



Stephen D. Ring
Attorney

Amoco Production Company

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

RECEIVED AMOCO PRODUCTION COMPANY DENVER REGION			
AUG 30 '84			
NATURAL GAS MARKETING DEPT.			
JHG		JWH	
GAG		RPM	
BH2		CES	
JGB		JFT	
RAE		DEW	
JEF		GFW	

August 30, 1984

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

NGPA Section 107 "Coal
Seam" Application for: Wood Gas Com "A" No. 1 Well
San Juan County, New Mexico

Gentlemen:

Amoco Production Company ("Amoco") submits an application for a determination that gas produced from the Wood Gas Com "A" No. 1 Well (the "Wood Well") is occluded natural gas produced from a coal seam for purposes of Section 107 of the Natural Gas Policy Act of 1978.

Amoco believes that materials included in its application are sufficient to show that gas produced by the Wood Well is produced from a coal seam. One of those materials is a copy of the Division's Order No. R-7588, issued on July 9, 1984 in Case No. 8014. In that order the Division created a new gas pool to be known as the Cedar Hill-Fruitland Basal Coal Pool; the vertical limits of that pool comprise the Basal Coal member of the Fruitland formation (as found on the type log of Amoco's Schneider Gas Com "B" Well No. 1), and the horizontal extent of the pool consists of 10,240 acres identified in the order. The Wood Well lies within the horizontal limits of the Cedar Hill-Fruitland Basal Coal Pool; and, as may be seen from the cross section of the Wood Well and the Schneider Gas Com B No. 1 Well included in Amoco's application, the Wood Well is completed within the vertical limits of that same pool. Accordingly, Amoco believes that the enclosed application is one which may be approved administratively pursuant to the Division's NGPA Rule No. 6, as adopted on July 7, 1980 by Order R-5878-B.

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,
ORIGINAL SIGNED BY
STEPHEN D. RING

Stephen D. Ring

SDR/mat
Encls.

cc w/att: Department of Energy and Minerals - District Office
El Paso Natural Gas Company (Purchaser)

bcc: B.A. Colke
R.T. Taylor

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

WELL LETTER B LOCATED 1155 FEET FROM THE North LINE

AND 1745 FEET FROM THE East LINE OF SEC. 4 TWP. 31N SEC. 10W RMPM

11. Name and Address of Purchaser(s)

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

3A. Indicate Type of Lease STATE <input type="checkbox"/> REC <input checked="" type="checkbox"/>
3. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Form or Lease Name Wood Gas Com. "A"
9. Well No. 1
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 NGPA Section No.) 107 (coal seam gas)

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

*Please note that the information contained in this application is confidential.

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 Marketing

Date 8-17-84 Manager

FOR DIVISION USE ONLY

- ☐ Approved
☐ Disapproved

The information contained herein includes all of the information required to be filed by the applicant under Subpart 8 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 12-14-83 *Price to be redetermined.

**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 - 25820 -				
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.)	2626 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			000569 Seller Code CO State 80201 Zip 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 Block Number Date of Lease: Mo. Day Yr. OCS Lease Number				
(c) Name and identification number of this well: (35 letters and digits maximum.)	Wood Gas Com, "A" No. 1				
(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:	10 14 96 7 8 Mo. Day Yr.				
(c) Estimated total annual production from the well:	182 Million Cubic Feet				
		(a) Base Price	(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	-----	-----	-----	-----
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	-----	DEREGULATED	-----	-----
9.0 Person responsible for this application:	J. H. Goble Name Regional Natural Gas Marketing Manager Title Signature 8-17-84 Date Application is Completed (303) 830-4311 Phone Number				

NO. OF COPIES RECEIVED	
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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATION	

