

DATE IN 9/4/01	SU [REDACTED]	ENGINEER MS	LOGGED KV	TYPE NSL
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125329971

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

X NSL _ NSP _ DD _ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

_ DHC _ CTB _ PLC _ PC _ OLS _ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

_ WFX _ PMX _ SWD _ IPI _ EOR _ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or X Does Not Apply

[A] _ Working, Royalty or Overriding Royalty Interest Owners

[B] _ Offset Operators, Leaseholders or Surface Owner

[C] _ Application is One Which Requires Published Legal Notice

[D] _ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] _ For all of the above, Proof of Notification or Publication is Attached, and/or,

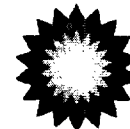
[F] _ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Mary Corley	Sr. Regulatory Analyst	06/18/2001
Print or Type Name	Signature	Title
		Date



San Juan Business Unit
Amoco Production Company
A Part of the BP Amoco Group
501 WestLake Park Blvd.
Houston, TX 77079-3092

Phone 281-366-4491

June 18, 2001

Mr. Michael Stogner
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Application For Non-Standard Well Location
E. E. Elliott B Well No. 8M
730 FSL 2415 FWL, Section 27 T30N R9W
Basin Dakota Gas Pool
San Juan County, New Mexico

SEP - 4 2001

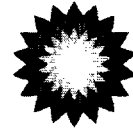
Amoco hereby requests administrative approval for an unorthodox location for the referenced proposed well due to geologic reasons.

Amoco wants to drill the E. E. Elliott B 8M well to the Mesaverde and Dakota formations at the above location, which is non-standard for the Dakota formation only. This well will be the third Mesaverde and third Dakota well in the respective laydown GPU's. In the Dakota, this well will replace the E. E. Elliot B 8 in the SW/4, which was plugged and abandoned in 1996.

Attachments 1 and 2 show the surface topography and existing wells in the 9-section area centered on Section 27. Attachments 3 and 4 respectively show the well's proposed location at the Mesaverde and Dakota horizons in relation to existing active and inactive wells and the defined drilling windows.

Based on our estimates of well productivity and reserves for a Dakota well in this GPU, we believe the Dakota can only be economically developed by deepening a Mesaverde infill well. Our plan for the E. E. Elliott B 8M is to drill and complete it as a commingled Mesaverde/Dakota producer. The well's proposed bottomhole location is based on optimal placement in the Dakota and Mesaverde, taking into account surface terrain and reservoir drainage patterns in both horizons.

Attachment 5 shows our estimated drainage pattern for the Mesaverde reservoir. Locating the proposed well within the defined limits for a standard Dakota well location (per Order No. R-10987-B), would place it within the drainage ellipse of the E. E. Elliott B 1. The new well would suffer excessive interference with the E. E. Elliott B 1 and would therefore be uneconomic to drill.



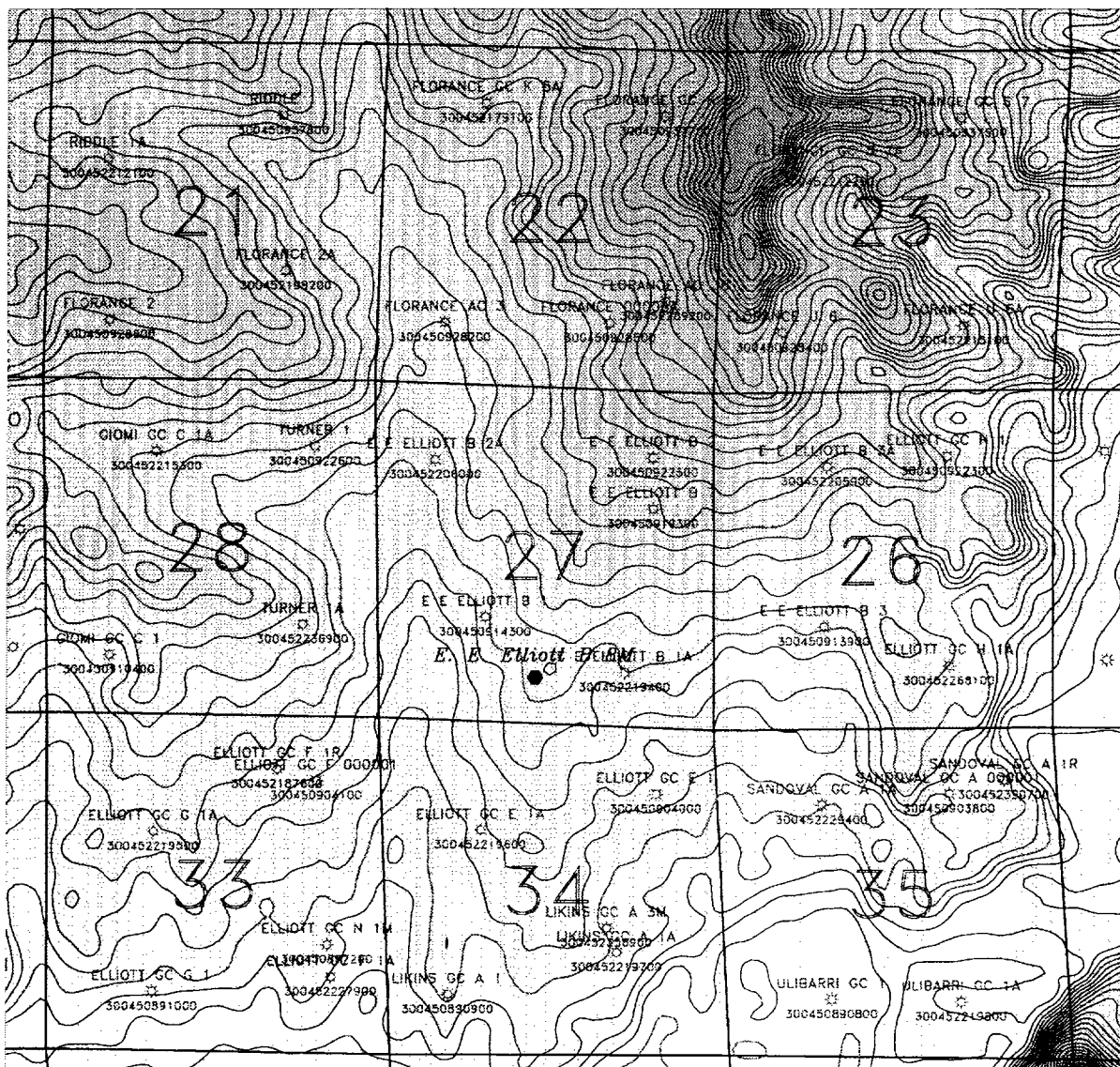
Attachment 6 shows our estimated drainage pattern for the Dakota reservoir. The proposed well is located outside the estimated drainage areas of the surrounding Dakota producers. The location does not encroach on the outer boundaries of the Dakota GPU and does not impact correlative rights with royalty and working interest owners in the adjacent GPU's.

Amoco respectfully requests that a non-standard location for the Basin Dakota Pool be issued for the referenced well for the reasons cited above. If there are any questions concerning this application, please call me at (281) 366-4491 or Bill Hawkins at (303) 830-3259. Geological/reservoir questions may be directed to Bob Moore at (281) 366-5818, and land questions to Steve Reinert (281) 366-5852.

Sincerely,
Mary Corley
Sr. Regulatory Analyst
corleym1@bp.com

CC: Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

ATTACHMENT 1



☒ Mesaverde Well

● 2001 Proposed Well Location

Amoco Production Company
Houston, Texas

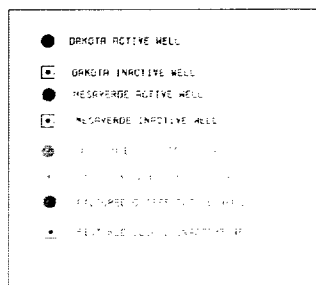
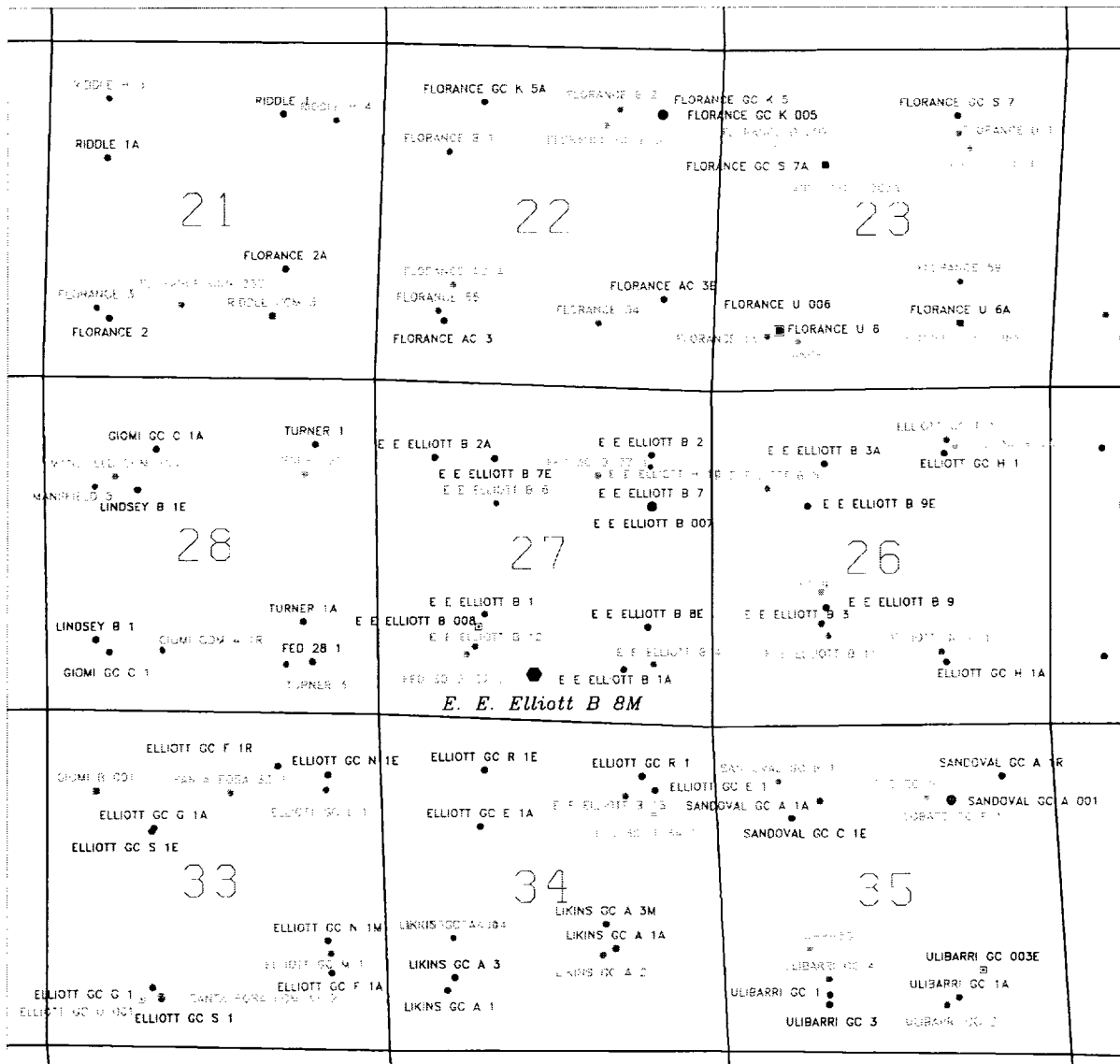
9 Section Plat

