



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

October 18, 2001

30-045-26110

Burlington Resources
P. O. Box 4239
Houston, TX 77210-4239
Attn: David K. Miller

Dear Mr. Miller:

We are in receipt of your NGPA applications for the following wells:

Baca Gas Com A No. 1
Culpepper Martin No. 1E
Kelly Knott No. 1A
New Mexico B Com No. 1E

These applications will not be processed until we receive the NGPA filing fees in the amount of \$100.00. In the future, please do not submit applications to us unless they are accompanied with the appropriate filing fee, as they will be returned to you as incomplete.

Thank you for your cooperation.

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

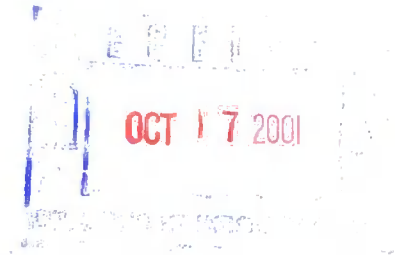
MES:kv

BURLINGTON RESOURCES

October 17, 2001

Mr. Michael Stogner
State of New Mexico
Energy and Minerals Department
Oil Conservation Division
2040 Pacheco Street
Santa Fe, NM 87505

Re: Application for Well Determination
NGPA Section 107
Baca Gas Com A #1
San Juan Co., NM
Mesa Verde Formation



Dear Mr. Stogner:

Burlington Resources Oil & Gas Company is enclosing, for review and approval by the New Mexico Oil Conservation Division, the original and two copies of an Application for Determination for the referenced well.

A copy of this letter, the FERC Form 121 and the OCD Form C-132 has been mailed to each working interest owner entitled to receive Notice of this Application.

Please indicate receipt of this filing by date stamping the attached extra copy of this letter and returning the copy for our records.

Sincerely,

David K. Miller
Manager, Royalty Compliance/Litigation

enclosures

xc: NGPA File

APPLICATION FOR DETERMINATION

A. THE NGPA WELL CATEGORY DETERMINATION IS BEING SOUGHT FOR A WELL PRODUCING:

- A1 ☐ occluded natural gas from a coal seam.
A2 ☐ natural gas from Devonian shale.
A3 ☒ natural gas from a designated tight formation.

B. FOR ALL APPLICATIONS FOR DETERMINATION PROVIDE THE FOLLOWING:

1. Well Name and No.: Baca Gas Com A #1
2. Completed in (Name of Reservoir): Mesa Verde
3. Field: Blanco
4. County: San Juan
5. State: New Mexico
6. API Well No.: 30-045-26110
7. Measured Depth of the Completion Interval (in feet)
TOP: 3,622 BASE: 4,330

C. APPLICANT'S MAILING ADDRESS AND THE IDENTITY OF THE PERSON WHO IS RESPONSIBLE FOR APPLICATION:

1. Applicant's Name: Burlington Resources Oil & Gas Company
2. Street: 5051 Westheimer, Suite 1400
3. City: Houston
4. State: Texas
5. Zip Code: 77056-5604
6. Name of Person Responsible: David K. Miller (713) 624-9086
7. Title of Such Person: Manager, Royalty Compliance/Litigation
8. Signature David K. Miller
Date: October 17, 2001

**APPLICATION FOR WELL CATEGORY DETERMINATION
PURSUANT TO SECTION 270 OF
THE FEDERAL ENERGY REGULATORY COMMISSION'S
REGULATIONS IMPLEMENTING
THE NATURAL GAS POLICY ACT OF 1978 (NGPA)**

**AFFIDAVIT
TIGHT FORMATION GAS**

STATE OF TEXAS

COUNTY OF HARRIS

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

That he is the Manager, Royalty Compliance/Litigation for Burlington Resources Oil & Gas Company, the applicant for the well hereinafter described, and in that capacity, he is requesting the appropriate Authorized Officer to make a determination that this well is producing from a tight formation pursuant to the rules and regulations of the State of New Mexico and the Federal Energy Regulatory Commission (FERC), as such rules relate to the NGPA.

That production from the **Baca Gas Com A #1** well, **API No. 30-045-26110** is natural gas produced from a FERC designated tight formation, assigned **State No. NM-48**, through:

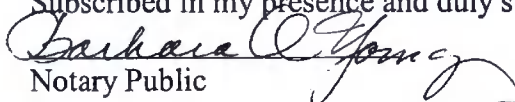
- X a well the surface drilling of which began after December 31, 1979, but before January 1, 1993; or
- a recompletion commenced after January 1, 1993, in a well the surface drilling of which began after December 31, 1979, but before January 1, 1993; or
- a recompletion commenced after December 31, 1979, but before January 1, 1993, where such gas could not have been produced from any completion location in existence in the well bore before January 1, 1980.

Said applicant has no knowledge of any information not described in the application that is inconsistent with his conclusion.



David K. Miller,
Manager, Royalty Compliance/Litigation

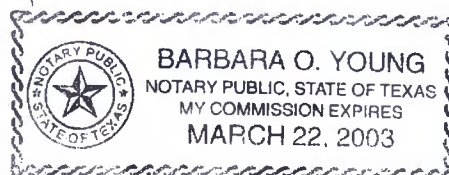
Subscribed in my presence and duly sworn to before me, this 17th day of October 2001



Notary Public

My Commission Expires:

NMOCD TF Affidavit



OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
USERS	
LAND OFFICE	
OPERATOR	

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

DAY

RECEIVED
JUL 12 1985

2. TYPE OF COMPLETION

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUS BACK ☐

DIFF. RESV. ☐

OTHER ☐

3. Name of Operator

Amoco Production Company

4. Address of Operator

501 Airport Drive Farmington, NM 87401

5. Location of Well

UNIT LETTER H LOCATED 1670 FEET FROM THE North LINE AND 1175 FEET FROM

THE East LINE OF SEC. 26 TWP. 29N RSE. 10W NMPM

13. Date Spudded

4-28-85

16. Date T.D. Reached

5-3-85

17. Date Compl. (Ready to Prod.)

6-12-85

18. Elevations (If F, K&H, RT, CK, etc.)

5547' KB

19. Elev. Casinghead

5534' GR

20. Total Depth

4450'

21. Plug Back T.D.

4404'

22. If Multiple Compl., How Many

TWO

23. Intervals Drilled By

Rotary Tools

Cable Tools

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

3622'-4330' Mesaverde

25. Was Directional Survey Made

Yes

26. Type Electric and Other Logs Run

DIGL-GR-SP; CDL-CNL-GR-CAL

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
9-5/8"	36#, K55	969'	12-14"	649 cf Class B, 148 cf Class B, 118 cf Class B Thixatrophic	
7"	26#, J55	4450'	8-3/4"	670 cf Class B 65:35 poz, 248 cf Class B Neat	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	4341'	

30. Perforation Record (Interval, size and number)

3622'-3628', 3694'-3704', 3780'-3786', 810'-3828', 3850'-3858', 3864'-3872', 886'-3904', 2 jspf, .44", 148 holes; 056'-4074', 4180'-4232', 4260'-4270', 320'-4330', 2 jspf, .44", 180 holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3622'-3904'	140,00 gal 20# crosslinked gel and 215,00# sand
4056'-4330'	95,400 gal 20# crosslinked gel and 75,800# sand

PRODUCTION

1. First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
6-26-85	Flowing	Shut-in
2. Date of Test	Hours Tested	Choke Size
6-27-85	3 hrs.	.75"
3. Tubing Press.	Casing Pressure	Calculated 24-Hour Rate
none	262 psig	
Oil - Bbl.	Gas - MCF	Water - Bbl.
	415	
Oil - Bbl.	Gas - MCF	Water - Bbl.
	3221	
Oil Gravity - API (Corr.)		

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

to be sold

Test Witnessed By

Bryan Services

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.

SIGNED BDS Shaw

TITLE Admin. Supervisor

DATE 7/11/85

INSTRUCTIONS

to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled well. It shall be the responsibility of the owner of all electrical or mechanical devices used in the well and in connection with the well, including all instruments. All data reported shall be measured directly in the case of electrically drilled wells, true vertical depth shall be reported. For multiple completions, from 20 through 14 shall be reported for each zone. The form is to be filed in duplicate except on oil, where a duplicate is required. See Rule 1155.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
D. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House 3532	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee 3566	T. Madison
T. Queen	T. Silurian	T. Point Lookout 4160	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee	base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinbry	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 (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
			Not logged above				
2500'	3532'		Otero Chacra				
3532'	3566'		Otero Chacra				
3566'	4160'		Cliffhouse				
4160'	4450'		Menefee				
			Point Lookout				

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

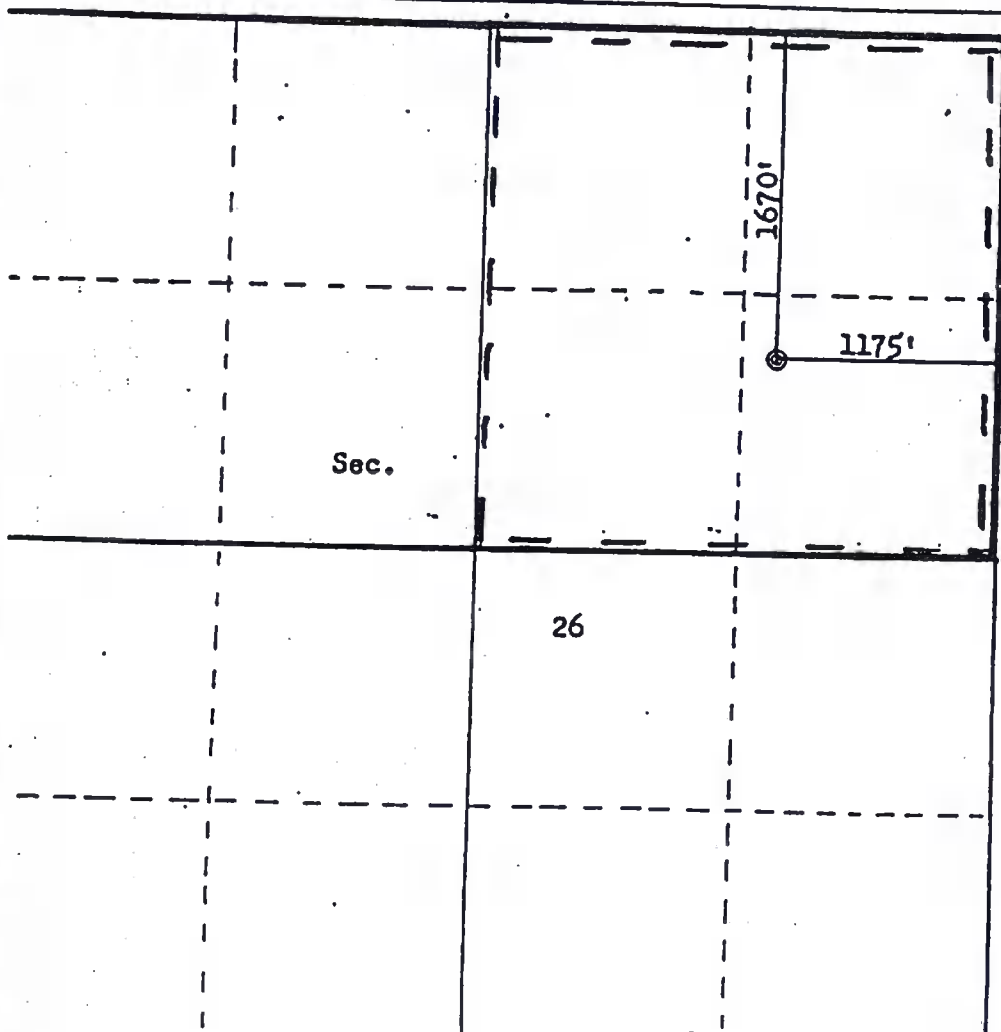
Operator AMOCO PRODUCTION COMPANY			Lease BACA GAS COM "A"		Well No. 1
Unit Letter H	Section 26	Township 29N	Range 10W	County San Juan	
Actual Footage Location of Well: 1670 feet from the North line and 1175 feet from the East line					
Ground Level Elev: 5534	Producing Formation Mesaverde + Chacra		Pool Blanco Mesaverde + Otero Chacra	Dedicated Acreage 320 / 160 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.

Original Signed By
B. D. Shaw

Name

B. D. Shaw

Position

Admin. Supervisor

Company

Amoco Production Company

Date

10-8-84

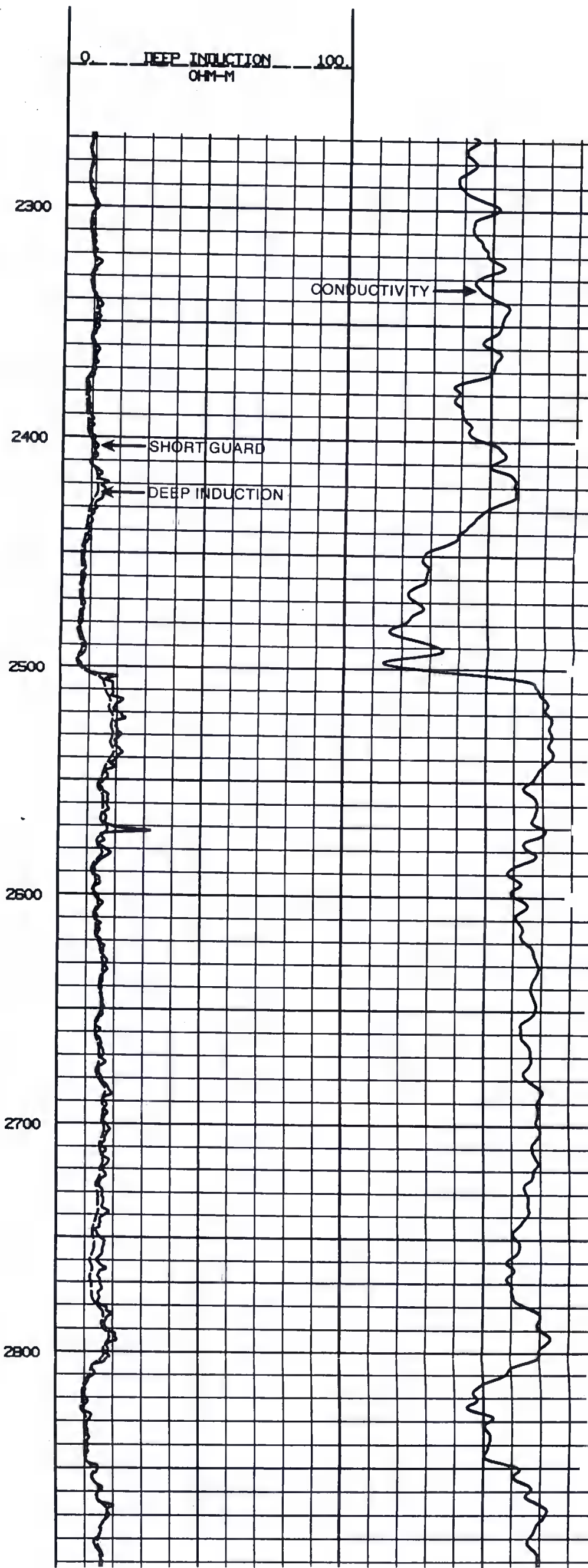
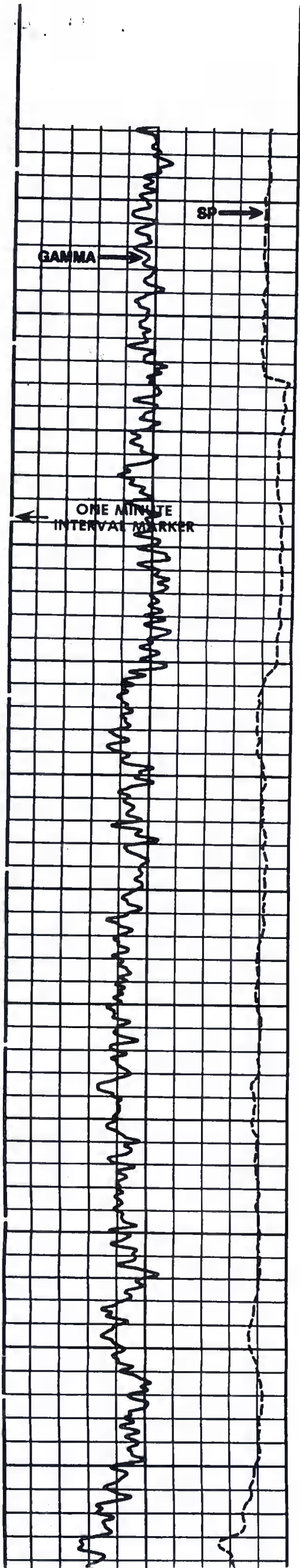
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