RECEIVED
NOV 2 1983

Well File

APPLICATION FOR REQUEST TO DRILL, DEEPEN, OR PLUG BACK

FAR WEST PRODUCING

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5a. Initial Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. Term of Lease Time Wood Gas Com "A"	
3. Name of Operator AMOCO PRODUCTION COMPANY		7. Well No. 1	
2. Address of Operator 501 Airport Drive, Farmington, N.M. 87401		8. Field and Pool, or Wildcat Mt. Nebo Fruitland	
4. Location of Well UNIT LETTER B LOCATED 1155 FEET FROM THE North LINE 1745 FEET FROM THE East LINE OF SEC. 4 TWP. 31N. R. 10W. N. 10E.		9. County San Juan	
17. Proposed Depth 2700'		18a. Formation Fruitland	
18b. Drilling Contractor Unknown		19. History of C.T. Rotary	
20. Elevation (Show whether HP, RT, etc.) 5833'		21a. Kind & Status Plug. Bond Statewide	
21b. Approx. Date Work will start As soon as permitted			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/2"	9 5/8"	32.3# K55	250'	250	surface
8 3/4"	7"	23# K55	2576'	700	surface
8 3/4"	Screen liner		2576'-2630'	Gravel pack	2576'

Amoco proposes to drill the above well to develop the Fruitland Coal gas reserves. 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. A copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design.

The gas from this well is dedicated to El Paso Natural Gas under Contract 96176.

CONFIDENTIAL

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

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

Signed Original Signed By D. D. Larson Title District Administrative Supervisor Date 10-17-83
(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

All distances must be from the outer boundaries of the Section.

Operator AMOCO PRODUCTION COMPANY			Lease WOOD GAS COM "A"		Well No. 1
Unit Letter B	Section 4	Township 31N	Range 10W	County San Juan	
Actual Footage Location of Well: 1155 feet from the North line and 1745 feet from the East line					
Ground Level Elev: 5833	Producing Formation Fruitland		Pool Mt. Nebo Fruitland		Dedicated Acreage 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

		<p>1155'</p> <p>1745'</p>	
		<p>4</p>	

CERTIFICATION

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

Original Signed By

D.O. Lawson

Name

Darrell Lawson

Position

District Adm. Supervisor

Company

Amoco Production Co.

Date

10-17-83

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

August 10, 1983

Registered Professional Engineer and Land Surveyor

Fred B. Kern Jr.

5A

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

NAME OF OPERATOR	
WELL INFORMATION	
WELL NO.	
WELL TYPE	
WELL STATUS	
WELL LOCATION	
WELL DEPTH	
WELL DIRECTION	

34. Indicate Type of Lease
State ☐ Fee ☒

35. Lease Unit & Cont. Lease No.

7. Unit Agreement Name

8. Form of Lease Name

Wood Gas Com "A"

9. Well No.

10. Field and Pool, or Wildcat

Mt. Nebo Fruitland

12. County

San Juan

1. TYPE OF WELL

2. TYPE OF COMPLETION

3. Name of Operator

AMOCO PRODUCTION COMPANY

4. Address of Operator

501 Airport Drive, Farmington, NM 87401

5. Location of Well

Well Section B located 1155 feet from the North line and 1745 feet from

East line of sec. 4 Twp. 31N sec. 10W Range 10W

13. Date Spudded

12/14/83

16. Date T.D. Reached

12/26/83

17. Date Compl. (Ready to Prod.)

4/16/84

18. Elevations (LIF, KAL, RT, GK, etc.)

5846' KB

19. Elev. Casinghead

5833' GR

20. Total Depth

2694'

21. Plug Back T.D.

2656'

22. If Multiple Compl., How Many

Single

23. Intervals Drilled by

Hotary Tools

0-TD

Cable Tools

24. Producing Interval(s) of this completion - Top, Bottom, Name

2589' - 2626' (Fruitland)

25. Was Directional Survey Made

Yes

26. Type Electric and Other Logs Run

Density-Neutron - GB, DIL-SP-GR

27. Was Well Cored

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#, H-40	275'	17-1/2"	720 cu. ft. Class "B" cement, w/ 27 CaC	
9-5/8"	32.3#, H-40	2363'	12-1/4"	1078 cu. ft. Class "B" 50/50 Poz	
				cement tailed in w/ 118 cu. ft. Class	
				"B" Neat cement.	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
7", 26#, K-55	2144'	2693'	128 cu. ft.	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	2645'	None

31. Perforation Record (Interval, size and number)

2589' - 2626', 12 jsfp, .38", for a total of 444 holes.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	None

