

DATE IN 9/4/01	SU [REDACTED]	ENGINEER MS	LOGGED KW	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]

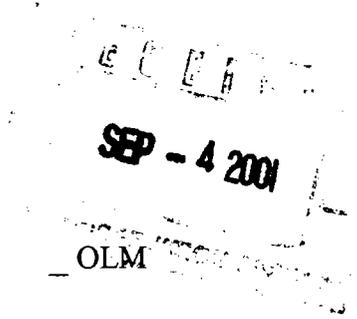
[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Directional Drilling  
 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  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

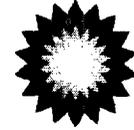
[3] **INFORMATION / DATA SUBMITTED IS COMPLETE** - Statement of Understanding

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.

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

bp



**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.

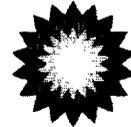
Amoco wants to drill the E. E. Elliott B 8M well to the Mesaverde and Dakota formations at the above location, which is non-standard for the Dakota formation only. This well will be the third Mesaverde and third Dakota well in the respective laydown GPU's. In the Dakota, this well will replace the E.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

bp



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.

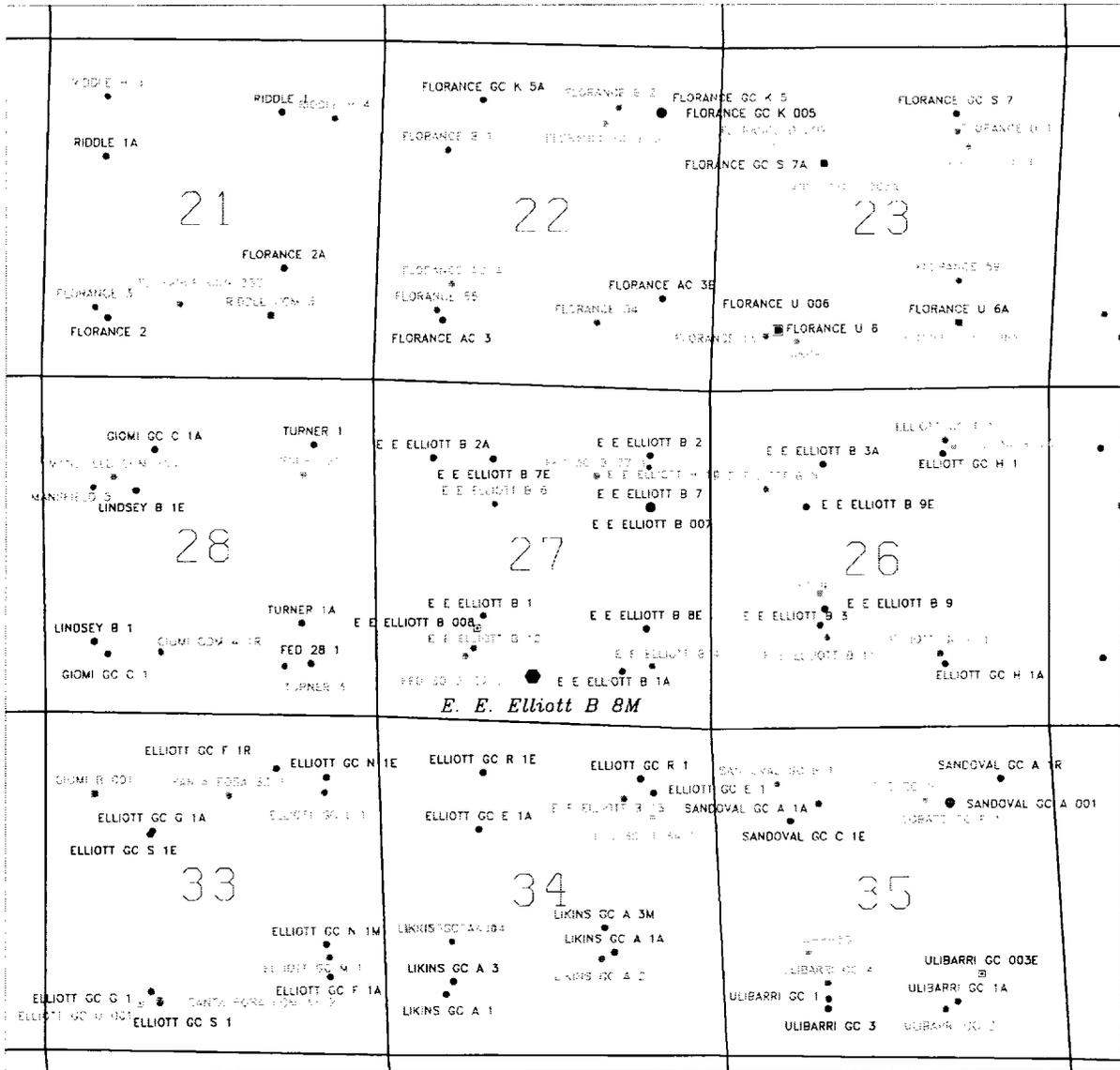
Amoco respectfully requests that a non-standard location for the Basin Dakota Pool be issued for the referenced well for the reasons cited above. If there are any questions concerning this application, please call me at (281) 366-4491 or Bill Hawkins at (303) 830-3259. Geological/reservoir questions 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](mailto:corleym1@bp.com)