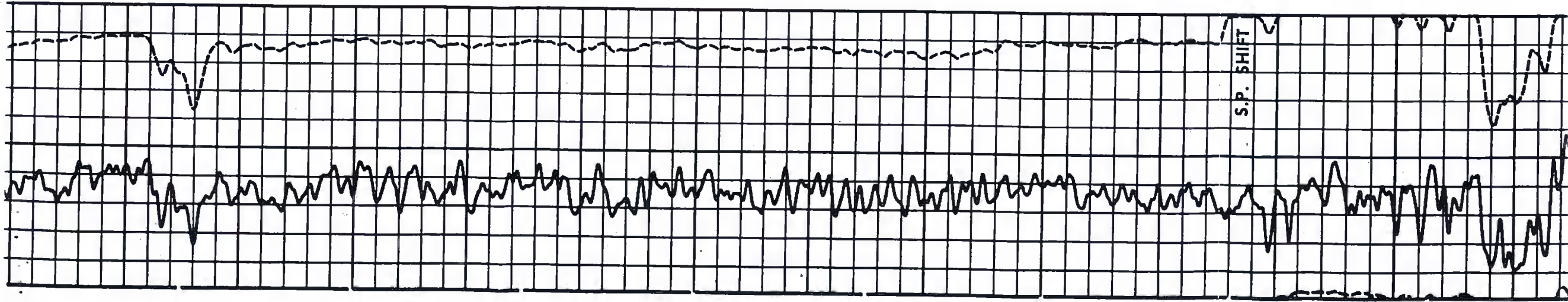
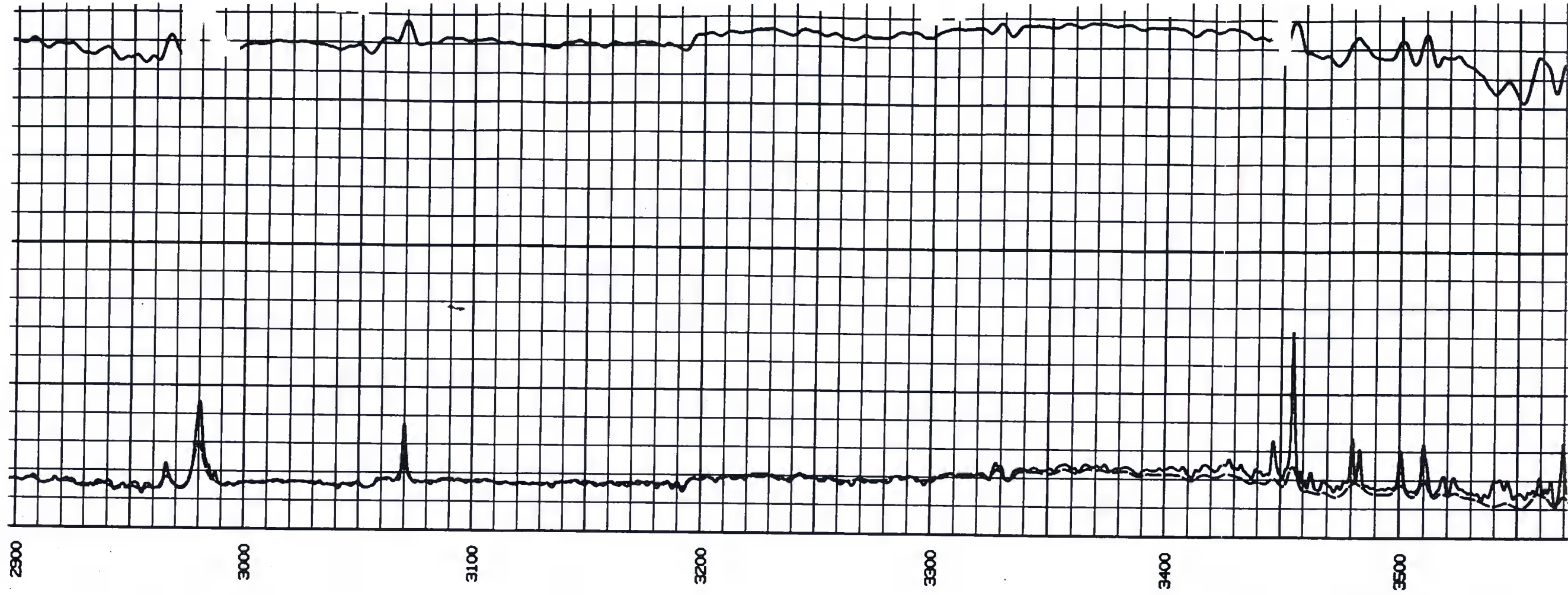
Date Surveyed

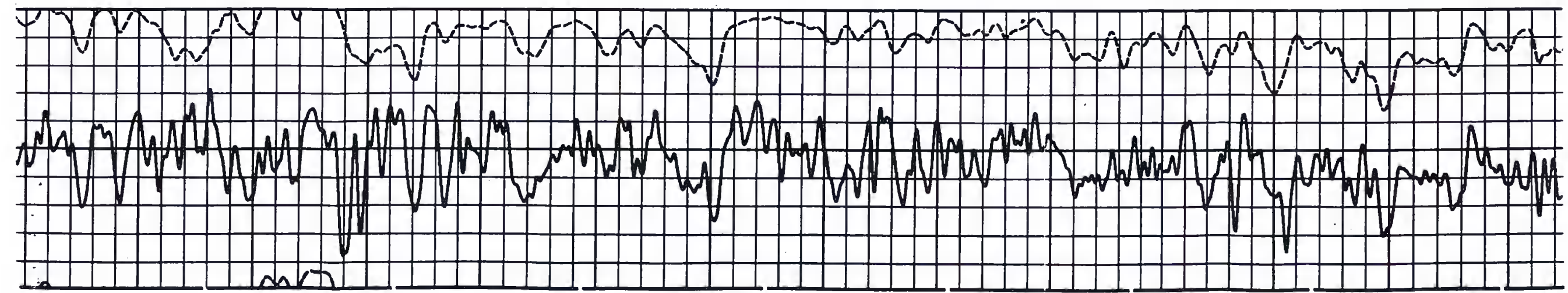
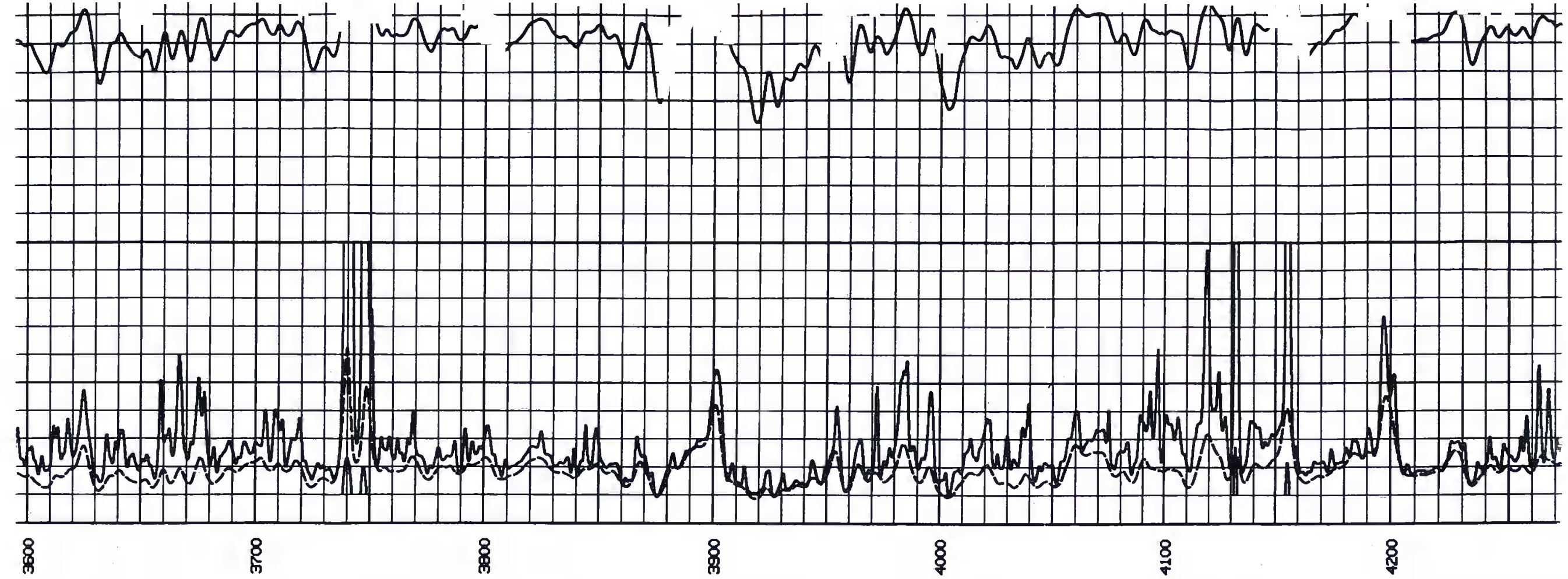
October 6, 1984

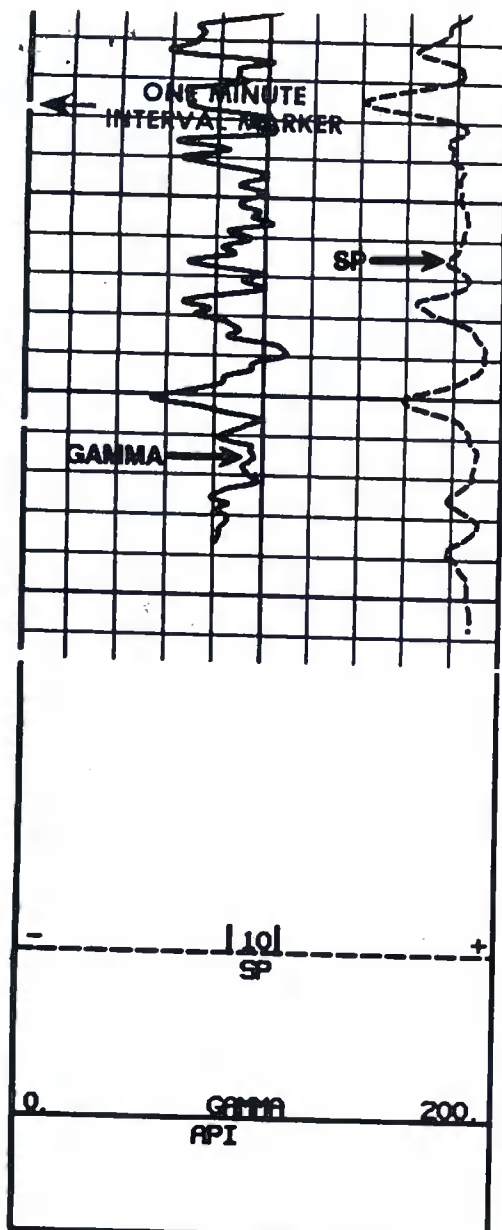
Registered Professional Engineer
and Land Surveyor

[Signature]

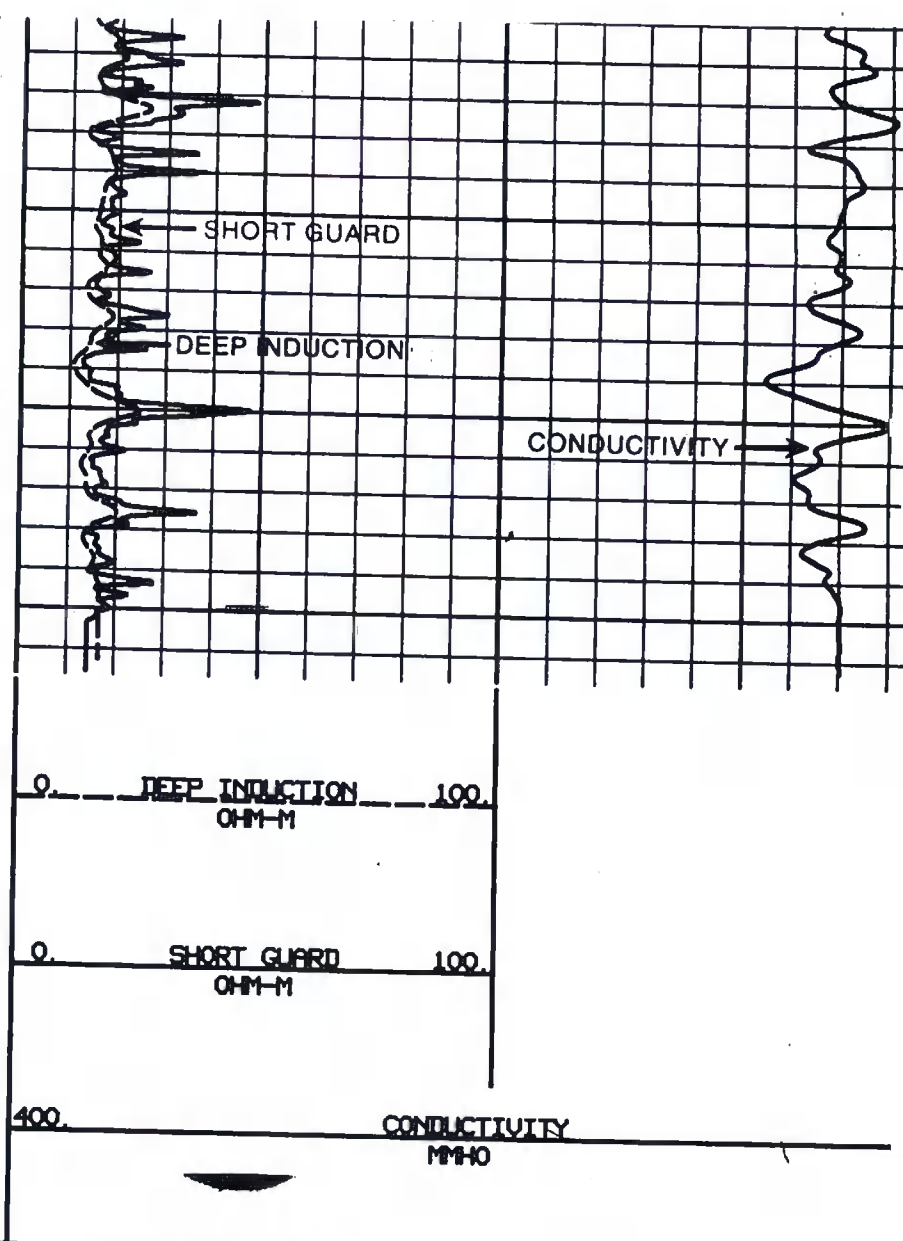








4400



PEX

LOG NEUTRON

COMP. AMOCO PRODUCTION CO.		ST. NM	
WELL BACA GAS COM "A" NO. 1		COUNTY SAN JUAN	
FIELD MESA VERDE		COUNTY SAN JUAN	
COMPANY AMOCO PRODUCTION CO.		STATE NM	
WELL BACA GAS COM "A" NO. 1		COUNTY SAN JUAN	
FIELD MESA VERDE		COUNTY SAN JUAN	
COUNTY SAN JUAN		STATE NM	
API NO. LOCATION		OTHER SERVICES	
1670 FNL - 1175 FEL		DIGL	
SEC. 26 TWP. 29N RGE. 10W		ELEV. 5534	
GROUND LEVEL		ELEV. 5534	
OG MEASURED FROM KELLY BUSHING 13 FT. ABOVE PERM. DATUM		D.F. 5546	
RILLING MEASURED FROM KELLY BUSHING		C.L. 5534	
DATE 5/3/85			
LOG NO. ONE			
DEPTH-DRILLER 4448			
DEPTH-MELEX 4454			
TH. LOG INTER. 4453			
TOP LOG INTER. 968			
DRILLING-DRILLER 9 5/8 • 968			
DRILLING-MELEX 968			
BIT SIZE 8 3/4			
TYPE FLUID IN HOLE LARD			
VISC. 9.0 • 42			
FLUID LOSS 9.0 • 10.0 ML			
SOURCE OF SAMPLE MUD TANKS			
M • MEAS. TEMP. 1.60 • 78 F			
M • MEAS. TEMP. 1.45 • 75 F			
M • MEAS. TEMP. 2.10 • 76 F			
SOURCE RHF RHC MEAS. • MEAS.			
M • BHT 1.04 • 124 F			
TIME SINCE CIRC. 5 HRS.			
TIME ON BOTTOM 9:15 P.M.			
MAX. REC. TEMP. 124 F • T.D.			
EQUIP. • LOCATION 2892 • FARM.			
RECORDED BY C. HONERTON C. STOTT			
WITNESSED BY E. MATHENY			

FOLD HERE

SERVICE TICKET NO.: 215983		API SERIAL NO.:		PGN VERSION: V1.94 11/29/84	
GENERAL		ACoustic		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE	RUN NO.	ONE
SERIAL NO.	188875	SERIAL NO.	028894	SERIAL NO.	188894
MODEL NO.	253A	MODEL NO.	125	MODEL NO.	289A
DIAMETER	PROP.	DIAMETER	PROP.	DIAMETER	PROP.
DETECTOR MODEL NO.	289A	LOG TYPE	PROP.	LOG TYPE	PROP.
TYPE	PROP.	SOURCE TYPE	PROP.	SOURCE TYPE	PROP.
LENGTH	PROP.	YES NO	YES NO	SERIAL NO.	931
DISTANCE TO SOURCE	PROP.	YES NO	YES NO	STRENGTH	PROP.