33. PRODUCTION

First Production 4-25-84	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	Well Status (Prod. or Shut-in) Shut-in
Date of Test 4-26-84	Hours Tested 3 hours	Choke Size .75
Flow Tubing Pressure 4 psig	Casing Pressure 12 psig	Oil - bbl. 24
	Calculated Test Flow Rate Oil - bbl. *190	Water - bbl. Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

TO BE SOLD

Test Witnessed By

J. J. BARNETT

35. List of Attachments

* Estimated

Original Signed By

R. D. Shaw

State Engineer or his Representative

5/8/84

6A

115100C 11015

born in to be filled with the appropriate material within the 10 day period and before then 20 days after the completion of any or only drilled or
and with it all the necessary material by any way of all identified and all those that is present in the well and a summary of all the other tests con-
of the falling drill stem tests. All of this material shall be measured directly, in the case of the directly drilled wells, from within the drill stem
the appropriate log results for completion, from the logs of it shall be reported for each section. The time to be filled in of the logs after any and all
a final check of the logs, once completed, shall be 15 days.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

Ashy	T. Canyon	T. Ojo Alamo	790'	T. Penn. "H"
Salt	T. Strawn	T. Kirtland-Fruitland	940'	T. Penn. "C"
Salt	T. Atoka	T. Pictured Cliffs	1538'	T. Penn. "D"
Valley	T. Miss	T. Cliff House		T. Leadville
7 Rivers	T. Devonian	T. Menefee		T. Madison
Queen	T. Silurian	T. Point Lookout		T. Elbert
Grayburg	T. Montoya	T. Mancos		T. McCracken
San Andres	T. Simpson	T. Gallup		T. Ignacio Quartz
Glorieta	T. McKee	Base Greenhorn		T. Granite
Paddock	T. Ellenburger	T. Dakota		T.
Winebury	T. Gr. Wash	T. Morrison		T.
Tubb	T. Granite	T. Todilto		T.
Drinkard	T. Delaware Sand	T. Entrada		T.
Abo	T. Bone Springs	T. Wingate		T.
Wolfcamp	T.	T. Chinle		T.
Penn.	T.	T. Permian		T.
Cisco (Dough C)	T.	T. Penn. "A"		T.

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

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

1. from _____ to _____ feet

2. from _____ to _____ feet

3. from _____ to _____ feet

4. from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation

R10W

T
30
N

T
30
N

T
31
N

T
31
N

5

34

3

Wood Gas Com "A" #1

8

9

10

R10W

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

API WELL NO. 30-045-25820 APPLICANT: Amoco Production Company

WELL NAME AND NO.: Wood Gas Com "A" #1

LOCATION OF WELL: Undesign. Fruitland San Juan New Mexico
Field County State

LEGEND



Area Attributable To Well For
Which Determination Is Sought

Amoco Contract No.: 96,176
Rate Schedule No.: 768

7A

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. 8014
Order No. R-7588

APPLICATION OF AMOCO PRODUCTION
COMPANY FOR POOL CREATION AND
SPECIAL POOL RULES, SAN JUAN
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on January 18,
1984, at Santa Fe, New Mexico, before Examiner Michael E.
Stogner.

NOW, on this 9th day of July, 1984, the Division
Director, having considered the testimony, the record, and
the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

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

(2) That the applicant, Amoco Production Company, seeks
an order creating a new gas pool, the vertical limits to be
the Basal Coal Zone of the Fruitland formation, with special
pool rules including a provision for well location and a
provision for 320-acre spacing, San Juan County, New Mexico.

(3) That the applicant is the owner and operator of the
Cahn Gas Com Well No. 1, located 1030 feet from the North
line and 1600 feet from the West line of Section 33, Township
32 North, Range 10 West, NMPM, San Juan County, New Mexico.

(4) That although said Cahn Gas Com Well No. 1 is
located within the Mount Nebo-Fruitland Pool (created by
Division Order No. R-4690, dated December 6, 1973, as
amended by Division Order Nos. R-5843 and R-7046, dated
November 2, 1978, and August 6, 1982, respectively), the

geological evidence presented at the hearing demonstrates that said well, which is producing from an open hole interval from 2795 feet to 2812 feet, has discovered a separate common source of supply within the Basal Coal member of the Fruitland formation and should be designated the Cedar Hill-Fruitland Basal Coal Pool.