Topography

30N 9W Section 27

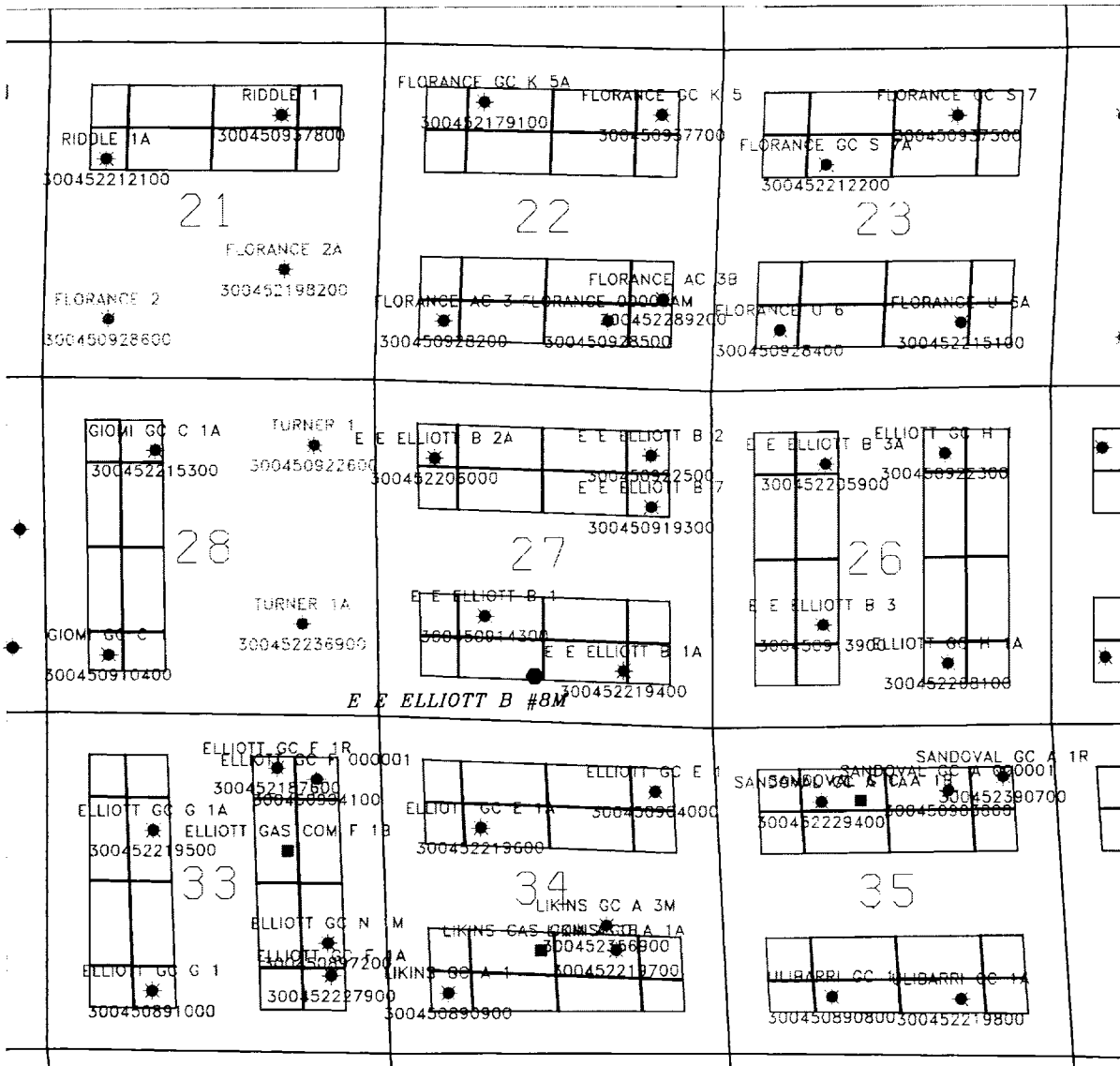
SCALE	DRAWN C. E. SACKETT	DATE 19-JUN-2001
ENGINEERING		

ATTACHMENT 2



Amoco Production Company Houston, Texas			
9 Section Plat			
30N 9W Section 27			
E. E. Elliott B 8M			
SCALE	DRAWN C. E. Sackett	DATE 19-JUN-2001	
DRAWING			

ATTACHMENT 3



WELL SYMBOL LEGEND

- ★ Active Well
- ◆ P&A Well
- Inactive or S/I Well

COLOR LEGEND

- Amoco/Vastar Operated
- Burlington Operated
- Conoco Operated
- Other Co. Operated
- Special Well Legend

- 2000 Program Location
- 2001 Proposed Location

Amoco Production Company
Houston, Texas

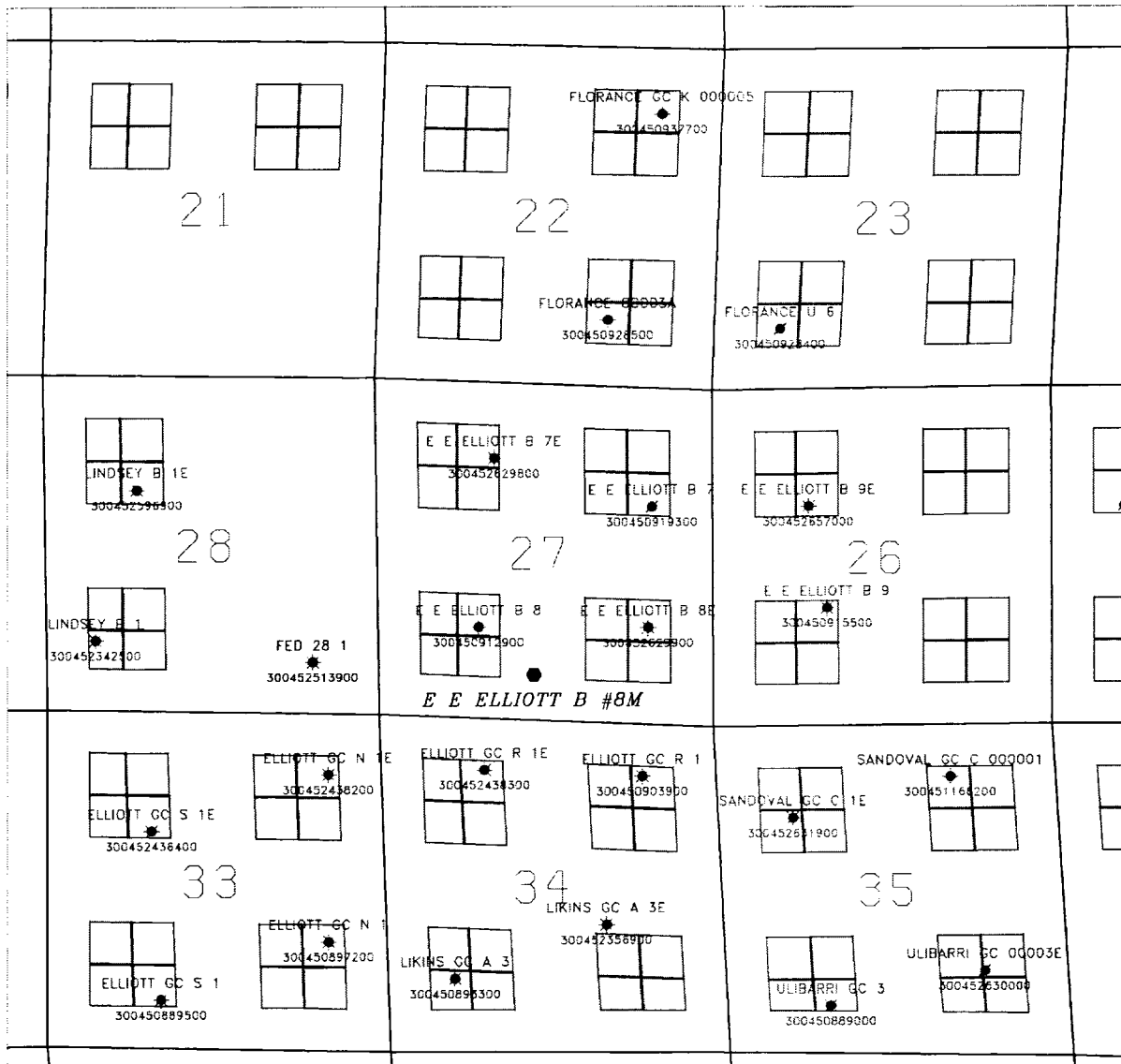
9 Section Plat

30N 9W Section 27 - MV Wells

E. E. Elliott B 8M

SCALE	DRAWN C. E. Sackett	DATE 19-JUN-2001
DRAWING		

ATTACHMENT 4



WELL SYMBOL LEGEND

- ★ Active Well
- ◆ P&A Well
- Inactive or S/I Well

COLOR LEGEND

- Amoco/Vastar Operated
- Bunington Operated
- Conoco Operated
- Other Co. Operated

Special Well Legend

- 2000 Program Location
- 2001 Proposed Location

Amoco Production Company
Houston, Texas

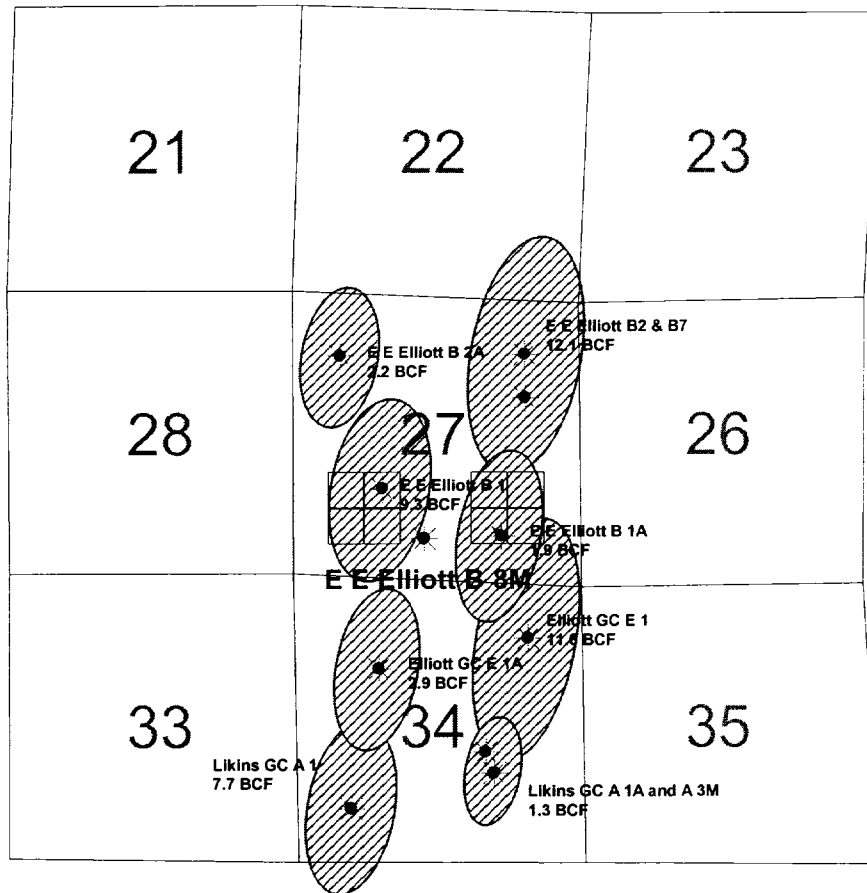
9 Section Plat

30N 9W Section 27 - DK Wells

E. E. Elliott B 8M

SCALE: DRAWN: C. E. SACKETT DATE: 19-JUN-2001

E E Elliott B 8M
Application for Non-Standard Basin Dakota Location
S/2 of Section 27 T30N R9W
Mesaverde Reservoir Drainage Patterns



The drainage ellipses shown above depict the areas that are being efficiently drained by the current Mesaverde wells on 160-acre well spacing. The ellipses were determined by a 3-dimensional, multi-layer reservoir simulation of the Mesaverde reservoir. The reservoir simulator honors the generally accepted NNE-SSW natural fracture pattern in the Basin that results in elliptical drainage areas (*Harstad, Teufel, and Lorenz*). Areas outside of the ellipses are not being efficiently drained by the present well pattern.

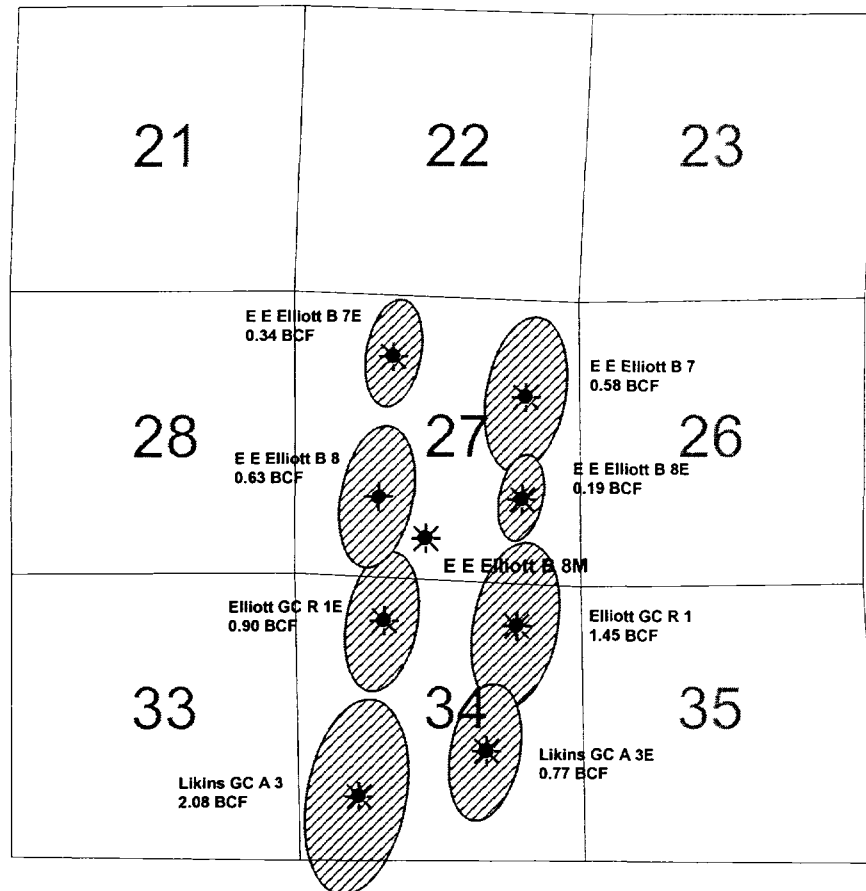
Also shown are the boundaries of the well location requirements for a standard Basin Dakota well per Order # R-10987-B. If the proposed well were drilled to a standard Dakota location in the SW/4 of Section 27, it would be located within the drainage ellipse of the E E Elliott B 1 in the Mesaverde and would cause excessive interference with this well.

