CASE NO.

6551

APPlication, Transcripts, Small Exhibits,

ETC.

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

EXAMINER HEARING

IN THE MATTER OF:

Application of Bass Enterprises)
Production Company for an un-)
orthodox gas well location, Eddy)
County, New Mexico.)

CASE 6551

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

APPEARANCES

For	the	Oil	Conservation
D	ivis	ion:	

Ernest L. Padilla, Esq. Legal Counsel for the

Division

State Land Office Building Santa Fe, New Mexico 87501

For the Applicant:

Conrad Coffield, Esq.

HINKLE, COX, EATON, COFFIELD,

& HENSLEY Midland, Texas

SALLY WALTON BO
CERTIFIED SHORTHAND REPORT
1029/PLATE BENCER (868) 471-4
Santa Fe, New Moxico 878

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I N D E X

FRANK KEEFER

Direct Examination by Mr. Coffield

SALLY WALTON BOYD
ERTIFIED SHORTHAND REPORTER
120Plaza Blanca (505) 471-246
Santa Fe, New Mexico 57101

E X H I B I T S

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Applicant Exhibit	Two, Waivers	6
Applicant Exhibit	Three, C-101	7
Applicant Exhibit	Four, Structure Map	8
Applicant Exhibit	Five, Isopach	9
Applicant Exhibit	Six, Cross Section	10

MR. STAMETS: Call next Case 6551.

MR. PADILLA: Application of Bass Enterprises Production Company for an unorthodox gas well location, Eddy County, New Mexico.

MR. COFFIELD: Mr. Examiner, I'm Conrad Coffield with the Hinkle Law Firm of Midland, Texas, appearing on behalf of the applicant, and I have one witness to be sworn.

(Witness sworn.)

FRANK KEEFER

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

DIRECT EXAMINATION

BY MR. COFFIELD:

Q Would you please state your name, address, occupation, and employer?

A. My name is Frank Keefer. I live in

Arlington, Texas. I am a geologist employed by Bass Enterprises Production Company in Ft. Worth, Texas.

Q. Mr. Keefer, have you previously testified before the Oil Conservation Division?

A. No, I have not.

Would you please briefly state your edu-

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cational	backgrour	nd and	ex	perience a	as a geologi	st?
	A.	I hav	e a	Bachelor	of Science	degree in

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A. I have a Bachelor of Science degree in geology from the Missouri School of Mines and approximately forty hours towards a Master's degree in geology from the Missouri School of Mines and University of Colorado.

I've been employed as an exploration geologist for eight years; four and a half years with Cities Service Oil Company in Midland, Texas.

When I left Cities Service Oil Company I was a project geologist in charge of exploration in southeast New Mexico.

I worked for J. M. Huber Corporation for one and one-half years as an exploration geologist in West Texas and southeast New Mexico, and for the last two years I have been a geologist for Bass Enterprises Production Company. At this present time I am in charge of Bass' exploration in West Texas and southeast New Mexico.

Mr. Keefer, are you familiar with the application of Bass Enterprises in this particular case?

A. Yes, I am.

Q. And are you familiar with the property and the proposed well involved?

A. Yes, I am.

MR. COFFIELD: Mr. Examiner, is the wit-

ness considered qualified?

MR. STAMETS: He is.

Q. (Mr. Coffield continuing.) Mr. Keefer, would you please state what does the Bass Enterprises Production Company seek by this application?

A. We seek an approval for an unorthodox gas well location for the Bass No. 1 Merchant State Well. This is a gas well to be drilled 1980 feet from the north line and 660 from the east line of Section 1, Township 19 South, Range 28 East, New Mexico Prime Meridian, in Eddy County. The north half of Section 1 is to be dedicated to this well.

Q What general basis that Bass seeks this unorthodox well location?

A. We feel that the unorthodox Jocation is more desireable based upon our geologic interpretations, such that we will save the drilling of an unnecessary well and more efficiently drain the primary objective of this well.

Q. Mr. Keefer, please refer to what's been marked as Exhibit One and explain to the Examiner what this represents.

A. This is a current land plat of the area in regards to this unorthodox location. Bass acreage is colored in yellow and the Section 1 of Township 19 South, Range 28 East is outlined in red. The location of the Bass

SALLY WALTON BOYD CERTIFIED SHORTHAND REPORTER SOLD PLAZA BRANCE (605) 471-3462 SALIA FC, NOW MOXICO 81501 8

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No. 1 Merchant State Well is indicated by a wellspot and also by a red arrow.

All the wells that I am aware of that have been drilled in this area are shown on this map and the current leaseholders of all offsetting acreage is shown on this map.

These offsetting leaseholders are Northern Natural Gas, Amoco Production Company, Hondo Drilling,
Texas Pacific Oil Company, again Northern Natural Gas on
the north, and Yates Petroleum on the southwest corner, and
Cities Service Production Company south of this acreage.

