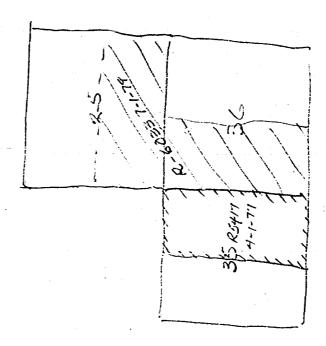
CASE 6642: BASS ENTERPRISES PRODUCTION COMPANY FOR POOL CONTRACTION AND CREATION, EDDY COUNTY, NEW MEXICO



Application Transcripts.

5man Exhibits

BRUCE KING GOVERNOR

LARRY KEHOE

Aztec OCD

Other

ENERGY AND MINERALS DEPARTMENT

· OIL CONSERVATION DIVISION

April 23, 1981

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

Company

Mr. Conrad E. Coffield Re: Hinkle, Cox, Eaton, Coffield & Hensley Attorneys at Law P. O. Box 3580 Midland, Texas 79702	CASE NO.	6642 7-6658
	Applicant:	
	Bass Enterpr	ises Production
Dear Sir:		
Enclosed herewith are two copies Division order recently entered	of the above in the subjec	-referenced t case.
Tours very truly, JOE D. RAMEY		
Director		
•		
JDR/fd		t
Copy of order also sent to:	• ,	
Hobbs OCD x Artesia OCD x	•	

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. 6642 Order No. R-6658

APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY FOR POOL CONTRACTION AND CREATION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on September 5, 1979, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 20th day of April, 1981, the Division Director, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS

That the applicant's request for dismissal should be granted.

IT IS THEREFORE ORDERED:

That Case No. 6642 is hereby dismissed.

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

> STATE OF MEW MEXICO TOLL CONSERVATION—QIVISION

JOE D. RAMEY Director

S E A L

Dockets Nos. 36-79 and 37-79 are tentatively set for September 19 and October 3, 1979. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 5, 1979

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

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

CASE 6640: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Miles Production Company, National Surety Corporation, and all other interested parties to appear and show cause why the Thomas Drought Well No. 1 located in Unit A of Section 4, Township 15 North, Range 6 West, McKinley County, New Mexico, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6641: Application of Yates Petroleum Corporation for a unit agreement, Chaves County, New Mexico.

Applicant, in the above-styled cause, seeks approval for the Willow Creek Unit Area, comprising 25,881 acres, more or less, of State, federal, and fee lands in Townships 4 and 5 South, Range 25 East.

Application of Bass Enterprises Production Company for pool contraction and creation, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the Indian Flats-Morrow Gas Pool by the deletion of the S/2 of Section 25, Township 21 South, Range 28 East, and the creation of a new Morrow gas pool comprising said lands for its Big Eddy Unit Well No. 66 in Unit K of said Section 25.

CASE 6635: (Continued from August 22, 1979, Examiner Hearing)

CASE 6642:

Application of Exxon Corporation for an unorthodox well location and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the simultaneous dedication of the W/2 of Section 31, Township 20 South, Range 37 East, Eumont Pool, to its Aggies State Well No. 4 located in Unit F, and to its Well No. 13, at an unorthodox location 660 feet from the South line and 1650 feet from the West line, both in said Section 31.

CASE 6636: (Continued from August 22, 1979, Examiner Hearing)

Application of Exxon Corporation for an unorthodox well location and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the simultaneous dedication of all of Section 23, Township 21 South, Range 36 East, Eumont Pool, to its New Mexico "G" State Well No. 5 located in Unit E, and to its Well No. 20, at an unorthodox location in Unit M, born in said Section 23.

CASE 6637: (Continued from August 22, 1979, Examiner Hearing)

Application of Exxon Corporation for an unorthodox well location and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the simultaneous dedication of the E/2 of Section 10, Township 21 South, Range 36 East, Eumont Pool, to its Knox Well No. 1 located in Unit J, and to its Well No. 13, at an unorthodox location 1650 feet from the North line and 990 feet from the East line, both in said Section 10.

CACE 6643: Application of BTA 0il Producers for the amendment of Order No. R-5905, Lea County, New Mexico.

Applicant, in the above-styled cause, seeks the amendment of Order No. R-5905 to provide that the N/2 of Section 27, Township 25 South, Range 33 East, be dedicated to its 7611 JV-P Rojo Well No. 1 rather than the W/2.

CASE 6655: Application of BTA Oil Producers for an unorthodox well location, Lea County, New Mexico.

Applicant, in the above-styled cause, seeks approval for the unorthodox location of its 7311 JV-P

Rojo "B" Well No. 1, a Devonian test to be located 660 feet from the South line and 1980 feet from
the East line of Section 28, Township 25 South, Range 33 East, the E/2 of said Section 28 to be
dedicated to the well.

CASE 6644: Application of Tenneco Oil Corporation for downhole commingling, San Juan County, New Mexico.
Applicant, in the above-styled cause, seeks approval for the downhole commingling of Fruitland and Pictured Cliffs production in the wellbores of its State K Com Well No. 12 located in Unit E of Section 16, Township 30 North, Range 9 West, and its Florence Well No. 60R in Unit I. of Section 1, Township 29 North, Range 9 West.

DIVISION PRODUCTION OFFICE P. O. BOX 2760 MIDLAND, TEXAS 79702

OIL CONSERVATION DIVISION
SANTA FE

April 10, 1981

800 YAUGHN BUILDING (915) 684-5723

Re: Oil Conservation Division Case No. 6642 Limitation of Pool Rules and Simultaneous Pool Creation

Big Eddy Unit No. 66 Eddy County, New Mexico

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

Attention: Mr. Richard L. Stamets Technical Support Chief

Dear Mr. Stamets:

As you discussed with David Davis of this office on April 2, 1981, the subject case is still open. After reviewing our files, we believe it is no longer necessary to leave this case open. Bass Enterprises Production Company's application under the Natural Gas Policy Act for Section 102 gas has been approved.

We appreciate your handling of this case and cllowing the record to remain open until the federal approval was received.

Yours very truly,

J. E. Pullig

Division Manager

JEP:DLD/jj

cc: Conrad Coffield - Hinkle, Cox, Eaton, Coffield, and Hensley (Midland) Jim Deacon

Memo

Grom

To Florence

R. L. STAMETS
Technical
Support Chief

Put this in your hold file.

Holding till GS

Acts on Boss
application for Section

102 determination.

OIL CONSERVATION DIVISION SANTA FE

11

12

13

14

15

16

17

18

19

20

21

22

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT Oil Conservation Division State Land Office Building Santa Fe, New Mexico 5 September 1979

EXAMINER HEARING

IN THE MATTER OF: Application of Bass Enterprises

CASE Production Company for pool contraction) 6642 and creation, Eddy County, New Mexico.

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

APPEARANCES

For the Oil Conservation Division:

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

For the Applicant:

Conrad E. Coffield, Esq. HINKLE LAW FIRM P. O. Box 3580 Midland, Texas

23

24

INDEX

•

DAVID DAVIS

Direct Examination by Mr. Coffield

Cross Examination by Mr. Stamets 12

EXHIBITS

Applicant Exhibit One, Plat 4

Applicant Exhibit Two, Structure Map 7

Applicant Exhibit Three, Pressure Analysis 9

Applicant Exhibit Four, Cross Section 10

SALLY WALTON BOY ENTIFED SHORTHAND REPOR 22 Place Blance (605) 471-2 Sonte Fe, New Mexico 471-3 SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
1010Plaza Bladon (605) 471-3462
Sania Fo, New Moxdoo 87501

1

2

3

5

6

7

8

10

11

12

13

14

าร์

16

:7

18

19

20

21

22

23

24

25

MR. STAMETS: We'll call next Case Number 6642.