E E Elliott B 8M

Application for Non-Standard Basin Dakota Location

S/2 of Section 27 T30N R9W

Dakota Reservoir Drainage Patterns



The estimated drainage areas for the wells offsetting the proposed E E Elliott B 8M are shown above. The E E Elliott B 8, the first Dakota producer completed in the SW/4 of Section 27, was abandoned in 1996 after producing a cumulative 0.63 BCF. The estimated area drained by the E E Elliott B 8 is 63 acres.

The proposed location for the E E Elliott B 8M is outside the E E Elliott B 8 and other nearby wells' drainage areas. We expect that the E E Elliott B 8M will encounter original or only partially depleted reservoir pressure in the Basin Dakota.

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 71599		3 Pool Name Basin DAKOTA	
4 Property Code 000470		5 Property Name E. E. Elliott B			6 Well Number # 8M
7 OGRID No. 000778		8 Operator Name AMOCO PRODUCTION COMPANY			9 Elevation 5836

10 Surface Location

UL or Lot No. N	Section 27	Township 30 N	Range 9 W	Lot Idn	Feet from the 730	North/South line SOUTH	Feet from the 2415	East/West line WEST	County SAN JUAN
---------------------------	----------------------	-------------------------	---------------------	---------	-----------------------------	----------------------------------	------------------------------	-------------------------------	---------------------------

11 Bottom Hole Location If Different From Surface

12 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
13 Dedicated Acres 320									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16		5219(R)		17 OPERATOR CERTIFICATION	
		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.		Signature <i>Mary Corley</i> Printed Name MARY CORLEY Title SR. Regulatory Analyst Date 6-18-2001	
				18 SURVEYOR CERTIFICATION	
				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 belief.	
				May 4, 2001 Date of Survey Signature and Seal of Professional Surveyor 	
7016		Certificate Number			

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
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Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 72319		3 Pool Name BLANCO MESAVERDE	
4 Property Code 000470		5 Property Name E. E. Elliott B			6 Well Number # 8M
7 OGRID No. 000778		8 Operator Name AMOCO PRODUCTION COMPANY			9 Elevation 5836

10 Surface Location

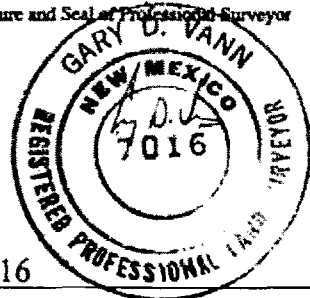
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	27	30 N	9 W		730	SOUTH	2415	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 320.	13 Joint or Infill	14 Order No.
-----------------------------------	--------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	3219(R)			17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <i>Mary Corley</i> Printed Name MARY CORLEY Title Sr. Regulatory Analyst Date 06.18.2001
	27 660' 10' 10' 660' 2415' 730'			
18 SURVEYOR CERTIFICATION 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 belief. May 4, 2001 Date of Survey Signature and Seal of Professional Surveyor  7016				

Amoco

Adm. Filing - NSI

9-4-2001

E.E. Elliot #8M

30-045-30608

OIL CONSERVATION DIVISION
1220 SO. ST. FRANCIS
SANTA FE, NM 87505

Stogner, Michael

From: Hayden, Steven
Sent: Tuesday, September 04, 2001 1:38 PM
To: Stogner, Michael
Subject: RE: E E Elliott B 8M NSL

The E.E.Elliott B 8M seems ok to me on geologic grounds.

I have added this drop box to my Favorites list. Now if they will remind me to look at things they leave there, it will be good.

Steve Hayden
NM OCD District III
1000 Rio Brazos Rd.
Aztec, NM 87410

shayden@state.nm.us
(505) 334-6178 Ext. 14
Fax: (505) 334-6170

-----Original Message-----

From: Stogner, Michael
Sent: Tuesday, September 04, 2001 11:45 AM
To: Hayden, Steven
Subject: FW: E E Elliott B 8M NSL

I finally was able to open this item. Do you have any comments?

-----Original Message-----

From: Corley, Mary L [mailto:corleym1@bp.com]
Sent: Wednesday, June 27, 2001 2:02 PM
To: Michael' 'Stogner (E-mail); Steven Hayden (E-mail)
Subject: E E Elliott B 8M NSL

Michael, I have created a drop box on an internet site that you should be able to access and down load or copy the attachments. Hopefully, this will work, if not I will submit as soon as possible the old fashioned way . . . U.S. mail.

Please Print this page and save the link as a favorite for future access.

Click on the appropriate FTP link given below.

Password is: X70bZC6B

Server Name: dropbox.bp.com
Userid: db_62713300.3
Password: X70bZC6B
Description: Regulatory Filings

External Users. Depending on your browser, you may access the dropbox at the following URL:

Netscape 4.72 and above:
ftp://db_62713300.3:X70bZC6B@dropbox.bp.com/db_62713300.3/
Internet Explorer 5 and above:
ftp://db_62713300.3:X70bZC6B@dropbox.bp.com/

Thanks,
Mary Corley
Sr. Regulatory Analyst
San Juan Business Unit

281-366-4491

Stogner, Michael

From: Corley, Mary L [corleym@bp.com]
Sent: Wednesday, June 27, 2001 2:02 PM
To: Michael 'Stogner (E-mail); Steven Hayden (E-mail)
Subject: E E Elliott B 8M NSL

Michael, I have created a drop box on an internet site that you should be able to access and down load or copy the attachments. Hopefully, this will work, if not I will submit as soon as possible the old fashioned way . . . U.S. mail.

Please Print this page and save the link as a favorite for future access.

Click on the appropriate FTP link given below.
Password is: X70bZC6B

Server Name: dropbox.bp.com
Userid: db_62713300.3
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Internet Explorer 5 and above:
ftp://db_62713300.3:X70bZC6B@dropbox.bp.com/

Thanks,
Mary Corley
Sr. Regulatory Analyst
San Juan Business Unit
281-366-4491

New Mexico Oil Conservation Division---Engineering Bureau
Administrative Application Process Documentation

Date Application Received:

9-4-2001

Date of Preliminary Review:

(Note: Must be within 10-days of received date)

9-6-2001

Results:



Application Complete

☐ **Application Incomplete**

Date Incomplete Letter Sent:

NA

Deadline to Submit Requested Information:

NA

Phone Call Date:

(Note: Only applies if requested data is not submitted within the 7-day deadline)

NA

Phone Log Completed?



Yes



No

Date Application Processed:

9-6-2001

Date Application Returned:

(Note: Only as a last resort & only after repeated attempts by the Division to obtain the necessary information to process the application)

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

09/04/01 13:45:35
OGOMES -TQCA
PAGE NO: 1

Sec : 27 Twp : 30N Rng : 09W Section Type : NORMAL

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

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06

PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

09/04/01 13:45:35
OGOMES -TQCA
PAGE NO: 2

Sec : 27 Twp : 30N Rng : 09W Section Type : NORMAL

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

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

09/04/01 13:59:27
OGOMES -TQCA

API Well No : 30 45 9129 Eff Date : 12-12-1996 WC Status : P
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
OGRID Idn : 778 AMOCO PRODUCTION CO
Prop Idn : 470 E E ELLIOTT B

Well No : 008
GL Elevation: 5829

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn	:	K	27	30N	09W	FTG 1450 F S FTG 1560 F W	P
Lot Identifier:							
Dedicated Acre:							
Lease Type	:	F					
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O)	:						

E6317: No more recs. for this api well no.

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

CMD : ONGARD 09/04/01 13:59:55
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TQCA

OGRID Idn : 778 API Well No: 30 45 30608 APD Status(A/C/P): A
Opr Name, Addr: AMOCO PRODUCTION CO Aprvl/Cncl Date : 06-13-2001
PO BOX 22048
TULSA,OK 74121

Prop Idn: 470 E E ELLIOTT B Well No: 8 M

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----		-----	-----
Surface Locn :	N	27	30N	09W			FTG 770 F S	FTG 2420 F E
OCD U/L :	N		API	County :	45			

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 5836

State Lease No: Multiple Comp (S/M/C) : M
Prpsd Depth : 7245 Prpsd Frmtn : BASIN DK/BLANCO MV

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD : ONGARD 09/04/01 14:00:14
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TQCA
Page No : 1

API Well No : 30 45 26299 Eff Date : 04-30-1991
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
Prop Idn : 470 E E ELLIOTT B Well No : 008E
Spacing Unit : 32602 OCD Order : Simultaneous Dedication:
Sect/Twp/Rng : Acreage : 320.00 Revised C102? (Y/N) :
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	I	27	30N	09W	40.00	N	FD			
	J	27	30N	09W	40.00	N	FD			
	K	27	30N	09W	40.00	N	FD			
	L	27	30N	09W	40.00	N	FD			
	M	27	30N	09W	40.00	N	FD			
	N	27	30N	09W	40.00	N	FD			
	O	27	30N	09W	40.00	N	FD			
	P	27	30N	09W	40.00	N	FD			

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 09/04/01 14:00:22
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQCA
 Page No: 1

OGRID Identifier : 778 AMOCO PRODUCTION CO
 Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)
 API Well No : 30 45 26299 Report Period - From : 01 2000 To : 06 2001

API Well No	Property Name	Prodn. Days		Production Volumes			Well
		MM/YY	Prod	Gas	Oil	Water	
30 45 26299 E E	ELLIOTT B	01 00	31	705			F
30 45 26299 E E	ELLIOTT B	02 00	29	1074			F
30 45 26299 E E	ELLIOTT B	03 00	31	1033		40	F
30 45 26299 E E	ELLIOTT B	04 00	30	950			F
30 45 26299 E E	ELLIOTT B	05 00	31	926			F
30 45 26299 E E	ELLIOTT B	06 00	25	911	7		F
30 45 26299 E E	ELLIOTT B	07 00	31	915	1		F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

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

CMD : ONGARD 09/04/01 14:00:25
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQCA
 Page No: 2

OGRID Identifier : 778 AMOCO PRODUCTION CO
 Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)
 API Well No : 30 45 26299 Report Period - From : 01 2000 To : 06 2001

API Well No	Property Name	Prod. Days		Production Volumes			Well Stat
		MM/YY	Prod	Gas	Oil	Water	
30 45 26299 E E ELLIOTT B		08 00	31	682			F
30 45 26299 E E ELLIOTT B		09 00	30	505	19		F
30 45 26299 E E ELLIOTT B		10 00	31	610			F
30 45 26299 E E ELLIOTT B		11 00	30	628			F
30 45 26299 E E ELLIOTT B		12 00	31	719			F
30 45 26299 E E ELLIOTT B		01 01	31	996			F
30 45 26299 E E ELLIOTT B		02 01	14	1071	2		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 09/04/01 14:00:27
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TQCA
Page No: 3

OGRID Identifier : 778 AMOCO PRODUCTION CO
Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)
API Well No : 30 45 26299 Report Period - From : 01 2000 To : 06 2001

API Well No			Property Name		Prodn. Days		Production Volumes			Well
					MM/YY	Prod	Gas	Oil	Water	Stat
30	45	26299	E	E	ELLIOTT	B	03 01 16	199		2 P
30	45	26299	E	E	ELLIOTT	B	04 01 30	430	1	P
30	45	26299	E	E	ELLIOTT	B	05 01 31	368	1	4 P
30	45	26299	E	E	ELLIOTT	B	06 01 30	291		P

Reporting Period Total (Gas, Oil) : 13013 31 46

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



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

April 23, 2001

Lori Wrotenbery

Director

Oil Conservation Division

**Amoco Production Company
San Juan Business Unit
501 West Lake Park Boulevard
Houston, Texas 77059-3092**

Attention: Mary Corley

Re: Amoco Production Company's placement of its proposed E. E. Elliott "B" Well No. 8-M 770 feet from the South line and 2420 feet from the East line (Unit O) of Section 27, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico, as an infill gas well in both the Blanco-Mesaverde and Basin-Dakota Pools within an existing standard 320-acre lay-down gas spacing and proration unit comprising the S/2 of Section 27.

Dear Ms. Corley:

Your application dated March 21, 2001 contains several items that can not be addressed in the administrative review process.