Q Is Bass Enterprises Production Company boty the leasehold owner as well as the operator of this property on which we seek the unorthodox location?

A. Yes, it is.

I have received from a majority of the offsetting leasehold owners waivers regarding the location of this well. All of them except that from Yates Petroleum Company, and they have advised us that they would not sign a waiver; however, they would not oppose our unorthodox location.

Q. Have these been submitted, or have they been marked As Exhibit Two, Mr. Keefer?

A. Yes, they have.

Q. Before we go any further, it might be well

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3010Plaza Blanca (605) 471-2462
Santa Fe, New Mexico 87501

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to explain to the Examiner the problem we have with respect to the name of the well.

A. Yes, sir. The original name which we proposed for this well was the Bass No. 2 State Merchant.

There is an original well drilled on this location, a shallow -- excuse me, an original well drilled in the section, the Ohio No. 1 Merchant State.

The designation No. 2 for our well was found unacceptable by the State, and so we have changed it to go along with their request, which was the No. 1 Merchant State.

Q. And, Mr. Keefer, as a consequence, the exhibits which we will have here sometimes make reference to the Merchant State No. 1 in one case and in another to the State Merchant No. 2, is that correct?

A. Yes.

Q But it's all the same well?

A. Yes, sir.

Q. Please go into what has been marked as Exhibit Three.

A. All right. Exhibit Three is the C-101 which was submitted on this well. Again, in this case you'll notice that it's indicated as the No. 2 State Merchant, which is being changed, sir.

Q. Okay, in connection with that particular

exhibit, Mr. Keefer, then the standard location would be -
A. A standard location for this proration
unit would be in this case 1980 feet from the east line,
rather than the 668 -- 660 foot location which is shown, or
requested.

Q. Okay, please refer to what's been marked as Exhibit Four and explain to the Examiner what this represents.

A. Exhibit Four is a structure map of the --on top of the Lower Morrow, a point which is shown on a
later exhibit. It is a commonly used structural marker
in Eddy County for the Morrow formation.

Shown on the map is my interpretation of the structural picture as well as the outline of the section involved, and also shown is a line of Section A-A', which goes through the proposed location of this well.

Basically what this structure map shows, it is a series of south plunging noses with some structural platforms located along these noses.

You'll note to the north that there is a considerable amount of gas production from the Turkey Track North Field.

O. Anything further on that exhibit?

A. No.

O. Let's go on to what has been marked as

LLY WALTON BOYD

IFFED SHORTHAND REPORTER
Plaza Blanca (505) 471-3465

pta Pc. New Mortico 87591

Exhibit Five and discuss that, please, and explain to the Examiner what that represents.

A. Exhibit Five is an Isopach of a Lower Morrow Sand, the one which is most commonly productive in this North Turkey Track area. My contour interval is five feet.

The wells which have been shown in green here are wells which are productive from the sand which is Isopached, and which we feel is the primary objective of our drilling the No. 1 Merchant State.

Now, for a matter of simplicity and demonstration, I have made from this Isopach map an overlay, which goes over the structure map, to indicate the relevance of drilling an unorthodox well location.

of this sand on this structure map we see that there is a relationship established between the present structure and the thinning of this sand. The sand tends to thin along the structural noses and on these structural platforms.

This is demonstrated in the North Turkey Track area and I believe will be demonstrated in our area as well.

In essence, what we're saying is that these -- the present day structure is a reflection of the structure at the time of deposition of this sand. These were higher areas. The sand was deposited in the lower

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areas or along the flanks of these highs.

We feel that to have a sufficiently productive well, at least economically, we are going to need in the neighborhood of ten feet of sand.

The Redfern No. 1 Marathon State Well to the north did not have any sand of -- that I've Isopached here. The wells to the west, or excuse me, to the east, do have sand, as well as wells which are to the north. Therefore we feel that removing ourselves from these wells, the Redfern No. 1 Marathon State, will afford us a better opportunity of encountering not only a thicker sand but a sand of better reservoir quality. The deleterious affect of the thinning of the sand is that of both a loss in permeability due to the sand fining itself and the inclusion of shale within the sand. I think this is shown on a later exhibit, on the cross section.

This acrylic overlay is an exact reproduction (inaudible)

Yes, it is.

Okay, Mr. Keefer, would you next refer, please, to what has been marked Exhibit Six and explain that to the Examiner?

Exhibit Six is cross section A-A' which has been shown on the structure map and also a plat is included on the cross section as well.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTEI
1010Plaza Nanca (606) 471-246
Santa Fe, New Mexico 87501

Now, that which was mapped as sand is the unit which is shown over on the righthand margin, indicated as Isopach interval, and this is the Morrow Sand which has been Isopached.