GENERAL		GAMMA		ACoustic		NEUTRON	
RUN NO.	ONE	RUN NO.	ONE	RUN NO.	ONE	RUN NO.	ONE
SERIAL NO.	188875	SERIAL NO.	028894	SERIAL NO.	188894	SERIAL NO.	188894
MODEL NO.	253A	MODEL NO.	125	MODEL NO.	289A	MODEL NO.	289A
DIAMETER	PROP.	DIAMETER	PROP.	DIAMETER	PROP.	DIAMETER	PROP.
DETECTOR MODEL NO.	289A	LOG TYPE	PROP.	LOG TYPE	PROP.	LOG TYPE	PROP.
TYPE	PROP.	SOURCE TYPE	PROP.	SOURCE TYPE	PROP.	SOURCE TYPE	PROP.
LENGTH	PROP.	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO
DISTANCE TO SOURCE	PROP.	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

REMARKS:

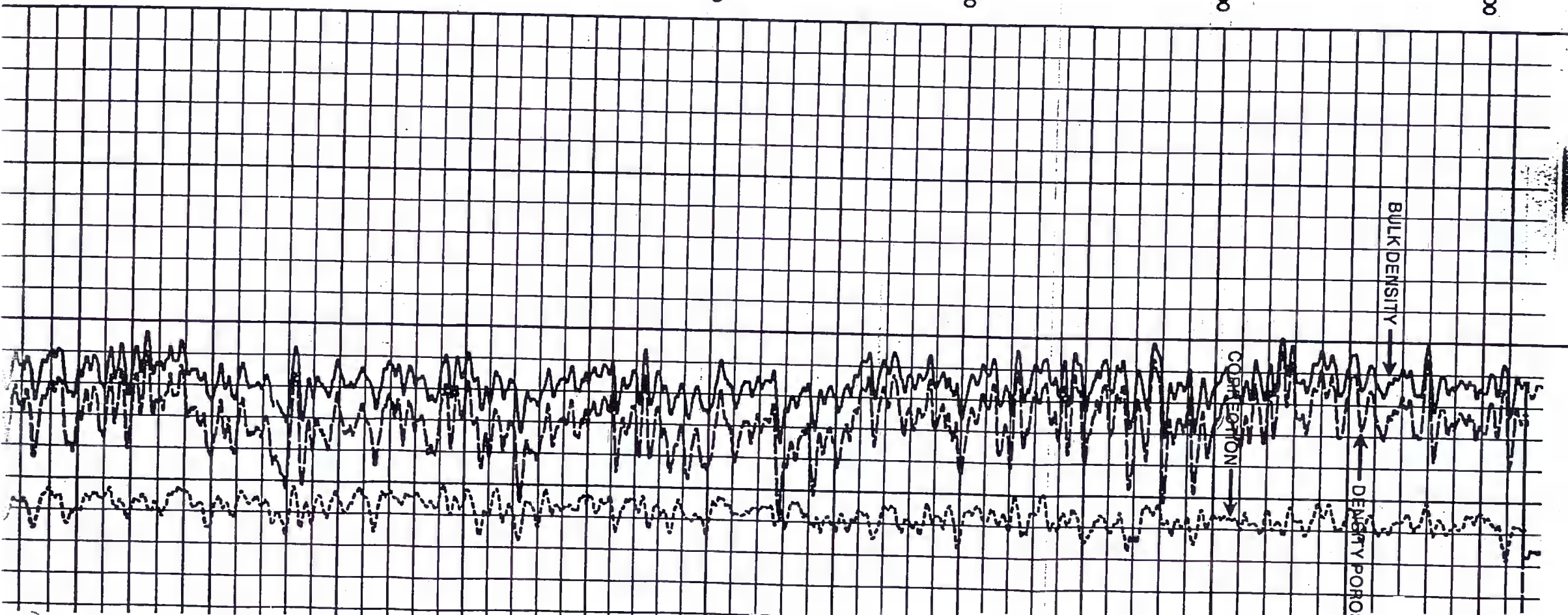
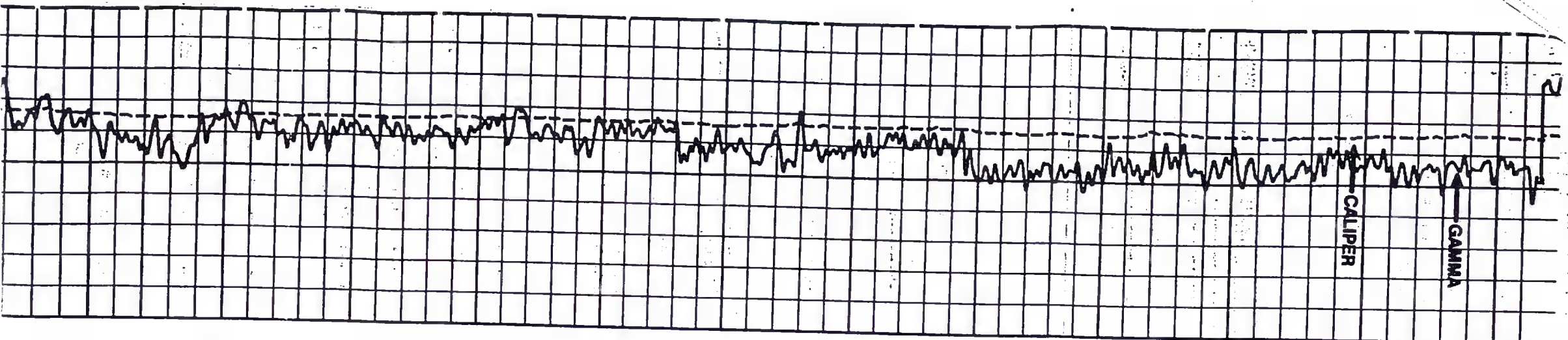
MELEX DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF LOG DATA. CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS, OR RECOMMENDATIONS WHICH MAY BE GIVEN BY MELEX PERSONNEL OR WHICH MAY APPEAR ON THE LOG OR IN ANY OTHER FORM, ANY USER OF SUCH DATA, INTERPRETATIONS, OR CONVERSIONS, OR RECOMMENDATIONS AGREES THAT MELEX IS NOT RESPONSIBLE, EXCEPT WHERE DUE TO GROSS NEGLIGENCE, NEGLIGENCE, OR MISCONDUCT FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

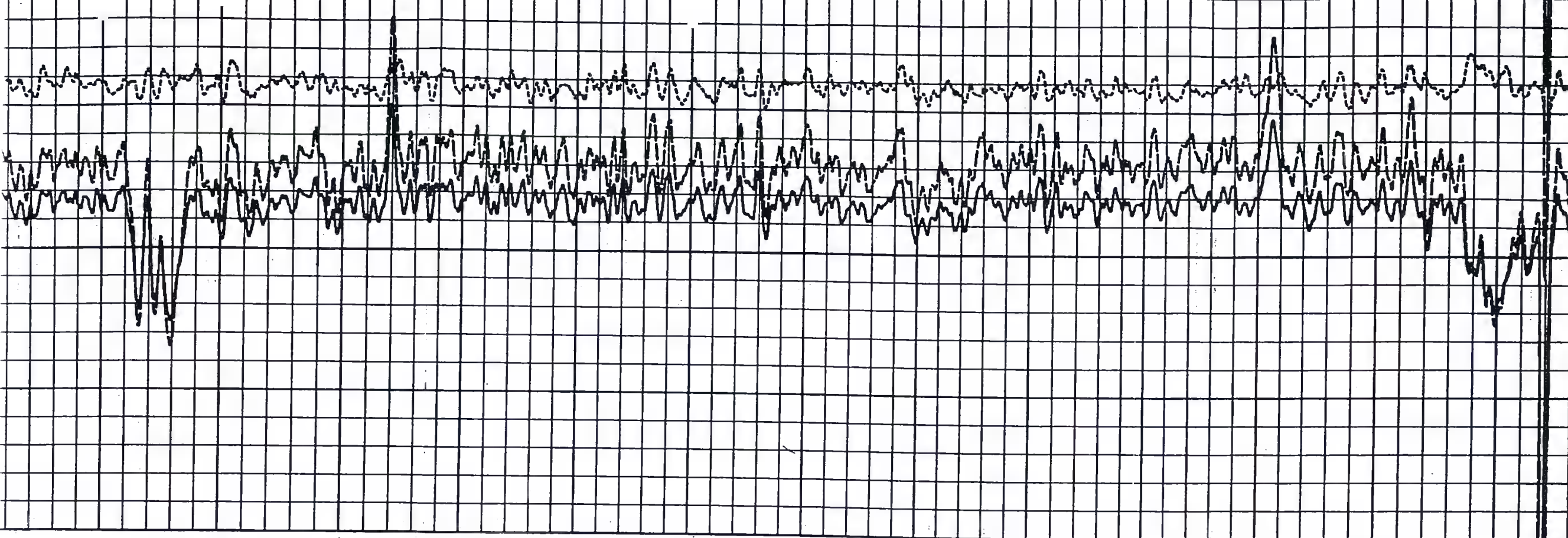
0. GAMMA 200. API		BULK DENSITY GM/CC	
6. CALIPER 16. INCH		DENSITY POROSITY 30. %	

MATOTUL-2 CE 51174-1

MATRIX=2.65 FLUID=1.

-0.25 CORRECTION
GM/CC





3000

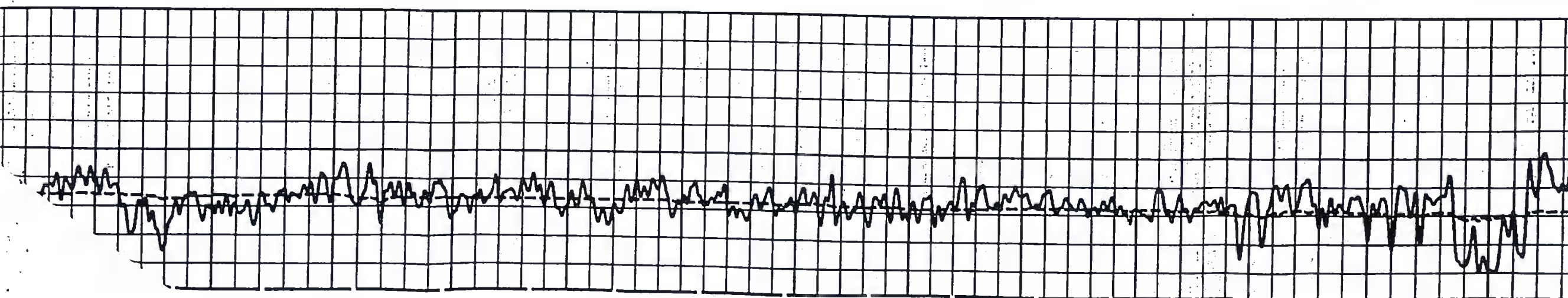
3100

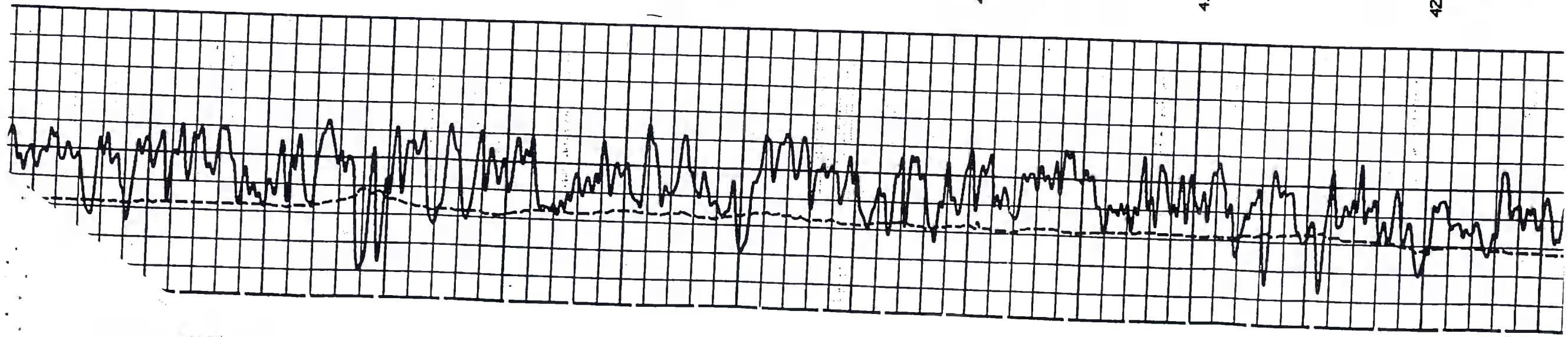
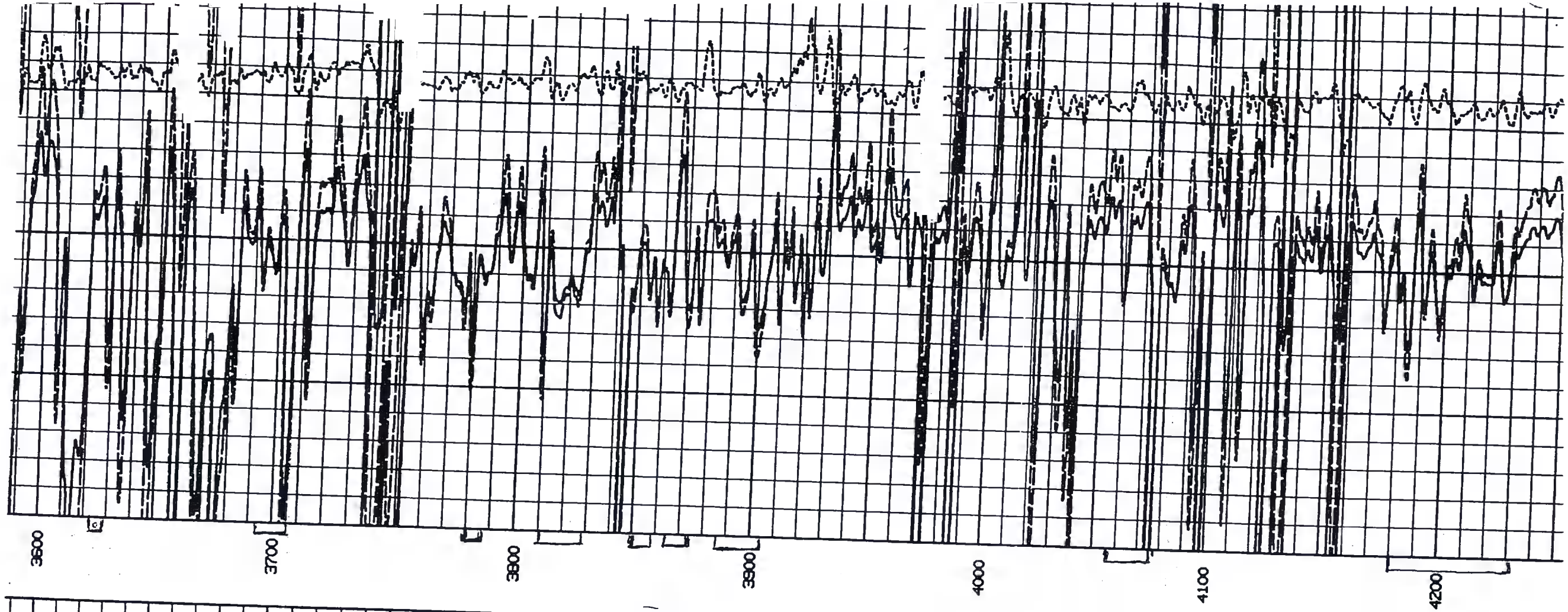
3200

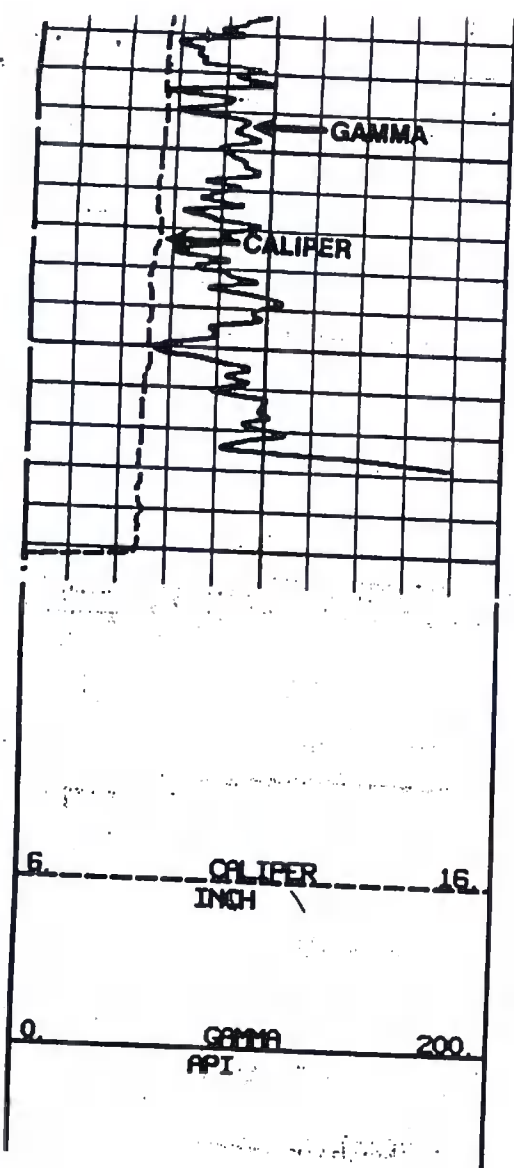
3300

3400

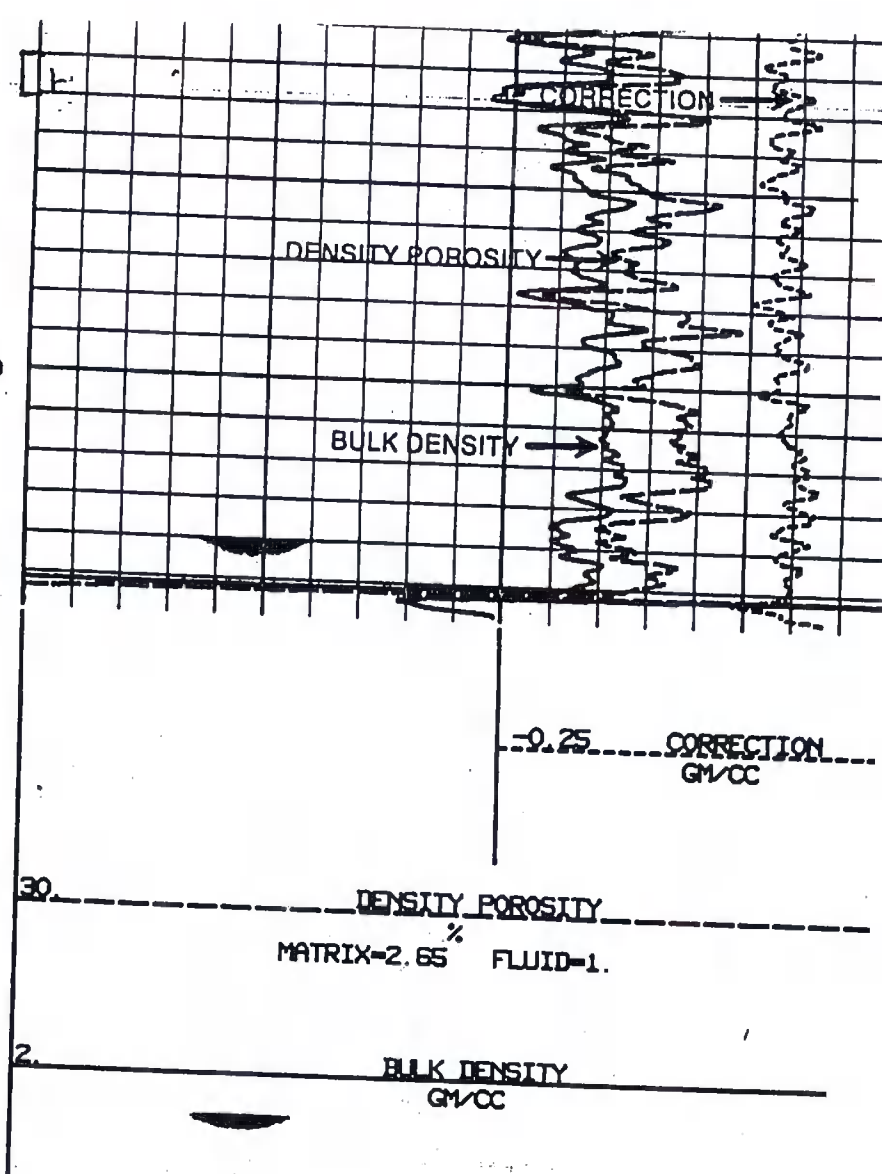
3500







4400



Stogner, Michael

From: Gilcrease Jim [JGilcrease@br-inc.com]
Sent: Thursday, February 07, 2002 10:22 AM
To: mstogner@state.nm.us
Subject: NMOCD Well Determination Approvals



NMOCD Follow up
2-7-02.xls

Mike, attached is a revised list.

<<NMOCD Follow up 2-7-02.xls>>

WELL NAME	BR AIN NO.	FERC 121 DATE	API NO.	OPERATOR
Martin Federal Com #1E	1139402	12/12/2001	30-045-24324	Energen
Johnston A #16	1524501	12/18/2001	30-039-24739	BR
Baca Gas Com A #1	5377101	11/17/2001	30-045-26110	XTO
Mexico Federal N #1E	1210401	9/24/2001	30-045-08832	BR
Culpepper Martin #1E	1296401	10/4/2001	30-045-25114	BR
Kelly Knott #1A	1461201	10/1/2001	30-045-25542	BR
New Mexico B Com #1E	1312101	9/24/2001	30-045-2453	BR
Culpepper Martin #1A	1296201	9/26/2001	30-045-25112	BR
San Juan 29-5 Unit #218	653601	7/17/2001	30-039-24782	Phillips
Pierce A #4	5444901	9/24/2001	30-045-25432	BR
Gallegos Canyon Unit #323	2370501	8/29/2001	30-045-24615	Amoco
Gallegos Canyon Unit #323	2370502	8/29/2001	30-045-24615	Amoco
Gallegos Canyon Unit #506	5737002	8/29/2001	30-045-28067	Amoco
Pubco State Com #1A	458101	8/8/2001	30-045-27248	Great Western

Stogner, Michael

From: Gilcrease Jim [JGilcrease@br-inc.com]
Sent: Thursday, February 07, 2002 10:06 AM
To: mstogner@state.nm.us
Subject: Well Determination Filings by NMOCD



NMOCD Follow up
2-7-02.xls

Good morning Mike, Burlington Resources' records indicate that we have not received JA approval on the following wells submitted to the NMOCD for review. We understand that you have other responsibilities and have put well determination filings on hold. However, lack of JA and FERC of these well may cause Burlington and other companies loss of monies. Could you review the wells on the attached list in which Burlington holds or has held an interest.

Thanks for your consideration.

Jim Gilcrease
Burlington Resources
(713) 624-9092
jgilcrease@br-inc.com

<<NMOCD Follow up 2-7-02.xls>>

WELL NAME	BR AIN NO.	FERC 121 DATE	API NO.	OPERATOR
Gallegos Canyon Unit #389	5588501	8/29/2001	30-045-28154	Amoco
Gallegos Canyon Unit #332	2372101	8/29/2001	30-045-25475	Amoco
Heaton Com LS #9A	2611902	8/29/2001	30-045-20903	Amoco
Martin Federal Com #1E	1139402	12/12/2001	30-045-24324	Energen
Johnston A #16	1524501	12/18/2001	30-039-24739	BR
Baca Gas Com A #1	5377101	11/17/2001	30-045-26110	XTO
Mexico Federal N #1E	1210401	9/24/2001	30-045-08832	BR
Culpepper Martin #1E	1296401	10/4/2001	30-045-25114	BR
Kelly Knott #1A	1461201	10/1/2001	30-045-25542	BR
New Mexico B Com #1E	1312101	9/24/2001	30-045-2453	BR
Culpepper Martin #1A	1296201	9/26/2001	30-045-25112	BR
San Juan 29-5 Unit #218	653601	7/17/2001	30-039-24782	Phillips
Pierce A #4	5444901	9/24/2001	30-045-25432	BR
Gallegos Canyon Unit #323	2370501	8/29/2001	30-045-24615	Amoco
Gallegos Canyon Unit #323	2370502	8/29/2001	30-045-24615	Amoco
Gallegos Canyon Unit #506	5737002	8/29/2001	30-045-28067	Amoco
Pubco State Com #1A	458101	8/8/2001	30-045-27248	Great Western

Stogner, Michael

From: Gilcrease Jim [JGilcrease@br-inc.com]
Sent: Wednesday, December 05, 2001 8:55 AM
To: mstogner@state.nm.us
Subject: Well Determination Filing

Baca Gas Com A #1
Sec. 26, T-29N, R-10W
San Juan, NM
30-045-26110
Cross Timbers Oil Co., Operator

On 10-17-01 Burlington sent a well determination filing to the NMOCD and followed up with a check for the filing fee on 10-24-01. To date we have not received indication the filing was received or that action has been taken on the filing. This well is involved in a law suit and the Judge is asking for an update on the status of the filing for all wells involved. Can you update me on the above well?



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

New Mexico State Office

1474 Rodeo Rd.

P.O. Box 27115

Santa Fe, New Mexico 87502-0115

TAKE
PRIDE IN
AMERICA

IN REPLY REFER TO:

3160 (921)

NGPA Location: 435 Montano Road NE, Albuquerque, NM 87107-4935

CERTIFIED MAIL NO. P 071 878 823
RETURN RECEIPT REQUESTED

July 26, 1993

Marilyn L. Rand, Director
Division of Producer Regulation
Federal Energy Regulatory Commission
825 North Capitol Street NE
Washington, DC 20426

Dear Ms. Rand:

This jurisdictional agency hereby designates the Mesaverde formation underlying the following described lands in the Blanco Mesaverde Area of the Blanco Mesaverde Pool located in San Juan and Rio Arriba Counties, New Mexico, as a tight formation, BLM Docket No. NM-1813-92, under Section 107 of the NGPA:

Township 27 North, Range 7 West, NMPM

Sections 1 through 12: All
Section 15: W 1/2
Sections 16 through 21: All
Section 22: W 1/2
Section 27: NW 1/4
Section 28: N 1/2
Sections 29 and 30: All

Township 27 North, Range 8 West, NMPM

Sections 1 through 36: All

Township 28 North, Range 7 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 28 North, Range 8 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 28 North, Range 9 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 28 North, Range 10 West, NMPM

Sections 7 through 36: All (Irregular Township)

Township 29 North, Range 7 West, NMPM

Sections 1 through 36: All

Township 29 North, Range 8 West, NMPM

Sections 1 through 36: All

Township 29 North, Range 9 West, NMPM
Sections 1 through 36: All

Township 29 North, Range 10 West, NMPM
Sections 1 through 36: All

Township 29 North, Range 11 West, NMPM
Sections 1 through 36: All

Township 30 North, Range 7 West, NMPM
Sections 1 through 36: All

Township 30 North, Range 8 West, NMPM
Sections 1 through 36: All

Township 30 North, Range 9 West, NMPM
Sections 1 through 36: All

Township 30 North, Range 10 West, NMPM
Sections 1 through 36: All

Township 30 North, Range 11 West, NMPM
Sections 1 through 36: All

Township 31 North, Range 6 West, NMPM
Sections 6 and 7: All
Sections 18, 19 and 30: All

Township 31 North, Range 7 West, NMPM
Sections 1 through 36: All

Township 31 North, Range 8 West, NMPM
Sections 1 through 36: All

Township 31 North, Range 9 West, NMPM
Sections 1 through 36: All

Township 31 North, Range 10 West, NMPM
Sections 1 through 36: All

Township 31 North, Range 11 West, NMPM
Sections 1 through 36: All

Township 32 North, Range 10 West, NMPM
Sections 1 through 36: All

Township 32 North, Range 11 West, NMPM
Sections 1 through 36: All

The total area encompasses 480,076 acres, more or less, occupying 750 square miles of the north central San Juan Basin located in San Juan and Rio Arriba Counties, New Mexico. The designated area consists of 78.68% Federal, 0.33% Navajo Allotted, 12.08% State and 8.91% Fee Lands.

The applicant is Amoco Production Company, Southern Rockies Business Unit, P. O. Box 800, Denver, Colorado 80201. The application was prepared by Rose Exploration, Inc., 518 17th Street, Suite 740, Denver, Colorado 80202.

Existing Federal and State of New Mexico Regulations administered by the U.S. Bureau of Land Management and the New Mexico Oil Conservation Division relating to drilling, casing, and cementing of wells are in effect to help assure that development of the Mesaverde formation will not adversely affect or impair any fresh water aquifers.

The estimated average in-situ gas permeability, throughout the pay section, is expected to be 0.1 millidarcy or less.

The stabilized production rate, against atmospheric pressure, of wells completed for production in the Mesaverde formation, without stimulation, is not expected to exceed the maximum production rate contained in the FERC tight formation guidelines.

No well drilled into the designated tight formation is expected to produce, without stimulation, more than five barrels of crude oil per day.

The formation has been authorized to be developed by infill drilling. This incentive no longer applies as the purpose of this tight formation area designation is to obtain IRS Section 29 tax credits.

The applicant does not seek to qualify gas produced from the tight formation for the incentive price.

Evidence was presented by the applicant to the BLM and the New Mexico Oil Conservation Division. The exhibits and other documentation are enclosed. The BLM Tight Formation Review and Technical Report is enclosed.

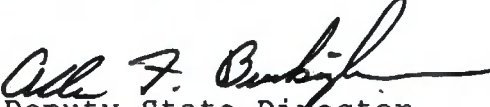
Included with this designation is a letter dated July 26, 1993, from the Chief Hearing Officer/Engineer, New Mexico Oil Conservation Division signifying their concurrence with this designation.

It is requested that this jurisdictional agency be advised in writing when the 45 day review period will end and the appropriate FERC State No. (NM-__) assigned to this tight formation be included.

Persons objecting to this determination may file a protest directly with the Federal Energy Regulatory Commission, in accordance with 18 CFR Part 275.203 and 275.204, within 20 days after the notice is published in the Federal Register by the FERC.

If you have any questions please contact Allen F. Buckingham at (505) 761-8765 or FAX (505) 761-8911.

Sincerely yours,


for Deputy State Director
Lands and Minerals

Enclosures

cc:

Amoco Production Company (J. W. Hawkins) (w/BLM Tech Rept)

Rose Exploration, Inc. (Mike Wynne) (w/BLM Tech Rept)

New Mexico Oil Conservation Div. (Michael Stogner) (w/BLM Tech Rept)

NM-921 (Steve Salzman)

NM-011 (Tom Hewitt/NGPA Liaison)

on non-Federal residential buildings are also relevant to a building energy standard for Federal residences because the comments address issues of feasibility and cost-effectiveness. These and any future comments on the non-Federal residential standards will be given serious consideration for potential applicability to the Federal residential standard development required by the Energy Policy Act of 1992.

Issued in Washington, DC, August 5, 1993.
Robert L. San Martin,
Acting Assistant Secretary, Energy Efficiency
and Renewable Energy.
[FR Doc. 93-19409 Filed 8-11-93; 8:45 am]
BILLING CODE 6340-01-P

Federal Energy Regulatory Commission

[Docket No. JD93-13529T, New Mexico-48]

United States Department of the Interior, Bureau of Land Management; NGPA Notice of Determination by Jurisdictional Agency Designating Tight Formation.

August 6, 1993.

Take notice that on July 30, 1993, the United States Department of the Interior's Bureau of Land Management (BLM) submitted the above-referenced notice of determination pursuant to § 271.703(c)(3) of the Commission's regulations; that the Mesaverde Group underlying certain lands in the Blanco Mesaverde Area of the Blanco Mesaverde Pool in San Juan and Rio Arriba Counties, New Mexico, qualifies as a tight formation under section 107(b) of the Natural Gas Policy Act of 1978. The area of application covers approximately 480,076 acres, more or less, and consists of 78.68% Federal, 0.33% Navajo Allotted, 12.08% State and 8.91% Fee Lands. The recommended area is described on the attached appendix.

The notice of determination also contains BLM's and the New Mexico Department of Energy, Minerals and Natural Resources' findings that the referenced portion of the Mesaverde Group meets the requirements of the Commission's regulations set forth in 18 CFR part 271.

The application for determination is available for inspection, except for material which is confidential under 18 CFR 275.206, at the Federal Energy Regulatory Commission, 825 North Capitol Street, NE., Washington, DC 20426. Persons objecting to the determination may file a protest, in accordance with 18 CFR 275.203 and

275.204, within 20 days after the date this notice is issued by the Commission.
Linwood A. Watson, Jr.,
Acting Secretary.

Appendix

TOWNSHIP 27 NORTH, RANGE 7 WEST
Sections 1-12: All
Section 15: W/2
Sections 16-21: All
Section 22: W/2
Section 27: NW/4
Section 28: NW/2
Sections 29-30: All
TOWNSHIP 27 NORTH, RANGE 8 WEST
Sections 1-36: All
TOWNSHIP 28 NORTH, RANGE 7 WEST
TOWNSHIP 28 NORTH, RANGE 8 WEST
TOWNSHIP 28 NORTH, RANGE 9 WEST
TOWNSHIP 28 NORTH, RANGE 10 WEST
Sections 7-36: All (Irregular Township)
TOWNSHIP 29 NORTH, RANGE 7 WEST
TOWNSHIP 29 NORTH, RANGE 8 WEST
TOWNSHIP 29 NORTH, RANGE 9 WEST
TOWNSHIP 29 NORTH, RANGE 10 WEST
TOWNSHIP 29 NORTH, RANGE 11 WEST
TOWNSHIP 30 NORTH, RANGE 7 WEST
TOWNSHIP 30 NORTH, RANGE 8 WEST
TOWNSHIP 30 NORTH, RANGE 9 WEST
TOWNSHIP 30 NORTH, RANGE 10 WEST
TOWNSHIP 30 NORTH, RANGE 11 WEST
Sections 1-36: All
TOWNSHIP 31 NORTH, RANGE 6 WEST
Sections 6-7: All
Sections 18-19: All
Section 30: All
TOWNSHIP 31 NORTH, RANGE 7 WEST
TOWNSHIP 31 NORTH, RANGE 8 WEST
TOWNSHIP 31 NORTH, RANGE 9 WEST
TOWNSHIP 31 NORTH, RANGE 10 WEST
TOWNSHIP 31 NORTH, RANGE 11 WEST
Sections 1-36: All
TOWNSHIP 32 NORTH, RANGE 10 WEST
TOWNSHIP 32 NORTH, RANGE 11 WEST
Sections 7-36: All (Irregular Township)
[FR Doc. 93-19327 Filed 8-11-93; 8:45 am]
BILLING CODE 6717-01-M

NM-48

Final on 13 Sep 93.
OK

480,076 acres.
MV Group

NM-1813-92

ergy, DOE.

ssil Energy of
gives notice
granting
(NGC)
port and
to Canada
ural gas
entry. The
o import a
Bcf of gas
o 130 Bcf of
ginning on
of either
ober 31,

r inspection.
f Fuels
-056.
dependence
DC 20585,
room is

N. French Dr., Hobbs, NM 88240
1st II
South First, Artesia, NM 88210
1st III
Rio Brazos Road, Artec, NM 87410
1st IV
S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-104B
March 19, 2001

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 copy of the final affected wells
list along with 1 copy of this form per
number of wells on that list to
appropriate District Office

Change of Operator Name

OGRID: 167067
Effective Date: 6/1/2001

Previous Operator Name and Information:

Name: Cross Timbers Operating Company
Address: 2700 Farmington Ave
Address: Building K, Suite 1
State, Zip: Farmington, NM 87401

New Operator Name and Information:

New Name: XTO Energy Inc.
Address: 2700 Farmington Ave
Address: Building K, Suite 1
City, State, Zip: Farmington, NM 87401

I certify that the rules of the Oil Conservation Division have been complied with and that the information given on
this form and the attached list of wells is true and complete to the best of my knowledge and belief.