The rules and procedures currently governing the Basin-Dakota and Blanco-Mesaverde Pools both contain provisions that serve to check well density within existing spacing units. Review of the Division's records indicate that the proposed E. E. Elliott Well No. 8-M is located within the same quarter-quarter section as Amoco's E. E. Elliott "B" Well No. 1-A, being a completed Mesaverde gas well, and within the same quarter section as your E. E. Elliott "B" Well No. 8-E, which is shown to be a completed in both the Mesaverde and Dakota intervals. I have therefore prepared the following advertisement, which will be placed on the May 17, 2001 hearing docket:

"Application of Amoco Production Company for exceptions to the well density and location provisions of the special rules governing both the Basin-Dakota and Blanco-Mesaverde Pools, San Juan County, New Mexico. The applicant in this matter proposes to drill its E. E. Elliott "B" Well No. 8-M 770 feet from the South line and 2420 feet from the East line (Unit O) of Section 27, Township 30 North, Range 9 West, as an infill gas well in both the Blanco-Mesaverde and Basin-Dakota Pools within an existing standard 320-acre lay-down gas spacing and proration unit comprising the S/2 of Section 27 (which is located approximately two miles north of Turley, New Mexico. Applicant seeks exceptions to: (i) Rule I.B (2) (b) of the "Special Rules for the Blanco-Mesaverde Pool," as promulgated by Division Order No. R-10987-A, in order to drill and complete this well within the same quarter-quarter section as its E. E. Elliott "B" Well No. 1-A (API No. 30-045-22194), located at a standard infill gas well location 875 feet from the South line and 1450 feet from the East line of Section 27; (ii) Rule I.B (2) (c) of the special Blanco-Mesaverde pool rules in order to drill and complete the proposed E. E. Elliott "B" Well No. 8-M within the same quarter section as the above-described E. E. Elliott "B" Well No. 1-A and E. E. Elliott "B" Well No. 8-E (API No. 30-045-26299), located at a standard infill gas well location 1560 feet from the South line and 1070 feet from the East line (Unit I) of Section 27; and (iii) the well location requirements provided within the "Special Rules and Regulations for the Basin-Dakota Pool," as promulgated by Division Order No. R-10987-B, in order to drill and complete the proposed E. E. Elliott "B" Well No. 8-M within the same quarter section as the above-described E. E. Elliott "B" Well No. 8-E".

Amoco Production Company

April 23, 2001

Page 2

Thank you for your cooperation and understanding, should you have any questions concerning this matter, your legal counsel should be able to assist you.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", with a long horizontal flourish extending to the right.

Michael E. Stogner
Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington
William E. Scott, Legal Counsel for Amoco Production Company - Santa Fe

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals.

070 FARMINGTON, NM

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Pat Archuleta, Room 1205C

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-5217

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1450' FSL 1560FWL

Sec. 27 T 30N R 9W

Unit K

5. Lease Designation and Serial No.

NMSF-078139

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

E.E. Elliott B

8

9. API Well No.

3004509129

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan

New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MIRUSU 12/9/96.

TIH w/tbg set CIBP at 6790', tested csg to 500#. Held okay. Ran CBL from 250'-6780'.

Spot cmt plg on top of CIBP at 6790', w/8sxs CL-B cement to 6690'.

Set cmt plg from 5873'-6100' w/10sxs CI-B cement. Set cmt plg from 4000'-4400' w/30sxs CI-B cement.

Perf'd at 2600', w/2 jsfp, .340 diameter, total 2 shots fired. Squeezed perfs at 2600' w/201sxs CI-B cement, 61sxs inside csg and 140sxs outside csg to 1800'. tag cmt at 1725'.

Perf'd at 1499' w/2 jsfp, .340 inch diameter, total 2 shots fired. Set cmt ret at 1264'. Squeezed perfs w/120sxs CI=B cement. 44sxs inside and 75sxs outside.

Perf'd at 345' w/2 jsfp, .340 inch diameter, total 2 shots fired. Squeezed perfs at 345' w/74sxs CI-B cement, 47 sxs outside and 27sxs inside. Circulate to surface, cutoff wellhead, top off csg., install marker.

RDMOSU 12/12/96.

14. I hereby certify that the foregoing is true and correct

Signed

Pat Archuleta

Title

Staff Assistant

Date

01-22-1997

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

APPROVED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instructions on Reverse Side

TS/Duane W. Spencer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Gail M. Jefferson, Rm 1295C

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-6157

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1450' FSL 1560FWL

Sec. 27 T 30N R 9W

Unit K

7. If Unit or CA, Agreement Designation

8. Well Name and No.

E.E. Elliott B

8

9. API Well No.

3004509129

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan

New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company request permission to plug and abandon the above referenced well per the attached procedures. This request shall serve as Amoco's official response to Steve Mason's inquiry as to whether or not Amoco still planned to return this well to production.

If you have any questions please contact Gail Jefferson at (303) 830-6157/

14. I hereby certify that the foregoing is true and correct

Signed

Gail M. Jefferson

Title

Sr. Admin. Staff Assistant

Date

09-21-1995

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

Date

APPROVED
AS AMENDED

SEP 24 1995

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT MANAGER

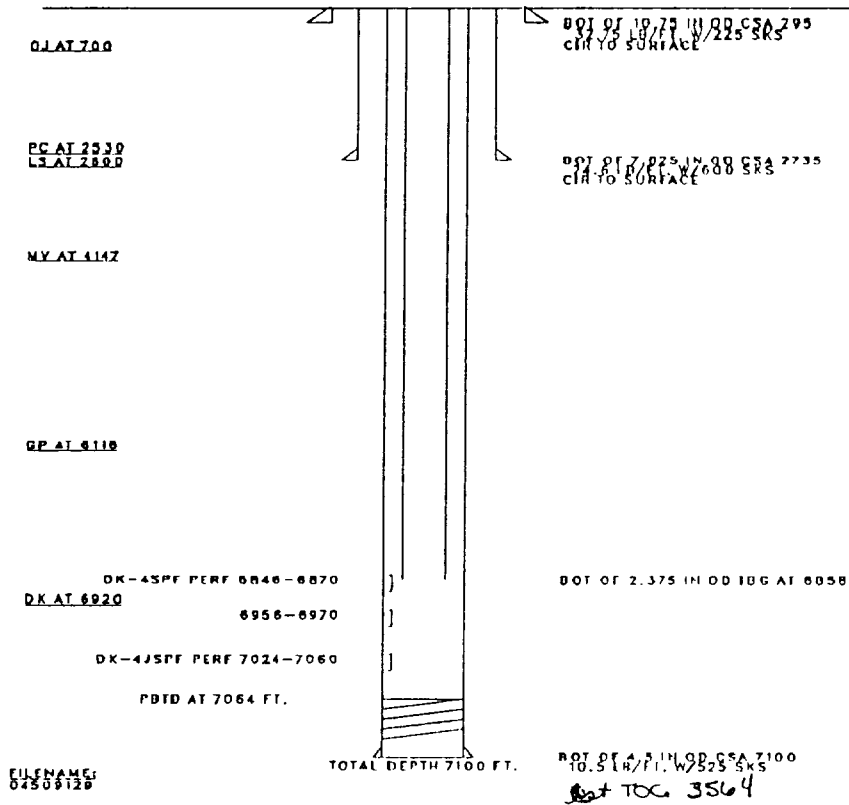
E. E. Elliott B #8
Orig. Comp. 5/65
TD = 7100', PBTD = 7064'
Page 2 of 2

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Blow down well. Kill if necessary with fresh water. NDWH. NUBOP.
3. POOH with 2 3/8" tbg. RIH with tbg and cement retainer. Set retainer at 6900'. Test casing integrity to 500#. Run shot string CBL. Squeeze perfs at 6956' to 7060' with 47 cuft cement. Pull out of retainer and spot cement plug to 5700' with 20 cuft cement.
4. RIH and shoot squeeze holes at TOC. Depending on where TOC is be sure the following formations are covered 100' inside and outside casing:

Mesa Verde at 4147'
Pictured Cliffs at 2535'
Ojo Alamo at 700'
and 275 to surface

5. NDBOP. Cut off casing and wellhead. Install PXA marker according to BLM or State requirements.
6. Contact FMC and ship surface equipment to yard or other location per instructions.
7. Turn over to John Schwartz for reclamation.
8. Rehabilitate location according to BLM or State requirements.

E. E. ELLIOTT II #8
LOCATION - 27 - 30N - 09W
SINGLE DK
ORIG. COMPLETION - 5/65
LAST FILE UPDATE - 9/94 BY CSW



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. NMSF-078139
2. Name of Operator Amoco Production Company		6. If Indian, Allottee or Tribe Name
Attention: Patty Haeefe		7. If Unit or CA, Agreement Designation
3. Address and Telephone No. P.O. Box 800, Denver, Colorado 80201 (303) 830-4988		8. Well Name and No. E.E. Elliott B 8
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1450' FSL 1560FWL Sec. 27 T 30N R 9W Unit K		9. API Well No. 3004509129
		10. Field and Pool, or Exploratory Area Basin Dakota
		11. County or Parish, State San Juan New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company intends to workover the subject well and return to production by 9/1/95. Procedures for the workover will be submitted at a later date. Please reference letter NMSF-077966 et al. (WC) 3162.3-4 (07337).

RECEIVED
JUL - 7 1995
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Patty Haeefe

Title

Staff Assistant

Date

06-23-1995

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

JUL 05 1995

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

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

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

OIL CONSERVATION DIVISION
RECEIVED

'90 AUG 22 AM 10 50

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator ANOCO PRODUCTION COMPANY	Well API No. 300450912900
Address P.O. BOX 800, DENVER, COLORADO 80201	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input checked="" type="checkbox"/>

If change of operator give name
and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name E E ELLIOTT B	Well No. 8	Pool Name, Including Formation BASIN DAKOTA (PRORATED GAS)	Kind of Lease State, Federal or Fee	Lease No.
Location				
Unit Letter K	1450	Feet From The FSL	Line and 1560	Feet From The FWL
Section 27	Township 30N	Range 9W	SAN JUAN County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	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 <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	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, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

RECEIVED
JUL 2 1990

GAS WELL

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

OIL CON. DIV.
DIST. 3

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS

RECEIVED

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

AUG 30 1985

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

Amoco Production Co.

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N.M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any other requirements. See also space 17 below.)
At surface

1450' FSL X 1560' FWL

SEP 16 1985

14. PERMIT NO.

15. ELEVATIONS (Show whether of bottom of hole)

5829' RDB

5. LEASE DESIGNATION AND SERIAL NO.

SF-078139

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

E. E. Elliott B

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., NE/4, SW/4, OR W/4, AND SURVEY OR AREA

NE/SW Sec. 27, T30N, R9W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Moved in and rigged up service unit on 5-13-85. Total depth of the well is 7100' and plugback depth is 7064'. Perforated the following intervals: 7024'-7030', 7060'-7066', 7070'-7080', 7090'-7096', 4 jspf, .50" in diameter, for a total of 112 holes. Fraced interval 7024'-7096' with 53,000 gal 40# crosslinked gel and 30,000# 20-40 sand. Frac screened out. Perforated the following intervals: 7094'-7102', 4 jspf, .50" in diameter, for a total of 32 holes. Fraced interval 7024'-7102' with 113,400 gal 40# crosslinked gel and 115,000 #20-40 sand. Cleaned out sand fill. Landed 2-3/8" tubing at 7484' and released the rig on 6-4-85.

Moved in and rigged up service unit on 6-18-85. Cleaned out sand fill with nitrogen foam. Released the service unit on 6-20-85 and moved in swab unit.

RECEIVED

SEP 05 1985

OIL CON. DIV.

DIST. 3

I hereby certify that the foregoing is true and correct

SIGNED BDS Shaw

TITLE Adm. Supervisor

DATE 8-28-85

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

1985

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side

NMOCC

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
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SANTA FE	
FILE	
U.S.G.A.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PROBATION OFFICE	

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

Form C-104
Revised 10-01-78
Format 08-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
Amoco Production Company

Address
501 Airport Drive Farmington, NM 87401

Reason(s) for filing (Check proper box)
☐ New Well
☐ Recompletion
☐ Change in Ownership
 Change in Transporter of:
☐ Oil
☐ Casinghead Gas
☒ Dry Gas
☒ Condensate
 Other (Please explain):
OIL 20% DRY GAS

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name E. E. Elliott	Well No. 8	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Federal	Lease No. 82078139
Location Unit Letter K : 1560 Feet From The West Line and 1450 Feet From The South Line of Section 27 Township 30N Range 9W , NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Permian Corp.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1702 Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 990 Farmington, NM 87401
If well produces oil or liquids, give location of tanks. Unit K Sec. 27 Twp. 30N Rge. 9W	Is gas actually connected? _____ When _____

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

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
(Signature)

Admin. Supervisor

(Title)

1-2-85

(Date)

OIL CONSERVATION DIVISION
JAN ~ 1985

APPROVED _____, 19____
BY **Charles Gibson**
TITLE **DEPUTY OIL & GAS INSPECTOR, DIST. #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.