Now, you will note that in the Amoco No. 1

ER Well, there is a great quantity of sand in the lower

Morrow section. As we move to the east in the Amoco No. 1

EC Well there is a loss in sand. If you will refer back to

the structure map you will see that this well is again

located along a structural nose.

I feel the same situation exists as we move towards our proposed location onto another structural nose, we will necessarily need to be on the flank of this structure in order to have reasonably good reservoir quality.

As you can see --

Q. Anything else on this exhibit?

A. Just point out that the Amoco EC Well, which is indicated as Well No. 4, is productive from this sand. It was not perforated in the Amoco No. 1 ER Sand, however there was a drill stem test taken which indicated it covered the top two feet of sand. There is no indication of any gas recovery but a very large recovery of mud.

Q. Mr. Keefer, is it your opinion that if the application is granted in this particular case, that it will be possible to drill two wells in this -- in this

2)

section, two commercial wells?

north and south proration unit I feel that the likelihood of encountering sand on the east flank of our -- of the section involved, Section 1, is greater than if we were to have east/west proration units, such that we would only be able to drill one productive well.

And in this same manner, drilling a 1980 location from the east line will further remove us from the thick sand, as evidenced in the Amoco ER Well, and would decrease our chances of making a commercial completion.

Q Mr. Keefer, were these Exhibits One through Six either prepared by you or under your supervision?

A. Yes, they were.

Q. And in your opinion will the approval of the Bass Enterprises Production Company application prevent the drilling of unnecessary wells and protect correlative rights and otherwise prevent waste?

A. Yes, I do.

 $$\operatorname{MR.}$ COFFIELD: I move the admission of the exhibits.

MR. STAMETS: The exhbits will be admitted.

Any 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, knowledge, and skill, from my notes taken at the time of the hearing.

Sally W. Boyd, C.S.R.

I do hereby certify that the foregoing to a complete record of the proceedings in the Examiner leaving of Cuse 10. 6554 Examin#

Oil Conservation Division

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION State Land Office Building Santa Fe, New Mexico 23 May 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Bass Enterprises) Production Company for an unorthodox gas well location, Eddy) County, New Mexico.

CASE 6551

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

APPEARANCES

For the Oil Conservation Division:

Ernest L. Padilla, Esq. Legal Counsel for the

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State Land Office Building Santa Fe, New Mexico 87501

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(Witness sworn.)

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BY MR. COFFIELD:

- Q Would you please state your name, address, occupation, and employer?
- A. My name is Frank Keefer. I live in

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SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (606) 471-3462
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Track North Field.

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RIFFED SHORTHAND REPORTER
10 Plate Blance (50.5) 471-246
Santa Fe, New Modeo 87501

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We feel that to have a sufficiently productive well, at least economically, we are going to need in the neighborhood of ten feet of sand.

the north did not have any sand of -- that I've Isopached here. The wells to the west, or excuse me, to the east, do have sand, as well as wells which are to the north.

Therefore we feel that removing ourselves from these wells, the Redfern No. 1 Marathon State, will afford us a better opportunity of encountering not only a thicker sand but a sand of better reservoir quality. The deleterious affect of the thinning of the sand is that of both a loss in permeability due to the sand fining itself and the inclusion of shale within the sand. I think this is shown on a later exhibit, on the cross section.

- Q This acrylic overlay is an exact reproduction (inaudible)
 - A Yes, it is.
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SALLY WALTON BOY CERTIFIED SHORTHAND REPORT 3020 Plaza Blanca (805) 471-24 Santa Fe, New Mexico 5750

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Now, you will note that in the Amoco No. 1 ER Well, there is a great quantity of sand in the lower Morrow section. As we move to the east in the Amoco No. 1 EC Well there is a loss in sand. If you will refer back to the structure map you will see that this well is again located along a structural nose.

I feel the same situation exists as we move towards our proposed location onto another structural nose, we will necessarily need to be on the flank of this structure in order to have reasonably good reservoir quality.

As you can see --

- Q Anything else on this exhibit?
- A. Just point out that the Amoco EC Well, which is indicated as Well No. 4, is productive from this sand. It was not perforated in the Amoco No. 1 ER Sand, however there was a drill stem test taken which indicated it covered the top two feet of sand. There is no indication of any gas recovery but a very large recovery of mud.
- Q Mr. Keefer, is it your opinion that if the application is granted in this particular case, that it will be possible to drill two wells in this -- in this

section, two commercial wells?

A. Yes, sir, I do. By -- by making both a north and south proration unit I feel that the likelihood of encountering sand on the east flank of our -- of the section involved, Section 1, is greater than if we were to have east/west proration units, such that we would only be able to drill one productive well.