MR. PADILLA: Application of Bass Enterrises Production Company for pool contraction and creation in Eddy County, New Mexico.

MR. COFFIELD: Conrad Coffield with the Hinkle Law Firm of Midland, Texas, appearing on behalf of the applicant, Bass Enterprises Production Company, and I have one witness.

(Witness sworn.)

DAVID DAVIS

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

DIRECT EXAMINATION

BY MR. COFFIELD:

Mr. Davis, would you state your name and your address, your present occupation, and your employer, please?

A. My name is David Davis. I'm in Midland,
Texas. I work for Bass Enterprises Production Company in
the capacity of Production Engineer.

Mr. Davis, have you previously testified

7

8

9

10

11

12

13

14

15

17

19

20

21

22

23

24

25

before the Oil Conservation Division as a production engineer?

A. No, sir.

Q Would you please, then, state a resume of your educational background and experience as a production engineer?

A. I attended Baylor University for one semester and transferred to Texas Tech University and graduated with a Bachelor of Science degree in petroleum and chemical engineering.

I went to work for Chevron in Midland,

Texas, for approximately two years; then went to work for

Bass Enterprises fourteen months ago and have been there in

Midland ever since.

Q. What have you been doing for Bass?

A. I have been in the capacity of Production Engineer all the time.

Q Working where?

In the Permian Basin, southeast New Mexico area.

Q. Mr. Davis, are you familiar with the application of Bass Enterprises Production Company in this case?

A. Yes, 1 am.

Q And further, are you familiar with the property and the well location involved here?

A. Yes.

MR. COFFIELD: Mr. Examiner, is the witness considered qualified?

MR. STAMETS: Mr. Davis, what was the date of your degree from Texas Tech?

A. 1976.

MR. STAMETS: Yes, the witness is considered qualified.

Q (Mr. Coffield continuing.) Mr. Davis, what is it that Bass Enterprises Production Company seeks in this particular application?

A. Bass seeks a horizontal limitation of the existing Indian Flats-Morrow Gas Pool such that the south 1/2 of Section 25, Township 21 South, Range 28 East, is excluded from the existing pool. We also ask that a new pool be created for the production of gas from the Morrow formation and that this pool be designated as the Northeast Indian Flats Pool, and this would encompass the stated area.

Q All right, Mr. Davis, would you refer to what we've marked as Exhibit One and explain that to the Examiner?

A. Exhibit One is a surface map of a portion of Eddy County, New Mexico, and on this map I have shown several wells that I feel are important to this case.

The proposed or subject well is the Big

SALLY WALTON BOY SETTIFED SHORTHAND REPORT 320Plear Bhade (685) 471-24 Secta Fo., New Moxico 8750

Eddy Unit No. 66, which is located in Section 25, Township 21 South, Range 28 East. It is identified by a red color.

There are several other wells that I feel are important to this case. 3.8 miles to the west of the Big Eddy Unit 66 is the Bass Morrow Gas Field. This has two producting wells, the Big Eddy Unit No. 39 and Big Eddy Unit No. 54.

The next well is the Bass Big Eddy Unit No. 32, which is located in Section 15 of the same township. It is 2.9 miles northwest of the Big Eddy Unit No. 66, and this was an unsuccessful Morrow gas test.

The PanAmerican Big Eddy Unit No. 16 is located in Section 18, Township 21 South, Range 29 East.

This was 2.3 miles north/northeast of the Big Eddy 66. It was also an unsuccessful test of the Morrow.

Located two miles to the east/southeast of the 66 Well in Section 32, Township 21 South, Range 29 East, is the Bass Big Eddy Unit No. 42. This well was also an unsuccessful test to the Morrow formation.

In Section 36, Township 21 South, Range 28 East, is the Shell Big Eddy Unit No. 1. This well was also an unsuccessful Morrow test.

Moving to Section 35 is the Bass Big Eddy Unit No. 41, and this well was in the Indian Flats-Morrow Pool. It has since been abandoned and plugged back to the

Morrow formation. It is now producing in the Indian Flats-Atoka Pool. This well is 1.3 miles southwest of the Big Eddy 66. It was completed in October 31st of 1975 from perforations 12,414 feet to 12,476 feet.

This is the interval that Bass designates as the Lower Morrow formation. This well produced a total of 112,444,000 cubuc feet before being abandoned.

This well had no original bottom hole pressure measurement taken due to the large volumes of water that were produced by the well and initially the well was completed for less than a million cubic feet a day with on the order of 35 barrels of water a day, which we thought was -- it would be dangerous to shut the well in with that much water, so it was never measured; however, I have done some volumetric calculations on this well based on some average values that we have for the Morrow, and with this assumption in mind, 112,000,000 cubic feet, using the known data from log calculations, it would be a very small reservoir around this well, on the order of 10 acres, so we feel that this is a -- was a very limited reservoir when we abandoned it.

- Q. Anything else on this exhibit?
- A. That's all that I think is important.
- Q Well, let's go on to Exhibit Two, Mr. Davis, and explain that to the Examiner.

SALLY WALTON BOYD CERTHED SHORTHAND REPORTER 3010 Plaza, Blanca, (5.15) 471-746 Santa Fo, New Mexico, 37501

10

11

12

13

14

15

16

17

20

21

22

23

24

A. Exhibit Number Two is the same base map, which is -- shows a structure map of the Lower Morrow in the area and we present this only --

MR. STAMETS: Before we go on, let me ask a question.

You have the Indian Flats-Morrow Gas Field noted across the bottom of Township 21 South, 28 East. What are the limits of the Indian Flats-Morrow Gas Pool?

A. Well, the only well that ever produced in that was the Big Eddy 41 in Section 35.

MR. STAMETS: Okay, so --

A. It's really to the west of --

MR. STAMETS: -- at the present time there are two producing wells or at least wells that did produce out of the Indian Flats-Morrow Gas Pool?

A. Well, the Big Eddy 66 has been placed by the Conservation Division in the Indian Flats-Morrow Pool. The only other well to produce is the 41. Everything else was drilled and abandoned.

MR. STAMETS: Would it be inappropriate for me to ask at this time why you want the 66 Well out of the Indian Flats-Morrow?

A. I believe I will show that in a later exhibit, if you can --

MR, STAMETS; I can stand to wait.

2

7

10 11

12

13

14

15

16

17 18

19

20 21

22

24

25

Exhibit Two is a structure map on the Lower Morrow formation and we present this merely as just information only and feel that it has very little impact on the outcome of this case; however, it's interesting to note that there is a low that noses up through Section 36, 25, such that Big Eddy 66 is slightly lower in the Lower Morrow formation than the Big Eddy 41 in Section 35.

Let's go on to Exhibit Three, Mr. Davis, and explain that, please.

Exhibit Three is a compilation of pressure buildup analysis that was performed on the Big Eddy Unit No. 66 and following a 4-point test on the well in April 6, 1979, the well was shutin for a pressure buildup.

And the results of this pressure buildup indicated a final shutin pressure of 5177 psig and when we extrapolated that to an average reservoir pressure we found a final pressure of 5187 psig.

This pressure is what we would expect to be normal gradient for the Morrow formation in this portion of Eddy County, New Mexico. This is in line with all the other wells we've had buildup tests performed on in the Morrow. So there's nothing unusual about that. It does indicate to us that this is virgin reservoir pressure, that this pool has never been produced by any other wells.