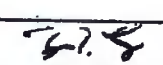
Signature: 
Name: GARY L. MARKESTAD

Title: VICE-PRESIDENT, SAN JUAN REGION

Date: 5/23/01 Phone: 505-324-1090 x-4001



NMOCD Approval

Signature: 

Printed Name: SUPERVISOR DISTRICT #3

District: AUG 15 2001

Date: _____

WELLS INVOLVED IN OPERATOR CHANGE
FINAL LIST WITH C-104A

AUG 14, 2001

This is a final list of wells being transferred. If all bonding requirements are satisfied, submit this list to the OCD District with your C-104A.

PREVIOUS OPERATOR: 167067 CROSS TIMBERS OPERATING COMPANY

NEW OPERATOR: _____

XTO ENERGY INC.
2700 FARMINGTON AVE. K #1
FARMINGTON, NM 87401

OCD DISTRICT: AZTEC

PROP- ERTY WELL NAME	ULSTR	OCD UNIT LTR API	WELL TYPE	POOL ID POOL NAME	LAST PROD/INJ
22648 ABRAMS GAS COM C #001	F-25-29N-10W	F 30-045-07880	G	71280 AZTEC PICTURED CLIFFS (GAS)	05-2001
23157 ABRAMS GAS COM J #001	D-25-29N-10W	D 30-045-25898	G	72319 BLANCO-MESAVERDE (PRORATED GAS)	05-2001
22734 HARE GAS COM C #001	M-25-29N-10W	M 30-045-07771	G	71599 BASIN DAKOTA (PRORATED GAS)	05-2001
HARE GAS COM C #001E	F-25-29N-10W	F 30-045-23566	G	71599 BASIN DAKOTA (PRORATED GAS)	05-2001
22761 LEFKOVITZ GAS COM #001X	A-25-29N-10W	A 30-045-07921	G	71280 AZTEC PICTURED CLIFFS (GAS)	05-2001
22762 LEFKOVITZ GAS COM B #001	A-25-29N-10W	A 30-045-07897	G	71599 BASIN DAKOTA (PRORATED GAS)	05-2001
LEFKOVITZ GAS COM B #001A	G-25-29N-10W	G 30-045-25945	G	72319 BLANCO-MESAVERDE (PRORATED GAS)	05-2001
LEFKOVITZ GAS COM B #001E	P-25-29N-10W	P 30-045-25305	G	71599 BASIN DAKOTA (PRORATED GAS)	05-2001
LEFKOVITZ GAS COM B #001E	P-25-29N-10W	P 30-045-25305	G	72319 BLANCO-MESAVERDE (PRORATED GAS)	05-2001
22647 ABRAMS GAS COM A #001	I-26-29N-10W	I 30-045-07821	G	71280 AZTEC PICTURED CLIFFS (GAS)	05-2001
ABRAMS GAS COM A #001	I-26-29N-10W	I 30-045-07821	G	96716 WILDCAT 29N10W26I,FARMINGTON SD (G)	03-1999
23158 ABRAMS GAS COM M #001	I-26-29N-10W	I 30-045-26166	G	82329 OTERO CHACRA (GAS)	05-2001
22652 ABRAMS L #001	M-26-29N-10W	M 30-045-25670	O	72319 BLANCO-MESAVERDE (PRORATED GAS)	05-2001
ABRAMS L #001	M-26-29N-10W	M 30-045-25670	O	2290 ARMENTA-GALLUP (O)	05-2001
ABRAMS L #001A	I-26-29N-10W	I 30-045-25616	G	72319 BLANCO-MESAVERDE (PRORATED GAS)	05-2001
ABRAMS L #001A	I-26-29N-10W	I 30-045-25616	G	2290 ARMENTA-GALLUP (O)	05-2001
22658 BACA GAS COM A #001	H-26-29N-10W	H 30-045-26110	G	72319 BLANCO-MESAVERDE (PRORATED GAS)	05-2001
BACA GAS COM A #001	H-26-29N-10W	H 30-045-26110	G	82329 OTERO CHACRA (GAS)	05-2001
BACA GAS COM A #001A	F-26-29N-10W	F 30-045-26180	G	82329 OTERO CHACRA (GAS)	05-2001
BACA GAS COM A #001A	F-26-29N-10W	F 30-045-26180	G	72319 BLANCO-MESAVERDE (PRORATED GAS)	05-2001

District I
PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address CROSS TIMBERS OPERATING COMPANY 6001 Highway 64 Farmington, NM 87401		OGRID Number 167067
		Reason for Filing Code 11/1/98 Change of Operator 12/1/97
API Number 30 - 0 4526110	Pool Name Blanco Mesaverde	Pool Code 72319
Property Code	Property Name Baca Gas Com A	Well Number 1

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	26	29N	10W		1670	N	1175	E	SJ

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Loc Code P	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description

RECEIVED
DEC 1 9 1997

IV. Produced Water

POD	POD ULSTR Location and Description OIL CON. DIV. DIST. 3
-----	--

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations	DIIC, DC, MC
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement		

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
Choke Size	Oil	Water	Gas	AOF	Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Vaughn O. Vennerberg, II

Printed name:

Vaughn O. Vennerberg, II

Title:

Sr. Vice President-Land

Date:

12/1/97

Phone:

(505) 632-5200

OIL CONSERVATION DIVISION

Approved by:

Frank T. Chavez

Title:

Supervisor District #3

Approval Date:

If this is a change of operator fill in the OGRID number and name of the previous operator

Gail Jefferson

Gail Jefferson

Sr. Adm. Staff Asst.

12/1/97

Previous Operator Signature

Printed Name

Title

Date

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address CROSS TIMBERS OPERATING COMPANY 6001 Highway 64 Farmington, NM 87401		OGRID Number 167067
		Reason for Filing Code 11/1/98 Change of Operator 12/1/97
API Number 30-045 26110	Pool Name Otero Chacra	Pool Code 82329
Property Code	Property Name Baca Gas Com A	Well Number 1

II. Surface Location

UL or lot no. H	Section 26	Township 29N	Range 10W	Lot Idn	Feet from the	North/South Line N	Feet from the	East/West line E	County SJ
--------------------	---------------	-----------------	--------------	---------	---------------	-----------------------	---------------	---------------------	--------------

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lac Code P	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description

RECEIVED
DEC 1 9 1997

IV. Produced Water

POD	POD ULSTR Location and Description OIL CON. DIV. DIST. 3
-----	--

V. Well Completion Data

Spud Date	Ready Date	TD	PSTD	Perforations	DIHC, DC, MC
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement		

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Thg. Pressure	Cag. Pressure
Choke Size	Oil	Water	Gas	AOF	Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Vaughn O. Vennerberg*
Printed name: Vaughn O. Vennerberg, II
Title: Sr. Vice President-Land
Date: 12/1/97 Phone: (505) 632-5200

OIL CONSERVATION DIVISION

Approved by: Frank T. Chavez

Title: Supervisor District #3

Approval Date:

If this is a change of operator fill in the OGRID number and name of the previous operator

Gail Jefferson Gail Jefferson Sr. Adm. Staff Asst. 12/1/97
Previous Operator Signature Printed Name Title Date

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.

3004526110

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER

2. Name of Operator

Amoco Production Company

Attention:

Gail M. Jefferson

8. Well No.

#1

3. Address of Operator

P.O. Box 800

Denver

Colorado

80201

(303) 830-6157

9. Pool name or Wildcat

Otero Chacra/Blanco MV

4. Well Location

Unit Letter H : 1670 Feet From The North Line and 1175 Feet From The East Line

Section 26 Township 29N Range 10W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Downhole Commingle ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

MIRUSU 5/13/96. Chacra SICP 220# - SITP 200#, Mesaverde SITP 230#, SIBH 0#. Blow down set tubing plug in N nipple on Mesaverde string. NDWH, NUBOP. TOH lay down Chacra tbq. Work pkr free and TOH w/MV production tbq and pkr.

TIH with 7 inch casing scraper and 6.25" bit. Ream out scale from 4723' to 4290'. Clean out sand from 4390' to 4395'. TOH. TIH land tubing at 4306'.

RDMOSU 5/17/96.

RECEIVED
MAY 31 1996

OIL CON. DIV.
DIST. 3

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

SIGNATURE

Gail M. Jefferson

TITLE

Sr. Admin. Staff Asst.

DATE

05-30-1996

TYPE OR PRINT NAME

Gail M. Jefferson

TELEPHONE NO. (303) 830-6157

(This space for State Use)

APPROVED BY

Ernie Busch

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

JUN - 4 1996

CONDITIONS OF APPROVAL, IF ANY:

QNC-1203

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION
RECEIVED
96 MAR 18 AM 8 52

WELL API NO. 3004526110
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Baca Gas Com A
8. Well No. 1
9. Pool name or Wildcat Otero Chacra/Blanco Mesaverde
10. Elevation (Show whether DP, RKB, RT, GR, etc.)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE 'APPLICATION FOR PERMIT' (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☐ GAS WELL ☒ OTHER	2. Name of Operator Amoco Production Company Gail M. Jefferson, Rm 1295C
3. Address of Operator P. O. Box 800, Denver, Colo. 80201 (303) 830-6157	4. Well Location Unit Letter H : 1670 Feet From The North Line and 1175 Feet From The East Line Section 26 Township 29N Range 10W NMPM San Juan County
11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: Downhole Commingle Chacra/Mesaverde ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Amoco Production Company request permission to downhole commingle the Otero Chacra and Blanco Mesaverde per the attached procedures. If you have any technical questions please contact Steve Webb at (303) 830-4206 or Gail Jefferson for any administrative concerns.

RECEIVED
MAR - 7 1996
OIL CON. DIV.
DIST. 3

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

SIGNATURE Gail M. Jefferson TITLE Sr. Admin. Staff Asst. DATE 3/5/96
TYPE OR PRINT NAME TELEPHONE NO.

Proved by f. s. Title SUPERVISOR DISTRICT # 3 Date MAR 07 1996

Baca GC A #1

Orig. Comp. 6/85

TD = 4450' PBTD = 4404'

GL = 5534', KB = 5547'

Page 2 of 2

1. Check location for anchors. Install if necessary. Test anchors. Record shut-in casing, tubing, and bradenhead pressures.
2. MIRUSU. Blow down well. Kill if necessary with 2% KCL.
3. POOH with 2 1/16" short string. TOOH w/ 2 3/8" long string x retrievable production packer.
4. RU wireline unit. Tag well for fill. If fill is present across perforated interval, TIH w/ tubing and clean out to PBTD.
5. TIH w/ 2 3/8" tbg (1/2 mule shoe on bottom with seating nipple up 1 joint). Land tubing at 4200-4210' KB. ND BOP. NU wellhead. RDSU x move off.
6. Flow well to clean-up. Swab if necessary. Record and report flow test results.

Contact for questions:

**Steve Webb
(303)830-4206**

Amoco Production Company

ENGINEERING CHART

Sheet No. 01
File

Appn
Date 2/5/96
By SLW

SUBJECT BACA GC A#1 1670' FNL X 1175' FEL

UNIT H, SEC 26, T29N-R10W

GASKICK
© 1170'

SPUD 4/95
IP 4/85

KB-5547'

GL-5634'

BH CNT'D DURING INIT

COMPLETION: CNT W/
354 R13 CLASS B

NOTE: H2O FLOOD PROBS
DURING DRILL

9 5/8" 36# CSA 969'

CNT W/ 897 R13 CLASS B
+ 118 R13 B W/ THICK
CNT CIRC TO SEC

CK PERFS:

3876-86' } 4 JSF
3902-84' } FRAC
BOM GAL TO Q
FOAM X 125#
SAND

CK TBG: 2301'
2 1/2" TSA 3901'
(? depth, no PHR)

OTIS
RETR PHR SA } ? NO RECORD
2054' } OF THIS

MV PERFS:

3622-82' } 2 JSF
3694-704' } FRAC
3780-86' } 140# GAL
3810-88' } X LGX
3850-58' } 215.5 M
3864-72' } # SAND
3896-904'

MV TBG:

2 3/8" 4.7# TSA 4341'
{ NOT ALLEY OR PULL 4200'
{ SN?

4056-74' } 2 JSF
4190-323' } FRAC 954M
4260-70' } CAL X LGX
4320-30' } 75.8 M #
SAND

7" 26# CSA 4450'

PBTD = 4404'

CNT W/ 170 R13 CLASS B 65/35 FOR

TAIL W/ 248 R13 CLASS B NEAT

CNT TOP 1400' - TEMP LOG

WELL DATA

API# 3004526110
WELL FRAC 846398
LSE FLAC 100789
GAS PURCHASER: EPNG
C METER# 95999 MV
95998 CK

APC WTI 10070CK
87.5% MV

USE: FEE

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION
RECEIVED
Revised 1-1-89
See Instructions
at Bottom of Page
90 AUG 22 AM 10 44

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator AMOCO PRODUCTION COMPANY	Well API No. 300452611000
Address P.O. BOX 800, DENVER, COLORADO 80201	
Reason(s) for Filing (Check proper box) ☐ Other (Please explain)	
New Well ☐	Change in Transporter of:
Recompletion ☐	Oil ☐ Dry Gas ☐
Change in Operator ☐	Casinghead Gas ☐ Condensate ☒

If change of operator give name
and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name BACA GAS COM A	Well No. 1	Pool Name, Including Formation BLANCO MESAVERDE (PRORATED GAS)	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter H : 1670 Feet From The FNL Line and 1175 Feet From The FEL Line Section 26 Township 29N Range 10W, NMPM, SAN JUAN County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒ MERIDIAN OIL INC.	Address (Give address to which approved copy of this form is to be sent) 3535 EAST 30TH STREET, FARMINGTON, CO 87401					
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ EL PASO NATURAL GAS COMPANY	Address (Give address to which approved copy of this form is to be sent) P.O. BOX 1492, EL PASO, TX 79978					
If well produces oil or liquids, give location of tanks.	Unit	Soc.	Twp.	Rge.	Is gas actually connected?	When?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation
Division have been complied with and that the information given above
is true and complete to the best of my knowledge and belief.

Signature
Doug. W. Whaley, Staff Admin. Supervisor
Printed Name Title
June 25, 1990 303-830-4280
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved JUL 2 1990

By [Signature]
SUPERVISOR DISTRICT 13
Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) District Form C-104 must be filed for each well in multiply completed wells

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department OIL CONSERVATION DIVISION

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
See Instructions
at Bottom of Page
RECEIVED

'90 AUG 22 AM 10 31?

Chacra

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator AMOCO PRODUCTION COMPANY		Well API No. 300452611000
Address P.O. BOX 800, DENVER, COLORADO 80201		
Reason(s) for Filing (Check proper box) ☐ Other (Please explain)		
New Well ☐	Change in Transporter of:	
Recompletion ☐	Oil ☐	Dry Gas ☐
Change in Operator ☐	Casinghead Gas ☐	Condensate ☒
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name BACA GAS COM A	Well No. 1	Pool Name, Including Formation OTERO CHACRA (GAS)	Kind of Lease State, Federal or Fee	Lease No.
Location				
Unit Letter H	1670	FNL	1175	FEL
Feet From The Line and Feet From The Line				
Section 26	Township 29N	Range 10W	SAN JUAN County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
MERIDIAN OIL INC.	3535 EAST 30TH STREET, FARMINGTON, CO 87401
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
EL PASO NATURAL GAS COMPANY	P.O. BOX 1492, EL PASO, TX 79978
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, etc.)
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)
		Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature
Doug W. Whaley, Staff Admin. Supervisor
Printed Name
June 25, 1990
Date
303-830-4280
Telephone No.