OIL CONSERVATION COMMISSION

BOX 697

120 EAST CHACO

AZTEC, NEW MEXICO

FILED
'65 AUG 23 AM

NOTICE OF GAS CONNECTION

DATE August 19, 1965

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

THE Pan American Petroleum Corporation
OPERATOR

E. E. Elliott "B" #8
LEASE

"K"
WELL UNIT

27-30-9
S-T-R

Basin Dakota
POOL

El Paso Natural Gas Company
NAME OF PURCHASER

WAS MADE ON August 5, 1965
DATE

, FIRST DELIVERY August 12, 1965
DATE

Choke 2,212

ACF 2,335

INITIAL POTENTIAL

El Paso Natural Gas Company
PURCHASER

Original Signed By W. M. Rodgers
REPRESENTATIVE

Chief Dispatcher
TITLE

CC: TO OPERATOR Fort Worth and Farmington
OIL CONSERVATION COMMISSION - SANTA FE
F. N. WOODRUFF - EL PASO
B. D. ADAMS

FILE

Aug 22 1965

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U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL / GAS /	
OPERATOR	/	
PRORATION OFFICE	/	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-105
Effective 1-1-65

I. Operator Pan American Petro. Corp.
PAN AMERICAN PETROLEUM CORPORATION
Address P. O. Box 480, Farmington, New Mexico
Reason(s) for filing (Check proper box) Eff. 2-1-71, has changed its name to AMOCO PROD. CO.

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

Other (Please explain)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>E. E. Elliott "B"</u>	Well No. <u>8</u>	Pool Name, Including Formation <u>Basin Dakota</u>	Kind of Lease State, Federal or Fee <u>Federal</u>
Location Unit Letter <u>K</u> ; <u>1560</u> Feet From The <u>West</u> Line and <u>1450</u> Feet From The <u>South</u> Line of Section <u>27</u> , Township <u>30N</u> Range <u>9W</u> , NMPM, <u>San Juan</u> County			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> <u>Plateau, Inc.</u>	Address (Give address to which approved copy of this form is to be sent) <u>P. C. Box 108, Farmington, New Mexico</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <u>El Paso Natural Gas Company</u>	Address (Give address to which approved copy of this form is to be sent) <u>P. C. Box 990, Farmington, New Mexico</u>
If well produces oil or liquids, give location of tanks. <u>K 27 30N 9W</u>	Is gas actually connected? <u>No</u> 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.
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Date Spudded <u>4-11-65</u>	Date Compl. Ready to Prod. <u>5-18-65</u>	Total Depth <u>7100</u>	P.B.T.D. <u>7064</u>					
Pool <u>basin Dakota</u>	Name of Producing Formation <u>Dakota</u>	Top Oil/Gas Pay <u>6843</u>	Tubing Depth <u>6858</u>					
Perforations <u>6956-70 with 4 shots per foot</u> <u>6846-70 with 2 shots per foot</u>						Depth Casing Shoe <u>7100</u>		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<u>13-3/4"</u>	<u>10-3/4"</u>		<u>295'</u>		<u>225 Sacks</u>			
<u>9-7/8"</u>	<u>7-5/8"</u>		<u>2735'</u>		<u>600 Sacks</u>			
<u>6-3/4"</u>	<u>4-1/2"</u>		<u>7100'</u>		<u>525 Sacks</u>			
	<u>2-3/8"</u>		<u>6858'</u>					

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 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

GAS WELL

Actual Prod. Test-MCF/D <u>1500</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MMCF <u>---</u>	Gravity of Condensate <u>---</u>
Testing Method (pitot, back pr.) <u>Back Pressure</u>	Tubing Pressure <u>125</u>	Casing Pressure <u>475</u>	Choke Size <u>3/4"</u>

VI. CERTIFICATE OF COMPLIANCE

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

[Signature]
(Signature)

Administrative Clerk

(Title)

May 24, 1965

(Date)

OIL CONSERVATION COMMISSION

APPROVED MAY 27 1965

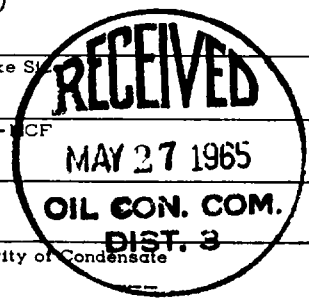
BY [Signature]
TITLE Supervisor Dist. # 3

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



TABULATION OF DEVIATION TESTS
PAN AMERICAN PETROLEUM CORPORATION

E. E. ELLIOTT "B" NO. 8

<u>DEPTH</u>	<u>DEVIATION</u>
295'	1/4°
724	1/4
1120	1
1432	1/4
1830	1/4
2257	1/2
3140	1
3542	1
3935	3/4
4340	1
4739	1
5148	1
5454	2
5854	3-1/4
6287	2-1/4
6683	3
7100	2-3/4

A F F I D A V I T

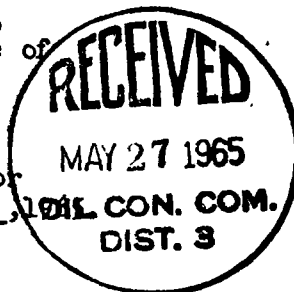
THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation test taken on PAN AMERICAN PETROLEUM CORPORATION'S E. E. Elliott "B" No. 8, Basin Dakota Field, located in the NE/4 SW/4 of Section 27, T-30-N, R-9-W, San Juan County, New Mexico.

Signed Fred L. Nabors
District Petroleum Engineer

THE STATE OF NEW MEXICO)
) SS.
COUNTY OF SAN JUAN)

BEFORE ME, the undersigned authority, on this day personally appeared Fred L. Nabors known to me to be ~~Petroleum~~ District Engineer for Pan American Petroleum Corporation and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 25th day of May, 1965.



S. K. Wiet
Notary Public

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF-078139

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

E. E. Elliott "B"

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NE/4, SW/4 Section 27

T-30-N, R-9-W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

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—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 1560 FWL and 1450 FSL

14. PERMIT NO.

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

5829 (RDB)

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

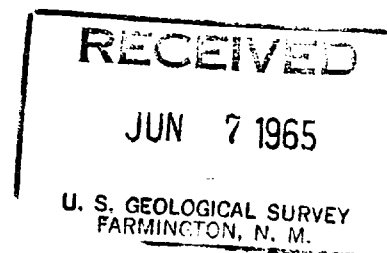
Report of Potential Test

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is to report the following Potential Test:

Potential Test May 26, 1965. Flowed 2212 MCPPD thru 3/4" choke after 3 hours flow. Absolute Open Flow Potential 2335 MCPPD. Shut-in casing pressure after 8 days was 1930 psig.



18. I hereby certify that the foregoing is true and correct

SIGNED

ORIGINAL SIGNED BY

TITLE

Administrative Clerk

DATE

June 3, 1965

(This space for Federal or State Office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION							
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1450 FSL and 1560 FWL At top prod. interval reported below At total depth Same							
14. PERMIT NO.						DATE ISSUED JUN 1 1965	
15. DATE SPUDDED 4-11-65						18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5829 (RDB)	
16. DATE T.D. REACHED 4-20-65		17. DATE COMPL. (Ready to prod.) 5-18-65		19. ELEV. CASINGHEAD ---			
20. TOTAL DEPTH, MD & TVD 7100		21. PLUG, BACK T.D., MD & TVD 7064		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0-7100	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Graneros Dakota Main Dakota 6843-6952 6952-6972						25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray-Density Log w/Caliper						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
10-3/4"		32.75#		295'		13-3/4"	
7-5/8"		24.6#		2735'		9-7/8"	
4-1/2"		10.5#		7100'		6-3/4"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8"		6858'					
31. PERFORATION RECORD (Interval, size and number)							
6956-70 with 4 shots per foot							
6846-6870 with 2 shots per foot							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
6956-6970				33,000 gallons water and 30,000 pounds sand			
6846-6870				38,640 gallons water and 30,000 pounds sand			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flow				Shut In	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
5-18-65		3		3/4"		Flow	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
125		475		1500		GAS—MCF.	
						WATER—BBL.	
						OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
To be sold to El Paso Natural Gas Company							
35. LIST OF ATTACHMENTS							
None							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
Fred L. Nabors, District Engineer							
SIGNED <u>Fred L. Nabors</u> TITLE <u>District Engineer</u>							

(See Instructions and Spaces for Additional Data on Reverse Side)

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.
DATE **MAY 28 1965**

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS		
FORMATION	TOP	DESCRIPTION, CONTENTS, ETC.	NAME	
			MEAS. DEPTH	
			TRUE VERT. DEPTH	
Surface sand and Shale	0			
Pictured Cliffs	2530			
Lewda Shale	2600			
Mesaverde	4147			
Marros	4892			
Callup	6116			
Base Callup	6448			
Greenhorn	6760			
Graneros Shale	6822			
Graneros Dakota	6843			
Main Dakota	6952			
	7100			

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF-078139

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

E. E. Elliott "B"

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREANE/4 SW/4 Section 27,
T-30-N, R-9-W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

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—" for such proposals.)

1.

OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 1450 FSL and 1560 FWL

14. PERMIT NO.

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

5829 (RDB)

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Well History ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

The above well was spudded 4-11-65 and drilled to a depth of 295'. 10-3/4" casing was set at that depth with 225 sacks cement containing 2% calcium chloride. After waiting on cement tested casing with 600 psi. Test OK. Reduced hole to 9-7/8" and resumed drilling. Well was drilled to 2735 and 7-5/8" casing was set at 2735' with 450 sacks cement containing 6% gel and 2 pounds medium Tuf Plug per sack and 150 sacks neat cement containing 2% calcium chloride. Cement circulated to surface. After waiting on cement tested casing with 1800 psi. Test OK. Reduced hole to 6-3/4" and resumed drilling. Well was drilled to a total depth of 7100' and 4-1/2" casing was set at that depth with stage tool at 5062'. Cement first stage with 150 sacks cement containing 6% gel and 2 pounds Tuf Plug per sack followed by 100 sacks neat cement. Cemented second stage with 50 sacks neat cement followed by 200 sacks cement, 50:50 pozmix and 25 sacks neat cement. Tested 4-1/2" casing with 3500 psi. Test OK.

Perforated Main Dakota 6956-70 with 4 shots per foot. Fracked these perforations with 33,000 gallons water containing .8% potassium chloride and 2-1/2 pounds J-100 per 1000 gallons water and 20,000 pounds 20-40 sand and 10,000 pounds 10-20 sand. Breakdown pressure 1200, average treating pressure 2700, average injection rate 51 BPM. Bridge plug set at 6930 and tested with 3500 psi. Test OK. Perforated Granseros 6846-6870 with 2 shots per foot. Fractured these perforations with 38,640 gallons water containing .8% potassium chloride and 2-1/2 pounds J-100 per 1000 gallons water and 20,000 pounds 20-40 sand and 10,000 pounds 10-20 sand. Breakdown pressure 3500, average treating 3450, average injection rate 42 BPM. Drilled bridge plug at 6930. 2-3/8" tubing landed at 6858' and well completed 5-18-65 as Shut In Gas Well Basin Dakota Field. Preliminary Test 1500 MCFD.

18. I hereby certify that the foregoing is true and correct ORIGINAL SIGNED BY Fred L. Nabors, District Engineer

SIGNED

Fred L. Nabors

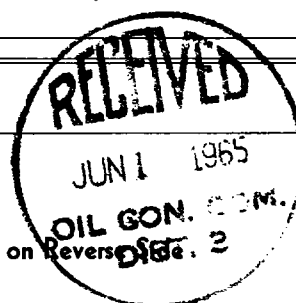
TITLE

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE



DATE May 25, 1965

DATE MAY 28 1965

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

*See Instructions on Reverse

ILLEGIBLEWell Location and Acreage Dedication Plat

Section A.

Date April 6, 1965

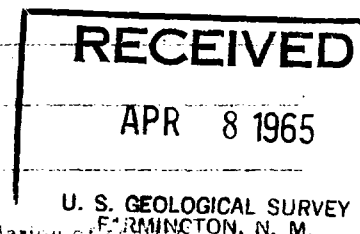
Operator PAN AMERICAN PETROLEUM CORPORATION Lease E. E. ELLIOTT "B" 2
 Well No. 8 Unit Letter K Section 27 Township 30 North Range 9 WEST NMPM
 Located 1450 Feet From SOUTH Line, 1560 Feet From WEST Line
 County San Juan G. L. Elevation Report Later Dedicated Acreage 320 Acres
 Name of Producing Formation Dakota Pool Basin Dakota

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?

Yes X No

2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization, agreement or otherwise? Yes No If answer is "yes", Type of Consolidation.