And in this same manner, drilling a 1980 location from the east line will further remove us from the thick sand, as evidenced in the Amoco ER Well, and would decrease our chances of making a commercial completion.

Q Mr. Keefer, were these Exhibits One through Six either prepared by you or under your supervision?

A. Yes, they were.

Q And in your opinion will the approval of the Bass Enterprises Production Company application prevent the drilling of unnecessary wells and protect correlative rights and otherwise prevent waste?

M Yes, I do.

MR. COFFIELD: I move the admission of the exhibits.

MR. STAMETS: The exhbits will be admitted.

Any 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, knowledge, and skill, from my notes taken at the time of the hearing.

Sally W. Boyd, C.S.R.

I do hereby certify that the foregoing is

, Examiner

Oll Conservation Division

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONCENSATION DIVIDION

JERRY APODACA

NICK TRANKLIN SECRETARY

Mr. Conrad E. Coffield

June 14, 1979

CASE NC.

ORDER NO.

POST DEFICE BOX PORB STATE LAND OFFICE BOILDING SANTA FE, NEW MEXICO BYSOT (500) P27-2434

6551

R-6022

Hinkle, Cox, Eaton,	ORDER NO. 11-0322			
Coffield & Hensley Attorneys at Law P. O. Box 3580 Midland, Texas 79702	Applicant:			
Midiand, 16xas 75702	Bass Enterprises Production Co			
Dear Sir:				
	copies of the above-referenced entered in the subject case.			
Yours very truly, JOE D. RAMEY Director				
JDR/fd	•			
Copy of order also sent t	:o:			
Hobbs OCC x Artesia OCC x Aztec OCC				
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. 6551 Order No. R-6022

APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY FOR AN UNORTHODOX GAS WELL LOCATION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on May 23, 1979, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 12th day of June, 1979, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Bass Enterprises Production Company, seeks approval of an unorthodox gas well location 1980 feet from the North line and 660 feet from the East line of Section 1, Township 19 South, Range 28 East, NMPM, to test the Morrow formation, Eddy County, New Mexico.
- (3) That the N/2 of said Section 1 is to be dedicated to the well.
- (4) That a well at said unorthodox location will better enable applicant to produce the gas underlying the proration unit.
- (5) That no offset operator objected to the proposed unorthodox location.
- (6) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the subject pool, will prevent the economic

-2-Case No. 6551 Order No. R-6022

loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

- (1) That an unorthodox gas well location for the Morrow formation is hereby approved for a well to be located at a point 1980 feet from the North line and 660 feet from the East line of Section 1, Township 19 South, Range 28 East, NMPM, Eddy County, New Mexico.
- (2) That the N/2 of said Section 1 shall be dedicated to the above-described well.
- (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 herein-above designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY // Director

SEAL

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Amoco Production Company

Houston Region 500 Jefferson Building Post Office Box 3092 Houston, Texas 77001

J. R. Barnett Regional Engineering Manager

May 17, 1979

File: TBM-986.51NM-3279

Re: Reques

Request for Approval of Unorthodox Location

Bass Enterprises Production Co. Bass No. 2 State-Merchant Turkey Tract North (Morrow) Eddy County, New Mexico

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

Attention: Mr. Joe D. Ramey

Gentlemen:

Bass Enterprises Production Company, operator for P. R. Bass, has made application for an exception to Rule 2, Request for Approval of Unorthodox Location, to drill the Bass No. 2 State-Merchant located 1980' FNL and 660' FEL of Section 1, T-19-S, R-28-E, NMPM, Eddy County, New Mexico and to dedicate the N/2 of Section 1 to the well.

As an offset operator, Amoco Production Company has no objections to this drilling location and hereby waive notice and hearing.

Yours very truly,

MLC:sam

cc: Bass Enterprises Production Company P. O. Box 2760

Midland, TX 79702

Hearing Date 3-23-7

WAIVER

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

ATTENTION: MR. JOE D. RAMEY

This is to advise that the undersigned has been given due notice that Bass Enterprises Production Company has made application for an exception to Rule 2 of the Special Rules and Regulations for the Turkey Track North Morrow Gas Pool.

We hereby waive any objection to the granting of this application for the above well which will be located:

Bass #2 State Merchant to be located 1980' FNL & 660' FEL of Sec 1, Township 19 South, Range 28 East, NMPD, Eddy County, New Mexico.

WAIVER

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

ATTENTION: MR. JOE D. RAMEY

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Executed this _	21	day of _	MAY		, 1979.
			COMPANY: CITIES SERVICE		CE COMPANY
			RV. ///	an Don	Manager Production Southwest Region

WAIVER

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

ATTENTION: MR. JOE D. RAMEY

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xecuted this _	21st	day of	May	, 1979.
			COMPANY: HONDO D	RILLING COMPANY
			8Y: <i>Mala</i>	1 July 1

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

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Executed this J/ day of May . 1979.