(5) That the well log for the discovery well, as described above, does not fully penetrate the Basal Coal member of the Fruitland formation and as such should not be used as the type log for the proposed pool.

(6) That the vertical limits of said proposed pool should then be based upon the Basal Coal member of the Fruitland formation from approximately 2838 feet to 2878 feet as found on the type log from the applicant's Schneider Gas Com "B" Well No. 1 located 1110 feet from the South line and 1185 feet from the West line of Section 28, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico.

(7) That the well log from said Schneider Gas Com "B" Well No. 1 penetrates the entire Basal Coal member of the Fruitland formation and said well is approximately 2200 feet north of the discovery well, as described in Finding Paragraph No. (3) above.

(8) That the horizontal limits of said proposed pool should be as follows:

TOWNSHIP 31 NORTH, RANGE 10 WEST, NMPM
Sections 3 through 6: All

TOWNSHIP 32 NORTH, RANGE 10 WEST, NMPM
Sections 19 through 22: All
Sections 27 through 34: All

comprising 10,240 acres, more or less, all in San Juan County; New Mexico.

(9) That the currently available information indicates that one well in the proposed pool should be capable of effectively and efficiently draining 320 acres.

(10) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to encourage the orderly development of the proposed pool, and to otherwise prevent waste and protect correlative rights, the Cedar Hill-Fruitland Basal Coal Pool should be created with Temporary Special Rules

and Regulations providing for 320-acre spacing units comprising any two contiguous quarter sections of a single governmental section, being a legal subdivision of the United States Public Land Surveys.

(11) That the Temporary Special Rules and Regulations should provide for limited well locations in order to assure orderly development of the pool and to protect correlative rights.

(12) That said Temporary Special Rules and Regulations should be effective February 1, 1984, and should also be established for a two-year period in order to allow the operators in the Cedar Hill-Fruitland Basal Coal Pool to gather reservoir information to establish whether the temporary rules should be made permanent.

(13) That special provisions for a non-standard gas well location should be made for any well drilling to or completed in the Basal Coal member of the Fruitland formation within the proposed Cedar Hill-Fruitland Basal Coal Pool or within one mile of said pool on or before February 1, 1984, that does not comply with any special well location requirements promulgated in this order.

(14) That the vertical limits of the Mount Nebo-Fruitland Pool should be redefined to include the Fruitland formation with the exception of the Basal Coal member as designated on the type log of said Amoco Production Company's Schneider Gas Com "B" Well No. 1, as described in Finding Paragraph No. (6) above.

(15) That this case should be reopened at an examiner hearing in February, 1986, at which time the operators in the subject pool should be prepared to appear and show cause why the Cedar Hill-Fruitland Basal Coal Pool should not be developed on 160-acre spacing units.

IT IS THEREFORE ORDERED:

(1) That effective February 1, 1984, a new pool in San Juan County, New Mexico, classified as a gas pool for production from the Basal Coal member of the Fruitland formation, is hereby created and designated the Cedar Hill-Fruitland Basal Coal Pool, with the vertical limits comprising the Basal Coal member of the Fruitland formation as found from approximately 2795 feet to 2878 feet on the type log of the Amoco Production Company Schneider Gas Com "B" Well No. 1,

located 1110 feet from the South line and 1185 feet from the West line of Section 28, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico; and horizontal limits consisting of the following described area:

TOWNSHIP 31 NORTH, RANGE 10 WEST, NMPM
Sections 3 through 6: All

TOWNSHIP 32 NORTH, RANGE 10 WEST, NMPM
Sections 19 through 22: All
Sections 27 through 34: All

comprised of 10,240 acres, more or less, all in San Juan County, New Mexico.

(2) That Temporary Special Rules and Regulations for the Cedar Hill-Fruitland Basal Coal Pool are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS FOR THE
CEDAR HILL-FRUITLAND BASAL COAL POOL
SAN JUAN COUNTY, NEW MEXICO

RULE 1. Each well completed or recompleted in the Cedar Hill-Fruitland Basal Coal Pool or in the Basal Coal member of the Fruitland formation within one mile of the Cedar Hill-Fruitland Basal Coal Pool, and not nearer to or within the limits of another designated Fruitland Basal Coal Pool shall be spaced, drilled, operated, and prorated in accordance with the Special Rules and Regulations hereinafter set forth.