3. If the answer to question two is "no", list all the owners and their respective interests below:

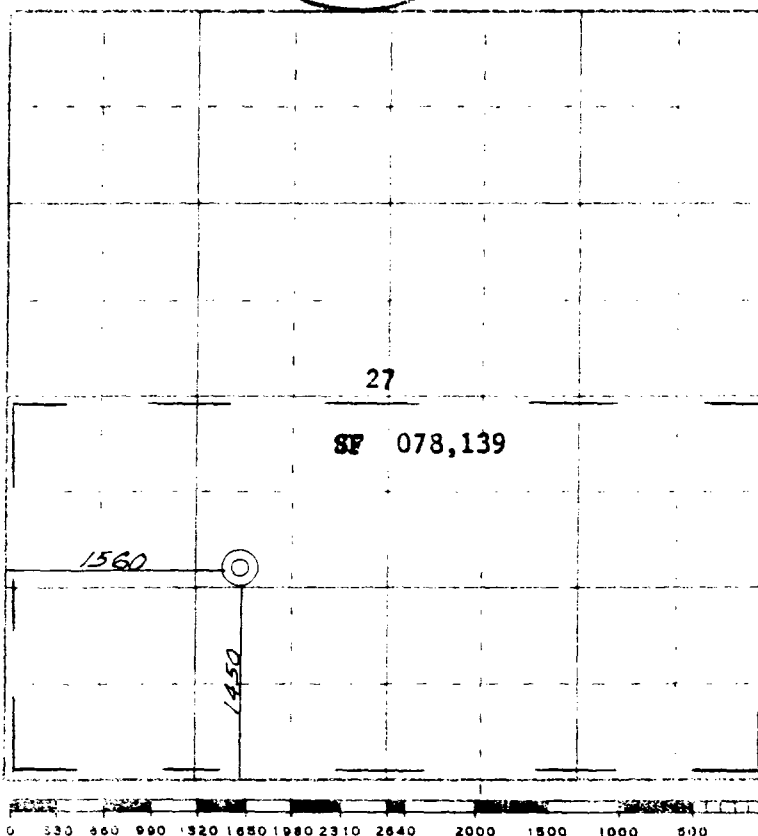
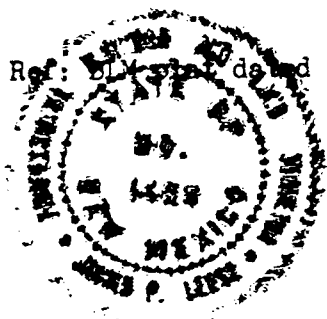
OwnerDescription

Section B.

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

PAN AMERICAN PETROLEUM CORP.F. H. Hollingsworth (Operator)P. O. Box 480
(Representative)Farmington, New Mexico
(Address)

Note: All distances must be from outer boundaries of section.

Ref: July 2, 1952

This is to certify that the above plat was prepared from field notes of actual surveys
 made by me or under my supervision and that the same are true and correct to the best
 of my knowledge and belief.

Date Surveyed March 25, 1965

James P. Leese
 Registered Professional Engineer and Geologist
 James P. Leese, N. Mex. Reg. No. 1463
 San Juan Engineering Company.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 37-078139		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____		
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		7. UNIT AGREEMENT NAME _____		
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico		8. FARM OR LEASE NAME E. E. Elliott "B"		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1450 FSL and 1560 FWL At proposed prod. zone _____		9. WELL NO. 8		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7 Miles northeast of Blanco, New Mexico		10. FIELD AND POOL, OR WILDCAT Basin Dakota		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1450 (1190)	16. NO. OF ACRES IN LEASE 1640	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE 1/4 SW 1/4 Section 27 T-30-N, R-9-W		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 200	19. PROPOSED DEPTH 7000'	12. COUNTY OR PARISH San Juan		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Will Report Later.		13. STATE New Mexico		
22. APPROX. DATE WORK WILL START* April 8, 1965				
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4"	48#	300	300 Sacks
9-7/8"	7-5/8"	24#	2650	600 Sacks
6-3/4"	4-1/2"	10.5#	7000	450 Sacks (Stage Collar set 100' Below Mesaverde.)

Copies of location plat are attached.

Copies of any logs run will be furnished upon completion of well.

RECEIVED

APR 8 1965

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. ORIGINAL SIGNED BY **Fred L. Nabors, District Engineer** DATE **April 6, 1965**
SIGNED **F. H. HOLLINGSWORTH** TITLE _____

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY **44** TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other			5. Lease Serial No. SF - 078139
2. Name of Operator AMOCO PRODUCTION COMPANY			6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 3092 HOUSTON, TX 77253			7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 281.366.4441 Fx: 281.366.0700			8. Well Name and No. E. E. ELLIOTT B 8M
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T30N R9W Mer SWSE (770FSL 2420FEL) 36.46600 N Lat, 107.46000 W Lon		9. API Well No. 30-045-30608	10. Field and Pool, or Exploratory BASIN DAKOTA/BLANCO MESAVER
			11. County or Parish, and State SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> APDCH
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Application for Permit to Drill for the subject well was submitted on 03/21/2001. Sundry Notice of Location change was submitted on 06/06/2001. Application was approved on 06/13/2001. Amoco Production Company respectfully submits for your approval amendments to our drilling and completion Program as per the attached two (2) documents. The major change is in the casing and cementing program.

The subject well also requires NMOCD approval for a Non-Standard drilling location for the Basin Dakota completion. A request for an exception to the Non-Standard well location was submitted 06/18/2001, to the NMOCD under a separate application.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #5066 verified by the BLM Well Information System For AMOCO PRODUCTION COMPANY, sent to the Farmington Committed to AFMSS for processing by Maurice Johnson on 06/19/2001 ()	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature	Date 06/18/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title /	Date 6/3/01
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ******HOLD C104 FOR NSE**

**AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: E.E. Elliott B
Lease: E.E. ELLIOTT B
County: San Juan
State: New Mexico
Date: June 18, 2001

Well No: 8M
Surface Location: 27-30N-9W, 730 FSL, 2415 FEL
Field: Blanco Mesaverde/Basin Dakota

OBJECTIVE: Drill 450' below the base of the Greenhorn Limestone, set 4 1/2" production casing, Stimulate LS, CH, MF, PL and DK intervals

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 5836		Estimated KB: 5850	
Rotary	0 - TD	MARKER		SUBSEA	MEAS. DEPTH
LOG PROGRAM		Ojo Alamo		4529	1321
TYPE	DEPTH INVERAL	Fruitland Coal	*	3851	1999
<u>OPEN HOLE</u>		Pictured Cliffs	*	3299	2551
GR-Induction	TD to 7" shoe	Lewis Shale	#	3171	2679
Density/Neutron	TD to 7" shoe	Cliff House	#	1686	4164
		Menefee Shale	#	1516	4334
<u>CASED HOLE</u>		Point Lookout	#	1101	4749
GR-CCL-TDT	TDT - TD to 7" shoe	Mancos		940	4910
CBL	Identify 4 1/2" cement top	Greenhorn		-936	6786
REMARKS: - Please report any flares (magnitude & duration).		Bentonite Marker		-990	6840
		Two Wells	#	-1031	6881
		Dakota MB	#	-1180	7030
		Burro Canyon	*	-1327	7177
		Morrison	*	-1377	7227
		TOTAL DEPTH		-1377	7227
		# Probable completion interval * Possible Pay			
		DRILL CUTTING SAMPLES		DRILLING TIME	
		FREQUENCY	DEPTH	FREQUENCY	DEPTH
		10 feet	Production hole	Geolograph	0-TD
SPECIAL TESTS					
TYPE					
None					
REMARKS:					

MUD PROGRAM:

Approx. Interval	Type Mud	Weight, #/ga	Vis, sec/qt	W/L cc's/30 min	Other Specification
0 - 120-135 3 jts.	Spud	8.6-9.2			
120-135 - 2779 (1)	Water/LSND	8.6-9.2		<6	
2779 - 7177	Gas/Air/N2/Mist	Volume sufficient to maintain a stable and clean wellbore			
7177 7227 (2)	LSND	9.0-9.2		<6	

REMARKS:

- (1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.
(2) Mud up 50' above Morrison +/-.

CASING PROGRAM: (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)

Casing String	Estimated Depth	Casing Size	Grade	Weight	Hole Size	Landing Pt, Cmt, Etc.
Surface/Conductor	120-135	9 5/8"	H-40 ST&C	32#	12.25"	1
Intermediate 1	2779	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	7227	4 1/2"	J-55	11.6#	6.25"	3

REMARKS:

- (1) Circulate Cement to Surface
(2) Set casing 100' into Lewis Shale
(3) Bring cement 100' above 7" shoe

CORING PROGRAM:

None

COMPLETION PROGRAM:

Rigless, 4-6 Stage Limited Entry Hydraulic Frac

GENERAL REMARKS:

Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.

Form 46 Reviewed by:

Logging program reviewed by:

N/A

PREPARED BY:

APPROVED:

DATE:

June 11, 2001

Version 1.0

HGJ/MNP

BOP Test Pressure

Amoco Production Company BOP Pressure Testing Requirements

Well Name: E.E. Elliott B
County: San Juan

8M
State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1321		
Fruitland Coal	1999		
PC	2551		
Lewis Shale	2679		
Cliff House	4164	500	0
Menefee Shale	4334		
Point Lookout	4749	600	0
Mancos	4910		
Dakota	6881	2600	1520

** Note: Determined using the following formula: $ABHP - (.22 \times TVD) = ASP$

Requested BOP Pressure Test Exception: 3000 psi

Cementing Program

Well Name: E E Elliot B8M
 Location: 27-30N-9W, 730 FSL, 2415 FEL
 County: San Juan
 State: New Mexico

Field: Blanco Mesaverde / Basin Dakota
 API No.
 Well Flac
 Formation: Dakota Mesa Verde
 KB Elev (est) 5850
 GL Elev. (est) 5836

Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Thread	TOC (ft.)	Stage Tool Or TOL (ft.)	Cmt Cir. Out (bbl.)
Surface	135	12.25	9.625	ST&C	Surface	NA	
Intermediate	2770	8.75	7	LT&C	Surface	NA	
Production -	7227	6.25	4.5	?	2670	NA	

Casing Properties:

(No Safety Factor Included)								
Casing String	Size (in.)	Weight (lb/ft)	Grade	Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs.)	Capacity (bbl/ft.)	Drift (in.)
Surface	9.625	32	H-40	3370	1400	254	0.0787	8.845
Intermediate	7	20	K-55	3740	2270	234	0.0405	6.456
Production -	4.5	11.6	J-55	5350	4960	154	0.0155	3.875

Mud Program

Apx. Interval (ft.)	Mud Type	Mud Weight	<u>Recommended Mud Properties Prio Cementing:</u>	
			PV	<20
			YP	<10
			Fluid Loss	<15
0 - SCP	Water/Spud	8.6-9.2		
SCP - ICP	Water/LSND	8.6-9.2		
ICP - ICP2	Gas/Air Mist	NA		
ICP2 - TD	LSND	8.6 - 9.2		

Cementing Program:

	Surface	Intermediate	Production
Excess %, Bit	100%	80	10
Excess %, Caliper	NA	NA	30
BHST (est deg. F)	60	120	160
Pipe Movement	NA	Rotate/Reciprocate	Rotate/Reciprocate
Rate, Max (bpm)	7	4	2
Rate Recommended (bpm)	6	4	2
Pressure, Max (psi)	200	2000	2000
Shoe Joint	40	80	40
Batch Mix	NA	NA	NA
Circulating prior cmtng (hr)	0.5	1.5	2
Time Between Stages, (hr)	NA	NA	NA
Special Instructions	1,6,7	1,6,8	2,4,6

1. Do not wash pumps and lines.
2. Wash pumps and lines.
3. Reverse out
4. Run Blend Test on Cement
5. Record Rate, Pressure, and Density on 3.5" disk
6. Confirm densitometer with pressurized mud scales
7. 1" cement to surface if cement is not circulated.
8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing plug.

Notes:

*Do not wash up on top of plug. Wash lines before displacing production cement job to minimize drillout.
 *** Run TMD cased hole logs to identify pay; Perforating and CH logs can be run rigless.