COMPANY: Morthern Matural Las Co.

BY: J. S. Mc Donald

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 8750'

ATTENTION: MR. JOE D. RAMEY

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> Bass #2 State Merchant to be located 1980' FNL & 660' FEL of Sec 1, Township 19 South, Range 28 East, NMPD, Eddy County, New Mexico.

day of May COMPANY. Jeyas Pacific Villo Inc BY: A Albomack no

INTER-OFFICE COMMUNICATION

DATE May 22, 1979

:OT

Files

FOR: MR.

FROM: MR.

D. L. Davis

RE:

Bass #2 State Merchant

File: 400-WF

David Davis discussed Bass #2 State Merchant waiver with Yates Petroleum on 5-21-79. They advised that they would not sign the waiver; however, they will not oppose the unorthodox location.

DLD:gp

		All distances	nust be from t	he outer bounds	ster of t	he Section		
Reservation	orisas Produ	ation Co.	Les	•	Merch	ant. Y		Well No.
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					0 /480,	660'-	Name S. H. Position Divis Company Bass I	certify that the information con- trein is true and complete to the ty provided and belief. Rowland Lon Engineer Enterprises Prodin C
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2320 550	190 1320 1650 1	980 2310 2640	2000	1500 1000			Certificate	No.



Amoco Production Company

Houston Region 500 Jefferson Building Post Office Box 3092 Houston, Texas 77001

J. R. Barnett Regional Engineering Manager

May 17, 1979

File: TBM-986.51NM-3279

Re:

Request for Approval of

Unorthodox Location

Bass Enterprises Production Co. Bass No. 2 State-Merchant Turkey Tract North (Morrow) Eddy County, New Mexico

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

Attention: Mr. Joe D. Ramey

Gentlemen:

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As an offset operator, Amoco Production Company has no objections to this drilling location and hereby waive notice and hearing.

Yours very truly,

MLC:sam

cc: Bass Enterprises Production Company

P. 0. Box 2760 Midland, TX 79702 Checons of Carlos States on States o

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

ATTENTION: MR. JOE D. RAMEY

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We hereby waive any objection to the granting of this application for the above well which will be located:

Bass #2 State Merchant to be located 1980' FNL & 660' FEL of Sec 1, Township 19 South, Range 28 East, NMPD, Eddy County, New Mexico.

Executed this 1/2 day of May, 1979.

COMPANY: Remain Company

BY: Market & Mallery

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

ATTENTION: MR. JOE D. RAMEY

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Executed this _	21	day of _	MAY		, 1979.
			COMPANY: CITIE	ES SERVIC	E COMPANY
			(Col	//a	MANAGER PRODUCTION SOUTHWEST REGION

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

ATTENTION: MR. JOE D. RAMEY

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Bass #2 State Merchant to be located 1980' FNL & 660' FEL of Sec 1, Township 19 South, Range 28 East, NMPD, Eddy County, New Mexico.

Executed this _	21st	_ day of	Мау	, 1979.
			COMPANY: HONDO DRILLING	COMPANY
		·	BY:	

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

ATTENTION: MR. JOE D. RAMEY

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Executed this 1/5t day of May

COMPANY: Marthern Matural San Co.

BY: J. S. Mc Donald

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

ATTENTION: MR. JOE D. RAMEY

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Bass #2 State Merchant to be located 1980' FNL & 660' FEL of Sec 1, Township 19 South, Range 28 East, NMPD, Eddy County, New Mexico.

Executed this 15 th day of May, 1979

COMPANY STAB PACEGO (

BY: LAWomack no

INTER-OFFICE COMMUNICATION

DATE May 22, 1979

TO:

Files

FOR: MR.

FROM: MR.

D. L. Davis

RE:

Bass #2 State Merchant File: 400-WF

David Davis discussed Bass #2 State Merchant waiver with Yates Petroleum on 5-21-79. They advised that they would not sign the waiver; however, they will not oppose the unorthodox location.

DLD:gp

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section the orate r Lease State Merchant Bass Enterprises Production Co Init Letter 28E 198 Eddy H Actual Footage Location of Well: 660 1980 North East leet from the feet from the line and line CrouNotevel Elev. Pool Producing Formation Dedicated Acreage: 320 available Turkey Track North Morrow Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? Yes No If answer is "yes!" type of consolidation, If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)_ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or urtil a non-standard unit, climinating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information contained hereIn Is true and complete to the S. H. Rowland Division Engineer 660'-Bass Enterprises Prod'n Co May 10, 1979 I hereby certify that the well location shown on this plat was platted from field **BEFORE EMANAMER STAMETS** notes of actual surveys made by me or ICH DIVISION under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed Registered Ptofessional Engineer and/or Land Surveyor