SALLY WALTON BOY CERTIFED SHORTHAND REPORT 1020Plaza Blanca (1615) 471-3. Santa Fe, New Mexico 8716 A Let's go to Exhibit Four and discuss that exhibit, please.

A. Exhibit Four is a cross section A-A',

A being Big Eddy 66, the middle well being Big Eddy Unit

No. 1, and A' being the Bass Big Eddy Unit No. 41.

The cross section is hung on the datum of the top of the Lower Morrow, and if you will notice, I've noted in yellow a shale marker that we call the top of the Lower Morrow, which is continuous across this area of the -- of Eddy County, New Mexico.

Above this is the top of the Middle Morrow, which is also identified by a shale marker which I have also identified in yellow.

If you will look at the Big Eddy Unit No.

41, I have shown the perforations and noted the intervals
that we're completed in. They are noted in red and these
are essentially in the top of the Lower Morrow formation.

If you'll look at the Big Eddy No. 66, we have completed one interval in the Morrow and these are essentially the middle of the Middle Morrow formation, and on a subsea basis there is a stratigraphic separation of approximately 190 feet between these two intervals of completion, so we therefore feel that this shows that this is a new reservoir, that there should be a new pool created for the Big Eddy 66 separate from the Indian Flats-Morrow

SALLY WALTON BOYD SETTIFIED SHORTHAND REPORTE 010 Plaza Blanca (601) 471-546 Santa Po, New Mexico 87501

Pool.

5

10

11

12

13

14

15

19

20

21

22

23

24

Do you have anything else on that exhibit?

A. No, I don't.

Okay, Mr. Davis, were these exhibits One through Four either prepared by you or under your supervision or were they compiled by you from files for which you have responsibility?

A. The geologic structure map I did not prepare, but I have reviewed it and I am familiar with this information and I concur with it.

The other exhibits I prepared or had prepared.

Now, Mr. Davis, in your opinion if this application is approved by the Division, would the approval of the application be in the interest of conservation, prevention of waste, and protection of correlative rights?

A. Yes.

MR. COFFIELD: Mr. Examiner, I move the admission of Exhibits One through Four.

MR. STAMETS: These exhibits will be admitted.

MR. COFFIELD: And I have no other questions of Mr. Davis on direct examination.

CROSS EXAMINATION

BY MR, STAMETS:

2

3

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Q. Mr. Davis, what does Bass Enterprises expect to derive as a benefit from the relief you've sought here?

A. Okay. We essentially are doing this for the new Federal Natural Gas Policy Act, and this is an instance in which we feel like we need to have a new onshore reservoir. We need to classify this as a new pool to get our application for approval for this to be a separate reservoir, and this is why we are approaching this matter.

Q. Is Bass Enterprises aware that the Division has approved applications for C-102 -- no, excuse me, let's go back.

Are you aware that the Division has approved applications for Section 102 determinations for new reservoirs within the boundaries of existing pools, such as you have described here?

A No, sir, I am not.

Q If you had been aware of that, would it have made a difference in whether you applied for this or just simply filed for a --

A. It would not have made a difference in our operation of the subject well because it does not affect allowables. This is the first instance where we've had a

SALLY WALTON BO CENTIFED SHORTHAND REPORT 1013 Plane Blanca (106) 471-3 Santa Fo, New Mexico 875

SALLY WALTON BOY CERTIFIED SHORTHAND REPORT 1010Plaza Banca (165) 471-3 Santa Fe, New Mexico 875

2

10

11

12

13

14

15

16

17

18

19

ŽÛ

21

22

23

reason. I would say it would not have affected.

Q. Mr. Davis, have you looked at enough Morrow wells in Eddy County to know that this is a not uncommon situation?

A Could you -- I don't understand what you are asking.

Q. Okay.

A. I would say, if you're asking do you normally find the Morrow to have virgin pressure, I'd say yes, we essentially, every time we drill a Morrow well we do find virgin pressure.

Q Do you think the Division, as a matter of practicality, could create a new Morrow gas pool every time conditions such as you've described are encountered?

A. Well, that I don't know.

Q. How many Morrow gas wells are there in Eddy County?

A. There are quite a few.

You'll have to give me an estimate.

A. I wouldn't even want to guess.

Q. How many are there on your map?

A Probably on the order of 100.

Q Do you think it's practical to have 100 Morrow gas pools in an area this large?

A. I would say, no, I don't -- yes, I don't

WALTON BOYD
SHORTHAND REPORTER
1. Binca (606) 471-2462
6. New Mexico 87101

know.

ŝ

10

11

12

13

14

15

17

20

21

22

23

24

Q. Let's go off the record.

(There followed a discussion off

the record.)

MR. STAMETS: Are there any further questions of the witness? He may be excused.

Anything further in this case?

The case will be taken under advisement.

(Hearing concluded.)

REPORTER'S CERTIFICATE

I, SALLY W. BOYD, a court reporter, DO HEREBY

CERTIFY that the foregoing and attached Transcript of

Hearing before the Oil Conservation Division was reported

by me; that the said transcript is a full, true, and correct

record of the hearing, prepared by me to the best of my

ability, from my notes taken at the time of the hearing.

Sally W. Boyd, C.S.R.

I do here y carry that the foregoing is a complete restore of the proceedings in the Examiner hearing of Case No. 6643 heard by me on 19 72 heard by me on Examiner Oli Conservation Division

ALLY WALTON BOY
RTFIFD SHORTHAND REPORT
10 Plying Blance (1015) 1711-9

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT - 011 Conservation Division State Land Office Building Santa Pe, New Mexico 5 September 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Bass Enterprises Production Company for pool contraction) and creation, Eddy County, New Mexico.)

CASE 6642

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

APPEARANCES

For the Oil Conservation Division:

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

For the Applicant:

Conrad E. Coffield, Esq. HINKLE LAW FIRM P. O. Box 3580 Midland, Texas

11

12

13

15

16

17

18

19

20

21

22

23

INDEX

_

DAVID DAVIS

Direct Examination by Mr. Coffield 3

Cross Examination by Mr. Stamets 12

EXHIBITS

Applicant Exhibit One, Plat

Applicant Exhibit Two, Structure Map

7

Applicant Exhibit Three, Pressure Analysis

9

Applicant Exhibit Four, Cross Section

10

MR. STAMETS: We'll call next Case Number

6642.

3

7

8

11

12

13

14

15

16

17

10

19

20

21

22

23

24

MR. PADILLA: Application of Bass Enterprises Production Company for pool contraction and creation in Eddy County, New Mexico.

MR. COFFIELD: Conrad Coffield with the Hinkle Law Firm of Midland, Texas, appearing on behalf of the applicant, Bass Enterprises Production Company, and I have one witness.

(Witness sworn.)

DAVID DAVIS

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

DIRECT EXAMINATION

BY MR. COFFIELD:

Q. Mr. Davis, would you state your name and your address, your present occupation, and your employer, please?

A. My name is David Davis. I'm in Midland,
Texas. I work for Bass Enterprises Production Company in
the capacity of Production Engineer.

Mr. Davis, have you previously testified

SALLY WALTON BOYE CERTIFIED SHORTHAND REPORTE 3020Plara Blanca (535) 471-246 Santa Fe, New Mexico 57501

2

10

11

13

14

15

16

17

18

19

20

21

22

24

before the Oil Conservation Division as a production engineer?

A. No, sir.

Q Would you please, then, state a resume of your educational background and experience as a production engineer?

