



Stephen D. Ring
Attorney

Amoco Production Company

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

June 17, 1985

Re: Sammons Gas Com. "I" No. 1
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.

Assuming that an examiner hearing is necessary to the approval of this Application, the undersigned will contact your office shortly to fix a date for such a hearing.

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
Stephen D. Ring

SDR/gmm

Enclosure

cc w/att: El Paso Natural Gas Company (Purchaser)
Moore, Wayne and Jo Ann
Paul Umbach Estate

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

P. O. Box 800, Denver, CO 80201

4. Location of Well

UNIT LETTER B LOCATED 945 FEET FROM THE North LINE
AND 1580 FEET FROM THE East LINE OF SEC. 6 TWP. 31N REC. 10W RMPM

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 ☐

REC ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Form or Lease Name

Sammons Gas Com. "I"

9. Well No.

1

10. Field and Pool, or Wildcat

Cedar Hill Basal Coal

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

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

☒ 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 Marketing Manager

Date 6-7-85

FOR DIVISION USE ONLY

☐ Approved

☐ Disapproved

The information contained herein includes all
of the information required to be filed by the
applicant under Subpart 5 of Part 276 of the
FERC regulations.

EXAMINER

EXH. 2

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

Form Approved
OMB No. 1902-0038
(Expires 12/31/84)

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. 96176 Spud Date 1-19-85

**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 - 26087 -				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA		2 Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	2664 feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>Amoco Production Company</u> Name <u>1670 Broadway, P.O. Box 800</u> Street <u>Denver</u> City				<u>000569</u> Seller Code <u>CO</u> State <u>80201</u> Zip Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>Cedar Hill Basal Coal</u> Field Name <u>San Juan</u> Country <u>NM</u> 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.)	<u>Sammons Gas Com. "I" No. 1</u>				
(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.)	<u>El Paso Natural Gas Company</u> Name				<u>005708</u> Buyer Code
(b) Date of the contract:	<u>10/1/85</u> Mo. Day Yr.				
(c) Estimated total annual production from the well:	<u>200</u> Million Cubic Feet				
		(a) Base Price June '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	<u>6.008</u>	<u>.384</u>	_____	<u>6.392</u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>6.008</u>	<u>.384</u>	_____	<u>6.392</u>
9.0 Person responsible for this application:	<u>J. H. Goble</u> Regional Natural Gas Marketing Manager Name Title Signature <u>G-7-85</u> Date Application is Completed (303) 830-4311 Phone Number				
Agency Use Only					
Date Received by Juris. Agency					
Date Received by FERC					

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FILE	
J.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form 7-101
Revised 1-1-65

1A. Indicate Type of Lease
STATE ☐ FEDERAL ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

Type of Well
OIL WELL ☐ GAS WELL ☒ OTHER ☐

DRILL ☒ DEEPEN ☐ PLUG BACK ☐

SINGLE ZONE ☒ MULTIPLE ZONE ☐

Name of Operator
Amoco Production Company

Address of Operator
501 Airport Drive, Farmington, New Mexico 87401

Location of Well
UNIT LETTER B LOCATED 945 FEET FROM THE North LINE
1580 FEET FROM THE East LINE OF SEC. 6 TWP. 31N RCE. 10W NMPM

7. Unit Agreement Name

8. Firm or Lease Name
Sammons Gas Com I

9. Well No.
#1

10. Field and Pool, or Wildcat
Cedar Hill Basal Coal

12. County
San Juan

19. Proposed Depth
2685

19A. Formation
Cedar Hill Basal

20. Rotary or C.T.
Rotary

Elevations (Show whether DF, RT, etc.)
5888' GR

21A. Kind & Status Plug. Bond
Statewide

21B. Drilling Contractor
Unknown

22. 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 - 1/4"	9 - 5/8"	32.3#, K-55	300'	234 Cu. Ft.	Class B - Surface
8 - 3/4"	7"	23#, K-55	2685'	415 Cu. Ft.	Class B - Bubble Cement to Surface

Amoco proposes to drill the above well to further develop the Cedar Hill Basal Coal 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 under contract No. 96,176.

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 above is true and complete to the best of my knowledge and belief.

B.D. Shaw Title Adm. Supervisor Date 9-14-84

(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.

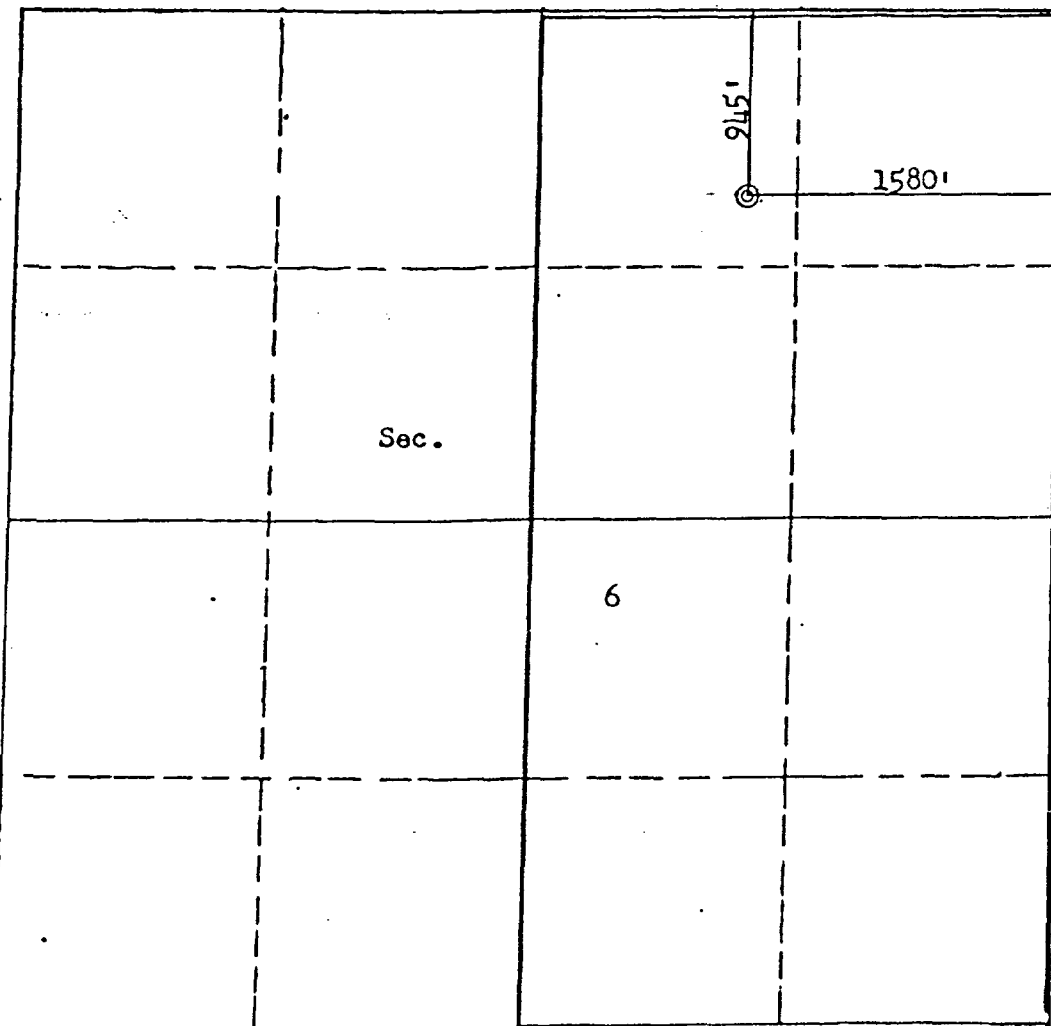
Operator AMOCO PRODUCTION COMPANY			Lease SAMMONS GAS COM "I"		Well No. 1
Unit Letter B	Section 6	Township 31N	Range 10W	County San Juan	
Actual Footage Location of Well: 945 feet from the North line and 1580 feet from the East line					
Ground Level Elev: 5888	Producing Formation Cedar Hill Basal		Pool Cedar Hill Basal Coal		Dedicated Acreage: 320 Acres

