case should be reopened at an examiner hearing in ~~June, 1978,~~ at which time the operators in the subject pool should be prepared to appear and show cause why said pool should not be reclassified as ~~an oil~~ *a gas* pool to be governed by statewide rules.

IT IS THEREFORE ORDERED:

January 1, 1978, the North Tocco Dome-Pennsylvanian Gas
(1) That effective ~~June 1, 1977,~~ the ~~Chacon-Dakota Oil~~ Pool in ~~Rio Arriba and San Miguel Counties,~~ New Mexico, is hereby reclassified as an associated pool and redesignated the ~~Chacon-North Dakota Associated Pool.~~

North Tocco Dome-Pennsylvanian
(2) That said ~~Chacon-Dakota~~ Associated Pool shall be governed by the General Rules and Regulations for the Associated Oil and Gas Pools of Northwest and Southeast New Mexico, promulgated by Order No. R-5353, insofar as said General Rules and Regulations are not inconsistent with the Special Rules and Regulations for the subject pool as hereinafter set forth, in which event the Special Rules shall apply.

SPECIAL RULES AND REGULATIONS
FOR THE
NORTH TOCCO DOME-PENNSYLVANIAN/CHAACON-DAKOTA ASSOCIATED POOL

RULE 2. (a) A standard oil proration unit shall be 160 acres. A standard gas proration unit shall be 320 acres.

IT IS FURTHER ORDERED:

North Tocco Dome-Pennsylvanian
(1) That the locations of all wells presently drilling to or completed in the ~~Chacon-Dakota~~ Associated Pool or in the ~~Pennsylvanian-Dakota~~ formation within one mile thereof are hereby approved; that the operator of any well having an unorthodox location shall notify the Aztec District Office of the ~~Commission~~ in writing of the name and location of the well on or before ~~August 1, 1977.~~ *February 1, 1979.*

(2) That, pursuant to Paragraph A. of Section 65-3-14.5, N.M.S.A. 1953 Comp, contained in Laws 1969, Chapter 271, existing ~~oil~~ wells in the ~~Chacon-Dakota Associated Pool~~ *North Tocco Dome-Pennsylvanian*

-3-

Case No. ~~544~~ 6387
Order No. R-5353-~~2~~ E

North Tooto Dome - Pennsylvania

shall have dedicated thereto 160 acres and existing gas wells shall have dedicated thereto 320 acres in accordance with the foregoing pool rules; or, pursuant to Paragraph C. of said Section 65-3-14.5, existing wells may have non-standard spacing or proration units established by the ~~Commission~~ and dedicated thereto.

Division

Failure to file new Forms C-102 with the ~~Commission~~ dedicating the appropriate acreage to a well or to obtain a non-standard unit approved by the ~~Commission~~ within 60 days from the date of this order shall subject the well to cancellation of allowable. Until said Form C-102 has been filed or until a non-standard unit has been approved, and subject to said 60-day limitation, each well presently drilling to or completed in the ~~Chacon-Dakota~~ Associated Pool or in the ~~Dakota~~ formation within one mile thereof shall receive no more than an ~~80~~-acre allowable for the pool.

Pennsylvania

(3) That this case shall be reopened at an examiner hearing in ~~June, 1978~~, ^{January, 1980} at which time the operators in the subject pool should be prepared to appear and show cause why the ~~Chacon-Dakota~~ Associated Pool should not be reclassified as an ~~oil~~ pool to be governed by statewide rules.

North Tooto Dome - Pennsylvania

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

Division

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Phil R. Lucero
PHIL R. LUCERO, Chairman

Emery C. Arnold
EMERY C. ARNOLD, Member

Joe D. Ramey
JOE D. RAMEY, Member & Secretary

S E A L

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. 6387
Order No. R-5353-E-1

IN THE MATTER OF CASE 6387 BEING
REOPENED PURSUANT TO THE PROVISIONS
OF ORDER NO. R-5353-E WHICH ORDER CLASSI-
FIED THE NORTH TOCITO DOME-PENNSYLVANIAN
POOL, SAN JUAN COUNTY, NEW MEXICO, AS AN ASSOCIATED POOL
AND PROVIDED FOR 160-ACRE SPACING FOR OIL WELLS
AND 320-ACRE SPACING FOR GAS WELLS

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on February 13, 1980,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this _____ day of February 1980, 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 by Order No. R-5353-E dated December 21, 1978, tempo-
rary special rules and regulations were promulgated for the
North Tocito Dome Pennsylvanian pool, San Juan County, New Mexico, classifying
establishing temporary 160-acre spacing units for oil wells located
therein and 320-acre spacing for gas wells

(3) That pursuant to the provisions of Order No. R-5353-E,
this case was reopened to allow the operators in the subject pool
to appear and show cause why the subject pool should not be classified as
~~should not be developed on acre spacing units~~
~~an oil pool or a gas pool to be governed by the statewide rules.~~

(4) That the evidence establishes that the pool is apparently
an associated reservoir pool can efficiently and economically
drain and develop acres. and that pending further develop-
ment its classification as such should continue.

(5) That the Special Rules and Regulations promulgated by
Order No. R-5353-E have afforded and will afford to the owner of

mid pool as an associated oil and gas pool and

-2-

Case No. 6387
Order No. R-5353-E-1

each property in the pool the opportunity to produce his just and equitable share of the oil and gas in the pool.

(6) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the augmentation of risk arising from the drilling of an excessive number of wells, to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, the Special Rules and Regulations promulgated by Order No. R-5353-E should be continued in full force and effect ~~until further order of the Division~~ for an additional 18-month period.

IT IS THEREFORE ORDERED:

(1) That the Special Rules and Regulations governing the North Tooto Dome Pennsylvanian Associated Pool, San Juan County, New Mexico, promulgated by Order No. R-5353-E, are hereby continued in full force and effect until further order of the Division.

(2)
(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.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

SEAL

(2) That this case should be reopened at an examiner hearing in July, 1981, at which time the operators in the subject pool should be prepared to appear and show cause why the North Tooto Dome-Pennsylvanian Associated Pool should not be reclassified as an oil pool or as a gas pool to be governed by the statewide rules.

CASE 6388: AMOCO PRODUCTION COMPANY FOR
COMPTON, EDY COUNTY, NEW
MEXICO

any

Donner

Amoco
5023 TS