A. I attended Baylor University for one semester and transferred to Texas Tech University and graduated with a Bachelor of Science degree in petroleum and chemical engineering.

I went to work for Chevron in Midland,

Texas, for approximately two years; then went to work for

Bass Enterprises fourteen months ago and have been there in

Midland ever since.

Q What have you been doing for Bass?

A. I have been in the capacity of Production Engineer all the time.

Q Working where?

A. In the Permian Basin, southeast New Mexico area.

Mr. Davis, are you familiar with the application of Bass Enterprises Production Company in this case?

A. Yes, I am.

Q And further, are you familiar with the property and the well location involved here?

5

8

9

10

11

12 13

14

15

16

17 18

19

20

21

22

23

24

λ. Yes.

MR. COFFIELD: Mr. Examiner, is the witness considered qualified?

MR. STAMETS: Mr. Davis, what was the date of your degree from Texas Tech?

1976.

MR. STAMETS: Yes, the witness is considered qualified.

(Mr. Coffield continuing.) Mr. Davis, what is it that Bass Enterprises Production Company seeks in this particular application?

Bass seeks a horizontal limitation of the existing Indian Flats-Morrow Gas Pool such that the south 1/2 of Section 25, Township 21 South, Range 28 East, is excluded from the existing pool. We also ask that a new pool be created for the production of gas from the Morrow formation and that this pool be designated as the Northeast Indian Flats Pool, and this would encompass the stated area.

All right, Mr Davis, would you refer to what we've marked as Exhibit One and explain that to the Examiner?

Exhibit One is a surface map of a portion of Eddy County, New Mexico, and on this map I have shown several wells that I feel are important to this case.

The proposed or subject well is the Big

ŹŨ

Eddy Unit No. 66, which is located in Section 25, Township 21 South, Range 28 East. It is identified by a red color.

There are several other wells that I feel are important to this case. 3.8 miles to the west of the Eddy Unit 66 is the Bass Morrow Gas Field. This has two producting wells, the Big Eddy Unit No. 39 and Big Eddy Unit No. 54.

The next well is the Bass Big Eddy Unit
No. 32, which is located in Section 15 of the same township.
It is 2.9 miles northwest of the Big Eddy Unit No. 66, and
this was an unsuccessful Morrow gas test.

The PanAmerican Big Eddy Unit No. 16 is located in Section 18, Township 21 South, Range 29 East.

This was 2.3 miles north/northeast of the Big Eddy 66. It was also an unsuccessful test of the Morrow.

Located two miles to the east/southeast of the 66 Well in Section 32, Township 21 South, Range 29 East, is the Bass Big Eddy Unit No. 42. This well was also an unsuccessful test to the Morrow formation.

In Section 36, Township 21 South, Range 28 East, is the Shell Big Eddy Unit No. 1. This well was also an unsuccessful Morrow test.

Moving to Section 35 is the Bass Big Eddy Unit No. 41, and this well was in the Indian Flats-Morrow Pool. It has since been abandoned and plugged back to the

SALLY WALTON BOY CERTIFIED SHORTHAND REPORT 8038 Plata Blaces (665) 471-5 Banta Fe, New Mexico 875: 2û

Morrow formation. It is now producing in the Indian Flats-Atoka Pool. This well is 1.3 miles southwest of the Big. Eddy 66. It was completed in October 31st of 1975 from perforations 12,414 feet to 12,476 feet.

This is the interval that Bass designates as the Lower Morrow formation. This well produced a total of 112,444,000 cubuc feet before being abandoned.

This well had no original bottom hole pressure measurement taken due to the large volumes of water that were produced by the well and initially the well was completed for less than a million cubic feet a day with on the order of 35 berrels of water a day, which we thought was — it would be dangerous to shut the well in with that much water, so it was never measured; however, I have done some volumetric calculations on this well based on some average values that we have for the Morrow, and with this assumption in mind, 112,000,000 cubic feet, using the known data from log calculations, it would be a very small reservoir around this well, on the order of 10 acres, so we feel that this is a — was a very limited reservoir when we abandoned it.

- AAything else on this exhibit?
- A. That's all that I think is important.
- Q. Well, let's go on to Exhibit Two, Mr. Davis, and explain that to the Examiner.

SALLY WALTON BOY CENTIFED SHORTHAND REPORT 3018 Plaza Blanca (665) 411-34 State Fe, New Mexico 1750

10

11

12

13

14

15

16

17

19

19

20

21

22

23

24

25

A Exhibit Number Two is the same base map,
which is -- shows a structure map of the Lower Morrow in the
area and we present this only ---

MR. STAMETS: Before we go on, let me ask a question.

You have the Indian Flats-Morrow Gas
Field noted across the bottom of Township 21 South, 28 East.
What are the limits of the Indian Flats-Morrow Gas Pool?

A. Well, the only well that ever produced in that was the Big Eddy 41 in Section 35.

MR. STAMETS: Okay, so --

A It's really to the west of --

MR. STAMETS: -- at the present time there are two producing wells or at least wells that did produce out of the Indian Flats-Morrow Gas Pocl?

A. Well, the Big Eddy 66 has been placed by the Conservation Division in the Indian Flats-Morrow Pool. The only other well to produce is the 41. Everything else was drilled and abandoned.

MR. STAMETS: Would it be inappropriate for me to ask at this time why you want the 66 Well out of the Indian Flats-Morrow?

A I believe I will show that in a later exhibit, if you can --

MR. STAMETS; I can stand to wait.

2

5

10

11

12 13

14 15

16 17

18

19 20

21 22

23 24

25

Exhibit Two is a structure map on the Lower Morrow formation and we present this merely as just information only and feel that it has very little impact on the outcome of this case; however, it's interesting to note that there is a low that noses up through Section 36, 25, such that Big Eddy 66 is slightly lower in the Lower Morrow formation than the Big Eddy 41 in Section 35.

Let's go on to Exhibit Three, Mr. Davis, and explain that, please.

Exhibit Three is a compilation of pressure A, buildup analysis that was performed on the Big Eddy Unit No. 66 and following a 4-point test on the well in April 6, 1979, the well was shutin for a pressure buildup.

And the results of this pressure buildup indicated a final shutin pressure of 5177 psig and when we extrapolated that to an average reservoir pressure we found a final pressure of 5187 psig.

This pressure is what the would expect to be normal gradient for the Morrow formation in this portion of Eddy County, New Mexico. This is in line with all the other wells we've had buildup tests performed on in the Morrow. So there's nothing unusual about that. It does indicate to us that this is virgin reservoir pressure, that this pool has never been produced by any other wells.

SALLY WALTON BO CERTIFIED SHORTHAND REPOR 3020 Plaza Blanca (603) 471-5 Santa Fe, New Mexico 873 Q Let's go to Exhibit Four and discuss that exhibit, please.

A Exhibit Four is a cross section A-A',
A being Big Eddy 66, the middle well being Big Eddy Unit
No. 1, and A' being the Bass Big Eddy Unit No. 41.

The cross section is hung on the datum of the top of the Lower Morrow, and if you will notice, I've noted in yellow a shake marker that we call the top of the Lower Morrow, which is continuous across this area of the -- of Eddy County, New Mexico.

Above this is the top of the Middle Morrow, which is also identified by a shale marker which I have also identified in yellow.

If you will look at the Big Eddy Unit No.

41, I have shown the perforations and noted the intervals
that we're completed in. They are noted in red and these
are essentially in the top of the Lower Morrow formation.