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

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

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.



CERTIFICATION

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

B.D. Shaw

Name

B. D. Shaw

Position

Administrative Supervisor

Company

Amoco Production Company

Date

9/14/84

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 31, 1984

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certification No. 1111
1950

EXH. 5

Scale: 1"=1000'

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LAND OFFICE	
OPERATOR	

Form C-103
Revised 11-4-84

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State <input type="checkbox"/> Free <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.

1a. TYPE OF WELL				7. Unit Agreement Name																					
b. TYPE OF COMPLETION				8. Farm or Lease Name																					
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____ NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVEN. <input type="checkbox"/> OTHER _____				Sammons Gas Com I																					
2. Name of Operator				9. Well No.																					
Amoco Production Co.				1																					
3. Address of Operator				10. Field and Pool or Wildcat																					
501 Airport Drive, Farmington, N M 87401				Cedar Hill Fruitland Basal Coal																					
4. Location of Well				11. County																					
UNIT LETTER <u>B</u> LOCATED <u>945</u> FEET FROM THE <u>North</u> LINE AND <u>1580</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>6</u> TWP. <u>31N</u> RGE. <u>10W</u> NMPM				San Juan																					
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DF. HALL, RT, GR, etc.)																			
1/19/85		1/23/85		4/29/85		5900' KB																			
19. Elev. Casinghead		20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many																			
5888' GR		2734'		2691'		Single																			
23. Intervals Drilled By		24. Producing Interval(s), of this completion - Top, Bottom, Name		25. Was Directional Survey Made		26. Type Electric and Other Logs Run																			
O-TD		2620' 2664' Fruitland Basal Coal		Yes		DIL-SP-GR, FDC-CNL-GR-CAL, BHC-SONIC-GR																			
27. Was Well Cored		28. CASINO RECORD (Report all strings set in well)																							
No		<table border="1"> <thead> <tr> <th>CASINO SIZE</th> <th>WEIGHT LB./FT.</th> <th>DEPTH SET</th> <th>HOLE SIZE</th> <th>CEMENTING RECORD</th> <th>AMOUNT PULLED</th> </tr> </thead> <tbody> <tr> <td>9-5/8"</td> <td>32.2#, J55</td> <td>302'</td> <td>12-1/4"</td> <td>236 cf Class B</td> <td></td> </tr> <tr> <td>7"</td> <td>23#, K55</td> <td>2734'</td> <td>8-3/4"</td> <td>413 cf Class B Ideal and tailed in with 118 of Class B Ideal</td> <td></td> </tr> </tbody> </table>						CASINO SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	9-5/8"	32.2#, J55	302'	12-1/4"	236 cf Class B		7"	23#, K55	2734'	8-3/4"	413 cf Class B Ideal and tailed in with 118 of Class B Ideal	
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29. LINER RECORD				30. TUBING RECORD																					
<table border="1"> <thead> <tr> <th>SIZE</th> <th>TOP</th> <th>BOTTOM</th> <th>SACKS CEMENT</th> <th>SCREEN</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN						<table border="1"> <thead> <tr> <th>SIZE</th> <th>DEPTH SET</th> <th>PACKER SET</th> </tr> </thead> <tbody> <tr> <td>2-7/8"</td> <td>2665'</td> <td></td> </tr> </tbody> </table>				SIZE	DEPTH SET	PACKER SET	2-7/8"	2665'			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN																					
SIZE	DEPTH SET	PACKER SET																							
2-7/8"	2665'																								
31. Perforation Record (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																					
2620'-2664', 12 jspf, .50" in diameter, for a total of 528 holes				<table border="1"> <thead> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> </thead> <tbody> <tr> <td>2620'-2664'</td> <td>234,000 gal 30# and 40# gel and 467,000# 10-20 sand</td> </tr> </tbody> </table>				DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	2620'-2664'	234,000 gal 30# and 40# gel and 467,000# 10-20 sand														
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																								
2620'-2664'	234,000 gal 30# and 40# gel and 467,000# 10-20 sand																								
33. PRODUCTION																									
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)																			
5/13/85		Flowing				Shut-in																			
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio																		
5/14/85	3 hrs.	.75"			113																				
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)																			
200 psig	215 psig			903																					
34. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By																			
To be acid						J.J. Barnett																			
35. List of Attachments																									
None																									
36. 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.																									
NAME <u>BDS Shaw</u>				TITLE <u>Adm. Supervisor</u>		DATE <u>6/6/85</u>																			

EXH. 6
P. 1

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all observed and interpreted logs run on the well and a summary of all special tests conducted, including self-potential tests. All logs reported shall be measured depth. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, zones 11 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where no copies are required. Use Rule 1102.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	1455	T. Penn. "B"
T. Salt	T. Strawn	T. Kirland-Fruitland	2058	T. Penn. "C"
T. Salt	T. Atoka	T. Pictured Cliffs	2670	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House		T. Leadville
T. 7 Rivers	T. Devonian	T. Menafee		T. Madison
T. Queen	T. Silurian	T. Point Lookout		T. Elbert
T. Grayburg	T. Montoya	T. Mancos		T. McCracken
T. San Andres	T. Simpson	T. Gallup		T. Ignacio Quartz
T. Glorieta	T. McKee	Baso Greenhorn		T. Granite
T. Paddock	T. Ellenburger	T. Dakota		T.
T. Minebry	T. Gr. Wash	T. Morrison		T.
T. Tubb	T. Granite	T. Todillo		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 (Bough 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)