RULE 2. Each well shall be located on a standard unit containing 320 acres, more or less, comprising any two contiguous quarter sections of a single governmental section, being a legal subdivision of the United States Public Land Surveys.

RULE 3. Non-standard spacing or proration units shall be authorized only after notice and hearing.

RULE 4. The first well drilled or recompleted on every standard or non-standard unit in the Cedar Hill-Fruitland Basal Coal Pool shall be located in the NE/4 or SW/4 of a single governmental section and shall be located not closer than 790 feet to any outer boundary of the tract nor closer than 130 feet to any quarter-quarter section or subdivision inner boundary.

RULE 5. The Division Director may grant an exception to the requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the recompletion of a well previously drilled to another horizon. All operators offsetting the proration unit shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Director may approve the application upon receipt of written waivers from all operators offsetting the proration unit or if no objection to the unorthodox location has been entered within 20 days after the Director has received the application.

RULE 6. That any subsequent well drilled or recompleted in an existing Cedar Hill-Fruitland Basal Coal standard or non-standard unit shall be authorized only after notice and hearing.

IT IS FURTHER ORDERED:

(3) That an exception is hereby granted to the Special Rules and Regulations for the Cedar Hill-Fruitland Basal Coal Pool to permit Amoco Production Company to locate its Cahn Gas Com Well No. 1, located 1030 feet from the North line and 1600 feet from the West line of Section 33, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico, at an unorthodox gas well location in the NW/4 of said Section 33.

(4) That any well drilling to or completed in the Basal Coal member of the Fruitland formation within the Cedar Hill-Fruitland Basal Coal Pool or within one mile of said pool either on or before August 1, 1984, that will not comply with the well location requirements of Rule 4 is hereby granted an exception to the requirements of said rule. The operator of any such well shall notify the Aztec District Office of the Division, in writing, of the name and location of any such well on or before November 1, 1984.

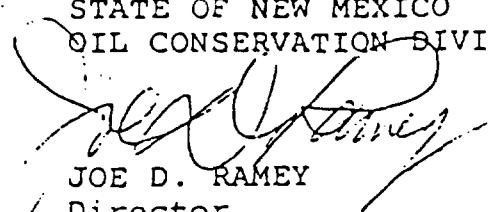
(5) That the vertical limits of the Mount Nebo-Fruitland Pool (created by Division Order No. R-4690, dated December 6, 1973, as amended by Division Order Nos. R-5843 and R-7046, dated November 2, 1978, and August 6, 1982, respectively) are hereby redefined to include the Fruitland formation with the exception of the Basal Coal member as designated on the type log of the Amoco Production Company Schneider Gas Com "B" Well No. 1, as described in Ordering Paragraph No. (1) above.

(6) That this case shall be reopened at an examiner hearing in February, 1986, at which time the operators in the subject pool may appear and show cause why the Cedar Hill-Fruitland Basal Coal Pool should not be developed on 160-acre spacing and proration units.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