Surface:

Preflush 20 bbl. FreshWater

Cementing Program

Slurry 1 TOC@Surface		73 sx Class G Cement + 2% CaCl2 (accelerator) 0.25 #/sk Cellophane Flake (lost circulation additive) 0.1% D46 antifoam		85 cuft 0.3132 cuft/ft OH 100 % excess
Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)	
Slurry 1	15.8	1.16	4.95	
Casing Equipment:	9-5/8", 8R, ST&C 1 Guide Shoe 1 Top Wooden Plug 1 Autofill insert float valve 4 Centralizers 1 Stop Ring 1 Thread Lock Compound			
<hr/>				
Intermediate:				
Fresh Water	20 bbl	fresh water		
Lead Slurry 1 TOC@Surface		207 sx Class "G" Cement + 3% D79 extender + 2% S1 Calcium Chloride + 1/4 #/sk. Cellophane Flake + 0.1% D46 antifoam'	601 cuft	
Tail Slurry 2		107 sx 50/50 Class "G"/Poz + 2% gel (extender) 0.1% D46 antifoam + 1/4 #/sk. Cellophane Flake + 2% CaCl2 (accelerator)	135 cuft	
	500 ft fill		0.1503 cuft/ft OH 0.1746 cuft/ft csg ann 80 % excess	
Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)	
Slurry 1	11.4	2.9	17.77	
Slurry 2	13.5	1.27	5.72	
Casing Equipment:	7", 8R, ST&C 1 Float Shoe (autofill with minimal LCM in mud) 1 Float Collar (autofill with minimal LCM in mud) 1 Stop Ring 10 Centralizers (one in middle of first joint, then every third collar) 2 Fluidmaster vane centralizers @ base of Ojo 7 Centalizers one every 4th joint from Ojo to base of surface casing 1 Top Rubber Plug 1 Thread Lock Compound			
<hr/>				
Production:				
Fresh Water	10 bbl	CW100		
Lead Slurry 1 TOC@Surface		139 LiteCrete D961 / D124 / D154 + 0.03 gps D47 antifoam + 0.5% D112 fluid loss	297 cuft	

Cementing Program

+ 0.11% D65 TIC

Tail
Slurry 2

1822 ft fill

143 sx 50/50 Class "G"/Poz
+ 5% D20 gel (extender)
+ 0.1% D46 antifoam
+ 1/4 #/sk. Cellophane Flake
+ 0.25% D167 Fluid Loss

206 cuft
+ 5 #/sk D24 gilsonite
+ 0.15% D65 TIC
+ 0.1% D800 retarder

Slurry Properties:

Density
(lb/gal)

Yield
(ft³/sk)

Water
(gal/sk)

0.1026 cuft/ft OH
10 % excess
0.1169 cuft/ft csg ann

Slurry 1

9.5

2.14

6.38

Slurry 2

13

1.44

6.5

Top of Mancos
4905

Casing Equipment:

4-1/2", 8R, ST&C

1 Float Shoe (autofill with minimal LCM in mud)
1 Float Collar (autofill with minimal LCM in mud)
1 Stop Ring
39 Centralizers (every third joint)

1 Top Rubber Plug
1 Thread Lock Compound

Note:

1. The job should be pumped at 2-3 bpm max rate. Do not exceed 3 bpm on displacement
2. Wash pump and lines before displacement. Slow to 1 bpm for the last 30 bbl of displacement.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> - DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF - 078139
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY P.O. BOX 3092 HOUSTON, TX 77079		7. UNIT AGREEMENT NAME
3. ADDRESS AND TELEPHONE NO. MARY CORLEY AUTHORIZED REPRESENTATIVE PHONE 281.366.4491 EXT: FAX: 281.366.0700 EMAIL: corleyml@bp.com		8. FARM OR LEASE NAME, WELL NO. E. E. ELLIOTT B 8M
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface 770FSL AND 2420FEL SWSE SEC 27 T30N R9W At proposed prod. zone		9. API WELL NO. 30-045-3060
14. DISTANCE IN MILES AND DIRECTION FROM THE NEAREST TOWN OR POST OFFICE 14 MILES FROM AZTEC, NM		10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA/BLANCO MESAVERDE
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)	16. NO. ACRES IN LEASE 320.00	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA N SECTION 27 T30N R9W MERIDIAN NMP
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE FT.	19. PROPOSED DEPTH 7245 MD / TVD --	12. COUNTY OR PARISH SAN JUAN
21. ELEVATIONS (Show whether DF, RT, GR, etc.) -5040 GL 5836'		13. STATE NM
22. APPROX. DATE WORK WILL START* 04/30/2001		

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Notice of Staking Submitted 02/26/2001. Amoco Production Company respectfully request permission to drill the subject well to a total depth of approximately 7245', complete in the Basin Dakota Pool, produce the well for approximately 30 days to establish production rate, add the Blanco Mesaverde Pool and commingle production downhole. Application for downhole commingling authority (NMOCD order R-11363) will be submitted to all appropriate parties for approval after production has been established in the Basin Dakota Pool and prior to completion of and downhole commingling with the Blanco Mesaverde. In support of our application for permit to drill we have attached 8 documents (1 .doc and 7 .pdf files).

This document is being submitted for procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

DRILLING AND CEMENTING OPERATIONS ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. ELECTRONIC SUBMISSION #3126 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR AMOCO PRODUCTION COMPANY SENT TO THE FARMINGTON FIELD OFFICE		
SIGNED MARY CORLEY	TITLE AUTHORIZED REPRESENTATIVE	DATE 03/21/2001

PERMIT NO. _____ APPROVAL DATE 6/13/01

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

HOLD C104 FOR NSL for Basin Dakota

APPROVED BY _____ TITLE _____ DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0133
Expires: March 31, 1993

5. Lease Designation and Serial No.

SF-078139

6. If Indian, Allotment or Tribe Name

NA

7. If Utah or CA, Agreement Designation

EE Elliott

8. Well Name and No.

EE Elliott B #8M

9. API Well No.

10. Field and Pool, or Exploratory Area

San Juan Basin

11. County or Parish, State

San Juan County, NM

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BP Amoco Production Company

3. Address and Telephone No.

200 Amoco Court, Farmington, NM 87401 5-5-326-9200

4. Location of Well (Forage, Sec., T., R., M., or Survey Description)

730' FSL, 2415' FWL, Sec 27, T30N, R9W

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☒ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report needs of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was staked in a 1/4 section with an existing Dakota Well.

The well site is now staked in a 1/4 section that does not have a Dakota Well.

Request to move the EE Elliott B #8M Well site from 77' FSL & 2420' FEL to 730' FSL & 2415' FWL, Section 27, T30N, R9W.



14. I hereby certify that the foregoing is true and correct

Signed

Title

CONTRACT AGENT

Date

6-6-2001

(This space for Federal or State office use)

/s/ V.R. Balderez

Approved by

Title

Date

JUN 13 2001

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representation or to any matter within its jurisdiction.

*See instruction on Reverse Side

NMOCD

District I
PO Box 1980, Hc: NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-30608		² Pool Code 71599		³ Pool Name Basin DAKOTA	
⁴ Property Code 000470		⁵ Property Name E. E. Elliott B			⁶ Well Number # 8M
⁷ OGRID No. 000778		⁸ Operator Name AMOCO PRODUCTION COMPANY			⁹ Elevation 5836

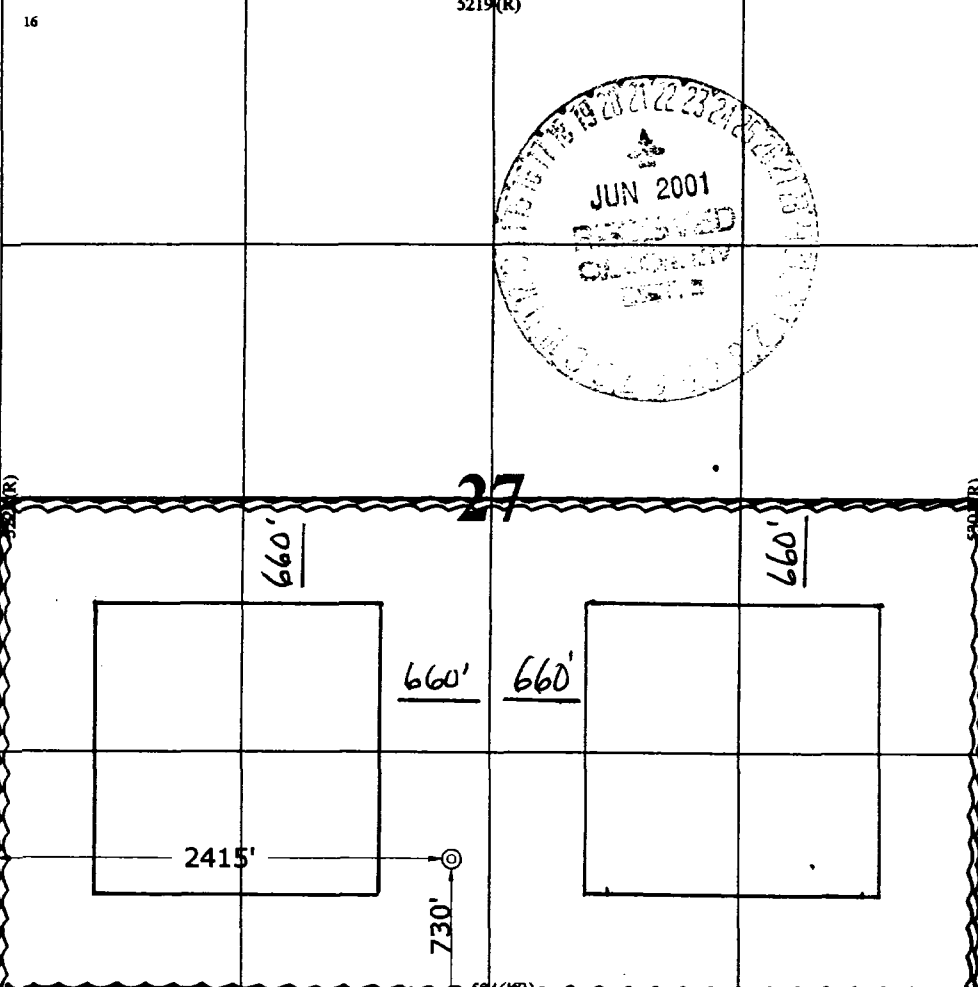
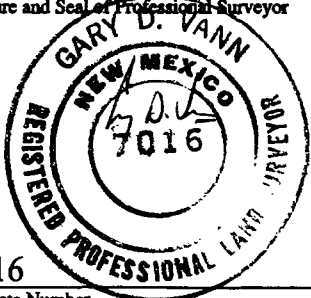
¹⁰ Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	27	30 N	9 W		730	SOUTH	2415	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

¹² UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹³ Dedicated Acres 320		¹⁴ Joint or Infill		¹⁵ Consolidation Code		¹⁶ Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div><p>16</p><p>3219(R)</p><p>660'</p><p>660'</p><p>2415'</p><p>730'</p></div>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature <i>Mary Corley</i></p> <p>Printed Name <i>MARY CORLEY</i></p> <p>Title <i>Sr. Regulatory Analyst</i></p> <p>Date <i>6-18-2001</i></p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>May 4, 2001</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor <i>GARY D. VANN</i></p> <p></p> <p>7016</p> <p>Certificate Number</p>

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-30608	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 000470	⁵ Property Name E. E. Elliott B	
		⁶ Well Number # 8M
⁷ OGRID No. 000778	⁸ Operator Name AMOCO PRODUCTION COMPANY	
		⁹ Elevation 5836

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
N	27	30 N	9 W		730	SOUTH	2415	WEST	SAN JUAN

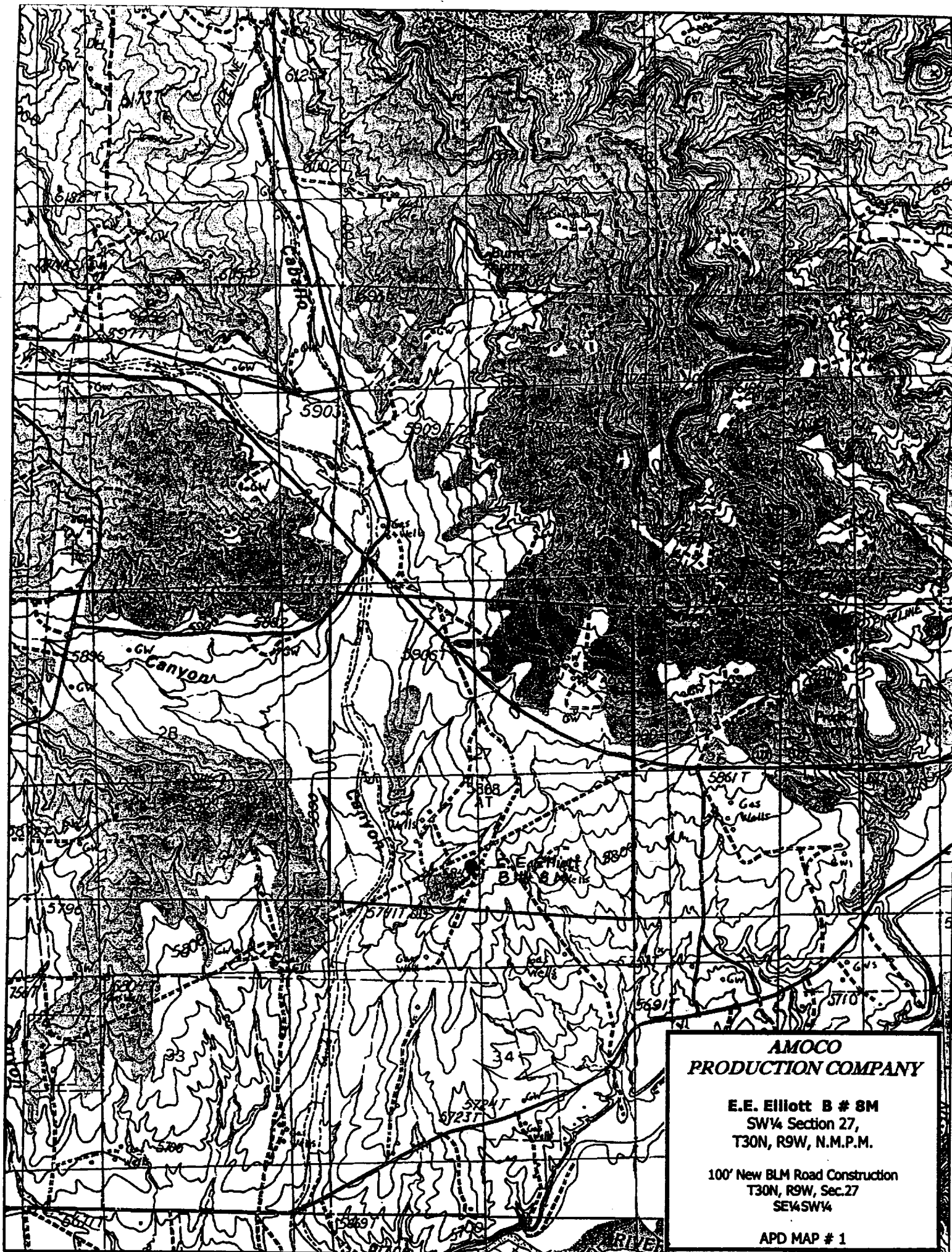
¹¹ Bottom Hole Location If Different From Surface