If you'll look at the Big Eddy No. 66, we have completed one interval in the Morrow and these are essentially the middle of the Middle Morrow formation, and on a subsea basis there is a stratigraphic separation of approximately 190 feet between these two intervals of completion, so we therefore feel that this shows that this is a new reservoir, that there should be a new pool created for the Big Eddy 66 separate from the Indian Flats-Morrow

SALLY WALTON BOY CERTIFIED SHOWTHAND REPORT 1018 Plaza Blanca (1915) 471-24 Janua Fe, New Mexico 1750

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Pool.

A Do you have anything else on that exhibit?

Q Okay, Mr. Davis, were these exhibits One through Four either prepared by you or under your supervision or were they compiled by you from files for which you have responsibility?

A The geologic structure map I did not prepare, but I have reviewed it and I am familiar with this information and I concur with it.

The other exhibits I prepared or had prepared.

Now, Mr. Davis, in your opinion if this application is approved by the Division, would the approval of the application be in the interest of conservation, prevention of waste, and protection of correlative rights?

. Yes.

MR. COFFIELD: Mr. Examiner, I move the admission of Exhibits One through Four.

MR. STAMETS: These exhibits will be admitted.

MR. COFFIELD: And I have no other questions of Mr. Davis on direct examination.

CROSS EXAMINATION

BY MR. STAMETS:

ŹŨ

O Mr Davis, what does hass Enterprises expect to derive as a benefit from the relief you've sought here?

A Okay. We essentially are doing this for the new Federal Natural Gas Policy Act, and this is an instance in which we feel like we need to have a new onshore reservoir. We need to classify this as a new pool to get cur application for approval for this to be a separate reservoir, and this is why we are approaching this matter.

Q. Is Bass Enterprises aware that the Division has approved applications for C-102 -- no, excuse me, let's go back.

Are you aware that the Division has approved applications for Section 102 determinations for new reservoirs within the boundaries of existing pools, such as you have described here?

A. No, sir, I am not.

Q If you had been awars of that, would it have made a difference in whether you applied for this or just simply filed for a --

A. It would not have made a difference in our operation of the subject well because it does not affect allowables. This is the first instance where we've had a

SALLY WALTON BOY
SENTIFED SHORTHAND REPORT
020Flaza Blanca (606) 471-5
Santa Fr. New Mexico 876

SALLY WALTON BOY!
SERTIFIED SHORTHAND REPORTS
0.10 Place Bance (665) 471 24
Santa Fe, New Mexico 5716)

11

12

13

15

16

17

18

19

ŽÙ

21

22

23

25

reason. I would say it would not have affected.

Q Mr. Davis, have you looked at enough Morrow wells in Eddy County to know that this is a not uncommon situation?

A Could you -- I don't understand what you are asking.

Q Okay.

A I would say, if you're asking do you normally find the Morrow to have virgin pressure, I'd say yes, we essentially, every time we drill a Morrow well we do find virgin pressure.

Q Do you think the Division, as a matter of practicality, could create a new Morrow gas pool every time conditions such as you've described are encountered?

A. Well, that I don't know.

Q. How many Morrow gas wells are there in Eddy County?

A. There are quite a few.

You'll have to give me an estimate.

A. I wouldn't even want to guess.

0 How many are there on your map?

A. Probably on the order of 100.

Q. Do you think it's practical to have 100 Morrow gas pools in an area this large?

A. I would say, no, I don't -- yes, I don't

know.

Let's go off the record.

(There followed a discussion off

the record.)

MR. STAMETS: Are there any further ques-

tions of the witness? He may be excused.

Anything further in this case?

The case will be taken under advisement.

(Hearing concluded.)

REPORTER'S CERTIFICATE

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

Sally W. Boyd, C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. heard by nie on___ Examiner Oll Conservation Division

2

3

5

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

Tulked to Convad Coffield

Subsequent to Trearing. He as he dwe

deloy action on this application

pending USGS action on 102

application.

No OCD reason to not classify

in same pool. It is a

New reservoir but not produced

to name new pool each time

1700 Renus reservoir found

RLS 9-12-79

See 23, how no MSP ander on it is a shoulded 640 De. granteen So. Ann.

But new well how been agained administratively as to marcholax location:

Dem. Order NSL-1040 Date 6/4/79.

E 2 See 10 - 215-36 E

Corder No. NSP-77A dated 1-24-55, approved the 320 acre NSP Unit

W2 See 31 - 205-37

Order No. NSP-99, dated 3-2-55 approved the 320 acre NSP Unit.

INTER-OFFICE COMMUNICATION

DATE May 9, 1979

MTC	LAND (UEEIL	`C
MIL	/LANU 1	リトトメリ	, E

Files

TO:

FOR: MR.

rmom. Mir	. U. L. DEVIS		
RE:	Big Eddy Unit No. 66 Pressure Buildup Ana File: 400-WF		und to
for the M	data, following a 4 poi forrow formation in the was 636 MCF on 6/64" ck PARD program:	subject well. The	5, 1979, has been analyzed e average daily rate for results were calculated
Comp	meability (mds) pletion Efficiency (%) (psig) lient, psi/ft	.83 29.7 5187.0 0.4226	
The	following data were use	d in the analysis	:
Net	osity (%) Pay (ft) al Production (MCF)	6 10 318	
below our reservoir	above results show low rassumed normal Morrow r. Δp vs Δt curve sholtion zone).	gradient, which c	
		<u> </u>	Decres I Payls
DLD:gp cc. J.E.G	ireve		L. 54715
		•	BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION EXHIBIT NO. 3

CASE NO. 6642

Submitted by Bass

Hearing Date 9-5-79

CORRECTED PRESSURE (PSI)

END-DF-JOB READY.

RUILD-UP ANALYSIS PRESSURE

POINT: USED			K (MDS)	P.I. M×D×PSI		SIBHP PSIG	AVG. P PSIG
1- 2	25.	436.4	0.50	0.55	222.3	1694.	2494.
2- 4	30.	786.4	0.25	0.34	237.2	1927.	3133.
4- 6	34.	1343.0	0.13	0.23	261.0	2156.	3990.
6- 8 ⁻	36.	1713.3	0.10	0.19	272.4	2360.	4499.
8-10	38.	2456.3	0.07	0.15	291.4	2594.	5425.
10-11	42.	2975.0	0.05	0.13	308.3	3065.	6030.
11-13	48.	4376.4	0.04	0.10	340.3	3917.	7421.
13-15	5 3.	5269.6	0.03	0.09	362.1	4549.	8149.
15-18	60.	3044.4	0.05	0.11	282.3	4909.	6640.
18-21	79.	1045.2	0.15	0.14	135.1	5055.	5507.
21-23	163.	441.9	0.35	0.15	65.4	5145.	5242.
53-29	512.	186.1	0.83	0.16		5175.	
POINT	PRESSURE	CORRECTE		(T+DT) /		RECTED OT) /DT@@	
		.	8p.				
1	1564.	1564.			000		
2	1694.	1694.	64.0 0.20			68.155	
3. 4	1821.		1440 0.30 2360 0.40			45.758 34.559	
7 5	1727. 204 4.	1927.				27.840	
ာ ဗိ	2156.	2044. 2156.				23.361	
7	2262.	2262.	511.0 0.60 674.0 0.70			20.162	
8	2360.	2360.				17.762	
9	2467.		1.05 x106 0.90			15.896	
10	2584.	2584.				14.403	
11	3065.	3065.		•		9.925	
12	3534.	3534.			900	7.687	
13	3917.	3917.	6.13 2.50			6, 345	
14	4279.		8.05 3.00			5.450	
15	4549.	4549,	9.66 3.50			4.811	
16	4720.	4720.	10.8 4.00			4.333	
17	4832.	4832.	11.5 4.50			3.960	
18	4909.	4909.	(2.0 5, 00			3.663	
19	4990.	4990.	12.6 6.00			3.216	
20	5028.	5028.	12.9 7.00			2.898 3.4 5 0	
21 22	5055. 5076	5055. 5029	$\frac{13.1}{4.2}$ $\frac{8.00}{10.00}$			2.659 2.325	•
22	5079. 5145.	5079. 5145.	13.2 10.00		200 500	1.660	
23 24	5158.	5145. 5158.			,00 ∤00	1.439	
25	5165.		13.8 30.00 13.9 40.00		,00 300	1.389	
26 26	5167.	5167.	13.9 50.00		900 240	1.263	
27	5170.	5170.	13.4 60.00		200	1.219	
28	5172.	5172.	13.9 70.00			1.188	
29	5175.	5175.	13,4 80.00		50	1.164	

