CASE 6777: HARVEY E. YATES COMPANY FOR AN NGPA DETERMINATION, EDDY COUNTY, NEW MEXICO

CASE NO.

6777

APPlication, Transcripts, Small Exhibits,

ETC.

CASE

6777

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

EXAMINER HEARING

IN THE MATTER OF:

Application of Harvey E. Yates Com-)
pany for an NGPA determination,)
Eddy County, New Mexico.)

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

APPĒARANCES

For the Oil Conservation Division:

Ernest L. Padilla, Esq. Legal Counsel to the Division State Land Office Bldg. Santa Fe, New Mexico 87501

For the Applicant:

Robert E. Strand, Esq. Harvey E. Yates Company P. O. Box 1933 Roswell, New Mexico 88201

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ANDREW LATTU

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MR. STAMETS: We'll call next Case 6777.

MR. PADILLA: Application of Harvey E. Yates Company for an NGPA determination, Eddy County, New Mexico.

MR. STRAND: Mr. Examiner, in the prior two cases Mr. Lattu was sworn and qualified. May we consider Mr. Lattu still under oath and qualified?

MR. STAMETS: Yes, the record in Case 6777 should show Mr. Lattu is sworn and qualified.

MR. STRAND: Mr. Examiner, in Case

Number 6777 Harvey E. Yates Company is requesting an NGPA

determination for its Amoco 22 State No. 2 Well, finding that

production from such well is from a new on-shore reservoir.

ANDREW LATTU

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

DIRECT EXAMINATION

BY MR. STRAND:

Q. Mr. Lattu, would you please state the location of the Amoco 22 State No. 2 Well?

A Okay. This well is located in Eddy
County, New Mexico, Township 23 South, Range 27 East, Section
22, 1980 from the north and east lines of Section 22.

Q. Mr. Lattu, what is the spud date of the well?

A All right, this well was spudded on 20th of June, 1979.

Q. Could you also state the producing interval in that well?

A. Okay, the well was drilled to a TD to fully test the Morrow Sands and these sands were not found productive in this well; however, in drilling through the Strawn zone we had a strong gas show and upon the failure of the Morrow and Atoka to produce, we then perforated and tested the Strawn and it appears that we do have a commercial gas well from the Strawn.

And this interval is from 10,977 to 11,094 feet.

Q Mr. Lattu, do you have any further details you'd like to add as to the characteristics of that producing horizon?

A. It is Strawn carbonate. Exhibit Number One is a cross section, which I have an index map on the cross section showing this subject well is indicated by an arrow at the top of this cross section. This cross section covers all the surrounding wells.

The Strawn was -- or the Strawn formation is known to produce locally where --

MR. STAMETS: Mr. Lattu, could you put that cross section up on the wall, please?

A. Okay.

All right, this well is hung on a datum of a minus -- this cross section is hung on a datum of -7400 feet. That is a structural datum, not the top of the Wolf-camp. The Wolfcamp formation continues above sections of the log that are not shown on this cross section.

The formation tops of the Strawn, Atoka, Atoka Lime, Morrow, and then the B Sands and C Shale and C Sands in the Morrow are indicated.

sists of a shelf lime with occasional local buildups of Ivanovia or some other mechanism that caused a bit of permeability and porosity to be preserved within this carbonate.

Generally, when Strawn production is found, it's found while an operator is looking for Morrow Sand production. The Strawn reservoir usually does not extend for more than just one well or two wells drilled very close together; possibly two wells. The two wells that we have drilled in Section 22, the first well did not have any shows drilling through the Strawn carbonate, even though the gamma ray appears clean in the productive well.

This particular well, when we drilled into the Strawn, we had a very strong gas kick; some gas to

surface in the mud.

Now, we attempted a DST but were unable to bring the mud weight up to -- we brought the mud to a weight of 11.8 pounds per gallon and it would still not hold the Strawn in. At that time the Bone Springs carbonate broke down and we started losing mud into that formation.

We went ahead and drilled it and got it partially logged and pipe in the hole and were very pleased with ourselves not losing the rig.

So we felt, at the time that we were drunning the pipe, that we did have a possible Strawn productive zone. This is the first well to my knowledge in this area that has had any kind of significant show from the Strawn.

As you can see, the zone is present but has not been either tested by drill stem test or perforations within this area and is therefore a new reservoir.

- Mr. Lattu, is it your opinion that the wells that are shown on the cross section and on your index map are the wells that have significance as to the definition of a reservoir from which the Amoco 22 No. 2 produces?
- A Yes, I feel this shows this reservoir has not been encountered by any previous well, in the surrounding area, and as I testified earlier, it tends to be a very local producing zone.

Q Mr. Lattu, are you able to determine from the logs that the Strawn is a producing interval?

A. Well, we do see some porosity here just a little better than is seen on the other well, but the fact that we had a very strong gas show when we drilled into it is --

MR. STAMETS: Do you have any other logs that show the presence of hydrocarbons in the Strawn?

A. No. This particular porosity log showing a little bit of porosity development right there is the best indicator, and that with the show we encountered while drilling.

MR. STAMETS: And what do you see on the other logs, particularly the two closest logs? I believe that would be Well No. 3 and 4 on your cross section, reading from the right.

Well, on Well No. 3 it appears to be very tight with possibly only 1 percent porosity. In the other well we drilled in the same section there, it shows possibly 1 percent porosity and it's not as clean as we encountered. Ours isn't as clean as the Huskie well, which had several zones that they had shows and drill stem test and perforated, but this zone did not encounter any shows in the drilling of the well and the Huskie Well was dry and abandoned.

MR. STAMETS: What about the fourth well, what's the status of it?

A. Well, that well is a Morrow gas well.

It's producing mostly from the Morrow B Sands series.

MR. STAMETS: Who's the operator?

A. We are.

MR. STAMETS: Did you have any -- do you intend to go back in that well and test the Strawn at some point in time?

A. Well, we didn't have a show during drilling through it, but when these sands and anything that we have in the Atoka are completely depleted, we would evaluate that kind of possibility, maybe trying to see if anything's there, although by logs there is no indication that the same reservoir is present.

MR. STAMETS: Do you have your perforations shown?

A. Yes, they're shown in red on the exhibit.

On the first well we drilled the neutron was showing zero porosity, and the density showing approximately 2 percent.

On this well here the neutron is showing approximately 4 percent porosity and 2 percent on the density.

Again, it wouldn't be too exciting just

looking at the log, but knowing what happened when we drilled through it is encouraging that we would find something.

Q. Mr. Lattu, referring to Exhibit Number
Two, would you please describe that exhibit?

A Exhibit Number Two is a geologic structure map. It is contoured on top of the Lower Morrow Sands.

In Exhibit Number One this would be the top of the C Sands.

It shows to the west a fairly strong structural nose moving down dip to the east to a structural low in Section 15, which was the Huskie well, and then a little structural pullout -- I haven't shown it as a closure but it could be -- is a small closure existing in Section 22.

I have a red circle drawn here, which I feel indicates the boundary of the Strawn reservoirs encountered in the Harvey

E. Yates Amoco 22-2. Since it was not -- no indication that the reservoir is present in the first well we drilled, I did not include that probably productive area of this reservoir.

The structure is fairly small so on the subsurface control.

- Q. Mr. Lattu, this is your estimate of the extent of the reservoir?
 - A. Yes, it is.
- Q And there is no control as such to the south and the southeast, is that correct?
- A. The nearest control point is down in Section 36, which is a dry hole drilled by Coquina and it --

the Strawn zone is not present there.

- Q. Mr. Lattu, to your knowledge was any natural gas produced in commercial quantities from this reservoir you've outlined prior to April 20th, 1977?
 - A. No, it was not.
- Q. Has this particular reservoir been penetrated by any old wells, and when I talk about old wells, I refer to spudded prior to February 19, 1977?
 - A No, it has not.
- Q Mr. Lattu, did you prepare Exhibits
 Numbers One and Two?
 - A. Yes, I did.

MR. STRAND: Mr. Examiner, I'd move the admission of Exhibits One and Two.

MR. STAMETS: These exhibits will be admitted in evidence.

MR. STRAND: I believe that's all I have.

CROSS EXAMINATION

BY MR. STAMETS:

Q. Mr. Lattu, looking at some of these closer wells on your Exhibit Number One, and looking at the dates the logs were run, it appears as though most of these are fairly recent wells. This one appears to have been, what,

1979?

- A. '78 or '79.
- Q And the Huskie well, which is the third well on the cross section, is an older well logged in '75, but you said it was plugged and abandoned.
 - A. Yes, it was.
- Q. And then the other well in Section 22, which you drilled, was completed in '79.
 - A. Yes, it was.
- Q So even if that had encountered this same reservoir, it would qualify as a new reservoir.
 - A. Yes, it would:
 - Q. If you had --
 - A If it was present.
 - Q. Okay.

Section -- now, it looks like the rest of these were all logged -- the earliest one I see here is September of '77.

- A. Yes. All these -- this has been the most recent development in this particular area of Eddy County, just in the last year or two.
- ${\tt Q}.$ So all of these wells were drilled after the NGPA dates.
- A. All the producing wells were, the exception being the dry hole which Huskie drilled in '75.

Q. All right.

MR. STAMETS: Are there other questions

of this witness? He may be excused.

Anything fu ther in this case?

MR. STRAND: No, Mr. Examiner.

MR. STAMETS: The case will be taken

under advisement.

(Hearing concluded.)

REPORTER'S CERTIFICATE

I, SALLY W. BOYD, a Certified Shorthand 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.

Snow W. Boyd C. J. E.
Sally W. Boyd, C.S.R.

I do hereby certify that the foregoing to a complete record of the proceedings in

Examiner

Oll Conservation Division

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Anything further in this case?

MR. STRAND: No, Mr. Examiner.

MR. STAMETS: The case will be taken

under advisement.

(Hearing concluded.)

REPORTER'S CERTIFICATE

I, SALLY W. BOYD, a Certified Shorthand 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 to a complete record of the proceedings in the Examiner hearing of Case No	n
, Exam	ner
Oil Conservation Division	



Other

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CUNSERVATION DIVISION

January 18, 1980

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

Mr. Robert H. Strand, Attorney Harvey E. Yates Company	Re: CASE NO. 6777 ORDER NO. R-6248 Applicant:
Roswell, New Mexico 88201	Harvey E. Yates Company
Dear Sir: Enclosed herewith are two condition order recently entered for the state of the state	pies of the above-referenced red in the subject case.
JDR/fd Copy of order also sent to: Hobbs OCD	

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. 6777 Order No. R-6248

APPLICATION OF HARVEY E. YATES COMPANY FOR AN NGPA DETERMINATION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on January 3, 1989, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 16th day of January, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

PIMDS:

- (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, Harvey E. Yates Company, seeks a determination by the Division, in accordance with Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission, that its Amoco 22 State Well No. 2, located in Unit G of Section 22, Township 23 South, Range 27 East, NMPM, Eddy County, New Mexico, has discovered a new onshore reservoir from which natural gas was not produced in commercial quantities before April 20, 1977.
- (3) That said well was completed in the Atoka formation with perforations from 10,971 to 11,094 feet, and a total depth of 12,370 feet.
- (4) That although there are several wells in the vicinity of the subject well which have penetrated the Atoka formation, available well logs do not show porosity or other indications of potential production in such wells.

-2-Case No. 6777 Order No. R-6248

- (5) That the only nearby well spudded before February 19, 1977, has never been successfully completed in any formation and has produced no gas from the Atoka formation.
- (6) That the combined well and well log data presented establishes that said Amoco 22 State Well No. 2 has been completed in a new onshore reservoir as defined by the provisions of Section 102 (c) of the Natural Gas Policy Act of 1978 and the applicable rules of the Pederal Energy Regulatory Commission.

IT IS THEREFORE ORDERED:

- (1) That the Harvey E. Yates Company Amoco 22 State Well No. 2, located in Unit G of Section 22, Township 23 South, Range 27 East, NMPM, Eddy County, New Mexico, is completed in a new onshore reservoir as defined by Sections 2 (6) and 102 (c) of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission.
- (2) That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

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

> STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY Director

fd/

HEYCO

PETROLEUM PRODUCERS



HARVEY E. YATES COMPANY

P. O. BOX 1933

SUITE 300, SECURITY NATIONAL BANK BUILDING

ulary 12, 1980

505/623-6601

ROSWELL, NEW MEXICO 88201

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

Attention: Mr. Richard Stamets

Re: Case #6777

NGPA Determination Amoco State 22 #2

Dear Mr. Stamets:

I am submitting the information contained in this letter as a supplement to the evidence submitted at the January 3, 1980 hearing of the above referenced case.

SANTA FE

The testimony of Mr. Andrew C. Lattu referred to the subject reservoir as a "Strawn" reservoir. We recognize that the Division has designated the Amoco 22 State #2 well as having been completed in the Atoka formation, as opposed to the Strawn formation. We therefore request that our testimony as to the Strawn reservoir be construed as referring to the producing reservoir, irregardless of the particular geological classificiations made by the Division, and Mr. Lattu.

Additionally, the following tabulation shows the spud dates of the wells from which Mr. Lattu utilized data in defining the extent of the producing reservoir:

Mesa - Marquess Com #1 11/06/77 660 FSL & 1980 FWL sec. 9, T-23S, R-27E

Gulf Eddy "GF" State #1 08/05/77 1980 FWL & 810 FNL

Sec. 16, T-23S, R-27E

Gulf Eddy "GF" #2 02/12/78

1980 FSL & 1980 FWL Sec. 16, T-23S, R-27E

Mobil "21" State #1 12/17/77

1980 FWL & 660 FNL Sec. 21, T 23C, R-27E Page 2 January 12, 1980 Mr. Richard Stamets

> Mobil "21" State #2 1980 FSL & 1980 FWL

06/10/78

sec. 21, T-23S, R-27E

Amoco "22" State #1

03/16/78

1980 FNL & 660 FWL Sec. 22, T-23S, R-27E

Husky "Forehand" #1 1980 FSL & 1980 FWL Sec. 15, T23S, R-27E 08/13/76

Cerro Com #1

08/20/78

760 FWL & 2080 FNL Sec. 11, T-23S, R-27E

If you have any questions, please advise.

Sincerely,

Robert H. Strand

Attorney

RHS/lh

NGPA-1 #14

HEYCO



HARVEY E. YATES COMPANY

PETROLEUM PRODUCERS

P. O. BOX 1933

SUITE 300, SECURITY NATIONAL BANK BUILDING

505/623-6601

ROSWELL, NEW MEXICO 88201

December 11, 1979

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

Attention: Mr. Dick Stamets

Case 6777

RE: NGPA Application
§102 New onshore Reservoir
§103 New onshore Production
Amoco 22 State #2 Well
E/2 Sec. 22, T-23S, R-27E

Eddy County, New Mexico

Dear Mr. Stamote:

Enclosed please find original and two copies of the above referenced applications. The $\S102$ New onshore Reservoir is to be considered our primary application, and the $\S103$ is to be considered an alternative application in the event the $\S102$ application is denied.

We have previously requested by telephone that the §102 application be set for examiner hearing on January 3, 1980. At that time we will present the geological exhibits relating to this application.

Sincerely,

Robert H. Strand

RHS/1h A #13

Enclosures

OIL CC SANTA FE PRISIONS

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FERC 121

1.0 API well number: (If not available, leave block = 14 depts,)	30-015-22917				
 Type of determination being sought (Use the codes found on the front of this form.) 	102 Section of ()	GPA	4 Catenory Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	-	11,094 feet			
 4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.) 5.0 Location of this well: {Complete (a} or {b}.} 	Harvey E. Name	N	ny 88201 late Zip Code	Seller Code	
(a) For onshore wells (35 letters maximum for field name.)	Field Name Fddy Count	Y	NM State		
(b) For OCS wells:	Area Name Unic of Lea		Block Number		
(a) Name and identification number of this welt: (35 letters and digits maximum.)	AMOCO 22 S	STATE 2			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	None			-	
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Llano, Inc. Name Buyer Code				
(b) Date of the contract:		0 4 1 9 7 Mo. Day	ु Yr.		
(c) Estimated annual production:		364	MMcf.		
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	
7.0 Contract price: {As of filing date. Complete to 3 decimal places.}	2.268	1 3 3		2.401	
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2 2 6 8	1 3 3		2.401	
9.0 Person responsible for this application: Agency Use Only Date Received by Juris, Agency	George M. Name	Yates	Vice Pre	esident	
Date Received by FERC	Date Application is Georgies	10-70 11 1 51	15 <u>/ 624~6601</u> Phone Number		

APPLICATION PURSUANT TO SECTION 102(c)(1)(C) OF THE NATURAL GAS POLICY ACT OF 1978 (NGPA)

Well: AMOCO 22 STATE 2 API No.: 30-015-22917

AFFIDAVIT

STATE OF NEW MEXICO COUNTY OF Eddy

BEFORE ME, the undersigned authority, duly commissioned and qualified within and for the State and County aforesaid, personally came and appeared GEORGE M. YATFS, who, being by me first duly sworn, deposed and said:

That he is the Vice President of HARVEY E. YATES COMPANY the applicant for the well as described heretofore in this application, and, in that capacity, he is requesting the appropriate Jurisdictional Agency to determine the eligibility of said well for wellhead pricing purposes pursuant to the rules and regulations of said Jurisdictional Agency and the Federal Energy Regulatory Commission and pursuant to the NGPA.

That this application is made pursuant to 18 CFR 274.202 (d).

That prior to drilling said well, he caused to be made/prepared pursuant to his instructions:

- (a) diligent examination of:
 - (1) the real property records maintained in the county where said well is situated.
 - (2) commercially produced ownership and well location maps maintained currently in applicant's office.
 - (3) commercially produced well completion records covering the applicable area and maintained currently in applicant's office.
- (b) a title opinion covering the proposed proration unit prepared by an attorney experienced in oil and gas title examination, based on commercially prepared abstracts covering the county records and where applicable, the records of the appropriate State or Federal Land Management Agency. Said abstracts and title opinions are located in applicant's office.
- (c) application to drill said well with the appropriate governmental agency. Said application was duly approved and copies are on file in applicant's office.

That during the drilling of said well, he caused to be made/ prepared pursuant to his instructions:

- (a) a daily drilling log, copies of which are on file in applicant's office. The portion of said log showing the date said well was spudded is attached hereto.
- (b) a directional drilling survey or deviation survey, copies of which are on file in applicant's office and a copy of said survey is attached hereto.

That subsequent to completion of said well, he caused to be made/prepared pursuant to his instructions:

- (a) diligent examination of:
 - (1) production records compiled by the appropriate state agency. Copies of said records are on file in applicant's office and the offices of said agency.
 - (2) examination of royalty and severance tax records to the extent they were examined during the title opinion process referred to above.
- (b) a completion report which was filed with the appropriate governmental agency. Copies are on file in applicant's office and the offices of said agency, and a copy is attached hereto.
- (c) a well location and acreage dedication plat dedicating the subject proration unit and filed with the appropriate governmental agency. Said dedication is on file in applicant's office and the offices of said agency and a copy is attached hereto.
- (d) a title opinion for division order purposes by an attorney experienced in oil and gas title examination utilizing abstracts as described above.
- (e) monthly report of operations and production which have been filed with the appropriate governmental agency. A copy of the report showing first commercial production from the subject reservoir is attached hereto.

That he has also caused to be prepared pursuant to his instructions:

(a) location plat which locates and identifies the subject well and other wells, data from which is utilized to support this application. Copies of said location plat.

(b) a summary of geological data supporting this application including the following to the extent reasonably available:

Well log section defining the top and bottom reservoir

Bottom-hole or Surface Pressure Surveys

Well Potential Tests

Formation Structure Map

Subsurface Cross-Section Chart

Gas Analysis

That the above described are the only records and data reasonably available to Applicant, and there are no other public records maintained which are relevant to this application.

That, to the best of his knowledge, information, and belief and on the basis of the results of the search and examination, he answers the following questions:

- (2) Was the reservoir penetrated before April 20, 1979, by an old well from which natural gas or crude oil was produced in commercial quantities from any reservoir: Answer: NO
- (3) In the event the answer to (2) immediately above is in the affirmative, state if natural gas could have been produced in commercial quantities from the reservoir before April 20, 1977, from any old well described in said question (2). Answer: N/A
- (4) If the natural gas is to be produced through an old well, were suitable facilities for the production and delivery to a pipeline of such natural gas in existence on April 20, 1979? Answer: ______N/A

That based upon the search and examination described above, he has concluded that to the best of his information and knowledge, that there is substantial evidence to support a determination that the gas to be produced and for which he seeks a determination is from a new onshore reservoir, and that he has no knowledge of any other information not described in the application which is inconsistent with this conclusion.

He further states that he has mailed, or caused to be mailed, postage prepaid, copies of the completed Form FERC 121, Application for Determination of the Maximum Lawful price Under the Natural Gas policy Act, to the purchaser(s) and to the co-lessee(s) and/or working interest owners, which are listed separately.

That to the best of his knowledge and belief, all information contained in this application for category determination, pursuant to the NGPA, is true and correct including all documents, testimony, and evidence submitted with the application.

Signed

George M. Yates Vice President

My Commission Expires:

March 26, 1983

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My Commission Expires 3/26/83

INDEX OF EXHIBITS

- 1. Application to Drill
- Daily Drilling Log (Reservoir Penetration)
- 3. Directional Drilling Survey and/or Deviation Survey
- 4. Completion Report
- 5. Well Location and Acreage Dedication Plat
- 6. Operations and Production Report
 (First Commercial Production From Reservoir)
- 7. Well Location Plat (Reservoir Definition)
- 8. Geological Data
 Well Log Sections
 Pressure Surveys
 Well Potential Tests
 Structure Map
 Cross-Section
 Gas Analysis Data
- List of Co-Lessees, Working Interest Onwers, and Gas Purchasers

APPLICATION TO DRILL

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Title Engineer

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Approved by MAY 11 1979

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DAILY DRILLING LOG (RESERVOIR PENETRATION)

HARVEY E. YATES COMPANY AMOCO STATE "22" #2

1980' FNL & 1980' FEL, Sec. 22, T-23S, R-27E, Eddy County, N. M.

- 7/20/79 Depth-10,765'; formation-1i and sh; drlg w/brine water; 375' of progress. Totco: 2° @ 10,416'. Mud wgt-9.9#; vis-29; pH-9 chl-178,000 ppm; 1 1/2% solids. Bit #6: FP-63, in @ 9813', has made 952' in 73 hrs. 23 1/2 hrs-drlg; 1/2 hr-totco.
- 7/21/79 Depth-11,011' circulating and mixing mud; formation-li and sh; 246' of progress; brine water in hole. Totco: 2° @ 10,877'. 14 hrs-drlg; 3/4 hr-totco; 1/4 hr-service rig; 9 hrs-circulating samples, displacing w/10# brine and starting to mud up.
- 7/22/79 Depth-11,011' circulating and conditioning mud; formationli and sh. Mud wgt-11#; vis-38; WL-32; KC1-6%. 24 hrscirculating and conditioning mud.
- 7/23/79 Depth-11,011' circulating through chokes. Mud wgt-10.8#; vis-37; WL-25; KC1-4%. 2 1/2 hrs-trips; 21 1/2 hrs-circulating and mixing mud.
- 7/24/79 Depth-11,150'; formation-li and ch; drlg w/6' to 12' gas flare; 139' of progress. Mud wgt-10.7#; Vis-32; WL-30; KCL-4%. 16 3/4 hrs-drlg; 2 3/4 hrs-trip; 4 1/2 hrs-circulating gas out of hole.
- 7/25/79 Depth-11,240; formation-li and sh; 90' of progress.
 Totco: 1 1/2° @ 11,011'. Mud wg+ 10.5#; Vis-33; WL-29;
 KCl-4%. 12 hrs-drlg; 7 1/2 hrs-trip; 1/4 hr-service rig;
 3 3/4 hrs-circulating gas out of hole; 1/2 hr-repair.
- 7/26/79 Depth-11,350'; formation-sh; 110' of progress. Mud wgt-10.5#; Vis-33; WL-13; KC1 4%. 22 1/2 hrs-drlg; 1/4 hrs-service rig; 1 1/4 hrs-cleaning pits.
- 7/27/79 Depth-11,537'; formation-11 and sh; 187' of progress.

 Mud wgt-10.6#; Vis-33; WL-30; KC1-4%. 23 3/4 hrs-drlg;
 1/4 hr-service rig.
- 7/28/79 Depth-11,715'; formation-li and sh; 178' of progress.

 Mud wgt-10.4#; vis-34; WL-10; KC1-4%. 22 3/4 hrs-drlg;

 1/4 hr-service rig; 1 hr-cleaning pit.
- 7/29/79 Depth-11,815'; formation-li and sh; 100' of progress.

 Mud wgt-10.4#; vis-33; WL-5.8; KC1-4%. 16 3/4 hrs
 drlg; 1/2 hr-trip; 1/4 hr-service rig; 4 3/4 hrs-circulating; 1 3/4 hrs-repair.
- 7/30/79 Depth-11,850'; formation-11 and sh; 35' of progress. Mud wgt-10.4#; vis-34; WL-9; KC1-4%. Totco: 1 1/4° @ 11,841'. 10 3/4 hrs-drlg; 7 1/2 hrs-trlp; 1/4 hrs-service rig; 4 1/2 hrs circulating gas off bottom; 1 hrc-cutting drlg line.

DIRECTIONAL DRILLING SURVEY and/or DEVIATION SURVEY

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COMPLETION REPORT

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WELL LOCATION and ACREAGE DEDICATION PLAT

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OPERATIONS AND PRODUCTION REPORT
(First Commercial Production From Reservoir)

No production as of date of this application

WELL LOCATION PLAT (RESERVOIR DEFINITION)

(Will be presented at Examiner Hearing)

GEOLOGICAL DATA

WELL LOG SECTIONS

PRESSURE

SURVEYS

WELL POTENTIAL TESTS

STRUCTURE MAP

CROSS-SECTION

GAS ANALYSIS DATA

(Will be presented at Examiner Hearing)

LIST OF CO-LESSEES, WORKING INTEREST OWNERS,
AND GAS PURCHASERS

AMOCO 22 STATE #2 WORKING INTEREST OWNERS

Amoco Production Company P. O. Box 68 Hobbs, New Mexico 88240 ATTN: Bill Magness

Harvard & LeMay Exploration, Ltd. P. O. Box 936
Roswell, New Mexico 88201

Mountain States Petroleum P. O. Box 1936 Roswell, New Mexico 88201

Read & Stevens, Inc. P. O. Box 1518 Roswell, New Mexico 88201

Clem E. George 501 C & K Petroleum Building Midland, Texas 79701

Bill J. Graham P. O. Box 5321 Midland, Texas 79701

Maurice Hobson P. O. Drawer 638 Alamogordo, New Mexico 88310

Coronado Exploration Corporation 1007 Marquette NW Albuquerque, New Mexico 87102

Lingen Exploration, Inc. 1177 West Loop South Suite 1410 Houston, Texas 77027 Harvey E. Yates Company P. O. Box 1933 Roswell, New Mexico 88201

Fred G. Yates
P. O. Box 1933
Roswell, New Mexico 88201

George M. Yates P. O. Box 1933 Roswell, New Mexico 88201

Harvey E. Yates
P. O. Box 1933
Roswell, New Mexico 88201

GAS PURCHASER

Llano, Inc. P. O. Drawer 1320 Hobbs, New Mexico 88240

Memo

From

R. L. STAMETS Technical Support Chief

To Harvey & Yeter Amoco 22 5 tote 8998

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	P. O. Box 193	3, Roswell, N. M. 8	6201		
	Recson(s) for filing (Check proper box	1	Other (Piease explain)		
	New Well X	Change in Transportar el: OII Dry Go			
	Change in Ownership	Castaghead Cas Conde	neate 🗍		
	If change of ownership give name and address of previous owner				
11.	DESCRIPTION OF WELL AND	1.FASF	ornation Kind of Lease	• [eass :):	
	Amoco 22 State	2 Wildcat At	oka State, Federa	, -	
	Unit Letter G : 19	80 Feet From The North Lin	no and 1980 Feet From :	rh. East	
	Line of Section 22 To-	-mahtp 23S Range	27E , NMPM, Eddy	County	
111.		TER OF OIL AND NATURAL GA			
	Rane of Authorized Transporter of Cit		Address (Give address to which approv		
	Name of Authorized Transporter of Cos Llang, Inc.	singhead Gas 🗀 or Cry Gos 🛣	P. O. Box 1320, Hobb	· · · · · · · · · · · · · · · · · · ·	
	If well produces oil or liquide, give location of tanks.	Unit Sec. Twp. Rge. G 22 235 27E	is gas octually connected? Whe		
IV.	If this production is commingled with CONFLETION DATA	th that from any other lesse or pool,	give commingling order number:		
	Designate Type of Completion		Now Well Workswer Deepen	Plug Book Same Rests Dist. Res	
	Date Spudded 6-20-79	Date Compl. Heady to Prod. 10-27-79	Total Desth 12,370	CIBP at 11,140'	
	Elevations (OF, RKB, ET, GR, etc., 3147.8 GL	Yome of Producing Formation	Top Oil/Grs Poy	Tubing Depth 10,946'	
	Perforations 10,971' - 11,094'	Atoka	1.10.97	Depth Cusing Shoe	
	10,571 11,054	TUBING, CASING, AND	D CEMENTING RECORD	<u></u>	
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT	
	17 1/2"	13 3/8"	375	350 Sx	
	11" 7 7/0"	8 5/8" 5 1/2"	1 5609'	2080 3x - 2 Stages 1375 5x - 2 Stages	
			1	i conges	
V.	TEST DATA AND REQUEST FO	able for this de	ifer recovery of ectal valume of Isad ail i rock or be for full 24 hours;		
	Date First New Oli Hun To Tonks	Date of Tens	Fredweing kinthes (Flow, pump, gas is)	(c, etc.)	
	Longth of Test	Tuaing Pressure	Cosing Pressure	Chehe Size	
	Actual Pred, During Test	Oil-Bble.	Water-Bhis.	Gos-MCF	
,	Satimate 240	LE MCDD			
. 1	GAS WELL Estimate 349	Lergin of Task	Bbis. Condensate Att F	Gravity of Condensate	
	437	3 Hours	0		
	Testing Method (picat, back pr.)	Tubing Pressure (shat-12) 5320	Casing Presture (Shut-In)	3/4 ⁿ	
γı.	CERTIFICATE OF COMPLIANC	30	OIL CONSERVAT	-	
:	I I hereby certify that the rules and regulations of the Oil Conservation APPROVED DEC 27 1979				
,	i hereby certify that the rules and r illuining have been complied with shows is true and complete to the	and that the information given	or W. C. Gressett		
		İ	TITLE SUPERVISOR, DIST		
٠.	Dr. 116.		This form is to be filed in a	compliance with NULE 3144.	
	facus fat		II It is to be a common to be a constitute	reble for a newly drilled or deepen- nied by a tabulation of the deviation	
	Vice Presiden	t	If tests taken on the well in accor	dance with MULE 111. at he filled out completely for wile.	
	11.0	[4]	li able on new and recompleted we	114.	
٠.	December 19,		well trains at training, in transferit	. III, and VI for changes of course, on or other such thereign of comfitte	
Ţ			Separata Forma C-104 musi	the filed for each pool in molth	

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100000000000000000000000000000000000000	AUTHARIZATION TO TRANSPORT	FOIL AND NATURAL GAS	Avica A. Carret
greature orest a	1 1 No.		
D4 ** ** ** ** ** **	Company		
Harvey E. Yates		•	
P. O. Box 1933,	Roswell, N. M. 8820	Other (Picase explain)	
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and address of previous owner			Lease Pa
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Line of Section 22 Towns	thip 23S		
111. DESIGNATION OF TRANSPORTE	OR OF OIL AND NATURAL GAS	Address (Give address to which approve	copy of this form is to be sent)
III. DESIGNATION OF TRANSPORTE OF CHI	ct Condensate	Vadiata four annual	- Control of the season
• • • • • • • • • • • • • • • • • • •		Address (Give address to which asprove	d copy of this form is to be
Name of Authorized Transporter of Cast.	nghead Cas C	O Box 1320. Hobbs	N. M. 0074V
i mano. Inc.	Unit Sec. Twp. Rge.	Is gas actually connected:	12-20-79
1100150	1 0001 275	yes	
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If this production is commingled with	Oil Well Gas Well	New Well Workover Deepen	Pive Back Same Ples 1.
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V. TEST DATA AND REQUEST I	OR ALLOWABLE for this o	effect recovery of full 24 hours) [Producing Method (Flow, pump, 40)	lift, etc.)
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Testing Method (puot, back pr.)	5320	OIL CONICERI	ATION DIVISION
an count to	ANCE	DEC 27	1979
VI. CERTIFICATE OF COMPLIA		APPROVED UEU ZI	10.0
	nd regulations of the Oil Conservation in and that the information given the only the one because and beli-		resser
1 Division have been complied to	nd regulations of the Crit consistent given with and that the information given the best of my knowledge and beli-	SUPERVISOR, I	STRICT II
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On 116	_	3f this is a request for	allowable for a newly drilled of the deviation of the situation of the sit
June 1	Signorial	feets taken on the	must be filled out completely to
Vice Presi	dent	Ali est tions of this its	al prelie.
	(1.00)		
December 1	9, 1979	well name of figure C-104	must be filed for each pool in multi-
-	(field)	enentileted wells.	

Docket No. 1-80

Dockets Nos. 2-80 and 3-80 are tentatively set for January 16 and 30, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - THURSDAY - JANUARY 3, 1980

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 6770: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit National Petroleum Company and all other interested parties to appear and show cause why its Well No. 1 located 905 feet from the North line and 1155 feet from the West line of Section 22, Township 29 North, Range II West, San Juan County, New Mexico, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 6786: In the matter of the hearing called by the Oil Conservation Division on its own motion to consider the amendment of its administrative procedure for the approval of infill drilling on existing gas proration units as promulgated by Order No. R-6013 to permit the approval of infill wells as new onshore production wells pursuant to the Natural Gas Policy Act of 1978 without notice and hearing even though such wells have been spudded prior to receiving such approval.
- Application of Getty Oil Company for a non-standard gas proration unit, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard gas proration unit comprising the E/2 SW/4 of Section 31, Township 24 South, Range 37 East, and the NW/4 NE/4 and NE/4 NW/4 of Section 6, Township 25 South, Range 37 East, Jalmat Gas Pool, to be dedicated to a well to be drilled at a standard location thereon.
- CASE 6772: Application of Reading & Bates Petroleum Co. for compulsory pooling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the SE/4 of Section 17, Township 24 North, Range 3 West, Chacon-Dakota Pool, 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 Southland Royalty Company for compulsory pooling, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the E/2 of Section 20, Township 19 South, Range 27 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- CASE 6774: Application of Doyle Martman for an unorthodox location, non-standard proration unit, and approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 120-acre non-standard proration unit comprising the NW/4 NW/4 of Section 6, Township 25 South, Range 37 East, and the W/2 SW/4 of Section 31, Township 24 South, Range 37 East, to be dedicated to his Federal Jalmat Com Well No. 1 at an unorthodox location 590 feet from the North line and 660 feet from the West line of said Section 6; applicant further seeks a finding that the drilling of said well is necessary to effectively and efficiently drain that portion of an existing proration unit which cannot be so drained by the existing well.
- CASE 6768: (Continued and Readvertised)

Application of Alpha Twenty-One Production Company for two non-standard gas proration units, compulsory pooling, unorthodox well location, and approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 40-acre non-standard gas proration unit comprising the SN/4 SE/4 of Section 21, Township 24 South, Renge 37 East, Jalmat Gas Pool, to be dedicated to the El Paso Natural Gas Company Shell Black Well No. 2. Applicant also seeks an order pooling all mineral interests in the Jalmat Gas Pool underlying the E/2 SW/4 and NW/4 SE/4 of said Section 21 to form a 120-acre non-standard gas proration unit to be dedicated to a well to be drilled at an unorthodox location 990 feet from the South line and 1650 feet from the West line of said Section 21. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operation of the well and a charge for Tisk involved in drilling said well. Applicant further seeks a finding that the drilling of said well is necessary to effectively and efficiently drain that portion of the existing proration unit which cannot be so drained by the existing well.

CASE 6767: (Continued from December 12, 1979, Examiner Hearing)

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

CASE 6487: (Continued from October 17, 1979, Examiner Hearing)

Application of El Paso Natural Gas Company for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well-spacing requirements and a finding that the drilling of its Shell E State Com Well No. 2 located in Unit N of Section 6, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.

CASE 6732: (Continued from November 28, 1979, Examiner Hearing)

Application of Dorchester Exploration, Inc. for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Morton Solid State Unit Well No. 1 located 2156 feet from the North line and 990 feet from the West line of Section 4, Township 15 South, Range 34 East, Tree Papalotes-Pennsylvanian Pool.

- CASE 6775: Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the Young Deep Unit Area, comprising 2242 acres, more or less, of Federal lands in Township 18 South, Range 32 East.
- CASE 6776: Application of Harvey E. Yates Company for an unorthodox gas well location, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Young Deep
 Unit Well No. 1, a Morrow test to be drilled 660 feet from the North and West lines of Section 10,
 Township 18 South, Range 32 East, the W/2 of said Section 10 to be dedicated to the well.
- CASE 6777: Application of Harvey E. Yates Company for an NGPA determination, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its Amoco
 22 State Well No. 2 located in Unit G of Section 22, Township 23 South, Range 27 East.
- CASE 6778: Application of Harvey E. Yates Company for an NGPA determination, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its Loco Hills Welch Well No. 2 located in Unit N of Section 4, Township 18 South, Range 29 Fast.
- CASE 6745: (Continued from November 28, 1979, Examiner Hearing)

Application of Harvey E. Yates Company for compulsory pooling. Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Pennsylvanian formations underlying the W/2 of Section 28, Township 23 South, Range 24 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

- CASE 6779: Application of Yates Petroleum Corporation for a unit agreement, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the Pronghorn Unit Area, comprising 5,120 acres, more or less, of State and Ecderal lands in Townships 22 and 23 South, Range 33 East.
- CASE 6780: Application of Yates Petroleum Corporation for a unit agreement, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the Serpentine Bends Unit Area, comprising 4,802 acres, more or less, of State and Federal lands in Township 24 South, Ranges 23 and 24 East.
- CASE 6781: Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Morrow test well to be drilled 660 feet from the South line and 1980 feet from the East line of Section 1, Township 20 South, Range 28 East, the E/2 of said Section 1 to be dedicated to the well.

- CASE 6782: Application of Inexco Oil Company for an exception to Order No. R-3221, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks an exception to Order No. R-3221 to permit disposal of produced brine into an unlined surface pit located in Unit N of Section 7, Township 19 South, Range 33 East.
- CASE 6783: Application of McClellan Oil Corporation for an unorthodox oil well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Marlisue State Well No. 6 located 1155 feet from the North line and 2475 feet from the West line of Section 24, Township 14 South, Range 29 East, Double "L"-Queen Associated Pool, the NE/4 NW/4 of said Section 24 to be dedicated to the well.
- CASE 6784: Application of Morrion & Bayless for a non-standard proration unit and an unorthodox gas well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 640-acre non-standard gas proration unit comprising the W/2 of Section 18 and the W/2 of Section 19, Township 32 North, Range 14 West, Barker Creek-Paradox Pool, to be dedicated to its Ute Well No. 7 at an unorthodox location 1685 fort from the South line and 3335 foot from the East line of said Section 19

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

Application of The Harlow Corporation for compulsory pooling, Chaves County, New Mexico.

Applicant, in the above-styled cause, socks and older pooling all mineral interests in the San Andres formation underlying the SW/4 SW/4 of Section 18, Township 8 South, Range 29 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.

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HES BEXICO OIL COMBINATION DAVIST M P. O. box 2000, Manta Fe, New York of 37501

Case 6777

1. FOR DIVISION USE ONLY DETERMINATION CONTESTED PARTICIPANTS Amoco 22 State 1. FOR DIVISION USE ONLY L-711 Amoco 22 State 1. FOR DIVISION USE ONLY L-711 Amoco 22 State 1. FOR DIVISION USE ONLY L-711
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Harvey E. Yates Company Amoco 22 State
P. O. Box 1933, Roswell, New Mexico 88201
1. of Box 1755, Robbett, New Hexter Gozof
Morrow North 1980 Her thought North 1980 Her these
East Une Section 22 238 AANGE 275
11 Name and Address of Stransporter(s)
Llano, Inc., P. O. Drawer 1320, Hobbs, New Mexico 88240
WELL CATEGORY INFORMATION
Check appropriate box for category sought and information submitted.
1. Category(ies) Sought (By NGPA Section No.) 103
2. All Applications must contain:
a. C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK
b. C-105 Well COMPLETION OR RECOMPLETION REPORT
c. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111
X d. AFFIDAVITS OF MAILING OR DELIVERY
3. NEW NATURAL GAS UNDER SEC. 102(c)(1)(B) (using 2.5 Mile or 1000 Feet Deeper Test)
·
a. Location Plat
4. NEW NATURAL GAS UNDER SEC. 102(c)(1)(C) (new onshore reservoir)
a. C-122 Multipoint and one point back pressure test
5. NEW ONSHORE PRODUCTION WELL
X a. C-102 WELL LOCATION AND ACREAGE DEDICATION PLAT
b. No. of order authorizing infill program
6. STRIPPER GAS
a. C-116 GAS-OIL RATIO TEST
b. PRODUCTION CURVE FOR 12-MONTH PERIOD
c. PRODUCTION CURVE FOR THE 90-DAY PERIOD ON WHICH THE APPLICATION IS BASED
I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND COMPLETE TO THE PEST OF MY KNOWLEDGE AND BELIEF. DIVISION USE ONLY
George M. Yates
NAME OF APPLICANT (Type or Print) Disapproved
Title Vice President The information contained herein include
Signed all of the information required to be filed by the applicant under Subpart B of Part 274.
EXAMENER

FERC-121

1.0 API well number: ff not available, (eave blank, 14 digits.)	30-015-22917			
2.0 Type of determination tieng sought (Use the codes found on the front of this form)	103 Section of NGPA ——Company Code			
3.0 Depth of the deepest completion location. (Only needed if sections 103 or 107 in 2,0 above.)	11,094 fret			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	HARVEY E. YATES COMPANY	Seiler Code		
5.0 Location of this well. (Complete (a) or (b).) (a) For anshore wells (35 letter accelerate for field name.)	None Field Name Eddy County NM County State			
(b) For OCS wells.	Area Name Block Number Date of Lease L I I I I I I I I I I I I I I I I I I			
(c) Name and identification number of this well: (35 letters and digits maximum.)	AMOCO 22 STATE 2			
(d) If code 4 or 5 in 2,0 above, name of the reservoir: (35 letters maximum.)	None			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Llano, Inc.	Buver Code		
(b) Date of the contract.	0 14 1 19 17 19 1 Mo. Day Yr.			
(c) Estimated annual production:	364MMcf.			
		(d) Total of (a), (b) and (c)		
7.0 Contract prices (As of filling dath: Computation) decimal places.)	2.113133	2.246		
8.0 Maximum lawful rate 3 (As of filing date. Complete to 3 decimal places)	2.113133	2.240		
9.0 Person responsible Act TAS problection On Agency Use Only Date Received by Juris, Agency Date Received by FERC	Name Vice Presi	.dent		
TOOL TOOL TOOL OF THE TOOL TOOL TOOL TOOL TOOL TOOL TOOL TOO	1 100 Company (1977) 505-623-6601	-		

i-17900806.22

APPLICATION PURSUANT TO SECTION 103(c) OF THE NATURAL GAS POLICY ACT OF 1978 (NGPA)

Well: AMOCO 22 State 2 API No: 30-015-22917

AFFIDAVIT

STATE OF NEW MEXICO COUNTY OF EDDY

BEFORE ME, the undersigned authority, duly commissioned and qualified within and for the State and County aforesaid, personally came and appeared GEORGE M. YATES, who, being by me first duly sworn, deposed and said:

That he is the Vice President of HARVEY E. YATES COMPANY, the applicant for the well as described heretofore in this application, and, in that capacity, he is requesting the appropriate Jurisdictional Agency to determine the eligibility of said well for wellhead pricing purposes pursuant to the rules and regulations of said agency and the Federal Energy Regulatory Commission and pursuant to the NGPA.