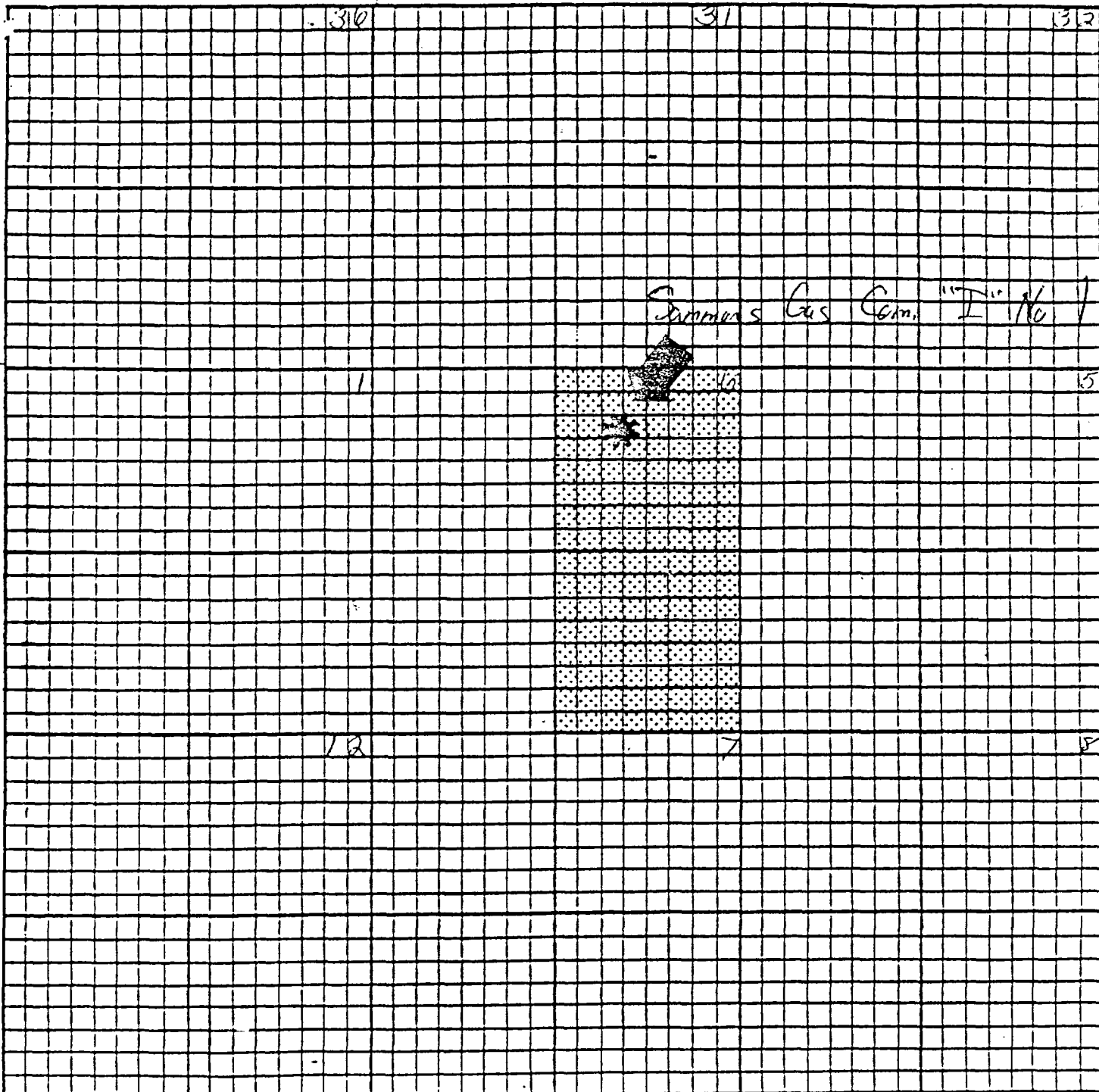
From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1455	1455	Nacimiento				
1455	2058	603	OJO Alamo				
2058	2670	612	Kirland-Fruitland				
2670	TD	---	Pictured Cliffs				

211W

R10W

T
32
N

T
31
N



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

API WELL NO.: 30-095-26007 APPLICANT: Amoco Production Company

WELL NAME AND NO.: Sammons Gas Com I #1

LOCATION OF WELL: Cedar Hill 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.: 7-8

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 32, 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.

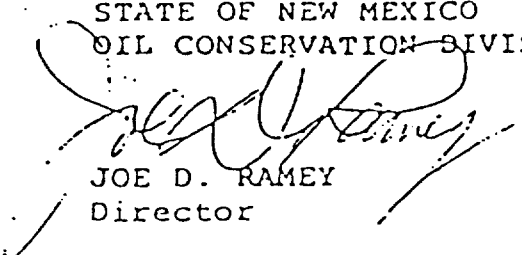
Order No. R-7588

(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/

Dresser Atlas

DRESSER

COMPENSATED DENSILOG®
COMPENSATED NEUTRON
GAMMA RAY

FILE NO.

API NO.

3004526087

Company AMOCO PRODUCTION COMPANY
Well SAMMONS GAS COM I NO. 1
Field CEDAR HILL FRUITLAND
County SAN JUAN State N.M.

Location:

945' FNL & 1580' FEL
NE NE

OTHER SERVICES

DIFL-GR
BHC-AC-GR

Sec 6 Twp 31N R9E 10W

PERMANENT DATUM G.L. ELEV. 5888
LOGGING MEASURED FROM K.B. 12 FT. ABOVE P.D.
DRILLING MEASURED FROM K.B.