ଡ CORRECTED FOR AFTERFLOW ଡଡ଼ CORRECTED FOR SUPERPOSITION

INTER-OFFICE COMMUNICATION

MIDLAND OFFICE

DATE May 9, 1979

TO:

Files

FOR: MR.

FROM: MR.

D. L. Davis

RE:

Big Eddy Unit No. 66 Pressure Buildup Analysis

File: 400-WF

BHP data, following a 4 point test on April 6, 1979, has been analyzed for the Morrow formation in the subject well. The average daily rate for the well was 636 MCF on 6/64" ck. The following results were calculated using the PARD program:

Permeability (mds)	. 83
Completion Efficiency (%)	29.7
p* (psig)	5187.0
gradient, psi/ft	0.4226

The following data were used in the analysis:

Porosity (%)		6
Net Pay (ft)		10
Total Production	(MCF)	318

The above results show low permeability. The gradient is slightly below our assumed normal Morrow gradient, which could indicate a limited reservoir. Δp vs Δt curve shows no obvious fracturing (possibly hidden in transition zone).

D. L. Davis

DLD:gp

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 3

CASE NO. 6642

Submitted by Bass

Hearing Date 9-5-79

MORROW GAS EDDY CO, N.M. CORPECTED PRESSURE (PSI)
1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 X---I---I---I---I 10++ 3: 0 RRE C T E I 1.0X----I----I----I----I----I-----I-----X 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 CORRECTED PRESSURE (PSI) 1. END-OF-JOS READY.

PRESSURE BUILD-UP ANALYSIS

POINTS	RADIUS FELT,FT	SLOPE PSI/CYC	K (MDS)	P.I. M/D/PSI	COMPL. EFF., %	SIBHP PSIG	AVG. P PS16
1- 8	25.	436.4	0.50	0.55	222.3	1694.	2494.
2- 4	30,	786.4	0.25	0.34	237.2	1927.	3133.
4- 6	34.	1343.0	0.13	0.23	261.0	2156.	3990.
6± 81	36.	1713.3	0.10	0.19	272.4	2360.	4499.
8-10	38.	2456.3	0.07	0.15	291.4	2584.	5425.
10-11	42.	2975.0	0.05	0.13	308.3	3065.	6030.
11-13	48.	4376.4	0.04	0.10	340.3	3917.	7421.
13-15	53.	5269.6	0.03	0.09	362.1	4549.	8149.
15-18	60.	3044.4	0.05	0.11	282.3	4969.	6640.
18-21	79.	1045.2	0.15	0.14	135.1	5055.	5507.
21-23	163.	441.9	0.35	0.15	65.4	5145.	5242.
53-59	512.	186.1	0.83	0.16	29.7	5175.	5187.
POINT	PRESSURE	CORRECTE	a (Hours)) (T+DT)	COR		
			Pbr				
1	1564.	1564.		0 121.0	000	135.349	
2	1694.	1694.	64.0 0.21	61.0)80 >>>	68.155	
3 4	1821. 1907.	1821.	236.0 0.4	0 41.0 0 31.0	յրս Դոո	45.758 34.559	
5				v 31. v 0 25. t	,,,,, ,,,,	27.840	
	2044.	2044.		U 23.0			
6	2156.		50.0 0.6			23.361	
7	2262.		674.0 0.71			20.162 17.762	
. 8	2360.		845.0 0.8				
9	2467.		1.05 x 10 6 0 9			15.896	
10	2584.	2584.				14.403	
11	3065.	3065,	2.64 1.5)00 	9.925	
12	3534.	3917.	4.38 2.0		000	7.687 6.345	
13	3917.						
14	4279.	4279.)))) 130	5.450	
15	4549.	4549.			\$29 300	4.811	
16	4720.		10.8 4.0)00 : 42	4.333	
17	4832.		11.5 4.5		667	3.960	
18	4909.	4909.			\$ 00	3.663	
19	4990.	4990.	12.6 6.0		000	3.216	
50	5028.	5028.			714	2.898	
21	5055.	5055.			500	2.659	
55	5079.	5079.	13.2 10.0		200	2.325	
53	5145.	5145.			500	1.660	
24		5158.			400 200	1.439	
25	5165.	5165.			300	1.329	
56	5167.	5167.			240 200	1.263	
27	5170.	5170.			200 - 21	1.219	
85	5172.	5172.			171	1.188	
29	5175.	5175.	13.4 80.0	0 1.3	150	1.164	

OCCUPATION OF SHEEPPOSITION

INTER-OFFICE COMMUNICATION

1.1	101		AF	F 1 AF
m	IUL	ANU.	ווט	FICE

DATE May 9, 1979

TO:

Files

FOR: MR.

FROM: MR.

D. L. Davis

RE:

Big Eddy Unit No. 66 Pressure Buildup Analysis

File: 400-WF

BHP data, following a 4 point test on April 6, 1979, has been analyzed for the Morrow formation in the Subject well. The average daily rate for the well was 636 MCF on 6/64" ck. The following results were calculated using the PARD program:

Permeability (mds)	. 83
Completion Efficiency (%)	29.7
p* (psig)	5187.0
gradient, psi/ft	0.4226

The following data were used in the analysis:

Porosity (%)		6
Net Pay (ft)		10
Total Production	(MCF)	318

The above results show low permeability. The gradient is slightly below our assumed normal Morrow gradient, which could indicate a limited reservoir. $\Delta \rho$ vs Δt curve shows no obvious fracturing (possibly hidden in transition zone).

D. L. Davis

DLD:gp cc. j.E.Greve

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 3

CASE NO. 6642

Submitted by Bass
Hearing Date 9-5-79

TDDY CO, N.M. CORRECTED PRESSURE (PSI)
1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500
X---I---I---I---I----I----X 0 1.0X----I----I----I----I----X $1500\ 2000\ 2500\ 3000\ 3500\ 4000\ 4500\ 5000\ 5500\ 6000\ 6500$ CORRECTED PRESSURE (PSI) 1 END-DF-JOB READY.