OIL CONSERVATION DIVISION

JUL 2 1990

Date Approved

By

SUPERVISOR DISTRICT #3

Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- All sections of this form must be filled out for allowable on new and recompleted wells.
- Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- Submit Form C-104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

NAME	
ADDRESS	
CITY	
STATE	
ZIP	
DATE	
OFFICE	
REPORTER	
DATE	
STATION OFFICE	

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

SEP 18 1987

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
DEC 30 1986
OIL CON. DIV.
Dist. 3

Production Co.

5 E. 30 St., Farmington, NM 87401

(s) for filing (Check proper box)

Change in Transporter oil:
☐ Oil ☒ Dry Gas
☐ Casinghead Gas ☐ Condensate

Other (Please explain)

ge of ownership give name
dress of previous owner

DESCRIPTION OF WELL AND LEASE

Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Gas Com A	1	Blanco Mesaverde	State, Federal or Fee	Fee

Letter H : 1670 Feet From The North Line and 1175 Feet From The East

of Section 26 Township 29N Range 10W NMPM San Juan County

SIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
Permian Corporation Permian (EN. 9 / 1 / 87)	P. O. Box 1702, Farmington, NM 87499
Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Paso Natural Gas Company	Caller Service 4990, Farmington, NM 87499
Unit Sec. Twp. Rgs.	Is gas actually connected? When
H 26 29N 10W	No

production is commingled with that from any other lease or pool, give commingling order number

Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

certify that the rules and regulations of the Oil Conservation Division have
plied with and that the information given is true and complete to the best of
ledge and belief.

BS Shaw
(Signature)
Admin Supervisor
(Title)
13-86
(Date)

OIL CONSERVATION DIVISION

APPROVED _____
BY _____
TITLE _____
SUPERVISOR DISTRICT 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

EL PASO NATURAL GAS COMPANY
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO

MAR 27 1987

NOTICE OF GAS CONNECTION

DATE MARCH 19, 1987

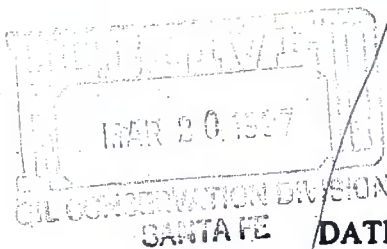
THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM AMOCO PRODUCTION BACA GAS COM A #1 MV
Operator Well Name95-998-01 23322-01 H 26-29-10
Meter Code Site Code Well Unit S-T-RBLANCO MESAVERDE EL PASO NATURAL GAS
Pool Name of PurchaserWAS MADE ON JANUARY 8, 1987 FIRST DELIVERY MARCH 12, 1987
Date DateAOF -CHOKE -EL PASO NATURAL GAS
PurchaserSheri Underwood
RepresentativeClerk, Technical Support
TitleCC: OPERATOR
OIL CONSERVATION COMMISSION (2)
PRODUCTION CONTROL - El Paso
CONTRACT ADMINISTRATION - El Paso
FILEP
0415
PER

RECEIVED

MAR 19 1987

OIL CON. DIV.
DIST. 3

EL PASO NATURAL GAS COMPANY
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE MARCH 9, 1987

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM AMOCO PRODUCTION BACA GAS COM A #1 CH
Operator Well Name95-999-01 42089-01 H 26-29-10
Meter Code Site Code Well Unit S-T-ROTERO CHACRA EL PASO NATURAL GAS
Pool Name of PurchaserWAS MADE ON JANUARY 8, 1987 FIRST DELIVERY FEBRUARY 11, 1987
Date DateAOF -CHOKE -EL PASO NATURAL GAS
Purchaser
Sheri Underwood
RepresentativeClerk, Technical Support
TitleCC: OPERATOR
OIL CONSERVATION COMMISSION (2)
PRODUCTION CONTROL - El Paso
CONTRACT ADMINISTRATION - El Paso
FILERECEIVED
MAR 13 1987
OIL CON. DIV.
DIST. 3P
045
PER

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
MTA FE	
LE	
S.U.S.	
IND OFFICE	
TRANSPORTER	OIL
FORMATION	GAS
FORMATION OFFICE	

OIL CONSERVATION DIVISION

P. O. BOX 2086

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Formal 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
DEC 30 1986
OIL CON. DIV.
DIST. 3

ORDER

Comoco Production Co.

Address

325 E. 30 St., Farmington, NM 87401

Reason(s) for filing (Check proper box)

☐ New Well	Change in Transporter of:
☐ Recompletion	☐ Oil
☐ Change in Ownership	☐ Casingshead Gas
	☒ Dry Gas
	☐ Condensate

Other (Please explain)

Change of ownership give name
address of previous owner

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Blanco Gas Com A	1	Blanco Mesaverde	State, Federal or Fee	Fee

Location

Unit Letter H : 1670 Feet From The North Line and 1175 Feet From The East

Line of Section 26 Township 29N Range 10W , NMPM, San Juan County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
Permian Corporation	P. O. Box 1702, Farmington, NM 87499
Name of Authorized Transporter of Casingshead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
1 Paso Natural Gas Company	Caller Service 4990, Farmington, NM 87499
Well produces oil or liquids, or location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
H 26 29N 10W	No

If production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

BSShaw

(Signature)

Admin SUPERVISOR

(Title)

2-23-86

(Date)

OIL CONSERVATION DIVISION

APPROVED

BY

TITLE

SUPERVISOR DISTRICT 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATION	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83

RECEIVED

DEC 30 1986

OIL CON. DIV.
DIST. 3

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
Amoco Production Co.

Address
2325 E. 30 St., Farmington, NM 87401

Reason(s) for filing (Check proper box)

☐ New Well	Change in Transporter of:	☒ Dry Gas
☐ Recompletion	☐ Oil	☐ Condensate
☐ Change in Ownership	☐ Casinghead Gas	

Other (Please explain)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Baca Gas Com A	Well No. 1	Pool Name, including Formation Otero Chacra	Kind of Lease State, Federal or Fee	Lease No.
Location				
Unit Letter <u>H</u> : <u>1670</u> Feet From The <u>North</u> Line and <u>1175</u> Feet From The <u>East</u>				
Line of Section <u>26</u> Township <u>29N</u> Range <u>10W</u> , NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
Permian Corporation	P. O. Box 1702, Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	Caller Service 4990, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit <u>H</u> Sec. <u>26</u> Twp. <u>29N</u> Rge. <u>10W</u>	No

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

BS Shaw

(Signature)

Admin Supervisor

(Title)

12-23-86

(Date)

OIL CONSERVATION DIVISION

DEC 30 1986

APPROVED

BY

SUPERVISOR DISTRICT # 3

TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

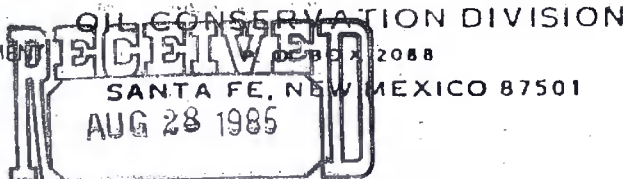
IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
Perforations						Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (plug, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size



OIL CONSERVATION DIVISION
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
Revised 2-1-82

Operator: Amoco Production Company San Juan August 5, 1985
501 Airport Drive County Date
Farmington, NM 87401 Baca Gas Com A No. 1
Address Lease Well No.

SE/NE H 26 29N 10W
Location Unit Section Township Range
of Well

RECEIVED
AUG 13 1985

OIL CON. DIV.
DIST. 3

All Applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Otero Chacra		Blanco Mesaverde
b. Top and Bottom of Pay Section (Perforations)	2876'-2984'		3622'-4330'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
e. Daily Production ☐ Actual ☒ Estimated			
Oil Bbls.	0		0
Gas MCF	2024		3221
Water Bbls.	0		3

RECEIVED
AUG 07 1985
OIL CON. DIV.
DIST. 3

2. The following must be attached:

- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease
- Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

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

Signed B. Shaw Title Admin. Supervisor Date August 5, 1985

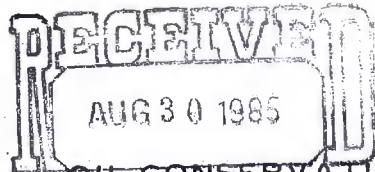
(This space for State Use)
Approved By [Signature] Title SUPERVISOR DISTRICT #3 Date AUG 13 1985

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

NMOCED

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
ILE	
S.O.S.	
AND OFFICE	
TRANSPORTER	OIL
	GAS
PERATOR	
REGISTRATION OFFICE	

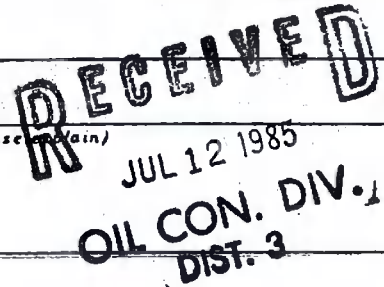


OIL CONSERVATION DIVISION
SANTA FE, N.M. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator
Amoco Production Co.
Address
501 Airport Drive, Farmington, N M 87401



Reason(s) for filing (Check proper box)

☒ New Well	Change in Transporter of:
☐ Recompletion	☐ Oil
☐ Change in Ownership	☐ Casinghead Gas
	☐ Dry Gas
	☐ Condensate

Change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Baca Gas Com A	1	Blanco Mesaverde	State, Federal or Fee Fee	

Location

Unit Letter H : 1670 Feet From The North Line and 1175 Feet From The East

Line of Section 26 Township 29N Range 10W NMPM, San Juan County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
Permian Corporation	P.O. Box 1702 Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Northwest Pipeline Corporation	P.O. Box 90 Farmington, NM 87499
Well produces oil or liquids, or location of tanks.	Is gas actually connected? When
Unit <u>H</u> Sec. <u>26</u> Twp. <u>29N</u> Rge. <u>10W</u>	NO

If its production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

BDS Shaw

Adm. Supervisor

(Signature)

7-10-85

(Title)

(Date)

8-13-85 OIL CONSERVATION DIVISION
AUG 13 1985
APPROVED
BY *[Signature]*
TITLE SUPERVISOR-DISTRICT 3

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

V. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
			X	X					
Date Spudded 4-28-85	Date Compl. Ready to Prod. 6-12-85	Total Depth 4450'				P.B.T.D. 4404'			
Elevations (DF, RKB, RT, CR, etc.) 5534'	Name of Producing Formation Meseverde	Top Oil/Gas Pay 3622'				Tubing Depth 4341'			
Perforations 3622'-3628', 3694'-3704', 3780'-3786', 3810'-3828', 3850'-3858', 3864'-3872', 3886'-3904', 4056'-4074', 4180'-4232', 4260'-4270', 4320'-4330'						Depth Casing Shoe 4450'			

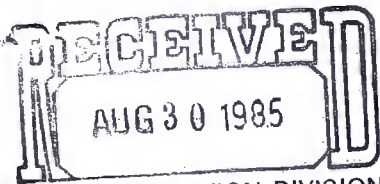
TUBING, CASING, AND CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4"	9-5/8", 36# K55	969'	915 cu ft
8-3/4"	7#, 26#, J55	4450'	918 cu ft
	2-3/8"	4341'	

TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

AS WELL

Actual Prod. Test - MCF/D 3221	Length of Test 3 hrs	Bbls. Condensate/MMCF	Gravity of Condensate
Sealing Method (pilot, back pr.) back pressure	Tubing Pressure (Shut-in) none	Casing Pressure (Shut-in) 960 psig	Choke Size .75"



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
INTAKE	
FILE	
S.O.S.	
AND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
REGISTRATION OFFICE	

SANTA FE

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

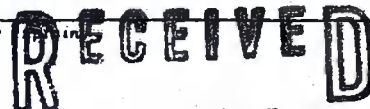
Amoco Production Co.

501 Airport Drive, Farmington, N M 87401

Reason(s) for filing (Check proper box)

☐ New Well	Change in Transporter of:
☐ Recompletion	☐ Oil
☐ Change in Ownership	☐ Casinghead Gas
	☐ Dry Gas
	☐ Condensate

Other (Please Specify)



JUL 12 1985

Change of ownership give name
address of previous owner

OIL CON. DIV.
DIST. 3

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Baca Gas Com A	1	Otero Chacra	State, Federal or Fee	Fee
Location	Unit Letter	H	1670	Feet From The North
	Line and	1175	Feet From The	East
Line of Section	26	Township	29N	Range
	10W	NMPM	San Juan	County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	or Condensate	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas	or Dry Gas	Address (Give address to which approved copy of this form is to be sent)
Northwest Pipeline Corporation		P.O. Box 90 Farmington, NM 87499
Well produces oil or liquids,	Unit	Sec.
or location of tanks.	H	26
	29N	10W
	NO	

If production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

BDS Shaw

Adm. Supervisor

(Signature)

7-10-85

(Title)

(Date)

8-13-85 OIL CONSERVATION DIVISION

AUG 13 1985

APPROVED

BY

SUPERVISOR DISTRICT #3

TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

V. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
			X	X					
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
4-28-85	6-12-85		4450'			4404'			
Iterations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
5534GR	Chacra		2876'			3001'			
Perforations						Depth Casing Shoe			
2876'-2886', 2962'-2984'						4450'			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4"	9-5/8", 36# K55	969'	915 cu ft
8-3/4"	7", 26#, J55	4450'	918 cu ft
	2-3/8"	3001'	

TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks		Date of Test		Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure		Choke Size	
Initial Prod. During Test	Oil - Bbls.	Water - Bbls.		Gas - MCF	

IS WELL

Initial Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
2024	3hrs		
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size
back pressure	868 psig	881 psig	.75"

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR WELL

RECEIVED
JUL 25 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☒ Special		Test Date 6-27-85	
Company Amoco Production Co.		Connection El Paso Natural Gas Co.	
Pool Blanco		Formation Mesaverde	
Completion Date 6-12-85		Total Depth 4450	Plug Back TD 4405
Elevation 5534 GR		Farm or Lease Name Baca Gas Com "A"	
Csg. Size 7000	Wt. 23	d 6.366	Set At 4450
Perforations: From 3622 To 3904		Well No. 1	
Tbg. Size 2.375	Wt. 4.7	d 1.955	Set At 4340
Perforations: From open To ended		Unit H 26 29 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual		Packer Set At 3053	
Producing Thru tubing		County San Juan	
Reservoir Temp. °F P		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _g	
L	H	G _g	% CO ₂
		% N ₂	% H ₂ S
Prover		Meter Run	
Taps			

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	14 days						X		960		
1.	2.375 .750						X		262		3 hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		274	1.000	.9258	1.027	3221
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 972	P _c ² 944784				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		284	80656	864128	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0933$
2					(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0692$
3					
4					
5					

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3444$$

Absolute Open Flow 3444 Mcfd @ 15.025 Angle of Slope 0 Slope, n .75

Remarks: Flared, lite H2O Lite condensate, DUAL

Approved By Division _____ Conducted By: Bryan Services Calculated By: JJ Barnett Checked By:

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

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

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
VECT.	
LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
JUL 12 1985
OIL CON. DIV.
DIST. 3

TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. SERV. ☐ OTHER ☐

Name of Operator
Amoco Production Co.

Address of Operator
501 Airport Drive, Farmington, N M 87401

Location of Well
SECTION H LOCATED 1670 FEET FROM THE North LINE AND 1175 FEET FROM

east LINE OF SEC. 26 TWP. 29N SEC. 10W NMPM

Date Spudded 4-28-85	16. Date T.D. Reached 5-3-85	17. Date Compl. (Ready to Prod.) 6-12-85	18. Elevations (D.F., RKB, RT, GR, etc.) 5547' KB
Total Depth 4450'	21. Plug Back T.D. 4404'	22. If Multiple Compl., How Many Two	23. Intervals Drilled By Rotary Tools 0-TD

Producing Interval(s), of this completion - Top, Bottom, Name
2876'-2984' Chacra

Type Electric and Other Logs Run
DIGL-GR-SP; CDL-CNL-GR-CAL

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#, K55	969'	12-1/4"	649 cf class B, ct class B	128cf
				Class B thixatrophic (1/8cf)	
7"	26#, J55	4450'	8-3/4"	670 cf class B-65:35	poz. 248cf
				class B Neat	

LINER RECORD				TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	3001'	

Perforation Record (Interval, size and number)
876'-2886', 2962'-2984', 4 jsp, 44" in diameter, for a total of 128 holes.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2876'-2984'	80,000 gal 70 quality foam and 135,000 # sand

PRODUCTION

First Production
6-19-85

Production Method (Flowing, gas lift, pumping - Size and type pump)
Flowing

Well Status (Prod. or Shut-in)
shut-in

Date of Test 6-20-85	Hours Tested 3hrs	Choke Size .75"	Prod'n. for Test Period →	Oil - Bbl. 253	Gas - MCF 2024	Water - Bbl.	Gas - Oil Ratio
-------------------------	----------------------	--------------------	------------------------------	-------------------	-------------------	--------------	-----------------

Well Tubing Press. 162 psig	Casing Pressure 478 psig	Calculated 24-Hour Rate →	Oil - Bbl.	Gas - MCF 2024	Water - Bbl.	Oil Gravity - API (Corr.)
--------------------------------	-----------------------------	------------------------------	------------	-------------------	--------------	---------------------------

Disposition of Gas (Sold, used for fuel, vented, etc.)
To be sold

Test Witnessed By
Bryan Service

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.