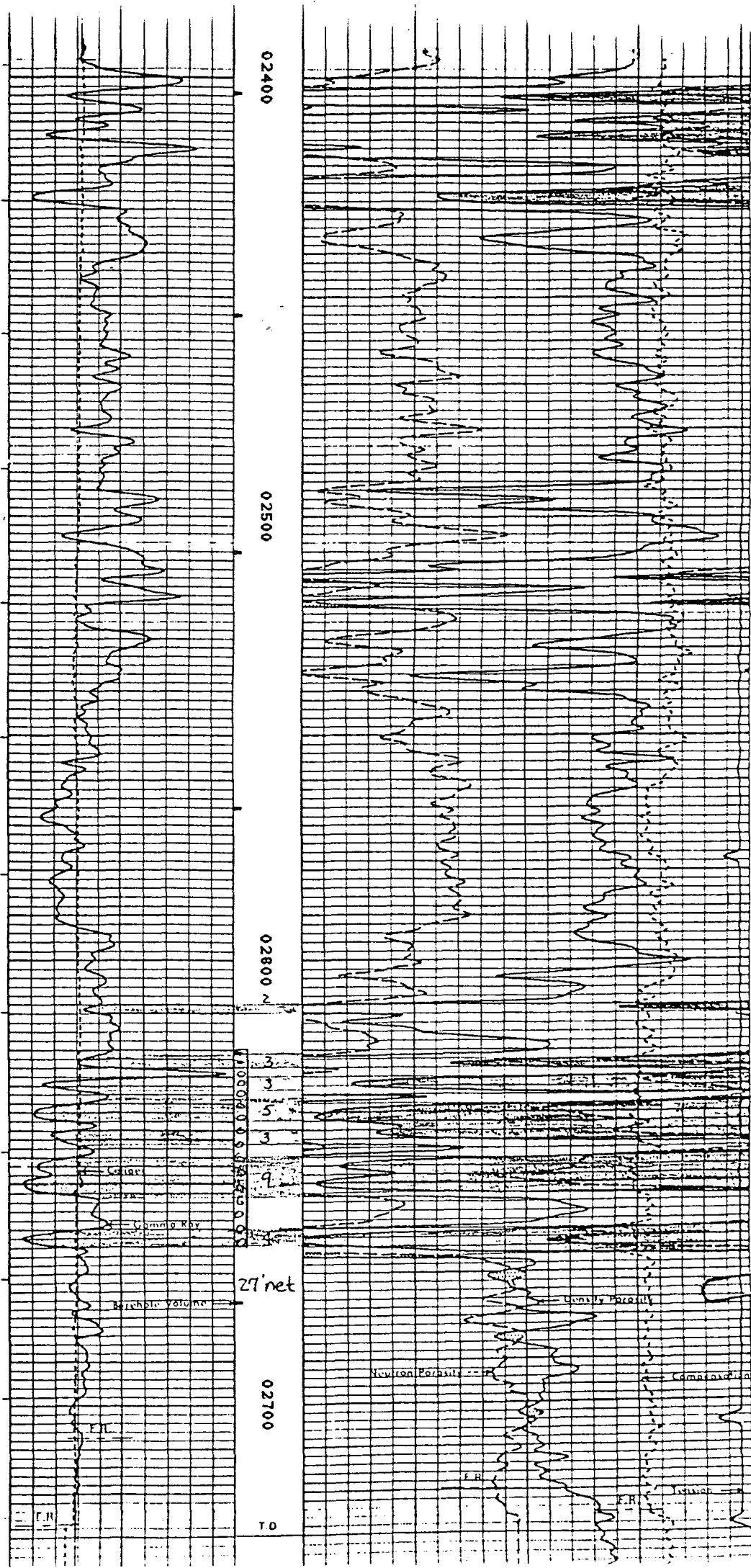
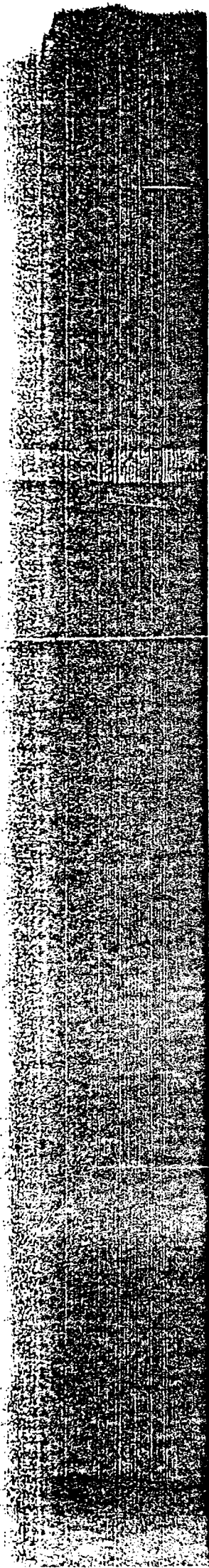
ELEVATIONS

KB 5900
OF 5900
GL 5888

DATE	1-22-85
RUN	1
SERVICE ORDER	90809
DEPTH-DRILLER	2730
DEPTH-LOGGER	2730
BOTTOM LOGGED INTERVAL	2728
TOP LOGGED INTERVAL	1730
CASING - DRILLER	9 5/8 @ 300
CASING - LOGGER	302
BIT SIZE	8 3/4
TYPE FLUID IN HOLE	L.S.N.O.
DENSITY AND VISCOSITY	9.0 36
PH AND FLUID LOSS	7.6 11.0
SOURCE OF SAMPLE	FLOWLINE
RM AT MEAS. TEMP.	.58 @ 60
RMF AT MEAS. TEMP.	.96 @ 62
RMC AT MEAS. TEMP.	.754 @ 62
SOURCE OF RMF / RMC	MEASURED MEASURED
RM AT BHT	.4 @ <100
TIME SINCE CIRCULATION	5.0 HRS
MAX. REC. TEMP. DEG. F	<100
EQUIP. NO. / LOC.	HL 6361 FARMINGTON
RECORDED BY	HEWITT
WITNESSED BY	MR. JOHN HATCH

PRINT

FILED



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 Sammons Gas Com. "I" No. 1 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 2th day of June, 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 2th day of

June, 1985.

Mary Ann Rous
 Notary Public

My Commission expires:

8-23-88

AMOCO BUILDING
 1670 BROADWAY
 DENVER, CO 80202

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 Sammons Gas Com. "I" 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:

Moore, Wayne and Jo Ann
403 North Marienfeld
Midland, Texas 79701

Paul Umbach Estate
Box 1648
Boulder, CO 80306

AMOCO PRODUCTION COMPANY

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

Exhibit 14

EL PASO NATURAL GAS COMPANY
RPT-ASL 202 CHROMATOGRAPHIC GAS ANALYSIS REPORTRPT DATE 09 28 79
ANAL DATE 09 26 79METER STATION NAME
SAMMONS GAS COM G #1 PCMETER STA 90032
GPER 0203

TYPE CODE	SAMPLE DATE	EFF. DATE	USE MOS.	SCALE	H2S GRAINS	LOCATION
00	09 24 79	09 28 79	06	1	0000*	4 F 03

NORMAL
MOL%

GPM

C O 2 01.53 0.000

H 2 S 00.00* 0.000

N2 00.52 0.000

METHANE 87.48 0.000

ETHANE 06.41

PROPANE 02.45

ISO-BUTANE 00.39

NORM-BUTANE 00.62 0.195

ISO-PENTANE 00.19 0.070

NORM-PENTANE 00.14 0.051

HEXANE PLUS 00.27 0.118

TOTALS 100.00 2.949

SPECIFIC GRAVITY 0.655

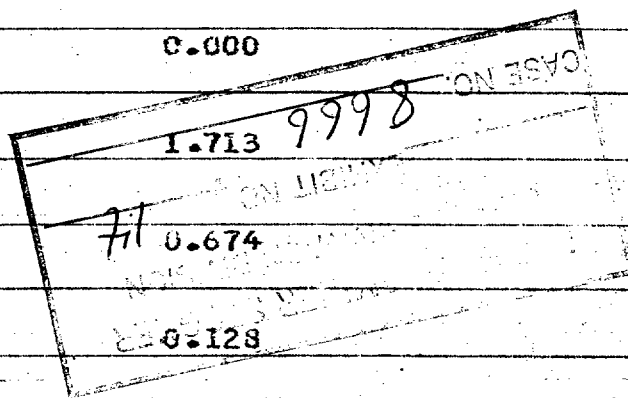
MIXTURE HEATING VALUE

(BTU/CF @ 14.73 PSIA, 60 DEGREES, DRY) 1125

RATIO OF SPECIFIC HEATS

1.293

* NO TEST SECURED FOR DETERMINATION H2S CONTENT.





Dual Induction Focused Log



FILE NO.

FM-6909

API NO.

30-045-26087

COMPANY AMOCO PRODUCTION COMPANY

WELL SAMMONS GAS COM 1 NO. 1

FIELD CEDAR HILL FRUITLAND

COUNTY SAN JUAN STATE NEW MEXICO

LOCATION:

945' FNL, 1580' FEL
NE, NE

Other Services

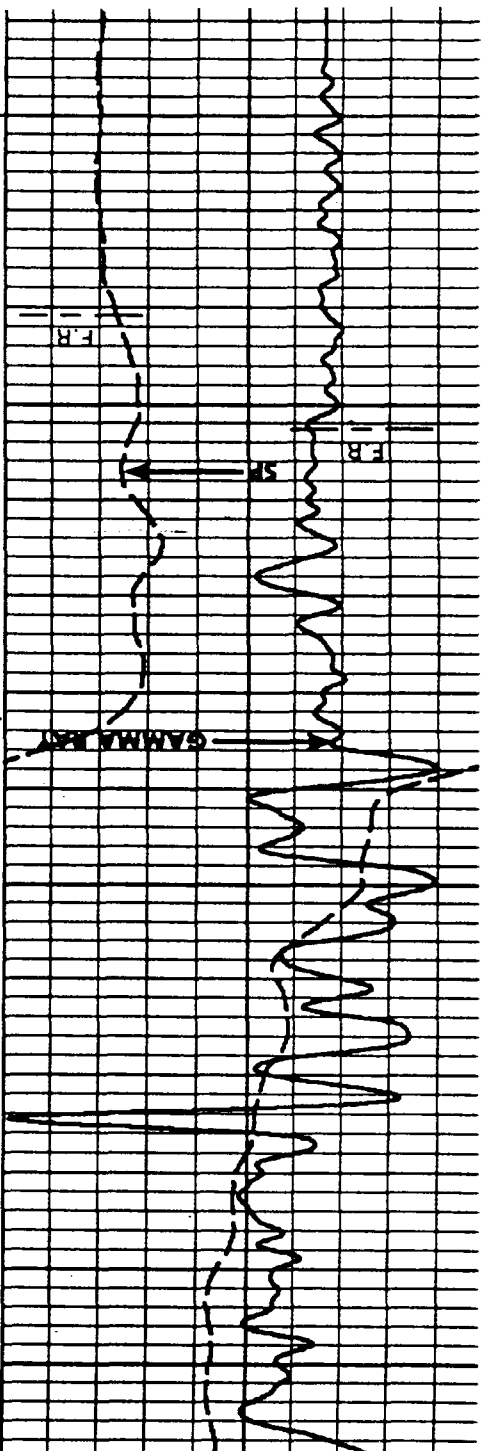
CDL/CN/GR
BHC/AL/GR

SEC 6 TWP 31N RGE 10W

Permanent Datum G.L. Elev. 5888
Log Measured from K.B. 12 Ft. Above Permanent Datum
Drilling Measured from K.B.

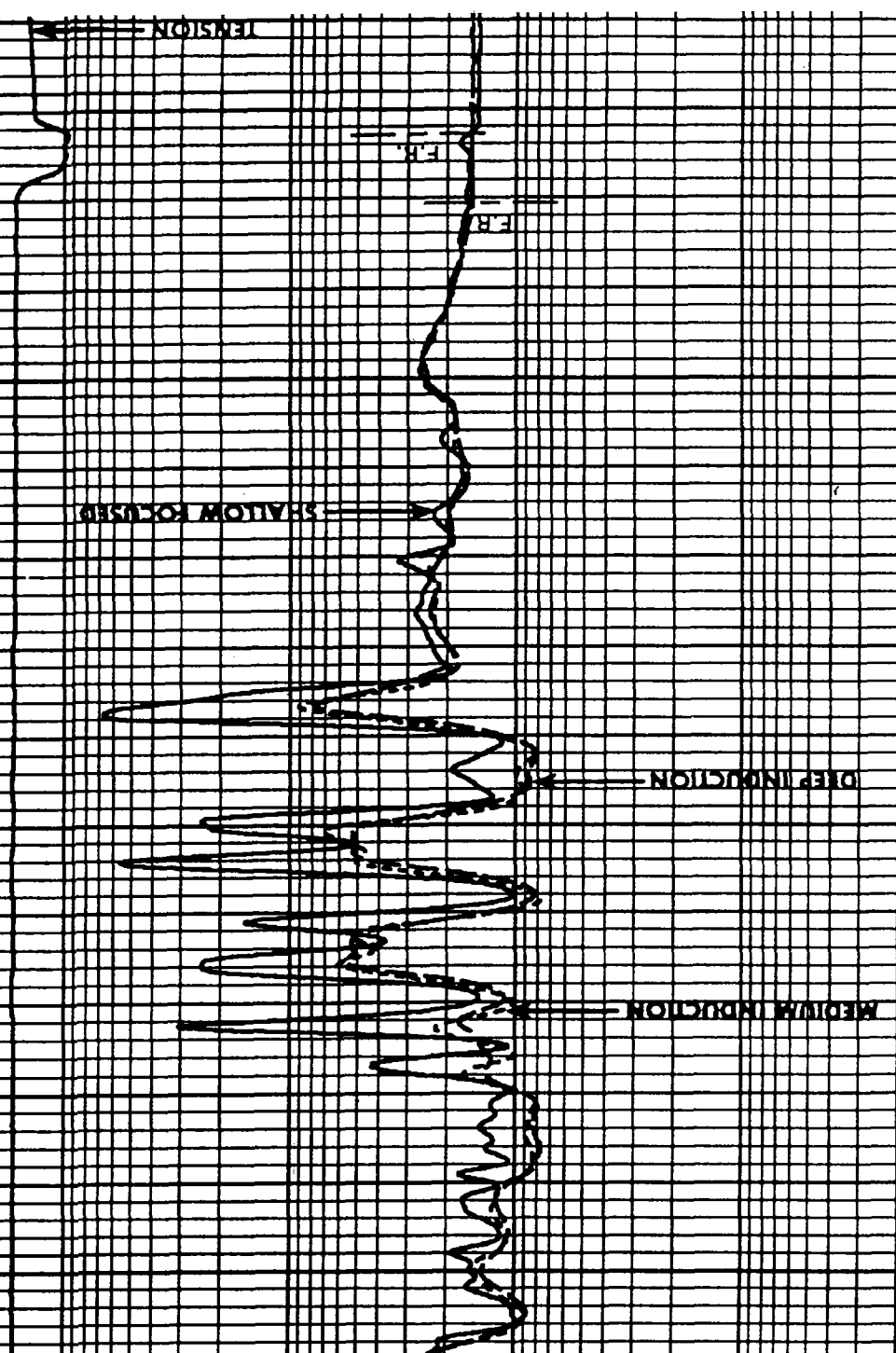
Elev. 5900
KB 5900
DF 5888
GL 5888

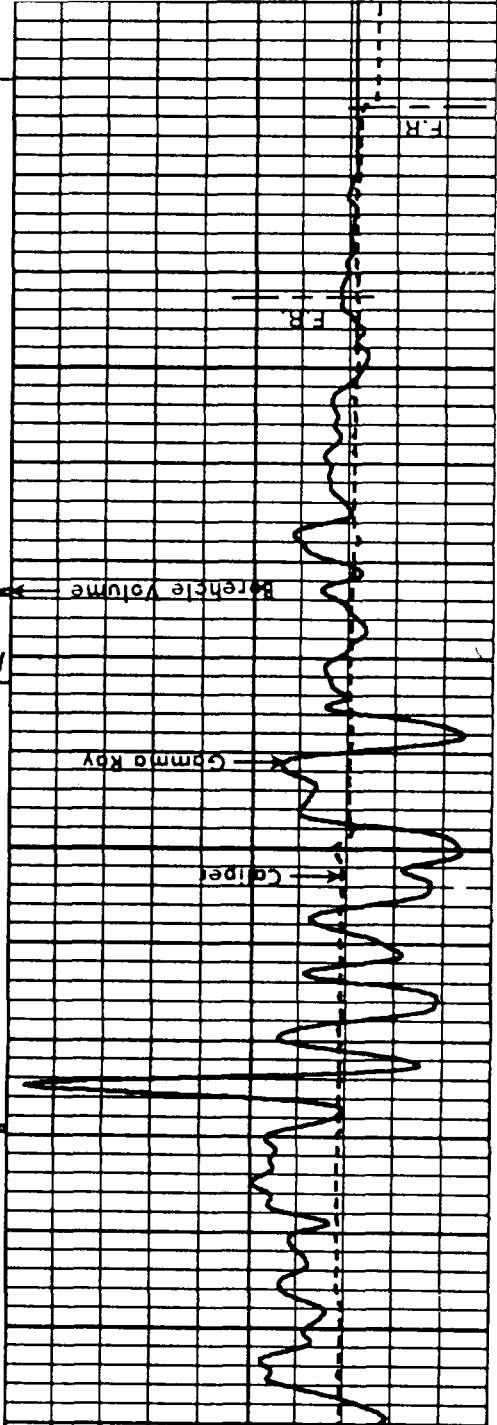
Date	1-22-85	ONE		
Run No.	90809			
Service Order	2730			
Depth — Driller	2730			
Depth — Logger	2730			
Bottom Logged Interval	2728			
Top Logged Interval	302			
Casing — Driller	9 5/8 @ 300			
Casing — Logger	302			
Bit Size	8 3/4			
Type Fluid in Hole	L.S.N.D.			
Density and Viscosity	9.0 36			
pH and Fluid Loss	7.6 11.0c			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	.580 @ 60°F			
Rmt @ Meas. Temp.	.960 @ 62°F			
Rmc @ Meas. Temp.	.754 @ 62°F			
Source of Rmt and Rmc	MEASURED			
Rm @ BHT	.4 @ <100F			
Time Since Circ.	2.5 HOURS			
Max. Rec. Temp. Deg. F.	<100 °F			
Equip. No. and Location	6361 FARM			
Recorded By	HEWITT			
Witnessed By	HATCH			



Pictured
Cliffs

Perf.
GAS
CO2



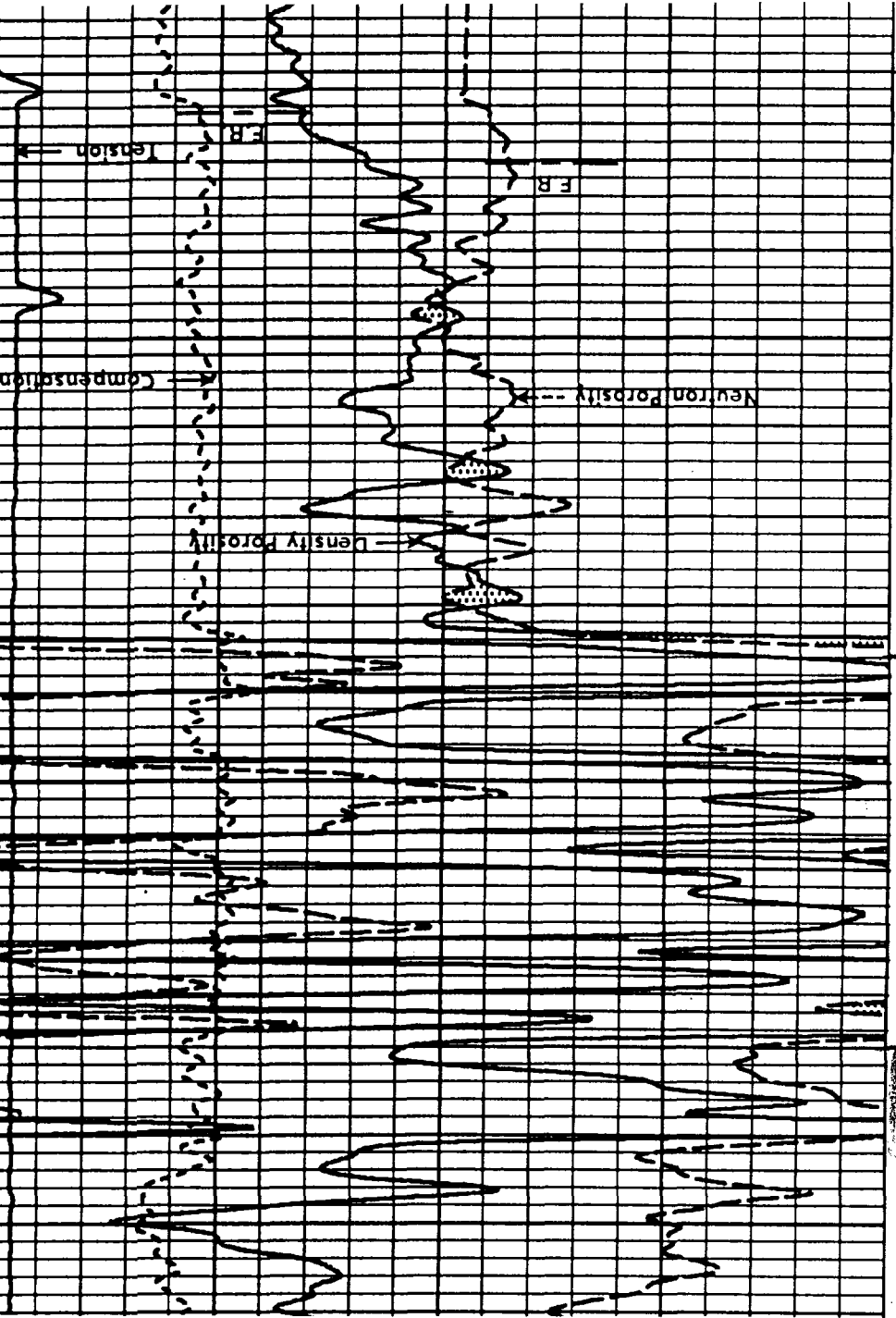


T.D. 00L20

Pictured
Cliff

Base
Coal

00820



DRESSER

COMPENSATED DENSILOG®
COMPENSATED NEUTRON
GAMMA RAY 9B

FILE NO.

Company AMOCO PRODUCTION COMPANY

API NO.

3004526087

Well 1 SAMMONS GAS COM I NO. 1

Field CEDAR HILL FRUITLAND

County SAN JUAN State N.M.

Location:

945' FNL & 1580' FEL
NE NE

OTHER SERVICES

DIFL-CR
BHC-RC-CR

Sec 6 Twp 31N R 00E 10W

PERMANENT DATUM G.L.

ELEV. 5888

ELEVATIONS

LOGGING MEASURED FROM K.B.

12 FT. ABOVE P.O.

DILLING MEASURED FROM K.B.

KB 5900
DF 5900
GL 5888

DATE

1-22-85

RUN

1

SERVICE ORDER

90809

DEPTH-DRILLER

2730

DEPTH-LOGGER

2730

BOTTOM LOGGED INTERVAL

2128

TOP LOGGED INTERVAL

1730

CASING - DRILLER

9 5/8

CASING - LOGGER

302

BIT SIZE

8 3/4

TYPE FLUID IN HOLE

L.S.N.D.

DENSITY AND VISCOSITY

9.0

PH AND FLUID LOSS

7.6

SOURCE OF SAMPLE

FLOWLINE

RM AT MERS. TEMP.

.58

RMF AT MERS. TEMP.

.96

RMC AT MERS. TEMP.

.754

SOURCE OF RMF / RMC

MEASURED

RM AT BHT

.4

TIME SINCE CIRCULATION

5.0 HRS

MAX. REC. TEMP. DEG. F

<100

EQUIP. NO. / LOC.

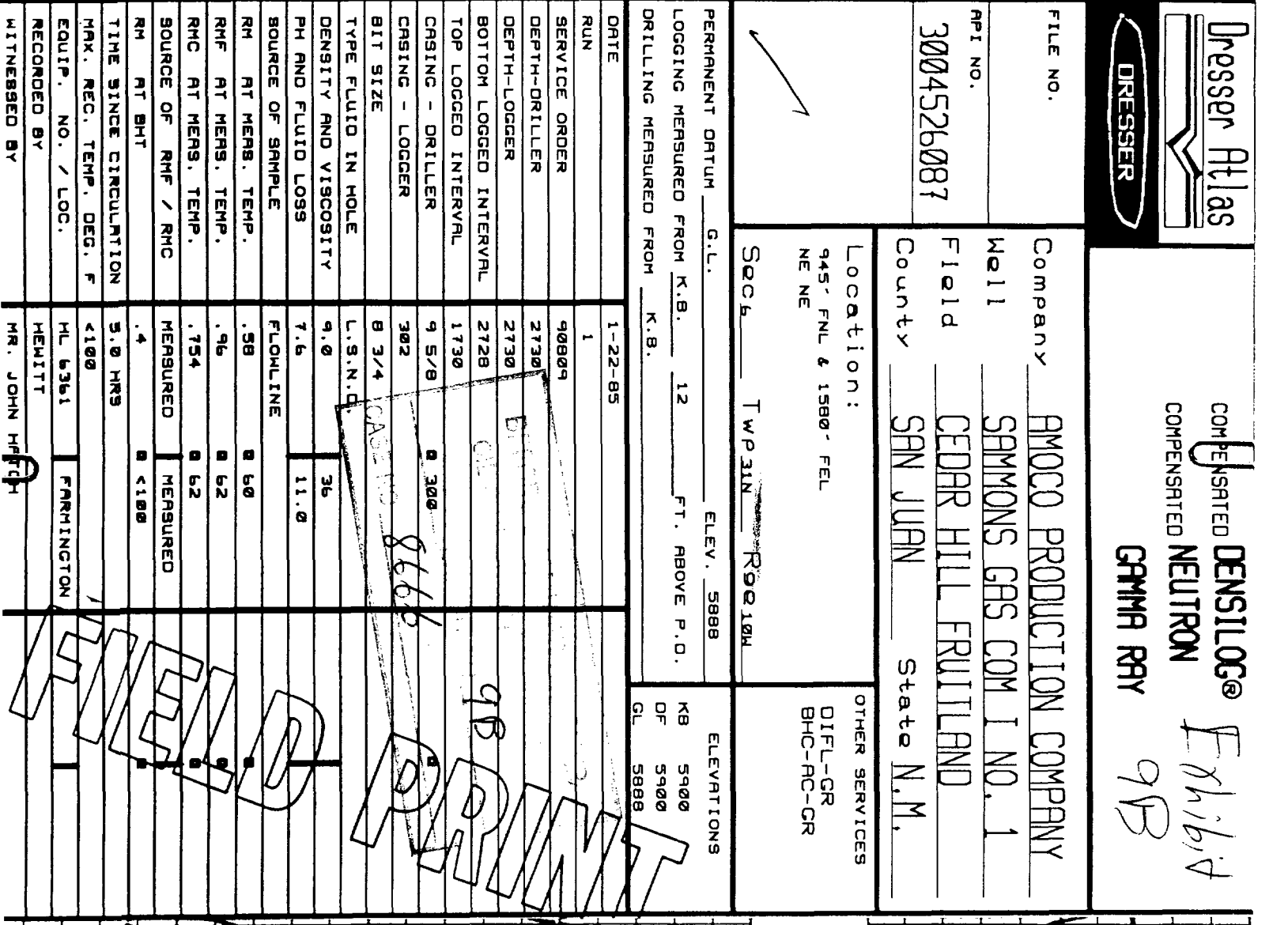
HL 6361

RECORDED BY

HEWITT

WITNESSED BY

MR. JOHN H. Fitch



E x h i b i t 13

REPORT CYP DIST 40 DATE RUN 85-08-22-15

MEASUREMENT DEPARTMENT
METER HISTORY
STATION LEVEL

BUS. NO 85-08

PAGE 1

MASTER

STATION 195-277-10

AFR CLASS SITE STATE CNTY P/L P/L DIV DIST MEAS CHT PLANT CUST INTRA CRIT DIV COMP
670 A 31 045 0000 M.P. OFF OFF SCH RUN OPER STATE MTR TOT CODE

AFS NAME LINE

SAMMONS GAS CON 1 #1 1

AFU ATMOS AMB CAL/GRAV BTU STD CALC CHT CHG LAT CONT MAOP BTU/TV MTR CALB X
PRESS TEMP DIST CD TEMP GROUP HR 2000 0 1 2
11.90 52 000 1 00 04 37 12 2000 0 1 2

CHROMATOGRAPH

EFF. DATE TYP TST LOC MOD H2S H2S N2 PRO ISO NORM ISO NORM METH CO2 ETH HEX TOTAL BTU SPEC
LIFE GRN GRN H2S H2S N2 PANE BUT BUT BUT PEN PEN ANE ANE+ GPM GRAV
85-05-28 13 03 M 0000 .00 .19 1.55 .32 .37 .14 .10 89.95 3.03 4.11 .24 1.939 1069 .641

EXHIBIT 13
CASE NO. 8666

Exhibit 12

AMOCO PRODUCTION COMPANY
DENVER REGION
NMOC D HEARING
January 18, 1984
Case 8015
GAS ANALYSES - MAIN BASAL COAL
MOUNT NEBO FRUITLAND FIELD
CAHN GAS COM NO. 1
1,030' FNL x 1,600' FWL
SECTION 33-T32N-R10W
SAN JUAN COUNTY, NEW MEXICO

DATE: 1-18-84
CASE NO: 8666
12

Date Tested	Helium	Nitrogen	Carbon Dioxide	Methane	Ethane	Propane	Isobutane	Normal Butane	Pentane	Hexane +	BTU	Gr
03/77	0.00	0.00	7.33	92.32	0.35	0.00	0.00	0.00	0.00	0.00	939	0.6262
07/79	0.00	1.38	6.39	92.02	0.20	0.00	0.00	0.00	0.00	0.00	934	0.6225
09/80	0.00	0.05	5.68	93.62	0.48	0.12	0.03	0.01	0.00	0.01	963	0.6140
12/81	0.00	0.31	1.89	85.35	7.08	2.83	0.35	0.84	0.51	0.84	1,160	0.6846
12/81	0.00	0.24	1.64	84.98	7.49	3.03	0.41	0.90	0.67	0.64	1,171	0.6863
08/82	0.02	0.00	6.39	93.30	0.29	0.00	0.00	0.00	0.00	0.00	947	0.6168
08/82	0.02	0.00	6.38	93.38	0.22	0.00	0.00	0.00	0.00	0.00	947	0.6164
09/82	0.00	0.43	5.30	93.16	0.67	0.25	0.05	0.05	0.03	0.06	971	0.6170
11/82	0.00	0.00	6.63	93.17	0.16	0.04	0.00	0.00	0.00	0.00	945	0.6190
11/82	0.00	0.14	6.37	93.30	0.16	0.03	0.00	0.00	0.00	0.00	946	0.6170
11/82	0.09	0.00	6.33	93.37	0.18	0.03	0.00	0.00	0.00	0.00	947	0.6157
STATE GAS COM "BX" NO. 1												
SW NE SW 32-32N-10W												
07/83	-	0.11	7.05	92.82	0.17	0.03	0.01	0.00	0.00	0.01	944	0.6250
STATE GAS COM "G" NO. 1												
SW NE SW 27-32N-10W												
08/83	-	0.35	3.76	92.26	2.24	0.80	0.13	0.20	0.12	0.14	1,019	0.6220

Note: Numbers are volume %

SMA/ljp
011384
TAB851

AMOCO PRODUCTION COMPANY
DENVER REGION
NMOC D HEARING
January 18, 1984
Case 8015
GAS ANALYSES
MOUNT NEBO FRUITLAND FIELD
SAN JUAN COUNTY, NEW MEXICO

<u>Pictured Cliff Wells</u>	<u>Date Tested</u>	<u>Helium</u>	<u>Nitrogen</u>	<u>Carbon Dioxide</u>	<u>Methane</u>	<u>Ethane</u>	<u>Propane</u>	<u>Isobutane</u>	<u>Normal Butane</u>	<u>Pentane</u>	<u>Hexane +</u>	<u>BTU</u>	<u>Gr</u>
Martinez Gas Com A1	09/77	0.00	0.15	1.37	89.07	5.83	2.12	0.34	0.54	0.32	0.26	1,115	0.6440
NW SE SW 32-32N-10W	12/81	0.09	0.17	1.52	86.10	6.57	2.53	0.32	0.63	0.35	1.72	1,184	0.6930
	11/82	0.00	0.33	1.70	87.99	5.74	2.20	0.32	0.57	0.30	0.85	1,130	0.6625
Gardner Gas Com No. 1	12/81	0.30	0.21	1.74	89.44	4.75	1.60	0.11	0.48	0.27	1.10	1,114	0.6524
SW NE SE 33-32N-10W	09/82	0.00	0.22	1.78	90.02	4.86	1.89	0.30	0.44	0.24	0.25	1,095	0.6370
*Valentine Gas Com B1	09/79	0.17	0.12	5.91	93.70	0.00	0.07	0.00	0.00	0.00	0.03	950	0.6122
SW NE NE 32-32N-10W	12/81	0.00	0.25	5.77	93.26	0.42	0.09	0.03	0.04	0.04	0.10	964	0.6190
	09/82	0.00	0.20	5.56	93.21	0.54	0.28	0.05	0.07	0.04	0.05	971	0.6190
Leeper Gas Com C1													
NE SE SW 34-32N-10W	10/80	0.00	0.15	1.49	90.16	5.09	1.93	0.33	0.42	0.25	0.18	1,098	0.6340

Note: Numbers are volume %

*Believed to be in communication with Fruitland Coal.

AMOCO PRODUCTION COMPANY
 DENVER REGION
 NMOC D HEARING
 January 18, 1984
 Case 8015
 GAS ANALYSES
 MOUNT NEBO FRUITLAND FIELD
 SAN JUAN COUNTY, NEW MEXICO

<u>Fruitland Wells</u>	<u>Date</u>	<u>Helium</u>	<u>Nitrogen</u>	<u>Carbon</u>	<u>Methane</u>	<u>Ethane</u>	<u>Propane</u>	<u>Isobutane</u>	<u>Normal</u>	<u>Pentane</u>	<u>Hexane +</u>	<u>BTU</u>	<u>Gr</u>
	<u>Tested</u>			<u>Dioxide</u>					<u>Butane</u>				
Keys Gas Com E1	03/77	0.00	0.09	1.09	95.06	1.54	0.82	0.23	0.46	0.48	0.23	1,066	0.6070
SE NW NW 27-32N-10W	12/81	0.13	0.03	0.77	93.63	1.51	0.97	0.25	0.63	0.86	1.22	1,125	0.6413
	12/81	0.00	0.00	0.80	93.36	1.57	0.90	0.08	0.68	0.99	1.62	1,143	0.6531
	06/82	0.00	0.03	1.15	94.66	1.81	0.93	0.24	0.46	0.55	0.17	1,070	0.6090
Holmberg Gas Com A1	12/81	0.00	0.00	0.18	92.85	2.11	1.49	0.16	0.76	0.69	1.76	1,162	0.6555
SE NW NE 28-32N-10W	12/81	0.17	0.03	0.14	93.23	2.09	1.65	0.44	0.73	0.60	0.92	1,131	0.6352
	09/82	0.00	0.03	0.19	94.48	2.11	1.62	0.45	0.54	0.39	0.19	1,096	0.6100

Note: Numbers are volume %