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



# ATTACHMENT 2



- DRKTR ACTIVE WELL
- DRKTR INACTIVE WELL
- HESPERIDE ACTIVE WELL
- HESPERIDE INACTIVE WELL
- ⊗ SANDOVAL ACTIVE WELL
- SANDOVAL INACTIVE WELL
- ELLIOTT ACTIVE WELL
- ELLIOTT INACTIVE WELL
- LIKINS ACTIVE WELL
- LIKINS INACTIVE WELL
- ULIBARRI ACTIVE WELL
- ULIBARRI INACTIVE WELL

Amoco Production Company  
Houston, Texas

---

*9 Section Plat*

30N 9W Section 27

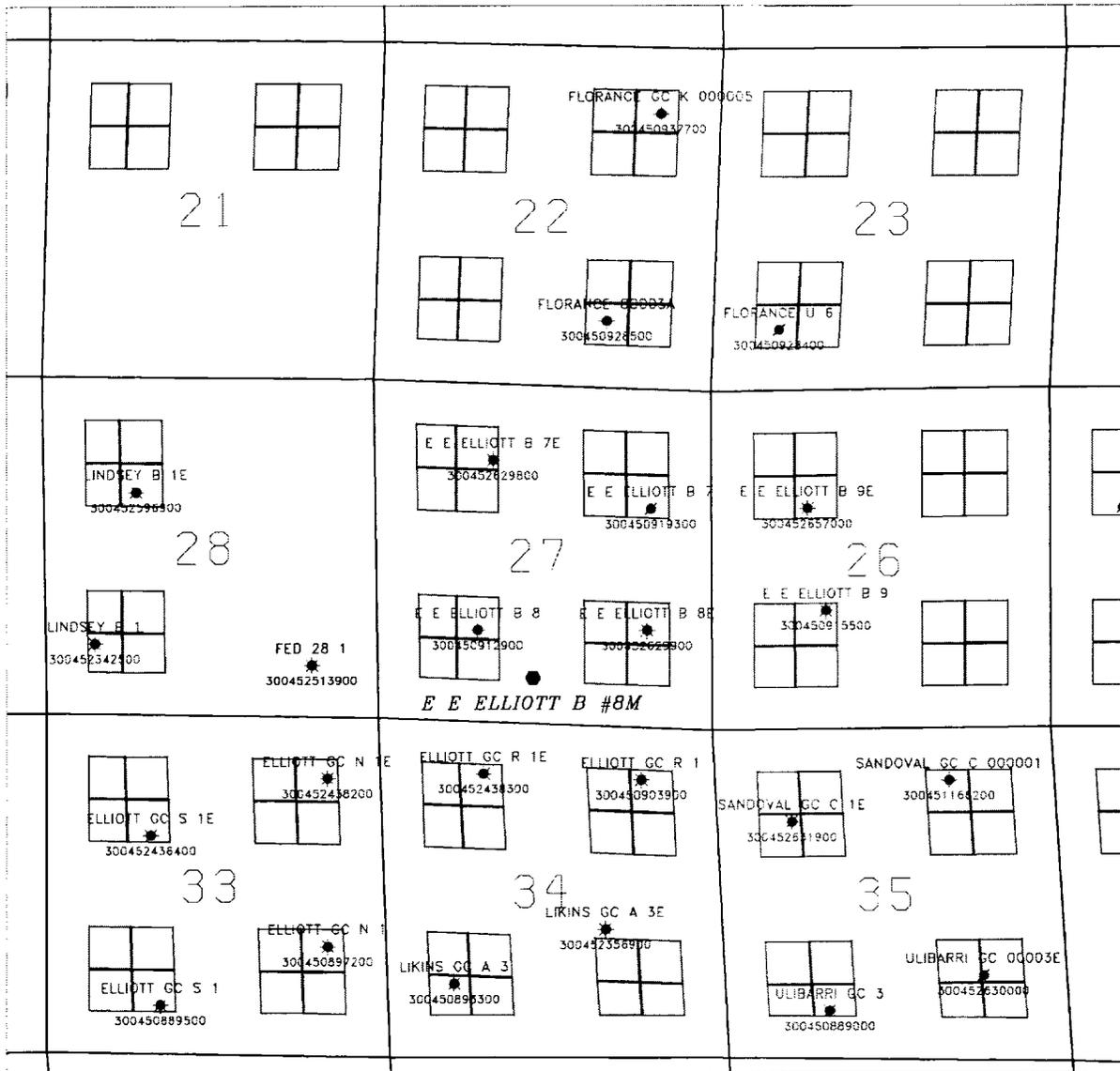
*E. E. Elliott B 8M*

---

SCALE	DRAWN <i>C. E. Sackett</i>	DATE 19-JUN-2001