BDS Shaw TITLE Admin Supervisor DATE 7/11/85

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and resistivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths; in the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Zones 10 through 14 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House 3532	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee 3566	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout 4160	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	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
			Not logged above Otero Chacra				
2500'	3532'		Otero Chacra				
3532'	3566'		Cliff House				
3566'	4160'		Menefee				
4160'	4450'		Point Lookout				

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES DESIRED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.A.	
LAND OFFICE	
OPERATOR	

TYPE OF WELL

TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐

Name of Operator

Moco Production Company

Address of Operator

1 Airport Drive Farmington, NM 87401

Location of Well

SECTION H LOCATED 1670 FEET FROM THE North LINE AND 1175 FEET FROM

East LINE OF SEC. 26 TWP. 29N REC. 10W NMPM

Date Spudded 28-85	15. Date T.D. Reached 5-3-85	17. Date Compl. (Ready to Prod.) 6-12-85	18. Elevations (DF, RKB, RT, GR, etc.) 5547' KB	19. Elev. Casinghead 5534' GR
Total Depth 4450'	21. Plug Back T.D. 4404'	22. If Multiple Compl., How Many Two	23. Intervals Drilled By Rotary Tools O-TD	Cable Tools

Producing Interval(s), of this completion — Top, Bottom, Name

3622'-4330' Mesaverde

Type Electric and Other Logs Run

GL-GR-SP; CDL-CNL-GR-CAL

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#, K55	969'	12-14"	649 cf Class B, 148 cf Class B, 118 cf Class B Thixatrophic	
7"	26#, J55	4450'	8-3/4"	670 cf Class B 65:35 poz, 248 cf Class B Neat	

LINER RECORD

TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	4341'	

Perforation Record (Interval, size and number)

3622'-3628', 3694'-3704', 3780'-3786',
3810'-3828', 3850'-3858', 3864'-3872',
3886'-3904', 2 jspf, .44", 148 holes;
4056'-4074', 4180'-4232', 4260'-4270',
4320'-4330', 2 jspf, .44", 180 holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3622'-3904'	140,00 gal 20# crosslinked gel and 215,00# sand
4056'-4330'	95,400 gal 20# crosslinked gel and 75,800# sand

PRODUCTION

First Production 6-26-85	Production Method (Flowing, gas lift, pumping — Size and type pump) Flowing	Well Status (Prod. or Shut-in) Shut-in
Test 6-27-85	Hours Tested 3 hrs.	Choke Size .75"
Prod'n. For Test Period	Oil — Bbl. 415	Gas — MCF 3221
Water — Bbl.	Gas — Oil Ratio	
Tubing Press. none	Casing Pressure 262 psig	Calculated 24-Hour Rate
Oil — Bbl.	Gas — MCF	Water — Bbl.
Oil Gravity — API (Corr.)		

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

to be sold

Test Witnessed By

Bryan Services

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.

SIGNED

BSShaw

TITLE

Admin. Supervisor

DATE 7/11/85

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and resistivity logs run on the well and a summary of all spectral logs conducted, including drill stem tests. All depths reported shall be measured depths, in the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1165.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
T. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House 3532	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee 3566	T. Madison
T. Queen	T. Silurian	T. Point Lookout 4160	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qizte
T. Glorieta	T. McKee	T. Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	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 (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
			Not logged above				
2500'	3532'		Otero Chacra				
3532'	3566'		Otero Chacra				
3566'	4160'		Cliffhouse				
4160'	4450'		Menefee				
			Point Lookout				

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☒ Special		Test Date		6-20-85	
Company				Connection							
Amoco Production Co.				El Paso Natural Gas Co.							
Pool				Formation				Unit			
Otero				Chacra							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
6-12-85		4450		4405		5534 GR		Baca Gas Com "A"			
Seq. Size	WI.	d	Set At	Perforations:				Well No.			
7.000	23	6.366	4450	From 2962		To 2886		1			
Fig. Size	WI.	d	Set At	Perforations:				Unit Sec. Twp. Rye.			
2.063	3.25	1.751	2301	From perf.		To sub.		H 26 29 10			
Type Well - Single - Brdenhead - G.C. or G.O. Multiple				Packer Set At				County			
Single				3053				San Juan			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
tubing		P						New Mexico			
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
7 days						868		881		
2.375	.750					162		478		3 hrs.

RATE OF FLOW CALCULATIONS						
Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
12.365		174	1.000	.9258	1.016	2024

P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	JUL 12 1985	Mc/bbl.
				A.P.I. Gravity of Liquid Hydrocarbons	OIL CON. DIV.	Deg.
				Specific Gravity Separator Gas	X X X X X X X X X X	
				Specific Gravity Flowing Fluid	X X X X X	DIST. 3
				Critical Pressure	P.S.I.A.	P.S.I.A.
				Critical Temperature	R	R

892	P _c ²	795664		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4322$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3092$
P _t ²	P _w	P _w ²	P _c ² - P _w ²		
	490	240100	555564		
				AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2650$	

Initial Open Flow	Mc/d @ 15.025	Angle of Slope @	Slope, n .75
Notes: Flared, Lite H2O, Lite Oil			
Reviewed By Division	Conducted By	Calculated By	Checked By

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

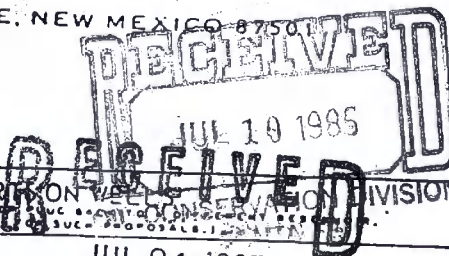
NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-76



SUNDY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR TO CEMENT BACK OR TO OTHERWISE REPAIR A WELL. USE "APPLICATION FOR PERMIT" (Form C-101) FOR SUCH PROPOSALS.

JUL 01 1985

OIL CON. DIV.
DIST. 3

3a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	
Baca Gas Com A	
9. Well No.	
1	
10. Field and Pool, or Wildcat	
Otero Chacra/ Blanco Mesaverde	
12. County	
San Juan	

OIL WELL ☐	GAS WELL ☒	OTHER ☐
Name of Operator		
Amoco Production Co.		
Address of Operator		
501 Airport Drive, Farmington, N M 87401		
Location of well		
UNIT LETTER <u>H</u>	<u>1670</u> FEET FROM THE <u>North</u> LINE AND <u>1175</u> FEET FROM THE <u>East</u> LINE, SECTION <u>26</u> TOWNSHIP <u>29N</u> RANGE <u>10W</u> N.M.P.M.	

15. Elevation (Show whether DF, RT, GR, etc.)
5534' GR

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

REFORM REMEDIAL WORK ☐ TEMPORARILY ABANDON ☐ PLUG OR ALTER CASING ☐ OTHER ☐	PLUG AND ABANDON ☐ CHANGE PLANS ☐	REMEDIAL WORK ☐ COMMENCE DRILLING OPNS. ☐ CASING TEST AND CEMENT JOBS ☐ OTHER ☒ Completion	ALTERING CASING ☐ PLUG AND ABANDONMENT ☐
--	--	--	---

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Moved in and rigged up service unit on 5-8-85. Total depth of the well is 4450' and plugback depth is 4404'. Squeezed bradenhead with 354 cu.ft. Class B Neat. Pressure tested production casing to 3500 psi for 30 minutes. Perforated the following intervals: 4056'-4074', 4180'-4232', 4260'-4270', 4320'-4330', 2 jspf, .44" in diameter, for a total of 180 holes. Fraced interval 4056'-4330' with 95,400 gal 20# crosslinked gel and 75,800 # sand. Perforated the following intervals: 3622'-3628', 3694'-3704', 3780'-3786', 3810'-3828', 3850'-3858', 3864'-3872', 3886'-3904', 2 jspf, .44" in diameter, for a total of 148 holes. Fraced interval 3622'-3904' with 140,000 gal 20# crosslinked gel and 125,000# sand. Perforated the following intervals: 2876'-2886', 2962'-2984', 2876'-2984' with 80,000 gal 70 quality foam and 135,000# sand. Chemically treated hole with 1500 gals acid. Cleaned out 200' of sand to plugback depth with nitrogen foam. Landed Chacra 2-3/8" tubing at 3001' and Mesaverde 2-3/8" tubing at 4341'. Released the rig on 6-12-85.

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

BDS Shaw

Adm. Supervisor

6-22-85

SUPERVISOR DISTRICT #3

JUL - 1 1985

DATE OF APPROVAL, IF ANY: Squeezed without approval

NMOCD

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-103
Revised 10-1-76

RECEIVED

SUNDRY NOTICES AND REPORTS ENCLOSED

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG WELLS TO A CONFINED RESERVOIR.
USE "APPLICATION FOR PERMIT - FORM C-101" FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER- 2. Name of Operator Amoco Production Co. 3. Address of Operator 501 Airport Drive, Farmington, N M 87401 4. Location of Well UNIT LETTER <u>H</u> <u>1670</u> FEET FROM THE <u>North</u> LINE AND <u>1175</u> FEET FROM THE <u>East</u> LINE, SECTION <u>26</u> TOWNSHIP <u>29N</u> RANGE <u>10W</u> N.M.P.M. 15. Elevation (Show whether DF, RT, GR, etc.) 5534' GR	5a. Indicate Type of Lease State ☐ Fee ☒ 5. State Oil & Gas Lease No. 7. Unit Agreement Name 8. Farm or Lease Name Baca Gas Com A 9. Well No. 1 10. Field and Pool, or Wildcat <u>Blanco Mesaverde</u> 12. County San Juan
--	--

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:
 PERFORM REMEDIAL WORK ☐
 TEMPORARILY ABANDON ☐
 PULL OR ALTER CASING ☐
 OTHER ☐

 PLUG AND ABANDON ☐
 CHANGE PLANS ☐
☐

SUBSEQUENT REPORT OF:

 REMEDIAL WORK ☐
 COMMENCE DRILLING OPERATIONS ☐
 CASING TEST AND CEMENT JOBS ☐
 OTHER Spud and set casing ☒
 ALTERING CASING ☐
 PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Spud a 12-1/4" hole on 4-28-85 at 0130 hours. Drilled to 969'. Set 9-5/8", 36#, K55 casing at 969'. Stage 1: cemented with 649 cu. ft. Class B. Stage 2: cemented with 148 cu. ft. Class B. Stage 3: cemented with 118 cu. ft. Class B Thixatrophic. Circulated cement to surface after all stages. Pressure tested casing to 1000 psi for 30 minutes. Drilled an 8-3/4" hole to a TD of 4450' on 5-3-85. Set 7", 26#, J55 casing at 4450'. Stage 1: cemented with 670 cu. ft. Class B 65:35 poz and tailed in with 248 cu. ft. Class B Neat. Ran a temperature survey (see attached) which indicated cement top to be at 1400'.

No DV tool was set and the rig was released on 5-4-85.

RECEIVED
MAY 31 1985
OIL CON. DIV.
DIST. 3

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

 BY B D Shaw TITLE Adm. Supervisor DATE 5-23-85
 BY Frank D. Shaw TITLE SUPERVISOR DISTRICT # 3 DATE MAY 31 1985
 CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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

RECEIVED
MAY - 7 1985

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	
Baca Gas Com A	
9. Well No.	
1	
10. Field and Pool, or Whidcom	
Blanco Mesa Verde	
12. County	
San Juan	

SUNDAY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEVELOP OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☐	GAS WELL ☒	OTHER ☐
Name of Operator		
Amoco Production Co.		
Address of Operator		
501 Airport Drive, Farmington, N M 87401		
Location of Well		
UNIT LETTER	H	1670 FEET FROM THE north LINE AND 1175 FEET FROM THE east LINE, SECTION 26 TOWNSHIP 29N RANGE 10W NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)

5534' GR

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐
WELL OR ALTER CASING ☐	OTHER ☒ Casing change

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐	ALTERING CASING ☐
COMMENCE DRILLING OPS. ☐	PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐	OTHER ☐

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Amoco Production Company requests approval to change the proposed casing program as follows: Set 80', 13-3/8", 48#, H-40 conductor pipe. Set 1000', 9-5/8", 36#, K55 with 650 SX Class B cement. Circulate to surface.

Verbal approval received from Frank Chavez to B. Davids on 4/24/85.

RECEIVED

APR 30 1985

OIL CON. DIV.
DIST. 3

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

SIGNED BDS Shaw TITLE Adm. Supervisor DATE 4/24/85

APPROVED BY Frank Chavez TITLE SUPERVISOR DISTRICT 3 DATE APR 30 1985

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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



Form C-103
Revised 10-1-78

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Baca Gas Com "A"

9. Well No.
1

10. Field and Pool or Wildcat
Blanco Mesaverde

12. County
San Juan

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☐ GAS WELL ☒ OTHER-

Name of Operator
Amoco Production Co.

Address of Operator
501 Airport Drive, Farmington, N M 87401

Location of Well
UNIT LETTER H 1670 FEET FROM THE north LINE AND 1175 FEET FROM
THE East LINE, SECTION 26 TOWNSHIP 29N RANGE 10W NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
5534' GR

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERING CASING ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐ OTHER ☒ Extension of Permit to Drill

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Amoco Production Company requests approval for an extension of the Permit to Drill for the above referenced well.

Expires 9-11-85

RECEIVED
APR 15 1985
OIL CON. DIV.
DIST. 3

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

CHECKED BDS Shaw TITLE Adm. Supervisor DATE 4/12/85

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT DATE APR 15 1985

CONDITIONS OF APPROVAL, IF ANY:

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

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-103
Revised 10-1-78

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

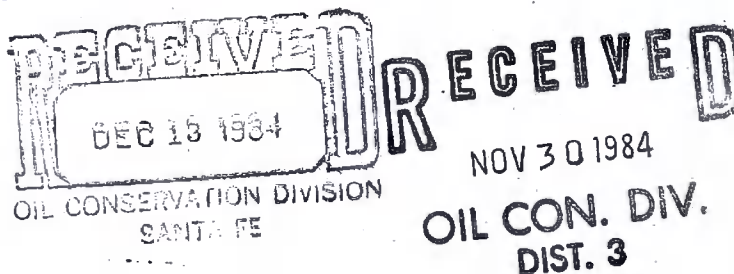
OIL WELL ☐	GAS WELL ☒	OTHER ☐
Name of Operator Amoco Production Company		
Address of Operator 501 Airport Drive, Farmington, NM 87401		
Location of Well UNIT LETTER <u>H</u> <u>1670</u> FEET FROM THE <u>North</u> LINE AND <u>1175</u> FEET FROM THE <u>East</u> LINE, SECTION <u>26</u> TOWNSHIP <u>29N</u> RANGE <u>10W</u> NMPM.		
15. Elevation (Show whether DF, RT, GR, etc.) 5534' GR		
12. County San Juan		

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

INFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
WILL OR ALTER CASING ☐	CHANGE PLANS ☒	CASING TEST AND CEMENT JOBS ☐	
OTHER ☐		OTHER ☐	

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Amoco Production Company requests approval to change the casing from 8-5/8", 24#, J-55 to 9-5/8", 32.3#, H-40 and the 4-1/2", 10.5#, K-55 to 7", 40#, K-55. We would also like to dual complete this well as Otero Chacra with 160 acre spacing and Blanco Mesaverde with 320 acre spacing (see plat attached). The new total depth would be 4448'.



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

CHD <u>BDS Shaw</u>	TITLE <u>Administrative Supervisor</u>	DATE <u>11/27/84</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>SUPERVISOR DISTRICT # 3</u>	DATE <u>NOV 30 1984</u>
CONDITIONS OF APPROVAL, IF ANY:		

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-78

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

Operator AMOCO PRODUCTION COMPANY		Lease BACA GAS COM "A"		Well No. 1
Well Letter H	Section 26	Township 29N	Range 10W	County San Juan
Actual Footage Location of Well: 1670 feet from the North line and 1175 feet from the East line				
Ground Level Elev: 5534	Producing Formation Mesaverde + Chacra	Pool Blanco Mesaverde + Otero Chacra	Dedicated Acreage: 320 / 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 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.

Sec.		26	
		RECEIVED NOV 30 1984 OIL CON. DIV. DIST. 3	

CERTIFICATION

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

Original Signed By
B. D. Shaw

Name

B. D. Shaw

Position

Admin. Supervisor

Company

Amoco Production Company

Date

10-8-84

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

October 6, 1984Registered Professional Engineer
and Land Surveyor**Fred B. Kern Jr.**Certificate No. **4220**

014 NMOC
AZTEC

30-045-26110
Form C-101
Revised 1-1-65

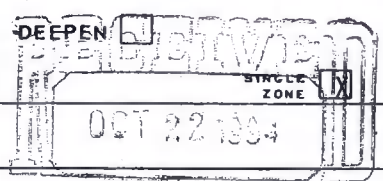
COPIES RECEIVED		
DISTRIBUTION		
NTA FE		
LE		
S.G.S.		
IND OFFICE		
ERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

5A. Indicate Type of Lease
STATE ☐ FEE ☒
5. State Oil & Gas Lease No. 1

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work
Type of Well
OIL WELL ☐ GAS WELL ☒ OTHER ☐
Name of Operator
moco Production Company
Address of Operator
01 Airport Drive Farmington, NM 87401
Location of Well
UNIT LETTER H LOCATED 1670 FEET FROM THE North LINE
1175 FEET FROM THE East LINE OF SEC. 26 TWP. 29N RGE. 10W NMMPM



7. Unit Agreement Name
8. Farm or Lease Name
Baca Gas Com "A"
9. Well No.
1
10. Field and Pool, or Wildcat
Blanco Mesaverde

12. County
San Juan
19. Proposed Depth
4388'
19A. Formation
Mesaverde
20. Rotary or C.T.
Rotary
Elevations (Show whether DF, RT, etc.)
5534' 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"	8-5/8"	24#, J-55	300'	354 cu. ft. Class B	
6-1/4"	4-1/2"	10.5#, K-55	4388'	677 cu. ft. Class B	

moco proposes to drill the above well to further develop the Blanco Mesaverde 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 Northwest Pipeline under contract No. 108394.