¹ UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320.	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature: <i>Mary Corley</i></p> <p>Printed Name: <i>Mary Corley</i></p> <p>Title: <i>Regulatory Analyst</i></p> <p>Date: <i>06-18-2001</i></p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>Date of Survey: <i>May 4, 2001</i></p> <p>Signature and Seal of Professional Surveyor: <i>GARY D. VANN</i></p> <p>7016 Certificate Number</p>



**AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: E.E. Elliott B
Lease: E.E. ELLIOTT B
County: San Juan
State: New Mexico
Date: March 21, 2001

Well No: 8M
Surface Location: 27-30N-9W, 770 FSL, 2420 FEL
Field: Blanco Mesaverde/Basin Dakota

OBJECTIVE: Drill 400' below the base of the Greenhorn Limestone, set 4" Liner across Dakota, Stimulate LS, CH, MF, PL and DK intervals

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 5840		Estimated KB: 5854	
Rotary	0 - TD	MARKER		SUBSEA	MEAS. DEPTH
LOG PROGRAM		Ojo Alamo		4488	1366
TYPE	DEPTH INVERAL	Fruitland Coal	*	3843	2011
<u>OPEN HOLE</u>		Pictured Cliffs	*	3298	2556
GR-Induction	TD to 5 1/2" shoe	Lewis Shale	#	3253	2601
Density/Neutron	TD to 5 1/2" shoe	Cliff House	#	1684	4170
Sonic	TD to 5 1/2" shoe	Menefee Shale	#	1505	4349
<u>CASED HOLE</u>		Point Lookout	#	1073	4782
GR-CCL-TDT	TDT - PBTD-7 5/8" shoe	Mancos		922	4933
	GR-CCL - PBTD-0'	Greenhorn		-940	6794
CBL	Top of 4" - 50' above 7 5/8 "shoe	Bentonite Marker		-991	6845
REMARKS:		Two Wells	#	-1032	6886
- Please report any flares (magnitude & duration).		Dakota MB	#	-1182	7036
		Burro Canyon	*	-1292	7146
		Morrison	*	-1342	7196
		TOTAL DEPTH		-1391	7245
		# Probable completion interval		* Possible Pay	
SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		10 feet	Production hole	Geolograph	0-TD
REMARKS:					

MUD PROGRAM:								
Approx. Interval				Type Mud	Weight, #/gal	Vis, sec/qt	W/L cc's/30 min	Other Specification
0	-	120-135	3 jts.	Spud	8.6-9.2			
120-135	-	1961	(1)(2)	Water/LSND	8.6-9.2			
1961	-	6845		Gas/Air/Mist	Volume sufficient to maintain a stable and clean wellbore			
6845		7245		LSND	8.6-9.2			

REMARKS:

- (1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.
(2) Top set Fruitland Coal to minimize lost circulation, air volume to maintain hole stability.

CASING PROGRAM: (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)

Casing String	Estimated Depth	Casing Size	Grade	Weight	Hole Size	Landing Pt, Cmt, Etc.
Surface/Conductor	120-135	10 3/4"	J-55 ST&C	40.5#	14.75"	1 —
Intermediate 1	1961	7 5/8"	K-55 LT&C	26.4#	9.875"	1,2
Intermediate 2	6845	5 1/2"	K-55 LT&C	15.5#	6.75"	4
Production (liner)	7245	4"	K-55 H 511	11#	4.75"	3

REMARKS:

- (1) Circulate Cement to Surface
(2) Set casing 50' above Fruitland Coal
(3) Liner Lap should be a minimum of 100'
(4) Bring cement 200' above 7 5/8" shoe

CORING PROGRAM:

None

COMPLETION PROGRAM:

Rigless, 4-6 Stage Limited Entry Hydraulic Frac

GENERAL REMARKS:

Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.

Form 46 Reviewed by:

Logging program reviewed by: N/A

PREPARED BY:	APPROVED:	DATE:	
KAS/KAT		March 2, 2001	
Form 46 12-00 KAT		Version 1.0	

Cementing Program: E. E. Elliott B 8M

	Surface	Intermediate	I2	Liner
Excess %, Bit	100%	80	50	10
Excess %, Caliper	NA	NA	NA	30
BHST (est deg. F)	60	120	150	160
Pipe Movement	NA	Rotate/Reciprocate	Rotate/Reciprocate	as per Liner Co.
Rate, Max (bpm)	7	4	4	2
Rate Recommended (bpm)	6	4	3	2
Pressure, Max (psi)	200	2000	2000	2000
Shoe Joint	40	80	80	40
Batch Mix	NA	NA	NA	NA
Circulating prior cmtng (hr)	0.5	1.5	2.5	2
Time Between Stages, (hr)	NA	NA	NA	NA
Special Instructions	1,6,7	1,6,8	1,6,9	2,3,4,6

1. Do not wash pumps and lines.
2. Wash pumps and lines.
3. Reverse out
4. Run Blend Test on Cement
5. Record Rate, Pressure, and Density on 3.5" disk
6. Confirm densitometer with pressurized mud scales
7. 1" cement to surface if cement is not circulated.
8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing plug.

Notes:

- *Do not wash up on top of plug. Wash lines before displacing liner cement job to minimize drillout.
- ** After cement set time the liner top will be drilled out and liner circulated clean with treated water.
- *** Run TMD cased hole logs to identify pay; Perforating and CH logs can be run rigless.

Surface:

Preflush	20 bbl.	FreshWater	
Slurry 1	120sx Class G Cement		139cuft
TOC@Surface	+ 2% CaCl ₂ (accelerator)		
	0.25 #/sk Cellophane Flake (lost circulation additive)		0.5563cuft/ft OH
	0.1% D46 antifoam		100 % excess
Slurry Properties:	Density	Yield	Water
	(lb/gal)	(ft ³ /sk)	(gal/sk)
Slurry 1	15.8	1.16	4.95
Casing Equipment:	10-3/4", 8R, ST&C		
	1 Guide Shoe		
	1 Top Wooden Plug		
	1 Autofill insert float valve		
	4 Centralizers		
	1 Stop Ring		
	1 Thread Lock Compound		

Cementing Program: E. E. Elliott B 8M

Intermediate:				
Fresh Water	20 bbl	fresh water		
Lead		188sx Class "G" Cement	546 cuft	
Slurry 1		+ 3% D79 extender		
TOC@Surface		+ 2% S1 Calcium Chloride		
		+1/4 #/sk. Cellophane Flake		
		+ 0.1% D46 antifoam'		
Tail		152sx 50/50 Class "G"/Poz	193cuft	
Slurry 2		+ 2% gel (extender)		
	500ft fill	0.1% D46 antifoam	0.2148 cuft/ft OH	
		+1/4 #/sk. Cellophane Flake	0.2338 cuft/ft csg ann	
		+ 2% CaCl2 (accelerator)	80 % excess	
Slurry Properties:				
	Density	Yield	Water	
	(lb/gal)	(ft3/sk)	(gal/sk)	
Slurry 1	11.4	2.9	17.77	
Slurry 2	13.5	1.27	5.72	
Casing Equipment:				
	7-5/8", 8R, ST&C			
	1 Float Shoe (autofill with minimal LCM in mud)			
	1 Float Collar (autofill with minimal LCM in mud)			
	1 Stop Ring			
	9 Centralizers (one in middle of first joint, then every third collar)			
	2 Fluidmaster vane centralizers @ base of Ojo			
	8 Centralizers one every 4th joint from Ojo to base of surface casing			
	1 Top Rubber Plug			
	1 Thread Lock Compound			

Int 2:				
Fresh Water	10 bbl	CW100		
Lead		467 LiteCrete D961 / D124 / D154	1000cuft	
Slurry 1		+ 0.03 gps D47 antifoam		
TOC@Surface		+ 0.5% D112 fluid loss		
		+ 0.11% D65 TIC		
Tail		80sx 50/50 Class "G"/Poz	115cuft	
Slurry 2		+ 5% D20 gel (extender)	+ 5 #/sk D24 gilsonite	
	500ft fill	+ 0.1% D46 antifoam	+ 0.15% D65 TIC	
		+ 1/4 #/sk. Cellophane Flake	+ 0.1% D800 retarder	
		+ 0.25% D167 Fluid Loss		
			0.1521 cuft/ft OH	
			50 % excess	
Slurry Properties:				
	Density	Yield	Water	
	(lb/gal)	(ft3/sk)	(gal/sk)	
Slurry 1	9.5	2.14	6.38	
Slurry 2	13	1.44	6.5	
Casing Equipment:				
	5-1/2", 8R, ST&C			
	1 Float Shoe (autofill with minimal LCM in mud)			
	1 Float Collar (autofill with minimal LCM in mud)			
	1 Stop Ring			
	35 Centralizers (every third joint			
	1 Top Rubber Plug			
	1 Thread Lock Compound			

Cementing Program: E. E. Elliott B 8M

Production (liner):				
Preflush	10 bbl.	CW100 / LCM wash		
Lead Cement		2350/50 Poz/G		34 cuft
Slurry 1		5% D20 bentonite	0.1% D46 antifoam	
	100ft lap	0.25#/sk D29 cellophane		
	100ft cap	0.25% D167 Fluid loss		0.0358 cuft/ft OH
		0.15% D65 TIC		0.0464 cuft/ft csg ann
		0.15% D800 retarder		0.1336 cuft/ft csg
Slurry Properties:	Density		Water	10 % excess
	(lb/gal)	(ft3/sk)	(gal/sk)	
Slurry 1	13	1.44	6.5	
Liner Float Equipment:	Float Shoe and Float Collar (furnished by Liner Hanger Company)			
	1 Thread Lock Compound			
Note:				
1. Coordinate w/Liner hand to drop plug, or set/release Liner as required				
2. The job should be pumped at 2-3 bpm max rate. Do not exceed 3 bpm on displacement				
3. Wash pump and lines before displacement. Slow to 1 bpm for the last 30 bbl of displacement.				
4. This is to be a rigless completion. After cement set time, liner top will be dressed off an liner circulated clean with 2 % KCl or 2 gal/1000 gal L64.				

FEDERAL CEMENTING REQUIREMENTS

1. All permeable zones containing fresh water and other usable water containing 10,000 PPM or less total dissolved solids will be isolated and protected from contamination by cement circulated in place for the protection of permeable zones per the NTL-FRA 90-1 Section III A.
2. The hole size will be no smaller than 1 1/2" larger diameter than the casing O.D. across all water zones.
3. An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement.
4. An adequate number of casing centralizers will be run through usable water zones to ensure that the casing is centralized through these zones. The adequate number of centralizers to use will be determined by API SPEC 10D.
5. Centralizers will impart a swirling action around the casing and will be used just below and into the base of the lowest usable water zone.
6. A chronological log will be kept recording the pump and slurry information and will be sent to the BLM with the subsequent sundry.

**Amoco Production Company
BOP Pressure Testing Requirements**

Well Name: E. E. Elliott B 8M
County: San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1366		
Fruitland Coal	2011		
PC	2556		
Lewis Shale	2601		
Cliff House	4170	500	0
Menefee Shale	4349		
Point Lookout	4782	600	0
Mancos	4933		
Dakota	6886	2600	1515

** Note: Determined using the following formula: $ABHP - (.22 * TVD) = ASP$

Requested BOP Pressure Test Exception: 3000 PSI
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**SAN JUAN BASIN
Dakota Formation
Pressure Control Equipment**

Background

The objective Dakota formation maximum surface pressure is anticipated to be less than 1000 PSI, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 PSI. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 PSI system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 PSI rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth in the Basin Dakota. No abnormal temperature, pressure, or H2S anticipated.

Equipment Specification

Interval

Below conductor casing to total depth

BOP Equipment

11" nominal or 7 1/16", 3000 PSI
double ram preventer with rotating
head.

All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 2000 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include kelly cock, upper kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure.