



Stephen D. Ring
Attorney

Amoco Production Company

Denver Region
1670 Broadway
P.O. Box 800
Denver, Colorado 80201
303-830-4040

March 18, 1985

Re: Leeper Gas Com. "D" No. 1R
Application for Natural Gas
Category Determination, NGPA of
1978 Section 107

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

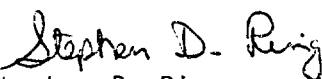
Dear Sir:

Amoco Production Company (Amoco) submits herewith for filing its Application for Natural Gas Category Determination under the Natural Gas Policy Act of 1978 for the above referenced well.

Amoco requests that all inquiries and correspondence regarding this filing be addressed to J.E. Ford, Amoco Production Company, Amoco Building, P.O. Box 800, Denver, Colorado 80201.

Please accept this Application for filing and acknowledge its receipt by stamping the enclosed copy of this letter and returning it in the envelope provided. Thank you.

Yours very truly,


Stephen D. Ring

SDR/mat
Encls.

cc w/att: El Paso Natural Gas Company (Purchaser)
W. P. Carr

SANTA FE, NEW MEXICO 87501
APPLICATION FOR WELLHEAD
PRICE CEILING CATEGORY DETERMINATION

1. FOR DIVISION USE ONLY:

DATE COMPLETE APPLICATION FILED _____

DATE DETERMINATION MADE _____

WAS APPLICATION CONTESTED? YES _____ NO _____

NAME(S) OF INTERVENOR(S), IF ANY: _____

2. Name of Operator

Amoco Production Company

3. Address of Operator

Amoco Building, 1670 Broadway, Denver, CO 80201

4. Location of Well

UNIT LETTER L LOCATED 1500 FEET FROM THE South LINE

AND 840

FEET FROM THE West LINE OF SEC. 34 TWP. 32N RGE. 10W NMPM

11. Name and Address of Purchaser(s)

El Paso Natural Gas Company, P. O. Box 1492, El Paso, TX 79978

5A. Indicate Type of Lease

STATE ☐

SEE ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Form or Lease Name

Leeper Gas Com "D"

9. Well No.

1R

10. Field and Pool, or Wildcat

Mt. Nebo Fruitland

12. County

San Juan

WELL CATEGORY INFORMATION

Check appropriate box for category sought and information submitted.

1. Category(ies) Sought (By NPGA Section No.) 107

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. In addition to the above, all applications must contain the items required by the applicable rule of the Division's "Special Rules for Applications For Wellhead Price Ceiling Category Determinations" as follows:

A. NEW NATURAL GAS UNDER SEC. 102(c)(1)(B) (using 2.5 Mile or 1000 Feet Deeper Test)

☐ All items required by Rule 14(1) and/or Rule 14(2)

B. NEW NATURAL GAS UNDER SEC. 102(c)(1)(C) (new onshore reservoir)

☐ All items required by Rule 15

C. NEW ONSHORE PRODUCTION WELL

☐ All items required by Rule 16A or Rule 16B

D. DEEP, HIGH-COST NATURAL GAS and TIGHT FORMATION NATURAL GAS (Coal Seam Gas)

☒ All items required by Rule 17(1) or Rule 17(2)

E. STRIPPER WELL NATURAL GAS

☐ All items required by Rule 18

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED
HEREIN IS TRUE AND COMPLETE TO THE BEST OF MY
KNOWLEDGE AND BELIEF.

J. H. Goble

NAME OF APPLICANT (Type or Print)

SIGNATURE OF APPLICANT

Title Regional Natural Gas Mktg. Mgr.

Date 3-12-85

FOR DIVISION USE ONLY

☐ Approved

☐ Disapproved

The information contained herein includes all
of the information required to be filed by the
applicant under Subpart B of Part 274 of the
FERC regulations.

EXAMINER

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

GENERAL INSTRUCTIONS

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 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. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

SPECIFIC INSTRUCTIONS

Use the codes in the table below for type of determination in item 2.

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressured brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well — seasonally affected
108	2	Stripper well — enhanced recovery
108	3	Stripper well — temporary pressure buildup
108	4	Stripper well — protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Line No.	Contract Date (Mo, Da, Yr) (a)	Purchaser (b)	Buyer Code (c)
1			
2			
3			
4			
5			
6			

Remarks: The natural gas was (X) was not () committed and dedicated to interstate commerce on November 8, 1978. The maximum lawful price applicable to such gas on November 8, 1978 was \$ 1.51 (\$/MMBtu). Rate Schedules (s) 768.

Amoco Contract No. 96,176 Spud Date 8-8-84

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

1.0 API well number: (If not assigned, leave blank. 14 digits.)	30 - 045 - 26013 -				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA Category Code				
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	2640 feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Amoco Production Company Name 1670 Broadway, P.O. Box 800 Street Denver City CO State 80201 Zip Code 000569 Seller Code				
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Mt. Nebo Fruitland Field Name San Juan County NM State				
(b) For OCS wells:	Area Name Date of Lease: Mo. Day Yr. OCS Lease Number Block Number				
(c) Name and identification number of this well: (35 letters and digits maximum.)	Leeper Gas Com. "D" No. 1R				
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)					
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	El Paso Natural Gas Company Name 005708 Buyer Code				
(b) Date of the contract:	0 1 0 6 7 8 Mo. Day Yr.				
(c) Estimated total annual production from the well:	182 Million Cubic Feet				
		(a) Base Price March '85	(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.)	S/MMBTU	5.944	.382		6.326
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	5.944	.382		6.326
9.0 Person responsible for this application:	J. H. Goble Name Signature 3-12-85 Date Application is Completed Regional Natural Gas Marketing Manager Title (303) 830-4311 Phone Number				

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-85

5A. Indicate Type of Lease STATE ☐ FEE ☒
5. State Oil & Gas Lease No.
7. Unit Agreement Name
9. Well No. 1R
10. Field and Pool, or Wildcat Mt. Nebo Fruitland
12. County San Juan
19. Proposed Depth 2650'
19A. Formation Fruitland
20. Rotary or C.T. Rotary
21A. Kind & Status Plug. Bond Statewide
21B. Drilling Contractor Unknown
22. Approx. Date Work will start As soon as permitted

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐
b. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐
2. Name of Operator Amoco Production Company
3. Address of Operator 501 Airport Drive, Farmington, NM 87401
4. Location of Well UNIT LETTER L LOCATED 1500 FEET FROM THE South LINE 840 FEET FROM THE West LINE OF SEC. 34 TWP. 32N RGE. 10W NMPM

1. Elevations (Show whether D.P., K.T., etc.) 5838' GR	21A. Kind & Status Plug. Bond Statewide	21B. Drilling Contractor Unknown	22. Approx. Date Work will start As soon as permitted
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PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48#, 11-40	300'	360 cu. ft. Class	Surface
12-1/4"	9-5/8"	32.3#, H-40	1150'	552 cu.-ft. Class	Surface
8-3/4"	7"	20#, K-55	2650'	229 cu. ft Class	Surface
		LT & C		B W/ 35.35 lb/sk	
				of B-37 Bubbles,	
				Yield=3.56' 3/sk	

CONFIDENTIAL

Amoco proposes to drill the above well to further develop the Mt. Nebo Fruitland reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is dedicated to El Paso Natural Gas Co. under contract No. 96176.

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information furnished is true and complete to the best of my knowledge and belief.

Original Signed By
D.D. Lawson

Title Dist. Adm. Supervisor Date June 28, 1984

(This space for State Use)

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

4B

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES REQUIRED	
1. Initial Production	
2. Final	
3. Final	
4. Final	
5. Final	
6. Final	
7. Final	
8. Final	
9. Final	
10. Final	

1. Indicate Type of Lease
State ☐ Fee ☒

2. Lease Unit & Case Lease No.

3. Unit Agreement Name

4. Name of Lease Name
Leeper Gas Com "D"

5. Well No.
1R

6. Field and Pool, or Wildcat
Mt. Nebo Fruitland

7. County
San Juan

1. TYPE OF WELL
OIL ☐ GAS ☒ GEY ☐

2. TYPE OF COMPLETION
NEW ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. SECT. ☐ OTHER ☐

3. Name of Operator
Amoco Production Company

4. Address of Operator
501 Airport Drive, Farmington, NM 87401

5. Location of Well
NOT LETTER L LOCATED 1500 FEET FROM THE South LINE AND 840 FEET FROM

6. West line of sec. 34 Twp. 32N sec. 10W

7. Date Spudded 8/8/84 16. Date T.D. Reached 8/19/84 17. Date Compl. (Ready to Prod.) 10/12/84 18. Elevations (H.F., K.H., RT, CR, etc.) 5851' KB 19. Elev. Casinghead 5838' GR

20. Total Depth 2685' 21. Plug Back T.D. 2670' 22. If Multiple Compl., How Many single 23. Intervals Drilled By 0-TD 24. Was Directional Survey Made Yes

25. Producing Interval(s), of this completion - Top, Bottom, Name
2608'-2640' Fruitland

26. Type Electric and Other Logs Run
IL-SP-GR-DC-GR- w/caliper - HC - Sonic - GR

27. Was Well Cored No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	MOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#, K-55	265'	17-1/2"	496 c.f. class B Ideal	
9-5/8"	32.3#, H-40	1142'	12-1/4"	530 c.f. class H Ideal	
7"	23#, K-S	2685'	8-3/4"	289 c.f. Class B Portland	

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	2540'	

28. Perforation Record (Interval, size and number)
2640'-2608', 12 jspf, .75"
total of 384 holes

29. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2608'-2640'	Stress frac w/3"x 12' guns

PRODUCTION

30. First Production 11/29/84 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. for Test Period	Oil - bbl.	Gas - MCF	Water - bbl.	Gas - Oil Ratio
11/30/84	3	.50"			60		

Tubing Pressure	Casing Pressure	Calculated 24-Hour Rate	Oil - bbl.	Gas - MCF	Water - bbl.	Oil Gravity - API (Corr.)
79 psig	150 psig			479		

31. Disposition of Gas (Sold, used for fuel, vented, etc.) To be sold Test Witnessed By J.J. Barnett

32. List of Attachments
None

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Original Signed By D.D. Lawson District Admin. Supervisor

DATE 12/12/84

6 B

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 30 days after the completion of any newly drilled well. It shall be completed by the owner of the well and shall be filed in the well and in the office of the District Office. It shall be filed in the office of the District Office. All depths reported shall be measured depths, in the case of other than fully cased wells, from the top of the well. It shall be reported for each zone. The form is to be filed in duplicate with the District Office, where the copies are required, and with the Division.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo 1247	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland 1807	T. Penn. "C"
T. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Manly	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Quartz
T. Glorieta	T. McKee	T. Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinbury	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T. Cisco (Hough C)	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from	to	No. 4, from	to
No. 2, from	to	No. 5, from	to
No. 3, from	to	No. 6, from	to

IMPORTANT WATER SANDS

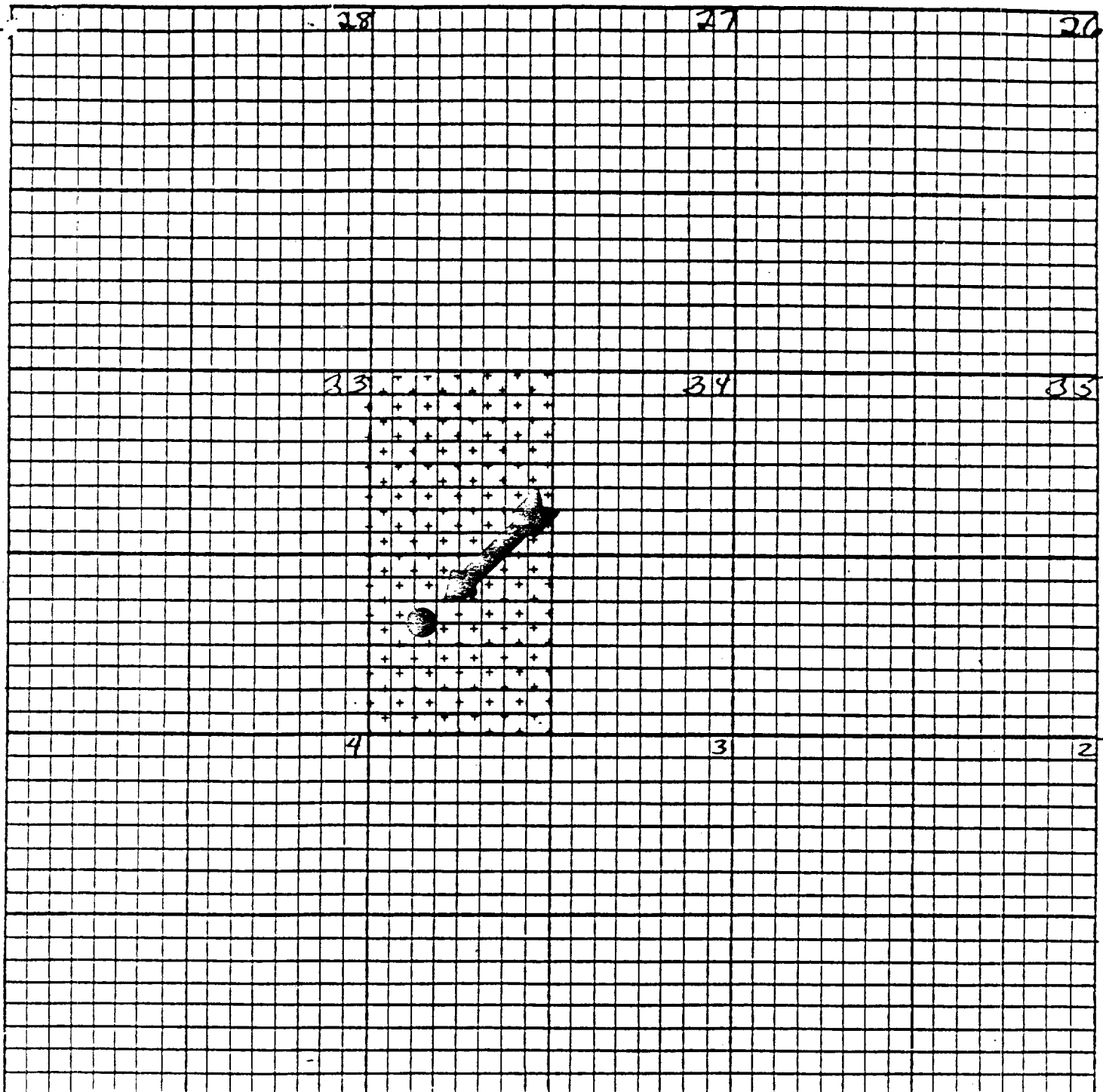
Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	to	feet
No. 2, from	to	feet
No. 3, from	to	feet
No. 4, from	to	feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1247	1280	33'	Ojo Alamo				
1280	1807	527'	Farmington SS				
1807	TD	2843'	Kirtland-Fruitland				

R.10W



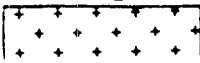
LOCATION PLAT IDENTIFYING WELL FOR WHICH DETERMINATION IS SOUGHT UNDER THE NGPA, AS FOLLOWS:

API WELL NO.: 30-045-26013 APPLICANT: Amoco Production Company

WELL NAME AND NO.: Leeper Gas Com D# 1R

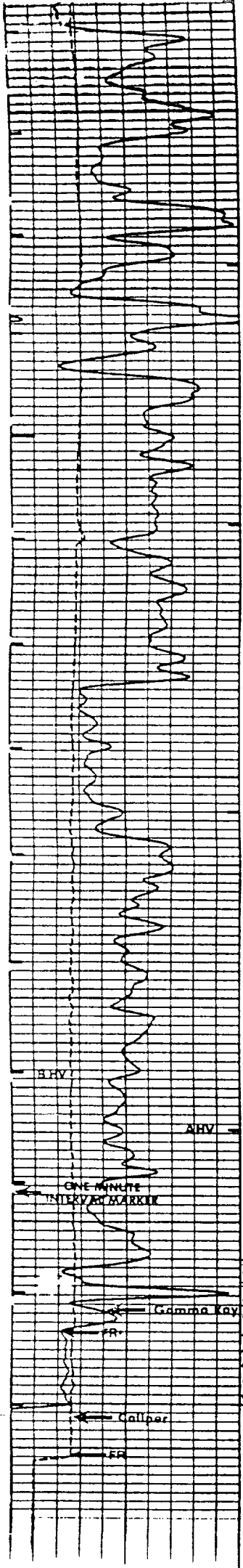
LOCATION OF WELL: M+Nebo Fld. San Juan, Nm
Field County State