That this application is made pursuant to 18 CFR 274.204 (a)-(f).

That to the best of his information and knowledge;

- (a) The surface drilling of the well for which he seeks a determination was begun on or after February 19, 1977.
- (b) The well satisfies any applicable Federal or State well-spacing requirements.
- (c) The well is not within a proration unit:
 - (1) Which was in existence at the time the surface drilling of the well began; and
 - (2) Which was applicable to the reservoir from which natural gas is produced; and
 - (3) Which applied to any other well which either produced natural gas in commercial quantities or the surface drilling of which began after February 18, 1977, and was thereafter capable of producing natural gas in commercial quantities.

That he has concluded to the best of his information and knowledge that there is substantial evidence to support a determination that the natural gas produced from said well is produced from a new onshore production well as defined in the NGPA; and that he has no knowledge of any other information not described in the application which is inconsistent with this conclusion.

That he has mailed, or caused to be mailed, postage prepaid, copies of the completed Form FERC 121, Application for Determination of the Maximum lawful Price Under the Natural Gas Policy Act, and any jurisdictional agency supplemental application form to the Purchaser(s) and to the co-lessee(s) and/or working interest owners, which are listed separately.

That to the best of his knowledge and belief, all information contained in this application for category determination, purusant to the NGPA, is true and correct including all documents, testimony, and evidence submitted with the application.

Signed

George M. Yates Vice President

Subscribed in my presence and duly sworn to before me, this // day of //ecember , 1979.

My Commission expires:

March 26, 1983

Notary Public

1000 Carlen 11

ROTARY FULLO - NEW MERCO N HARY EDITIES ON WER SECRETARY OF STATE

My Commission Expires 3/26/83

INDEX OF EXHIBITS

- 1. Application to Drill
- 2. Completion Report
- 3. Well Location and Acreage Dedication Plat
- 4. Well Location Plat (Proration Unit)
- List of Co-Lessees, Working Interest Owners and Gas Purchaser

APPLICATION TO DRILL

U.S. DEPARTMENT OF ENERGY

Frideral Freigy Regulatory Commission Washington, D.C., 20426

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA) (Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse ade of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate harisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination

Section of NGPA	Category Code	Description
102	1	New OCS Lease
102	2	Nesv orishore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103		New onshore production well
107		High cost natural gas
108		Stor per well

Other Purchasers Contracts

Other Purchasers Gr	infrats.	
Contract Date (Mo. Oay Yr.)	Purchaser	Buyer Code
# yes provided against relief designations and		
Remarks:		

NEW MEXICO OIL CONSERVATION COMMISSION	DE Cos de provincia
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D. D. D. ARTESIA, OFFICE	E 711
Afrancation for Permit to Drill, Deepen, or Plug Back	7. Unit Agreement force
DEEPEN DEEPEN PLUG BACK	8, Yaro or Leage Service
OTHER SINGLE MULTIPLE ZONE	Amoco 22 State
Harvey H. Yates Company /	2
F. O. Box 1933, Roswell, N.M. 88201	/ Und. So. Carlol
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SUPERVISOR, DISTRICT II

MAY 1 1 1979

COMPLETION REPORT

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NEW MEXICO OIL CONSERVATION COMMISSION INTATATE WELL COMPLETION OR RECOMPLETION REPORT AND LOG	L-711
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INSTRUCTIONS

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WELL LOCATION AND ACREAGE DEDICATION PLAT

W MEXICOCAL COMMENSATION FORM 1944. WELL LOCATION AND ACREAGE DEDICATION PLAT

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WELL LOCATION PLAT (PRORATION UNIT)

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AMOCO 22 STATE #2 Well 1980 FNL and 1980 FEL Sec. 22, T-23S, R-27E

Proration Unit Assigned to the Amoco 22 State #2 Well

LIST OF CO-LESSEES, WORKING INTEREST ONWERS AND GAS PURCHASER

AMOCO 22 STATE #2 WORKING INTEREST OWNERS

Amoco Production Company P. O. Box 68 Hobbs, New Mexico 88240 ATTN: Bill Magness

Harvard & LeMay Exploration, Ltd. P. O. Box 936
Roswell, New Mexico 88201

Mountain States Petroleum P. O. Box 1936 Roswell, New Mexico 88201

Read & Stevens, Inc.
P. O. Box 1518
Roswell, New Mexico 88201

Clem E. George 501 C & K Petroleum Building Midland, Texas 79701

Bill J. Graham
P. O. Box 5321
Hidland, Tevas 79701

Maurice Hobson P. O. Drawer 638 Alamogordo, New Mexico 88310

Coronado Exploration Corporation 1007 Marquette NW Albuquerque, New Mexico 87102

Lingen Exploration, Inc. 1177 West Loop South Suite 1410 Houston, Texas 77027 Harvey E. Yates Company P. O. Box 1933 Roswell, New Mexico 88201

Fred G. Yates
P. O. Box 1933
Roswell, New Mexico 88201

George M. Yates P. O. Box 1933 Roswell, New Mexico 88201

Harvey E. Yates
P. O. Box 1933
Roswell, New Mexico 88201

GAS PURCHASER

Llano, Inc. P. O. Drawer 1320 Hobbs, New Mexico 88240

NEW BEXTCO OIL COMMENTATION DIVIDION P. O. Now 2008, Santa Pe, New York of 19501

1. FOR DIVISION USE ONLY DATE OF: APPLICATION L-711	
DATE OF: APPLICATION L-711	
NAME OF THE PROPERTY OF THE PR	2
DETERMINATION	
CONTESTED	. M. M.
PARTICIPANTS + of Circuit (
Harvey E. Yates Company Amoco 22 State	•
P. O. Box 1933, Roswell, New Mexico 88201	
Und. So. Carls Morrow	
East 22 CONSMIT 23S 27E	
1). Name and Address of Transporter(s) Eddy	
traito, Inc., P. U. Drawer 1520, Hobbs, New Mexico 60240	****
WELL CATEGORY INFORMATION	
Check appropriate box for category sought and information submitted.	
1. Category(ies) Sought (By NGPA Section No.) 103 2. All Applications must contain:	
a. C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK	
b. C-105 WELL COMPLETION OR RECOMPLETION REPORT	
c. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111	
d. AFFIDAVITS OF MAILING OR DELIVERY	
3. NEW NATURAL GAS UNDER SEC. 102(c)(1)(B) (using 2.5 Mile or 1000 Feet Deeper Test)	
a. Location Plat	
4. NEW NATURAL GAS UNDER SEC. 102(c)(1)(C) (new onshore reservoir)	
a. C-122 Multipoint and one point back pressure test	
5. NEW ONSHORE PRODUCTION WELL	
X a. C-102 WELL LOCATION AND ACREAGE DEDICATION PLAT	
b. No. of order authorizing infill program	
6. STRIPPER GAS	
a. C-116 GAS-OIL RATIO TEST	
b. PRODUCTION CURVE FOR 12-MONTH PERIOD	
. PRODUCTION CURVE FOR THE 90-DAY PERIOD ON WHICH THE APPLICATION IS BASED	
I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.	
George M. Yates	*
NAME OF APPLICANT (Type or Print) Disapproved	
Title Vice President The information contained herein in	ncludes
Date Describe: 11, 1979 all of the information required to filed by the applicant under Subpar	be
Signed of Part 274.	
EXAMINER	