650

1320 1650 1980 2310

backets Nos 23-79 and 24-79 are tentatively set for hearing on June 13 and 27, 1979. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - MAY 23, 1979

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

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

- CASE 6545: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Corinne Grace, Travelers Indemnity Company, and all other interested parties to appear and show cause why the Kuklah Baby Well No. 1 located in Unit G of Section 24, Township 22 South, Range 26 East, Eddy County, New Mexico, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 6422: (Continued from February 28, 1979, Examiner Hearing)

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

- CASE 6546: Application of Black River Corporation for compulsory pooling and non-standard gas proration unit, Lea County, New Nexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Jalmat Cas Pool underlying the SW/4 of Section 32, Township 23 South, Range 37 East, to form a 160-acre non-standard gas proration unit 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 6536: (Continued from May 9, 1979, Examiner Hearing)

Application of Black River Corporation for two non-standard gas proration units, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for two 80-acre non-standard gas proration units in the Jalmat Gas Pool as follows: the N/2 SE/4 of Section 22, Township 23 South, Range 36 East, to be dedicated to applicant's well to be drilled in Unit J of said Section 22; and the S/2 SE/4 of said Section 22 to be dedicated to El Paso Natural Gas Company's Shell State Well No. 3 located in Unit P.

CASE 6535: (Continued from May 9, 1979, Examiner Hearing)

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 Pool by the injection of water into the Menefee formation through two wells located in Section 21, Township 18 North, Range 3 West, Sandoval County, New Mexico.

- CASE 6547: Application of American Petrofina Company of Texas for the creation of a waterflood buffer zone,
 Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a waterflood
 buffer zone comprising the NE/4 SE/4 of Section 26, Township 17 South, Range 32 East, Naljamar
 Grayburg-San Andres Pool, to enable applicant to produce its Johns B Well No. 4 located thereon
 at an unrestricted rate.
- CASE 6548: Application of John F. Staver for salt water disposal, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Dakota formation through the open hole interval from 1408 feet to 1412 feet in his Table Mesa Well No. 22 located in Unit N and from 1394 feet to 1400 feet in his Table Mesa Well No. 23 located in Unit O, both in Section 34, Township 28 North, Range 17 West, Table Mesa-Dakota Oil Pool.
- CASE 6549: Application of Gulf Oil Corporation fo oil creation, discovery allowable, and special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order creating a new Bone Springs oil pool for its Lea "YN" State Well No. 1 located in Unit O of Section 25, Township 18 South, Range 34 East. Applicant also seeks a discovery allowable and promulgation of special pool rules, including a provision for 80-acre spacing.

- Application of Nates Petroleum Corporation for an unorthodox gas well location and compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp through Mississippian formations underlying the S/2 of Section 12, Township 19 South, Range 24 East, to be dedicated to its Allison Federal "CQ" Well No. 2 to be drilled at an unorthodox location 1980 feet from the South line and 660 feet from the West line of said Section 12. 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 6492: (Continued from May 9, 1979, Examiner Hearing)

Application of Yates Petroleum Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying the NE/4 NW/4 of Section 13, Township 17 South, Range 25 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 6551: Application of Bass Enterprises Production Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox Lower Morrow gas well location 1980 feet from the North line and 660 feet from the East line of Section 1, Township 19 South, Range 28 East, the N/2 of said Section 1 to be dedicated to the well.
- CASE 6528: (Continued from April 25, 1979, Examiner Hearing)

16.

Application of Bass Enterprises Production Co. for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox Morrow test well location to be drilled 660 feet from the North and West lines of Section 10, Township 21 South, Range 32 East, Lea County, New Mexico, the W/2 of said Section 10 to be dedicated to the well.

- CASE 6552: Application of Maddox Energy Corporation for compulsory pooling, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the E/2 of Section 3, Township 24 South, Range 28 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- Application of The Atlantic Rischeld Company for approval of infill drilling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the Division valved existing well-spacing requirements and found that the drilling of additional wells was necessary to effectively and efficiently drain those portions of the proration units in the Empire Abo Unit located in Townships 17 and 18 South, Ranges 27, 28 and 29 East, which could not be so drained by the existing wells.
- CASE 6554: Application of The Atlantic Richfield Company for compulsory pooling, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks an order pooling all royalty interests in the Devonian, McKee, and Ellenburger formations underlying the E/2 of Section 20, Township 22 South, Range 36 East, Langlie Field, to be dedicated to a well to be drilled at a standard location thereon.
- Application of Jake L. Hamon for an unorthodox gas well location, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for an unorthodox location 660 feet from the North line and 560 feet from the East line of Section 30, Township 20 South, Range 36 East, North Osudo-Morrov Gas Pool, all of said Section 30 to be dedicated to the well.
- CASE 6556: Application of Curtis Little for the amendment of Order No. R-5962, San Juan County, New Mexico.

 Applicant, in the above-styled cause, sacks the amendment of Order No. R-5962 to provide for the unorthodox location of a well to be drilled 1000 feet from the South line and 50 feet from the East line of Section 11, Township 28 North, Range 12 West, Basin-Dakota Pool, and for the extension of the date to commence drilling.
- CASE 6435: (Continued from February 28, 1979, Examiner Hearing)

Application of Amerada Hess Corporation for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of its W. A. Weir "B" Well No. 3 located in Unit B of Section 26, Township 19 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well, and further seeks approval of a waiver of existing well-spacing requirements.

- CASE 6559: Application of Roy L. McKay for a unit agreement, Lea County, New Mexico. Applicant. In the abovestyred cause, seeks approval for his Norton Solid State Unit Area, comprising 1,460 acres, nore of less, of State lands in Towaship 15 South, Range 36 Sast.
- CASE 6487: (Continued from February 28, 1979, Exactner 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 valver 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, Euront 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 6471: (Continued from February 28, 1979, Examiner Hearing)

Application of Consolidated Oil & Gas, Inc. for approval of infill drilling, San Juan 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 Freeman Well No. 1-A to be located in Unit C of Section 11, Township 31 North, Range 13 West, Basin-Dakota Pool, San Juan County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.

CASE 6472: (Continued from February 28, 1979, Examiner Hearing)

Application of Consolidated Oil & Gas, Inc. for approval of infill drilling, Rio Arriba 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 Jenny Well No. 1-A to be located in Unit P of Section 13, Township 26 North, Range 4 West, Basin-Dakota Pool, Rio Arriba 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 6473: (Continued from February 28, 1979, Examiner Hearing)

Application of Consolidated Oil & Cas, Inc. for approval of infill drilling, Rio Arriba 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 McIntyre Well No. 1-A to be located in Unit K of Section 11, Township 26 North, Range 4 West, Basin-Dakota Pool, Rio Arriba County, New Mexico, is necessary to effectively and efficiently drain that portion of the provation unit which cannot be so drained by the existing well.

CASE 6474: (Continued from February 28, 1979, Examiner Hearing)

Application of Consolidated Oil & Gas, Inc. for approval of infill drilling, San Juan 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 Williams Well No. 1-A to be located in Unit C of Section 24, Township 31 North, Range 13 West, Basin-Dakota Pool, San Juan County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.

CASE 6475: (Continued from February 28, 1979, Examiner Hearing)

Application of Consolidated Oil & Gas, Inc. for approval of infill drilling, San Juan 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 Montoya Well No. 1-A to be located in Unit I of Section 35, Township 32 North, Range 13 West, Basin-Dakota Pool, San Juan County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.

DOCKET: COMMISSION BEARING - TUESDAY - MAY 29, 1979

OIL CONSERVATION COMMISSION = $9~\mathrm{A.M.}$ = ROOM 205 STATE LAND OFFICE BUILDING, SANTA FE, REW MEXICO

CASE 6557: Application of Getty Oil Company for pool creation and special pool rules, Lea County, New Mexico.

Applicant, in the above-styled cause, seeks an order creating a new Morrow gas pool for its State

35 Well No. 1 located in Unit K of Section 35, Township 21 South, Kange 34 East, and its Getty Two

State Well No. 1 located in Unit F of Section 2, Township 22 South, Range 34 East, and for promulgation of special pool rules, including provision for 640-acre gas well spacing.

CASE 6497: (DE NOVO)

Application of Llano, Inc. for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be located 1650 feet from the South line and 660 feet from the East line of Section 34, Township 21 South, Range 34 East, Grama Ridge-Morrow Gas Pool, the E/2 of said Section 34 to be dedicated to the well.

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

CASE 6558: Application of Llano, Inc. for a non-standard gas proration unit, Lea County, New Mexico.

Applicant, in the above-styled cause, seeks approval for a 320-acre non-standard gas proration unit comprising the E/2 of Section 34, Township 21 South, Range 34 East, to be dedicated to its Llano 34 State Com Well No. 1 located in Unit I of said Section 34.

LAW OFFICES

HINKLE, COX, EATON, COFFIELD & HENSLEY

1000 THE HAHONAL BANK TOWER

POST OFFICE BOX 3580

MIDLAND, TEXAS 79702

(915) 683-4691



ROSWELL, NEW MEXICO OFFICE 600 HINKLE BUILDING (505) 622-8510

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

April 30, 1979

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

Dear Dan:

LEWIS C. COX,UR.

CONRAD E.COFFIELD HAROLD L.HENSLEY, JR.

STUART D.SHANOR

PAUL J. KELLY, JR.

C. RAY ALLEN

JAMES H. BOZARTH

DOUGLAS L.LUNSFORD PAUL M. BOHANNON J. DOUGLAS FOSTER K.DCUGLAS PERRIN

JACQUELINE W ALLEN T. CALDER EZZELL,JR.

WILLIAM B. BURFORD JOHN S. NELSON RICHARD E. OLSON

Transmitted herewith you will find triplicate executed copies of an Application for Bass Enterprises Production Company for an unorthodox well location in Section 1, Township 19 South, Range 28 East, N.M.P.M., Eddy County, New Mexico.

It is my understanding that the docket setting for May 23 is still available for this matter, and accordingly, we request that it be heard on that date.

I trust that the enclosed copies of the Application are all that is needed in order for this to be set for the May 23 hearing. However, if anything is needed in addition, please let me know.

Very truly yours,

HINKLE, COX, EATON, COFFIELD & HENSLEY

Conrad E. Coffield

CEC:rf Enclosures

xc: Mr. Jens Hansen 3100 Fort Worth National Bank Fort Worth, Texas 76102



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

APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY FOR AN UNORTHODOX WELL LOCATION, EDDY COUNTY, NEW MEXICO

Care 6551

APPLICATION

Bass Enterprises Production Company hereby makes application for approval of an unorthodox gas well location and states:

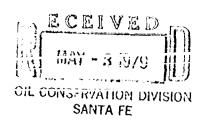
- 1. Applicant seeks approval of an unorthodox gas well location for its Bass No. 2 State Merchant Well to be drilled at a point 1980 feet from the North line and 660 feet from the East line of Section 1, Township 19 South, Range 28 East, N.M.P.M., Eddy County, New Mexico, to test the Lower Morrow formation at a proposed depth of approximately 11,500 feet.
- 2. That the N1/2 of Section 1 is to be dedicated to the well.
- 3. Approval of the unorthodox location will be in the interest of conservation, prevention of waste and protection of correlative rights.
- 4. Applicant requests that this matter be heard at the May 23, 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



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

APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY FOR AN UNORTHODOX WELL LOCATION, EDDY COUNTY, NEW MEXICO

Case 6551

APPLICATION

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HINKLE, CGX, EATON, COFFIELD & HENSLEY

By:

Conrad E. Coffield Post Office Box 3580 Midland, Texas 79702

Attorneys for Bass Enterprises

Production Company

BEFORE THE OIL CONSERVATION DIVISION OF

THE DEPARTMENT OF ENERGY AND MINERALS

STATE OF NEW MEXICO

Case 6551

APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY FOR AN UNORTHODOX WELL LOCATION, EDDY COUNTY, NEW MEXICO

APPLICATION

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Conrad E. Coffield Post Office Box 3580 Midland, Texas 79702

Attorneys for Bass Enterprises

Production Company

Bass Enterprises Production Co. Unorthodox Sas Will hor Bass Merch Stace # 2 1980 FNL 660 FEL -7195-RZ8E Lawer Morrow 11,500 N/2 Sec 1 1:30 pm 4/30 Courad Caffield

STATE OF NEW MEXICO ENERGY AND HINERALS DEPARTMENT OIL CONSERVATION DIVISION

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

ORDER NO. R- 6022	
APPLICATION OF BASS ENTERPRISES PRODUCTION COMPANY	
FOR AN UNORTHODOX GAS WELL LOCATION,	
EDDY COUNTY, NEW MEXICO.	
ORDER OF THE DIVISION	
BY THE DIVISION:	
This cause came on for hearing at 9 a.m. on May 23	_,
19 79 , at Santa Fe, New Mexico, before Examiner Richard L. Stamets	
NOW, on this day of , 19 79 , the Division	מכ
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	7
law, the Division has jurisdiction of this cause and the subject	
matter thereof.	
(2) That the applicant, Bass Enterprises Production Company	,
seeks approval of an unorthodox gas well location 1980	-
feet from the North line and 660 feet from the	
ast line of Section 1 , Township 19 South	
Range 28 East , NMPM, to test the Morrow	
formation, Eddy	
County, New Mexico.	
(3) That the $\frac{N/2}{}$ of said Section $\frac{1}{}$ is to be	3
dedicated to the well.	
(4) That a well at said unorthodox location will better	
enable applicant to produce the gas underlying the proration unit	t,
(5) That no offset operator objected to the proposed unorth	10
location.	

CASE NO.

-2-
Case No.
Order No. R-
101 1/-

(6) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That an unorthodox gas well location for the Lawer Morrow
formation is hereby approved for a well to be located at a point 1000
reet from the North line and 660 feet from the Fact
line of Section 1., Township 19 South , Range 28 East
New Mexico. Eddy County,

- (2) That the $\frac{N/2}{}$ of said Section $\frac{1}{}$ shall be dedicated to the above-described well.
- (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.