S E A L

fd/

Schlumberger **SIMULTANEOUS COMPENSATED NEUTRON FORMATION & DENSITY**

COMPANY AMCO PRODUCTION COMPANY

WELL WOOD GAS CON "A" 01

FIELD HUNT NEAR FORTLAND

COUNTY SAN JUAN STATE NEW MEXICO

Location 1155' FNL & 1745' FCL

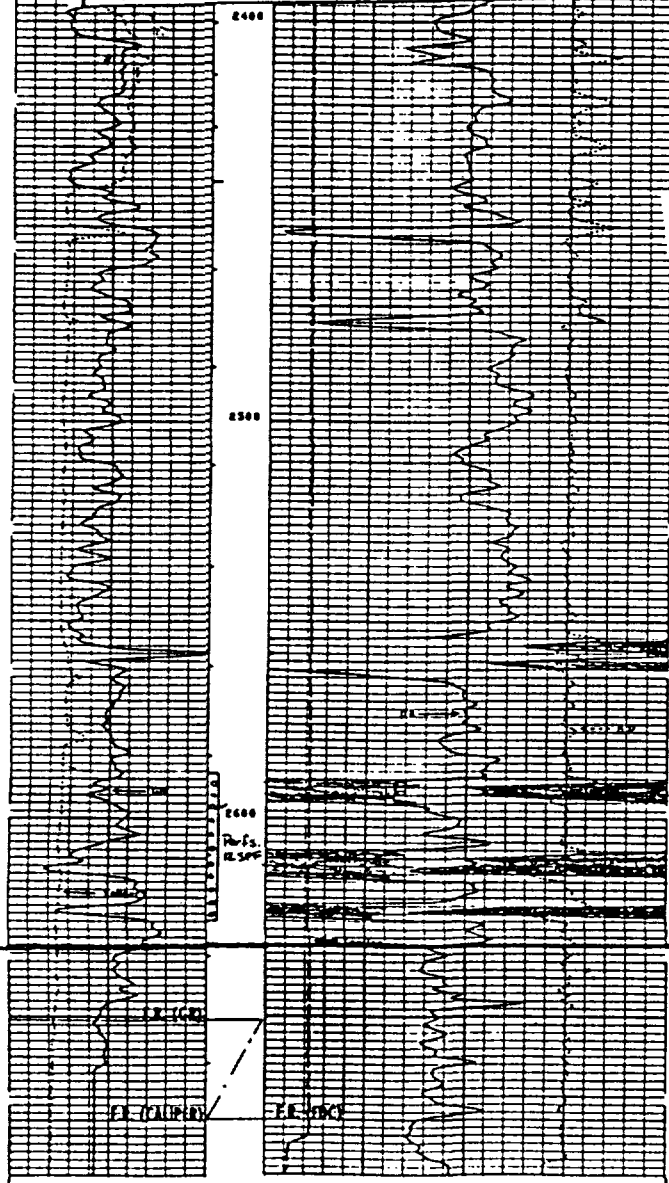
Other Services DIL/SPL

Log Interval 10' 5' 1' 0.5'

Log Measured From 0' 10' 10' 10' 10'

Building Measured From 0' 10' 10' 10' 10'

Other Data 5555 5555 5555 5555



FILE 13 07-APR-04 10:16
DATA ACQUIRED 07-APR-04 10:03

CALL (CIR...) 16,000 16,000 16,000 16,000
GR (GPI) 0.0 0.0 0.0 0.0

RAWD (G/C) 2.0000 2.0000 2.0000 2.0000
RHO (G/CC) 2.0000 2.0000 2.0000 2.0000

GO INTERNATIONAL **COMPENSATED DENSITY LOG**

WELL WOOD GAS CON "A" 01

FIELD HUNT NEAR FORTLAND

COUNTY SAN JUAN STATE NEW MEXICO

Location 1110' FSL & 1105' FWL

Log Interval 10' 5' 1' 0.5'

Log Measured From 0' 10' 10' 10' 10'

Building Measured From 0' 10' 10' 10' 10'

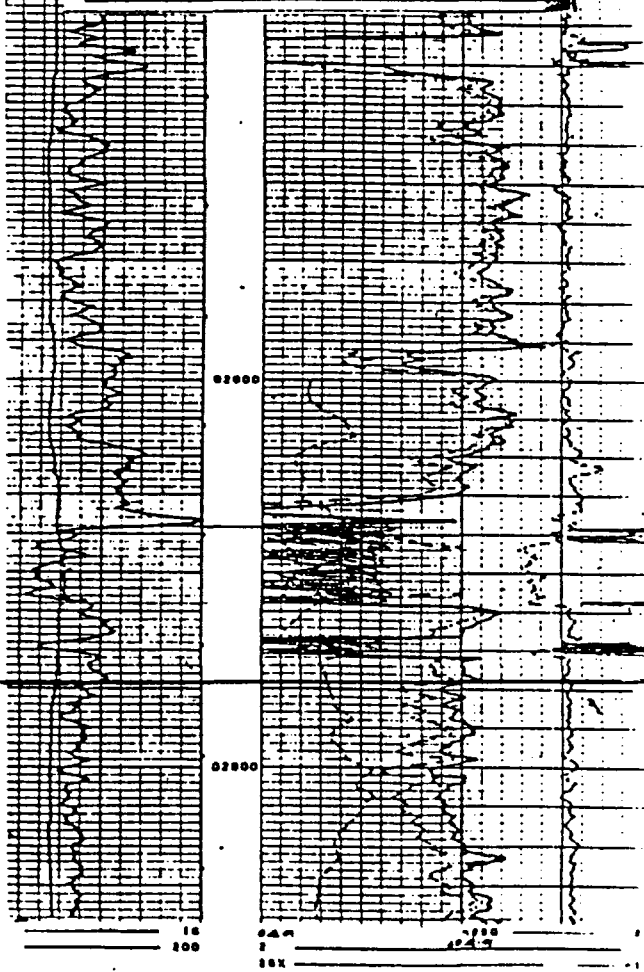
Other Data 5555 5555 5555 5555

Log Interval 10' 5' 1' 0.5'

Log Measured From 0' 10' 10' 10' 10'

Building Measured From 0' 10' 10' 10' 10'

Other Data 5555 5555 5555 5555



FILE 13 07-APR-04 10:16
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CALL (CIR...) 16,000 16,000 16,000 16,000
GR (GPI) 0.0 0.0 0.0 0.0

RAWD (G/C) 2.0000 2.0000 2.0000 2.0000
RHO (G/CC) 2.0000 2.0000 2.0000 2.0000

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 Wood Gas Com. "A" No. 1 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: NONE

AMOCO PRODUCTION COMPANY

ORIGINAL SIGNED BY
BY: STEPHEN D. RING
Stephen D. Ring, Attorney
Amoco Building
Denver, Colorado 80202

APPLICANT'S SWORN STATEMENT

107(CS)

STATE OF COLORADO)
) SS
COUNTY OF DENVER)

John C. Burnside, having first been duly sworn,
states that he is a responsible official of the Applicant, Amoco Production
Company, and further states:

1. That the gas from the Wood Gas Com. "A" No. 1 is being
produced from a coal seam.

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

DATED this 17th day of August, 1984.

AMOCO PRODUCTION COMPANY, Applicant

BY: John C. Burnside

TITLE: Division Production Manager

ADDRESS: Amoco Production Company

Amoco Building

Denver, CO 80202

SUBSCRIBED, SWORN TO, AND ACKNOWLEDGED before me this 17th day of

August, 1984.

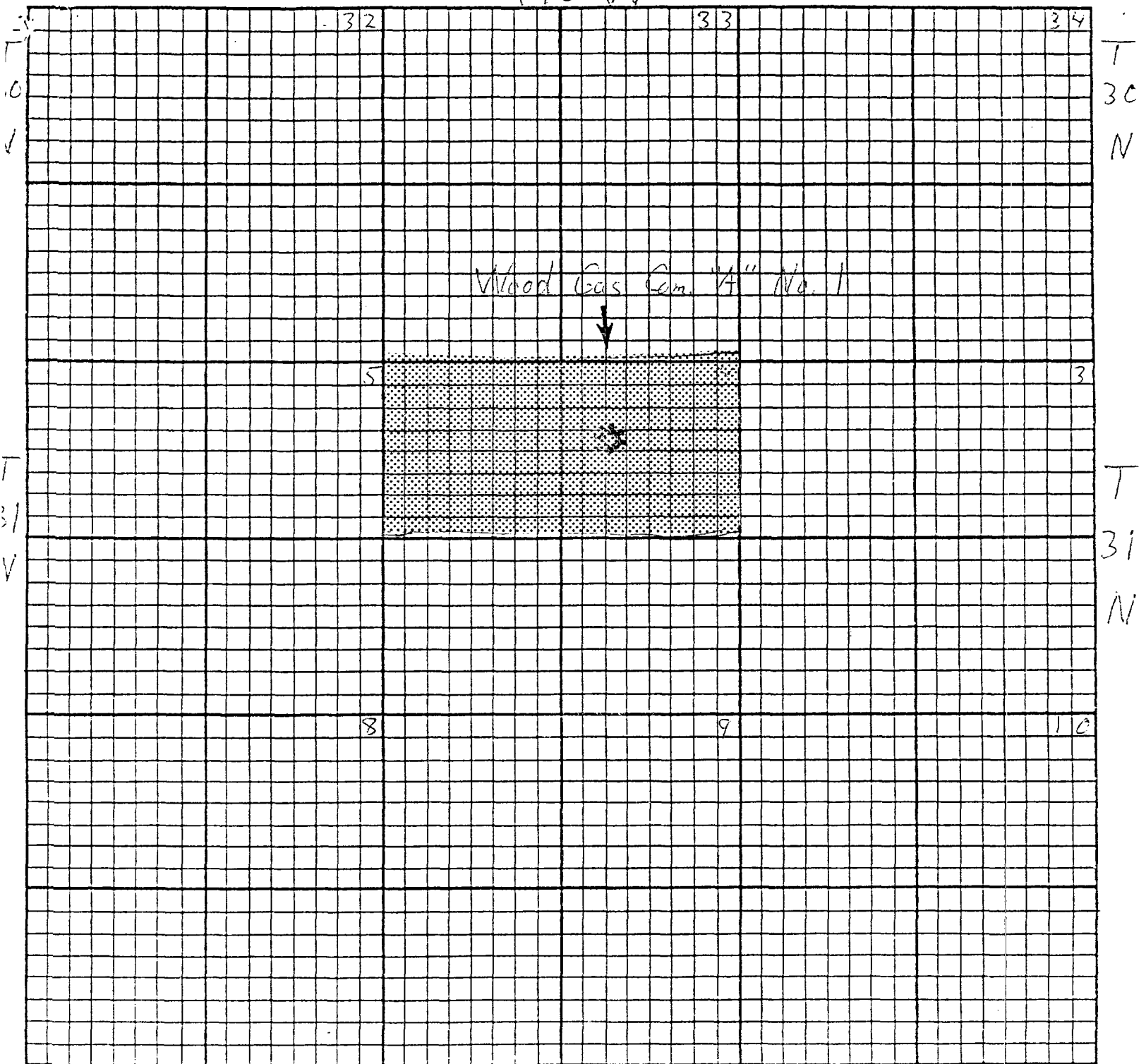
Mary Ann Grier
Notary Public

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

My Commission expires:

My Commission Expires Sept. 12, 1984

R 10 W



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

API WELL NO.: 30-045-25820 APPLICANT: Amoco Production Company

WELL NAME AND NO.: Wood Gas Com. "A" No. 1

LOCATION OF WELL: Mt. Webb Fruitland - San Juan New Mexico
Field County State

LEGEND



Area Attributable To Well For
Which Determination Is Sought

Amoco Contract No.: 96,176
Pate Schedule No.: 768

CORE LABORATORIES, INC. ANALYTICAL REPORT

1-B-85

PAGE 1 OF 1

AMOCO PRODUCTION CO.

ANALYSIS #:

JOB: A50004-1

TECH: RAC

LOCATION: CASPER, WYO.

WELL: WOODS A-1
FIELD:
COUNTY: SAN JUAN
STATE: NEW MEXICO
DATE SAMPLED: 12-28-84

SAMPLING POINT: FRUITLAND FORMATION
SAMPLE TEMP: DEG. F.
SAMPLE PRESSURE: 270 PSIA
REMARKS: #RC3555

CHROMATOGRAPHIC ANALYSIS

	HOL PERCENT	GPM *
CARBON DIOXIDE	2.82	
NITROGEN	0.13	
METHANE	94.04	
ETHANE	2.09	0.557
PROPANE	0.64	0.176
ISD-BUTANE	0.17	0.055
NORMAL BUTANE	0.11	0.035
ISD-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	0.823

CALCULATED BTU/CU.FT. @ 14.730 PSIA
DRY BASIS: 1014
WET BASIS: 996

CALCULATED BTU/CU.FT. @ 14.696 PSIA
DRY BASIS: 1012
WET BASIS: 994

CALCULATED SPECIFIC GRAVITY: 0.6021
(AIR = 1.00)

COMPRESSIBILITY FACTOR: .997866

* GPM CALCULATED AT 14.696 PSIA

Exhibit 15A

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