MORROW GAS

BUILD-UP ANALYSIS PRESSURE

POINTS USED	RADIUS FELT:FT	SLOPE PSI/CYC	K (MDS)	P.I. M/D/PSI		SIBHP PSIG	AVĞ. P PSIG
1- a	25.	436.4	0.50	0.55	222.3	1694.	2494.
<u>2-</u> 4		786.4	0.25	0.34	237.2	1927.	3133.
4- 6	34.	1343.0	0.13	0.23	261.0	2156.	3990.
6- 8.	36.	1713.3	0.10	0.19	272.4	2360.	4499.
8-10	38.	2456.3	0.07	0.15	291.4	2584.	5425.
10-11	42.	2975.0	0.05	0.13	308.3	3065.	6030.
11-13	48.	4376.4	8.04	0.10	340.3	3917.	7421.
13-15	53.	5269.6	0.03	0.09	362.1	4549.	8149.
15-18	60.	3044.4	0.05	0.11	282.3	4909.	6640.
18-21	79.	1045.2	0.15	0.14	135.1	5055.	5507.
21-23	163.	441.9	0.35	0.15	65.4	5145.	5242.
23-29	512.	186.1	0.33	0.16	29.7	5175.	5187.
POINT	PRESSURE	CORRECTEI PRESSUREA	-	(T+DT)/	COR	RECTED T) /DT DD	
		,	Pb.				
			15,1×10 ³ 0, 10			135.349	
_2 3	1694.	1694.	64.0 0.20	61.0	100	68.155	
3 4	1821. 1927.		0.30 236.6 0.40		iuu ioo	45.758 34.559	1.
5	2044.		236.0 0.40 364.0 0.50			27.840	
6	2156.		364.0 0.60			23.361	
7	2262.	2262.				20.162	
8	2360.		845.0 0.80			17.762	
9	2467.		105x106 0.90			15.896	
10	2584.		.31 1.00			14.403	
11	3065.	3065.			100	9.925	
12	3534.		1.38 2.00			7.687	
13	3917.	3917.				6.345	
14	4279.	4279. 8				5.450	
15	4549.	4549.	-			4.811	
16	4720.		0.6 4.00			4.333 3.960	
17 18	4832. 4909.		11.5 4.50 12.6 5.00			3.663	
19	4990.		12.6 6.00			3.216	
50	5028.		12.9 7.90			2.898	
21	5055.		9.00 ارزا			2.659	
55	5079.	5079.				2.325	
23	5145.	5145.				1.660	
24	5158.	5158.				1.439	
25	5165.	5165.				1.329	
26	5167.		(3.4 50.00			1.263	
27	5170.		13,4 60-00			1.219	
29 28	5172. 5175.		13.9 70.00 13.9 80.00			1.188 1.164	
*							

^{###} CORRECTED FOR AFTERFLOW FOR SUPERPOSITION

LAW OFFICES

HINKLE, COX, EATON, COFFIELD & HENSLEY

1000 FIRST NATIONAL BANK TOWER CLARENCE E. HINKLE

POST OFFICE BOX 3580

MIDLAND, TEXAS 79702

August 20, 1979

(915) 683-4691

ROSWELL, NEW MEXICO OFFICE 600 HINKLE BUILDING

W. E. BONDURANT, JR. (1914-1973)

OF COUNSEL

ONLY ATTYS. COFFIELD, MARTIN, BOZARTH.

(505) 622-8510

BOHAHNON, FOSTER, ALLEN, ALLEN & BURFORD LICENSED IN TEXAS

Mr. Dan Nutter Chief Engineer Oil Conservation Division Post Office Box 2088 Santa Fe, New Mexico 87501

JACQUELINE W ALLEY H. CONSERVATION DIVISION

SANTA FE

Bass Enterprises Production Re: Company Application for Creation of New Pool, Eddy County, New Mexico

Dear Dan:

LEWIS C. COX, JR.

PAUL W. EATON, JR.

CONRAD E.COFFIELD HAROLD L. HENSLEY, JR.

STUART D. SHANOR

JAMES H. BOZARTH

PAUL M. BOHANNON J. DOUGLAS FOSTER

K.DOUGLAS PERRIN

WILLIAM B. BURFORD

JOHN S. NELSON RICHARD E. OLSON

C.RAY ALLEN

DOUGLAS L.LUNSFORD

C.D. MARTIN PAUL J. KELLY, JR.

> In accordance with our recent telephone conversation, enclosed you will find a revised Application which I believe will be in accord with the manner in which you have proposed to advertise this case. I have drafted the Application in such a fashion as to request the limitation of the previously created Indian Flats Morrow Gas Pool with horizontal limits so that the St Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico is excluded. At the same time, the enclosed Application requests the creation of a new pool, being the Northeast Indian Flats Pool with horizontal limits embracing the identical S½ Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico.

Triplicate executed counterparts of this Application are enclosed, and I assume this is all that is needed in order to complete your file and have this properly set tor hearing with the cases to be heard on September 5. However, if anything in addition is needed, please call.

Very truly yours,

HINKLE, COX, EATON, COFFIELD & HENSLEY

Conrad E. Coffield

CEC:rh Enclosures

xc: Mr. J. E. Pullig Bass Enterprises Production Company
Post Office Box 2760
Midland, Texas 79702
xc: Mr. Jens Hansen
Bass Enterprises

Production Company

3100 Fort Worth Natl. Bank Fort Worth, Texas 76002

APPLICATION OF BASS)
ENTERPRISES PRODUCTION	, ,
COMPANY FOR LIMITATION)
OF POOL RULES AND POOL)
CREATION, EDDY COUNTY,)
NEW MEXICO	,

APPLICATION

Bass Enterprises Production Company hereby makes application for limitation of pool rules and pool creation in connection with certain Eddy County, New Mexico lands as follows:

- 1. Applicant seeks a horizontal limitation of the Indian Flats-Morrow Gas Fool such that S½ Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico is excluded therefrom.
- 2. In addition, Applicant seeks creation of a new gas pool in Eddy County, New Mexico for the production of gas from the Morrow formation with said pool to bear the designation of Northeast Indian Flats Pool. Said proposed Northeast Indian Flats Pool was discovered by the Big Eddy Unit Well No. 66 located in Unit K of Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico. It was completed April 6, 1979 in the Morrow formation.
- 3. The horizontal limits of the new pool should consist of the following described area:

Township 21 South, Range 28 East, N.M.P.M.

Section 25: S1/2

4. Matters urged by Applicant herein are in the interest of conservation, prevention of waste and protection of correlative rights.

5. Applicant requests that this matter be heard at the September 5, 1979 Examiner's hearing.

HINKLE, COX, EATON, COFFIELD & HENSLEY

Conrad E. Coffield
Post Office Box 3580
Midland, Texas 79702
Attorneys for Bass Enterprises
Production Company

APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY FOR LIMITATION OF POOL RULES AND POOL CREATION, EDDY COUNTY, NEW MEXICO

APPLICATION

Bass Enterprises Production Company hereby makes application for limitation of pool rules and pool creation in connection with certain Eddy County, New Mexico lands as follows:

- 1. Applicant seeks a horizontal limitation of the Indian Flats-Morrow Gas Pool such that S\2 Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico is excluded therefrom.
- 2. In addition, Applicant seeks creation of a new gas pool in Eddy County, New Mexico for the production of gas from the Morrow formation with said pool to bear the designation of Northeast Indian Flats Pool. Said proposed Northeast Indian Flats Pool was discovered by the Big Eddy Unit Well No. 66 located in Unit K of Section 25, Township 21 South, Rarge 28 East, N.M.P.M., Eddy County, New Mexico. It was completed April 6, 1979 in the Morrow formation.
- 3. The horizontal limits of the new pool should consist of the following described area:

Township 21 South, Range 28 East, N.M.P.M.

Section 25: Sk

4. Matters urged by Applicant herein are in the interest of conservation, prevention of waste and protection of correlative rights.