FERC-121

1.0 API well number. Of not available, feave blank, 14 dapts.)	30-015-22917				
2.0 Type of determination being sought. Use the codes found on the front of this form.)	103 Section of NGPA Consuly Code				
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	11,094 test				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, teave blank.)	HARVEY E. YATES COMPANY Notice P. O. Box 1933 Street Roswell, NM 88201 City State Zip Code	Softer Ceylo			
5.0 Location of this well. (Complete fa) or (b).] (a) For orishore wells (35 letters miximum for field name.)	None Field Name Eddy County NM County State				
(b) For OCS wells:	Area Name Block Number				
(c) Name and identification number of this well: (35 letters and digits maximum.)	AMOCO 22 STATE 2				
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	None				
6.0 (a) Name and code number of the purchaser: (35 latters and digits maximum. If code number not available, leave blank.)	Llano, Inc.	Ruyer Code			
(b) Date of the contract	0 ₁ 4 ₁ 1 ₁ 9 ₁ 7 ₁ 9 ₁ Mo. Day Yr.				
(c) Estimated annual production:	364MMet.				
	(a) Base Price (b) Tax (c) All Other Prices (Indicate (ii) or (-).)	(d) Total of (a), (b) and (c)			
7.0 Contract price: {As of filing date. Complete to 3 decimal places.}	2.113133	2.246			
B.O. Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.1 1 3 3 3	2.246			
9.0 Person responsible for this application Agency Use Only Date Received by Juris, Agency	George M. Yates Vice Pres	<u>iúeni </u>			
Date Received by FERC	Date Application is Compileted Phone Number				

U.S. DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission. Washington, D.C. 20126

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifier for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional temarks in the space below.

Submit the completed application to the appropriate furisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-3539.

Specific Instructions for Item 2.0, Type of Determination

Section of NGPA	Category Code	Description
102	1	New OCS Lease
102	?	New onshore well (2.5 mile test)
102	3	New anshore well (1,000 feet despiretest)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103		New anshare production well
107		High cost natural gas
108		Stripper well

Other Purchasers Contracts:

Contract Date (Mo. Day Yr.)	Parchaser	Buyer Code
		appear and the second s
and the second s		
	and the second s	

Remarks:

F179008<mark>06/1-2</mark>

APPLICATION PURSUANT TO SECTION 103(c) OF THE NATURAL GAS POLICY ACT OF 1978 (NGPA)

Well: AMOCO 22 State 2 API No: 30-015-22917

AFFIDAVIT

STATE OF NEW MEXICO COUNTY OF EDDY

BEFORE ME, the undersigned authority, duly commissioned and qualified within and for the State and County aforesaid, personally came and appeared GEORGE M. YATES, who, being by me first duly sworn, deposed and said:

That he is the Vice President of HARVEY E. YATES COMPANY, the applicant for the well as described heretofore in this application, and, in that capacity, he is requesting the appropriate Jurisdictional Agency to determine the eligibility of said well for wellhead pricing purposes pursuant to the rules and regulations of said agency and the Federal Energy Regulatory Commission and pursuant to the NGPA.

That this application is made pursuant to 18 CFR 274.204 (a)-(f).

That to the best of his information and knowledge;

- (a) The surface drilling of the well for which he seeks a determination was begun on or after February 19, 1977.
- (b) The well satisfies any applicable Federal or State well-spacing requirements.
- (c) The well is not within a proration unit:
 - (1) Which was in existence at the time the surface drilling of the well began; and
 - (2) Which was applicable to the reservoir from which natural gas is produced; and
 - (3) Which applied to any other well which either produced natural gas in commercial quantities or the surface drilling of which began after February 18, 1977, and was thereafter capable of producing natural gas in commercial quantities.

That he has concluded to the best of his information and knowledge that there is substantial evidence to support a determination that the natural gas produced from said well is produced from a new onshore production well as defined in the NGPA; and that he has no knowledge of any other information not described in the application which is inconsistent with this conclusion.

That he has mailed, or caused to be mailed, postage prepaid, copies of the completed Form FERC 121, Application for Determination of the Maximum lawful Price Under the Natural Gas Policy Act, and any jurisdictional agency supplemental application form to the Purchaser(s) and to the co-lessee(s) and/or working interest owners, which are listed separately.

That to the best of his knowledge and belief, all information contained in this application for category determination, purusant to the NGPA, is true and correct including all documents, testimony, and evidence submitted with the application.

Signed

George M. Yates Vice President

Subscribed in my presence and duly sworn to before me, this many day of <u>flecember</u>, 1979.

My Commission expires: March 26, 1983

Carlyn M. Jarm's Votary Public

OFFICIAL SEAL

Carlyn M. Jain

CALLYN M. JARM

NOTATY PUT OF SEAL MESICO

My Commission Expires 3/01/83

INDEX OF EXHIBITS

- 1. Application to Drill
- 2. Completion Report
- 3. Well Location and Acreage Dedication Plat
- 4. Well Location Plat (Proration Unit)
- 5. List of Co-Lessees, Working Interest Owners and Gas Purchaser

APPLICATION TO DRILL

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COMPLETION REPORT

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10971, 10973, 10978, 10980, 10982, 10984, DEPTH INTERVAL AMO 10986, 10989, 10991, 10993, 11001, 11003, 10971-11094 10.00	CEMENT SQUEEZE, ETC. UNT AND KIND MATERIAL USED 10. gals. 15% MSR-100 1. S.F. N ₂ /BBL
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25, list of Attachments	and the second s
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WELL LOCATION AND ACREAGE DEDICATION PLAT

W MEXICO OIL CONSERVATE NOTION OF THE WELL LOCATION AND ACREAGE DEDICATION PLAT

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AMOCO 22 STATE #2 Well 1980 FNL and 1980 FEL Sec. 22, T-23S, R-27E

Proration Unit Assigned to the Amoco 22 State #2 Well

LIST OF CO-LESSEES, WORKING INTEREST ONWERS AND GAS PURCHASER

AMOCO 22 STATE #2 WORKING INTEREST OWNERS

Amoco Production Company P. U. BOX 68 Hobbs, New Mexico 88240 ATTN: Bill Magness

Harvard & LeMay Exploration, Ltd. P. O. Box 936
Roswell, New Mexico 88201

Mountain States Petroleum P. O. Box 1936 Roswell, New Mexico 88201

Read & Stevens, Inc. P. O. Box 1518 Roswell, New Mexico 88201

Clem E. George 501 C & K Petroleum Building Midland, Texas 79701

Bill J. Graham P. O. Box 5321 Midland, Texas 79701

Maurice Hobson
P. O. Drawer 638
Alamogordo, New Mexico 88310

Coronado Exploration Corporation 1007 Marquette NW Albuquerque, New Mexico 87102

Lingen Exploration, Inc. 1177 West Loop South Suite 1410 Houston, Texas 77027 Harvey E. Yates Company P. O. Box 1933 Roswell, New Mexico 88201

Fred G. Yates
P. O. Box 1933
Roswell, New Mexico 88201

George M. Yates P. O. Box 1933 Roswell, New Mexico 88201

Harvey E. Yates
P. O. Box 1933
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GAS PURCHASER

Llano, Inc. P. O. Drawer 1320 Hobbs, New Mexico 88240

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p. O. Bez 268a, Casta Fe. Get Alternative RICE CETEBRA CALLS OF THE STREET OF 1. FOR DIVISION USE ONLY DETA OF APPLICATION DETERMINATION CONTESTED ____ Amoco 22 State PARTICIPANTS Harvey E. Yates Company Marine State Transfer P. O. Box 1933, Roswell, New Mexico 88201 Und. So. Carlsbad 1980 THE NORTH NORTH LINE AND Morrow district Sell East CINF SECTION 22 TONNIHID 235 Eddy 31. Name and Address of Transporter(s) Llano, Inc., P. O. Drawer 1320, hobbs, New Mexico 88240 Check appropriate box for category sought and information submitted. 1. Category(ies) Sought (By NGPA Section No.) 103 a. C-101 APPLICATION FOR DERMIT TO DRILL, DEFPEN OR PLUG BACK b. C-105 WELL COMPLETION OR RECOMPLETION REPORT C. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111 3. NEW NATURAL GAS UNDER SEC. 102(c)(1)(B) (using 2.5 Mile or 1000 Feet Deeper Test) X d. AFFIDAVITS OF MAILING OR DELIVERY 4. NEW NATURAL GAS UNDER SEC. 102(c)(1)(C) (new onshore reservoir) a. Location Plat a. C-122 Multipoint and one point back pressure test $\left[\widehat{X} \right]$ a. C-102 WELL LOCATION AND ACREAGE DEDICATION PLAT b. No. of order authorizing infill program 6. STRIPPER GAS a. C-116 GAS-OIL RATIO TEST C. PRODUCTION CURVE FOR THE 90-DAY PERIOD ON WHICH THE APPLICATION IS BASED b. PRODUCTION CURVE FOR 12-MONTH PERIOD I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF. Approved The information contained herein includes ☐ Dlampproved all of the information required to be filed by the applicant under Subpart B of Part 274. George M. Yates HAME OF APPLICANT (Type or Print) Title Vice President 1979 Date Dece EXAMENTA Exhinit D