LEGEND



Area Attributable To Well For
Which Determination Is Sought

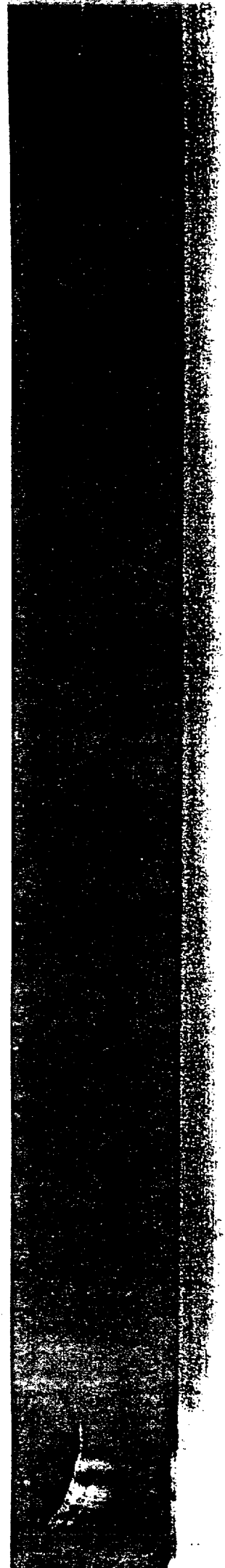
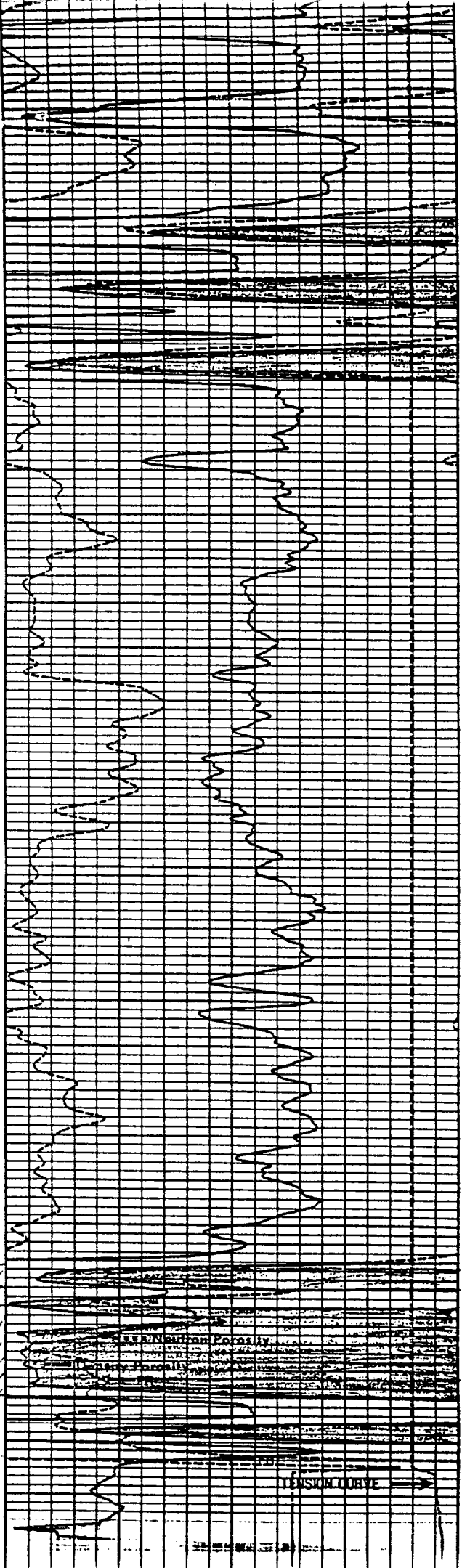
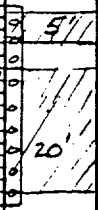
Amoco Contract No.: 96,176
Rate Schedule No.: 705