5. Applicant requests that this matter be heard at the September 5, 1979 Examiner's hearing.

HINKLE, COX, EATON, COFFIELD & HENSLEY

Conrad E. Coffield
Post Office Box 3580
Midland, Texas 79702
Attorneys for Bass Enterprises
Production Company

APPLICATION OF BASS)
ENTERPRISES PRODUCTION)
COMPANY FOR LIMITATION)
OF POOL RULES AND POOL)
CREATION, EDDY COUNTY,)
NEW MEXICO)

APPLICATION

Bass Enterprises Production Company hereby makes application for limitation of pool rules and pool creation in connection with certain Eddy County, New Mexico lands as follows:

- 1. Applicant seeks a horizontal limitation of the Indian Flats-Morrow Gas Pool such that St Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico is excluded therefrom.
- 2. In addition, Applicant seeks creation of a new gas pool in Eddy County, New Mexico for the production of gas from the Morrow formation with said pool to bear the designation of Northeast Indian Flats Pool. Said proposed Northeast Indian Flats Pool was discovered by the Big Eddy Unit Well No. 66 located in Unit K of Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico. It was completed April 6, 1979 in the Morrow formation.
- 3. The horizontal limits of the new pool should consist of the following described area;

Township 21 South, Range 28 East, N.M.P.M.

Section 25: St

4. Matters urged by Applicant herein are in the interest of conservation, prevention of waste and protection of correlative rights.

Applicant requests that this matter be heard at the September 5, 1979 Examiner's hearing.

HINKLE, COX, EATON, COFFIELD & HENSLEY

Conrad E. Coffield
Post Office Box 3580
Midland, Texas 79702
Attorneys for Bass Enterprises
Production Company

LAW OFFICES

HINKLE, COX, EATON, COFFIELD & HENSLEY

1000 FIRST NATIONAL BANK TOWER POST OFFICE BOX 3580

> MIDLAND, TEXAS 79702 (915) 683-4691

OF COUNSEL CLARENCE É.HINKLE

W. E. BONDURANT, JR. (1914-1973)

ROSWELL, NEW MEXICO OFFICE

600 HINKLE BUILDING (805) 622-6510

ONLY ATTYS. COFFIELD, MARTIN, BOZARTH, BOHANNON, FOSTER, ALLEN, ALLEN & BURFORD LICENSED IN TEXAS

July 24, 1979

Mr. Dan Nutter Chief Engineer Oil Conservation Division Post Office Box 2088 Santa Fe, New Mexico 87501

> Re: Bass Enterprises Production Company Application for Creation of New Pool, Eddy County, New Mexico

Dear Dan:

LEWIS C. COX, JR.

PAUL W. EATON, JR.

STUART D. SHANOR

JAMES H. BOZARTH

K. DOUGLAS PERRIN

JACQUELINE W ALLEN T. CALDER EZZELL,JR. WILLIAM B. BURFORD

C.RAY ALLEN

JOHN S. NELSON RICHARD E.OLSON

DOUGLAS L.LUNSFORD PAUL M. BOHANNON J. DOUGLAS FOSTER

C.D. MARTIN PAUL J. KELLY, JR.

CONRAD E.COFFIELD HAROLD L.HENSLEY, JR.

> Transmitted herewith you will find triplicate executed copies of an Application for Bass Enterprises Production Company for creation of a new pool consisting of St Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico.

My client would appreciate this matter being set on the docket for a date in early September, 1979.

I trust that the enclosed copies of the Application are all that is needed in order for this to be set for an early September hearing. However, if anything is needed in addition, please let me know.

Very truly yours,

HINKLE, COX, EATON, COFFIELD & HENSLEY

CEC:rf Enclosures

OIL CONSERVATION DIVISION SANTA FE

APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY FOR POOL CREATION, EDDY COUNTY, NEW MEXICO

Case 6642

APPLICATION

Bass Enterprises Production Company hereby makes application for pool creation and states:

- 1. Applicant seeks an order creating a new gas pool in Eddy County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of Northeast Indian Flats Pool. Said Indian Flats Pool was discovered by the Big Eddy Unit Well No. 66 located in Unit K of Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico. It was completed April 6, 1979 in the Morrow formation.
- 2. The new pool should consist of the following described area:

Township 21 South, Range 28 East, N.M.P.M.

Section 25: Sk

- Approval of the creation of a new pool will be in the interest of conservation, prevention of waste and protection of correlative rights.
 - 4. APPLICANT REQUESTS THAT THIS MATTER BE HEARD AT AN

E CEXAMENER'S HEARING IN EARLY SEPTEMBER, 1979. C'L CONSERVATION DIVISION SANTA FE

HINKLE, COX, EATON, COFFIELD & HENSLEY

By:

Post Office Box 3580 Midland, Texas 79702

Attorneys for Bass Enterprises

Production Company

APPLICATION OF BASS
ENTERPRISES PRODUCTION
COMPANY FOR POOL CREATION,
EDDY COUNTY, NEW MEXICO

Case 6642

APPLICATION

Bass Enterprises Production Company hereby makes application for pool creation and states:

- 1. Applicant seeks an order creating a new gas pool in Eddy County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of Northeast Indian Flats Pool. Said Indian Flats Pool was discovered by the Big Eddy Unit Well No. 66 located in Unit K of Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico. It was completed April 6, 1979 in the Morrow formation.
- 2. The new pool should consist of the following described area:

Township 21 South, Range 28 East, N.M.P.M. Section 25: St

- 3. Approval of the creation of a new pool will be in the interest of conservation, prevention of waste and protection of correlative rights.
- 4. APPLICANT REQUESTS THAT THIS MATTER BE HEARD AT AN EXAMINER'S HEARING IN EARLY SEPTEMBER, 1979.

JUL 2 3 1979

OIL CONSERVATION DIVISION SANTA FE

HINKLE, COX, EATON, COFFIELD & HENSLEY

ву: (

Conrad E. Cofffield Post Office Box 3580

Midland, Texas 79702 Attorneys for Bass Enterprises

Production Company

APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY FOR POOL CREATION, EDDY COUNTY, NEW MEXICO

Case 6642

APPLICATION

Bass Enterprises Production Company hereby makes application for pool creation and states:

- 1. Applicant seeks an order creating a new gas pool in Eddy County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of Northeast Indian Flats Pool. Said Indian Flats Pool was discovered by the Big Eddy Unit Well No. 66 located in Unit K of Section 25, Township 21 South, Range 28 East, N.M.P.M., Eddy County, New Mexico. It was completed April 6, 1979 in the Morrow formation.
- 2. The new pool should consist of the following described area:

Township 21 South, Range 28 East, N.M.P.M. Section 25: Sh

- 3. Approval of the creation of a new pool will be in the interest of conservation, prevention of waste and protection of correlative rights.
- 4. APPLICANT REQUESTS THAT THIS MATTER BE HEARD AT AN EXAMINER'S HEARING IN EARLY SEPTEMBER, 1979.

OIL CONSERVATION DIVISION SANTA FE

HINKLE, COX, EATON, COFFIELD & HENSLEY

By:

Post Office Box 3580 Midland, Texas 79702

Attorneys for Bass Enterprises

Production Company

DRAFT

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

dr/

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

CASE	NO.	6642
Orde	r No.	R- 1010 58

APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY FOR POOL CONTRACTION AND CREATION, EDDY COUNTY, NEW MEXICO.



ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on September 5

19 79, at Santa Fe, New Mexico, before Examiner Richard L. Stamets

NOW, on this ______ day of April _____, 1981 , the Division

Director, having considered the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be granted.

IT IS THEREFORE ORDERED:

That Case No. 6642 is hereby dismissed.

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

All