FERC-121

1.0 API well riornber. (If not available, leave blank, 14 digits.)	30-01	5-22917		
2.0 Type of determination being sought (Use the codes found on the front of this form.)	103 Section of NGPA		Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 197 in 2.0 above.)		11,094		
4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)	HARVEY E. YATES COM Name P. O. Box 1933 Street Roswell, City	PANY NM State	88201	Softer Code
5.0 Location of this welf. [Complete (a) or (b).] (a) For anshore wells. (35 letters maximum for field name.)	None Field Name Eddy County County			!
(b) For OCS wells:	Area Name		Block Number	
	Date of Lease. L. J. L. L. Mo., Day Yr.	ocs ocs	Lease Number	
(c) Name and identification number of this well: (35 letters and digits maximum,)	AMOCO 22 STATE 2			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	None			
S.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Llano, Inc.			Buyer Code
(b) Date of the contract:	; ; ;	0 4 1 9 7 9 Mo. Day Yr.	J	
(c) Estimated annual production:		364	NMcf.	
	(a) Base Price (b) (\$/MMBTU)	Pr	All Other ices [Indicate For (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: {As of filing date. Complete to 3 decimal places.}	2.113	.1.33		2.246
8.0 Maximum lawful rate. (As of filing date, Complete to 3 decimal places.)	2.113	1_3_3		2.246
9.0 Person responsible for this application Agency Use Only Date Received by Juris, Agency	George M. Tates		Vice Pre	sident
Date Received by 1 kMC	Dec 11, TGT 9 Date Application is Completed		-623-6601 Franc Number	

U.S. DEPARTMENT OF ENERGY

Federal Unergy Regulatory Commission Washington, D.C. 20126

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA) (Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM.

General Instructions

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for which direct from the category apparation to the producing wen, seminary apparations must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaset or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate furisdictional Agency as listed in title 18 of the CFR, part 270, 103. If there are any questions, call (202) 275-4539 Specific Instructions for Item 2.0. Type of Determination

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102	3	
102	4	New onshore well (2.5 mile test) New onshore well (1.00)
103	5	New Oneby
102		New reservoir on old OCS Legge
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Contract Date (Mo. Day Yr.)		
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Remarks:

APPLICATION PURSUANT TO SECTION 103(c) OF THE NATURAL GAS POLICY ACT OF 1978 (NGPA)

Well: AMOCO 22 State 2 API No: 30-015-22917

AFFIDAVIT

STATE OF NEW MEXICO COUNTY OF EDDY

BEFORE ME, the undersigned authority, duly commissioned and qualified within and for the State and County aforesaid, personally came and appeared GEORGE M. YATES, who, being by me first duly sworn, deposed and said:

That he is the Vice President of HARVEY E. YATES COMPANY, the applicant for the well as described heretofore in this application, and, in that capacity, he is requesting the appropriate Jurisdictional Agency to determine the eligibility of said well for wellhead pricing purposes pursuant to the rules and regulations of said agency and the Federal Energy Regulatory Commission and pursuant to the NGPA.

That this application is made pursuant to 18 CFR 274.204 (a)-(f).

That to the best of his information and knowledge;

- (a) The surface drilling of the well for which he seeks a determination was begun on or after February 19, 1977.
- (b) The well satisfies any applicable Federal or State well-spacing requirements.
- (c) The well is not within a proration unit:
 - (1) Which was in existence at the time the surface drilling of the well began; and
 - (2) Which was applicable to the reservoir from which natural gas is produced; and
 - (3) Which applied to any other well which either produced natural gas in commercial quantities or the surface drilling of which began after February 18, 1977, and was thereafter capable of producing natural gas in commercial quantities.

That he has concluded to the best of his information and knowledge that there is substantial evidence to support a determination that the natural gas produced from said well is produced from a new onshore production well as defined in the NGPA; and that he has no knowledge of any other information not described in the application which is inconsistent with this conclusion.

That he has mailed, or caused to be mailed, postage prepaid, copies of the completed Form FERC 121, Application for Determination of the Maximum lawful Price Under the Natural Gas Policy Act, and any jurisdictional agency supplemental application form to the Purchaser(s) and to the co-lessee(s) and/or working interest owners, which are listed separately.

That to the best of his knowledge and belief, all information contained in this application for category determination, purusant to the NGPA, is true and correct including all documents, testimony, and evidence submitted with the application.

Signed

Jeorge M. Yates Vice resident

My Commission expires:

March 26, 1983

Carlyn M. Jam.
Notary Public Jam.

Signed

OFFICIAL SEAL

CARLYN M. JARM
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My Commission Expires 3/26/83

INDEX OF EXHIBITS

- 1. Application to Drill
- 2. Completion Report
- 3. Well Location and Acreage Dedication Plat
- 4. Well Location Plat (Proration Unit)
- 5. List of Co-Lee Bes, Working Interest Owners and Gas Purchaser

APPLICATION TO DRILL

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WELL LOCATION AND ACREAGE DEDICATION PLAT

W MEXICO DIL CONSERVATION COMM. 194. WELL LOCATION AND ACREAGE DEDICATION PLAT

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O AMOCO 22 STATE #2 Well 1980 FNL and 1980 FEL Sec. 22, T-23S, R-27E

Proration Unit Assigned to the Amoco 22 State #2 Well

LIST OF CO-LESSEES, WORKING INTEREST ONWERS AND GAS PURCHASER

AMOCO 22 STATE #2 WORKING INTEREST OWNERS

Ameco Production Company P. O. Box 68 Hobbs, New Mexico 88240 ATTN: Bill Magness

Harvard & LeMay Exploration, Ltd. P. O. Box 936
Roswell, New Mexico 88201

Mountain States Petroleum P. O. Box 1936 Roswell, New Mexico 88201

Read & Stevens, Inc. P. O. Box 1518 Roswell, New Mexico 88201

Clem E. George 501 C & K Petroleum Building Midland, Texas 79701

Bill J. Graham
P. O. Box 5321
Midland, Texas 79701

Maurice Hobson

P. O. Drawer 638

Alamogordo, New Mexico 88310

Coronado Exploration Corporation 1007 Marquette NW Albuquerque, New Mexico 87102

Lingen Exploration, Inc. 1177 West Loop South Suite 1410 Houston, Texas 77027 Harvey E. Yates Company P. O. Box 1933 Roswell, New Mexico 88201

Fred G. Yates
P. O. Box 1933
Roswell, New Mexico 88201

George M. Yates P. O. Box 1933 Roswell, New Mexico 88201

Harvey E. Yates
P. O. Box 1933
Roswell, New Mexico 88201

GAS PURCHASER

Llano, Inc. P. O. Drawer 1320 Hobbs, New Mexico 88240 ROUGH

ar/

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. 6777

Order No. R-6248

APPLICATION OF HARVEY E. YATES COMPANY FOR AN NGPA DETERMINATION, EDDY COUNTY, NEW MEXICO.

Jour

ORDER OF THE DIVISION

BY THE DIVISION:

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.
 - a determination by the Division, in accordance with Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission, that its Amoco 22 State Well No. 2, located in Unit G of Section 22, Township 23 South, Range 27 East, NMPM, Eddy County, New Fexico, has discovered a new onshore reservoir from which natural gas was not produced in commercial quantities before April 20, 1977.

- formation with perforations from 1097/ to 11094 feet, and a formation back depth of 02898 feet after marine been divided total depth of 12,370 feet.
- (4) That although there are several wells in the vicinity of the subject well which have penetrated with the Above the Above dermation, available well logs to not show porosity or other indications of potential production in such wells.

(5) The from by nearby well spudded before be February 19, 1987, has never be successfully completed in any formation and has produced 170 go a from the Ptoka formation

completed in a new onshore reservoir as defined by the provisions of Section 102 (c) of the Natural Gas Policy Act of 1978 and the applicable rules of the Federal Energy Regulatory Commission.

IT IS THEREFORE ORDERED:

- (1) That the Harvey E. Yates Company Amoco 22 State Well No. 2, located in Unit G of Section 22, Township 23 South, Range 27 East, NMPM, Eddy County, New Mexico, is completed in a new onshore reservoir as defined by Sections 2 (6) and 102 (c) of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission.
- (2) That jurisdiction of this cause is hereby 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.

Memo

FLORENE DAVIDSON ADMINISTRATIVE SECRETARY

Called in by Bob Strand
Called in by Bob Strand
lecember 5, 19>9
ilecember 5, 19>9
Narvey E. Yates Company
New Onshore Reservoir
Amoco 22 State #1-6 Section 22-T235-R27E

OIL CONSERVATION COMMISSION-SANTA FE