APPROVAL EXPIRES 4-11-85
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

RECEIVED
OCT 11 1984
OIL CON. DIV.
DIST. 8

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE 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.
d BD Shaw Title Admin. Supervisor Date 10-8-84

(This space for State Use)
LOVED BY [Signature] TITLE SUPERVISOR DISTRICT #3 DATE OCT 11 1984
DITIONS OF APPROVAL, IF ANY:

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

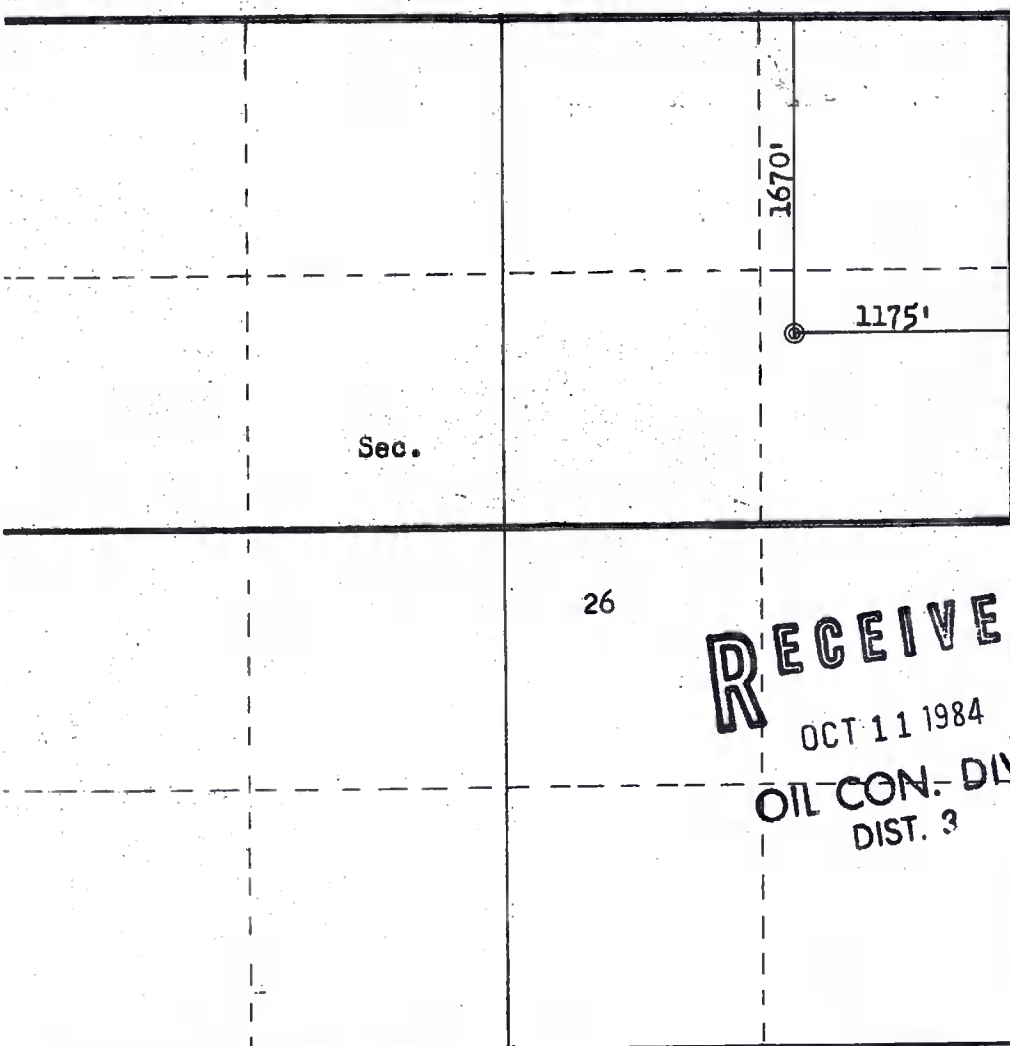
Operator AMOCO PRODUCTION COMPANY		Lease BACA GAS COM "A"		Well No. 1
Unit Letter H	Section 26	Township 29N	Range 10W	County San Juan
Actual Footage Location of Well: 1670 feet from the North line and 1175 feet from the East line				
Ground Level Elev. 5534	Producing Formation Mesaverde	Pool Blanco Mesaverde	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.



Scale: 1"=1000'

CERTIFICATION

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

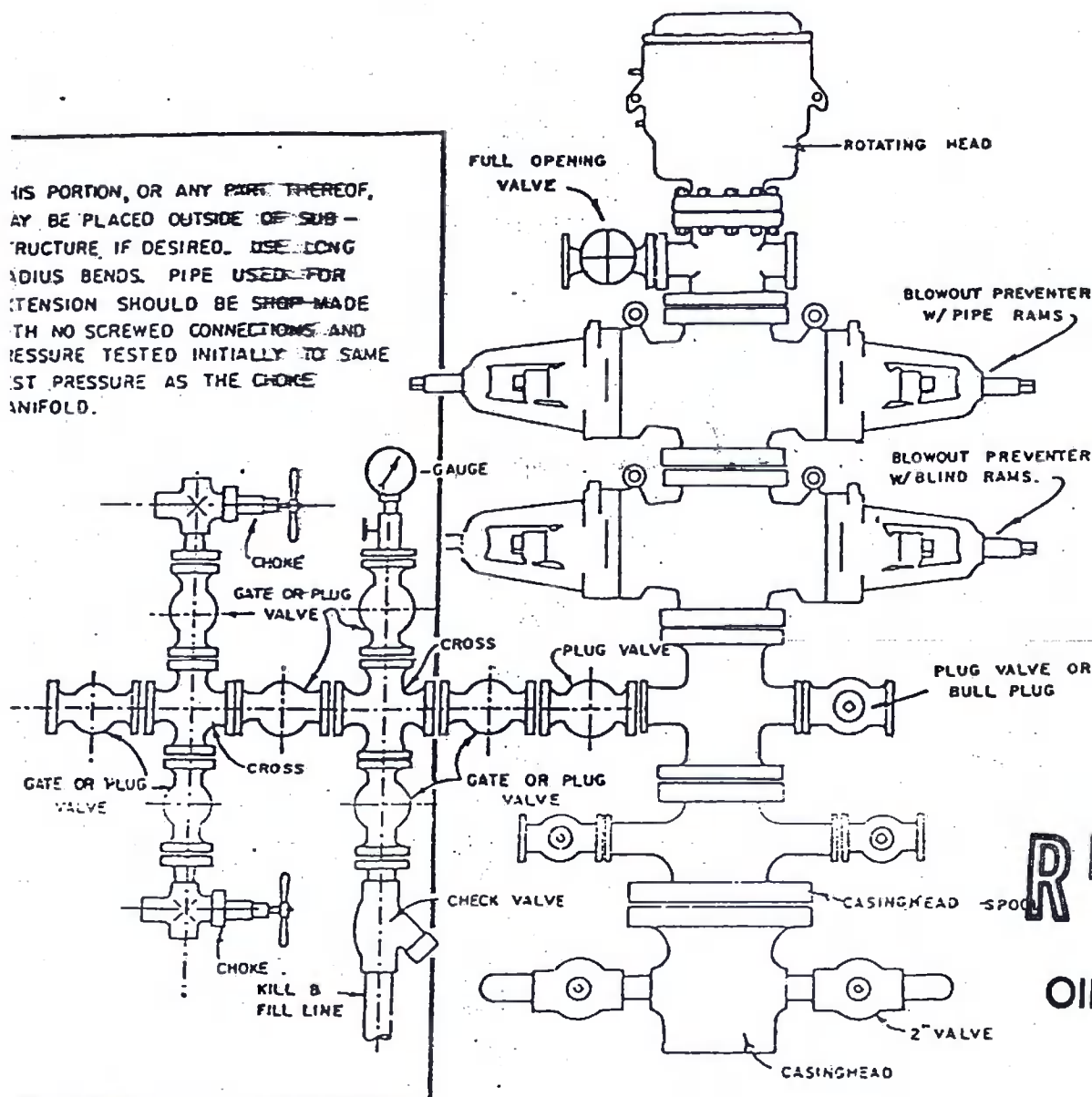
BDS Shaw

Name
B. D. Shaw
Position
Admin. Supervisor
Company
Amoco Production Company
Date
10-8-84

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
October 6, 1984
Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.
Certificate No. **3950**

- Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
- Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
- Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
- All fittings to be flanged.
- Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.



BLOWOUT PREVENTER HOOKUP

API Series # 900

RECEIVED
OCT 11 1984
OIL CON. DIV.
DIST. 3

EXHIBIT D-4

OCTOBER 16, 1969

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/21/02 13:04:44
OGOMES -TQJU
PAGE NO: 1

Sec : 26 Twp : 29N Rng : 10W Section Type : NORMAL

D 40.00	C 40.00	B 40.00	A 40.00
Federal owned	Fee owned	Fee owned	Fee owned
			A A
E 40.00	F 40.00	G 40.00	H 40.00
Fee owned	Fee owned	Fee owned	Fee owned
	A A		A A A A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

11/21/02 13:04:48
OGOMES -TQJU
PAGE NO: 2

Sec : 26 Twp : 29N Rng : 10W Section Type : NORMAL

L 40.00	K 40.00	J 40.00	I 40.00
Fee owned	Fee owned	Fee owned	Fee owned
	A A		A A A A
M 40.00	N 40.00	O 40.00	P 40.00
Fee owned	Fee owned	Fee owned	Fee owned
A A			

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD : ONGARD 11/21/02 13:05:30
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TQJU
Page No : 1

API Well No : 30 45 26110 Eff Date : 04-30-1991
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
Prop Idn : 22658 BACA GAS COM A Well No : 001
Spacing Unit : 35378 OCD Order : Simultaneous Dedication:
Sect/Twp/Rng : 26 29N 10W Acreage : 320.00 Revised C102? (Y/N) :
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	A	26	29N 10W	40.00	N	FE				
	B	26	29N 10W	40.00	N	FE				
	C	26	29N 10W	40.00	N	FE				
	D	26	29N 10W	40.00	N	FD				
	E	26	29N 10W	40.00	N	FE				
	F	26	29N 10W	40.00	N	FE				
	G	26	29N 10W	40.00	N	FE				
	H	26	29N 10W	40.00	N	FE				

E0005: Enter data to modify or PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07 BKWD	PF08 FWD	PF09	PF10 LAND	PF11 NXTSEC	PF12 RECONF

CMD : ONGARD 11/21/02 13:28:39
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQJU
 Page No: 6

OGRID Identifier : 167067 XTO ENERGY, INC.
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 26110 Report Period - From : 01 1993 To : 10 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 26110	BACA GAS COM A	12 00 31	1992	F
30 45 26110	BACA GAS COM A	01 01 31	1942	40 F
30 45 26110	BACA GAS COM A	02 01 28	1793	F
30 45 26110	BACA GAS COM A	03 01 31	1904	25 F
30 45 26110	BACA GAS COM A	04 01 30	1834 1	F
30 45 26110	BACA GAS COM A	05 01 29	1619	80 F
30 45 26110	BACA GAS COM A	06 01 26	1562	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 11/21/02 13:28:40
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQJU
 Page No: 7

OGRID Identifier : 167067 XTO ENERGY, INC.
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 26110 Report Period - From : 01 1993 To : 10 2002

API Well No	Property Name	Prod. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 26110	BACA GAS COM A	07 01 31	1862	F
30 45 26110	BACA GAS COM A	08 01 31	1864	70 F
30 45 26110	BACA GAS COM A	09 01 30	1742	F
30 45 26110	BACA GAS COM A	10 01 31	1856	F
30 45 26110	BACA GAS COM A	11 01 26	1595	20 F
30 45 26110	BACA GAS COM A	12 01 30	1961	66 F
30 45 26110	BACA GAS COM A	01 02 31	1789	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 11/21/02 13:28:43
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQJU
 Page No: 8

OGRID Identifier : 167067 XTO ENERGY, INC.
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)
 API Well No : 30 45 26110 Report Period - From : 01 1993 To : 10 2002

API Well No	Property Name	Prod. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 26110	BACA GAS COM A	02 02 26	1488	F
30 45 26110	BACA GAS COM A	03 02 31	1859	F
30 45 26110	BACA GAS COM A	04 02 30	1705	F
30 45 26110	BACA GAS COM A	06 02 24	1436	40 F
30 45 26110	BACA GAS COM A	07 02 30	1724 1	F
30 45 26110	BACA GAS COM A	08 02 31	1516	80 F

Reporting Period Total (Gas, Oil) : 107864 52 1670

M0001: This is the last page

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD 11/21/02 13:05:59
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TQJU

API Well No : 30 45 26110 Eff Date : 01-01-1998 WC Status : A
Pool Idn : 82329 OTERO CHACRA (GAS)
OGRID Idn : 167067 XTO ENERGY, INC.
Prop Idn : 22658 BACA GAS COM A

Well No : 001
GL Elevation: 5534

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn	: H	26	29N	10W	FTG 1670 F N	FTG 1175 F E	P
Lot Identifier:							
Dedicated Acre:							160.00
Lease Type	: P						
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O)							:

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 11/21/02 13:06:03
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TQJU
Page No : 1

API Well No : 30 45 26110 Eff Date : 04-30-1991
Pool Idn : 82329 OTERO CHACRA (GAS)
Prop Idn : 22658 BACA GAS COM A Well No : 001
Spacing Unit : 6097 OCD Order : Simultaneous Dedication:
Sect/Twp/Rng : 26 29N 10W Acreage : 160.00 Revised C102? (Y/N) :
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	A	26	29N 10W	40.00	N	FE				
	B	26	29N 10W	40.00	N	FE				
	G	26	29N 10W	40.00	N	FE				
	H	26	29N 10W	40.00	N	FE				

E0005: Enter data to modify or PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07 BKWD	PF08 FWD	PF09	PF10 LAND	PF11 NXTSEC	PF12 RECONF

CMD : ONGARD 11/21/02 13:28:10
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQJU
 Page No: 6

OGRID Identifier : 167067 XTO ENERGY, INC.
 Pool Identifier : 82329 OTERO CHACRA (GAS)
 API Well No : 30 45 26110 Report Period - From : 01 1993 To : 10 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 26110	BACA GAS COM A	12 00 31	1221	F
30 45 26110	BACA GAS COM A	01 01 31	1190	F
30 45 26110	BACA GAS COM A	02 01 28	1099	F
30 45 26110	BACA GAS COM A	03 01 31	1167	F
30 45 26110	BACA GAS COM A	04 01 30	1124	F
30 45 26110	BACA GAS COM A	05 01 29	992	F
30 45 26110	BACA GAS COM A	06 01 26	958	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

OGRID Identifier : 167067 XTO ENERGY, INC.
Pool Identifier : 82329 OTERO CHACRA (GAS)
API Well No : 30 45 26110 Report Period - From : 01 1993 To : 10 2002

API	Well	No	Property	Name		Prod.	Days	Production Volumes			Well	
								MM/YY	Prod	Gas		Oil
30	45	26110	BACA	GAS	COM A	07	01	31	1141			F
30	45	26110	BACA	GAS	COM A	08	01	31	1142			F
30	45	26110	BACA	GAS	COM A	09	01	30	1069			F
30	45	26110	BACA	GAS	COM A	10	01	31	1137			F
30	45	26110	BACA	GAS	COM A	11	01	26	978			F
30	45	26110	BACA	GAS	COM A	12	01	30	1202			F
30	45	26110	BACA	GAS	COM A	01	02	31	1097			F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

```
PF01 HELP      PF02      PF03 EXIT      PF04 GoTo      PF05      PF06 CONFIRM
PF07 BKWD      PF08 FWD    PF09      PF10 NXTPOOL PF11 NXTOGD PF12
```


CMD : ONGARD 11/21/02 13:28:12
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQJU
Page No: 8

OGRID Identifier : 167067 XTO ENERGY, INC.
Pool Identifier : 82329 OTERO CHACRA (GAS)
API Well No : 30 45 26110 Report Period - From : 01 1993 To : 10 2002

API Well No	Property Name	Prod. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 26110	BACA GAS COM A	02 02 26	912	F
30 45 26110	BACA GAS COM A	03 02 31	1140	F
30 45 26110	BACA GAS COM A	04 02 30	1045	F
30 45 26110	BACA GAS COM A	06 02 24	880	F
30 45 26110	BACA GAS COM A	07 02 30	1056	F
30 45 26110	BACA GAS COM A	08 02 31	930	F

Reporting Period Total (Gas, Oil) : 66121

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12