2400

2500

2600



CERTIFICATE OF MAILING

I hereby certify that a true and correct copy of the New Mexico Oil Conservation Division's Form C-132 and the Form FERC-121 for the Leeper Gas Com. "D" No. 1R well was mailed, postage prepaid, to each working interest owner and each party to the gas purchase contract, as listed below.

PURCHASER: El Paso Natural Gas Company
P. O. Box 1492
El Paso, TX 79978

WORKING INTEREST OWNER: W. P. Carr
6700 Forest Lane
Dallas, TX 75230

AMOCO PRODUCTION COMPANY

BY: Stephen D. Ring
Stephen D. Ring, Attorney
Amoco Building
Denver, Colorado 80202

APPLICANT'S SWORN STATEMENT

STATE OF COLORADO)
) ss
 COUNTY OF DENVER)

R. J. Criswell, having first been duly sworn,
 states that he is a responsible official of the Applicant, Amoco Production
 Company, and further states:

1. That the surface drilling of Leeper Gas Com. "D" No. 1R for
 which Applicant seeks a determination, was commenced on or after July 16,
 1979;

2. That the gas is being produced from a Coal Seam.

3. That there is no further information of which Applicant has
 knowledge inconsistent with the conclusions stated herein.

DATED this 12th day of March, 1985.

AMOCO PRODUCTION COMPANY, Applicant

BY: R. J. Criswell

TITLE: Division Production Manager

ADDRESS: Amoco Production Company

Amoco Building

Denver, CO 80202

SUBSCRIBED, SWORN TO, AND ACKNOWLEDGED before me this 12th day of

March, 1985.

Mary Ann Ray
 Notary Public

My Commission expires:

8-23-88

**AMOCO BUILDING
 1670 BROADWAY
 DENVER, CO 80202**

CORE LABORATORIES, INC. ANALYTICAL REPORT

1-2-85

PAGE 1 OF 1

ANALYSIS #:

AMOCO PRODUCTION CO.

JOB: A40289-6
TECH: RAC
LOCATION: CASFER, WYO.

WELL: 1 R
FIELD: LEEPER GAS COM. 'D'
COUNTY: SAN JUAN
STATE: NEW MEXICO
DATE SAMPLED: 1-30-84

SAMPLING POINT: MTN NEBO FRUITLAND
SAMPLE TEMP: DEG. F.
SAMPLE PRESSURE: 68 PSIA
REMARKS: #RC1034

CHROMATOGRAPHIC ANALYSIS

	HOL	GFH *
PERCENT		
CARBON DIOXIDE	6.55	
NITROGEN	0.04	
METHANE	92.83	
ETHANE	0.58	0.155
PROpane	0.00	0.000
ISO-BUTANE	0.00	0.000
NORMAL BUTANE	0.00	0.000
ISO-PENTANE	0.00	0.000
NORMAL PENTANE	0.00	0.000
HEXANES	0.00	0.000
HEPTANES PLUS	0.00	0.000
TOTAL	100.00	0.155

CALCULATED BTU/CU.FT. @ 14.730 PSIA
DRY BASIS: 950
WET BASIS: 933

CALCULATED BTU/CU.FT. @ 14.696 PSIA
DRY BASIS: 948
WET BASIS: 931

CALCULATED SPECIFIC GRAVITY: 0.6201
(AIR = 1.00)

COMPRESSIBILITY FACTOR: .997948

* GFH CALCULATED AT 14.696 PSIA

Exhibit 15B1

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The information requested represents the best judgment of Core Laboratories, Inc. (all errors and omissions excepted), but Core Laboratories, Inc. and its affiliates do not warrant, represent or guarantee the accuracy or completeness of the information, or the productivity or proper operation of any oil, gas, fluid or other equipment.