DRAWING		



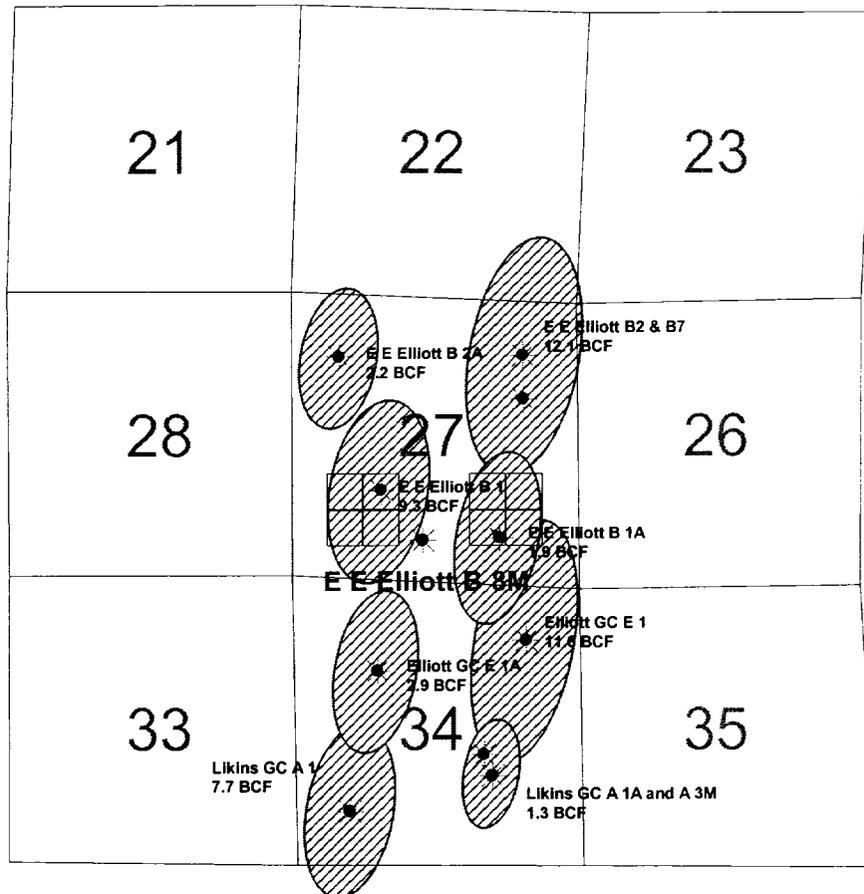
# ATTACHMENT 4



- WELL SYMBOL LEGEND**
- ★ Active Well
  - ◆ P&A Well
  - Inactive or S/I Well
- COLOR LEGEND**
- Amoco/Vastar Operated
  - Bumington Operated
  - Conoco Operated
  - Other Co. Operated
- Special Well Legend**
- ★ 2000 Program Location
  - 2001 Proposed Location

<b>Amoco Production Company</b> Houston, Texas		
<i>9 Section Plat</i> <b>30N 9W Section 27 - DK Wells</b> <i>E. E. Elliott B 8M</i>		
SCALE	DRAWN C. E. SACKETT	DATE 19-JUN-2001
DRAWING		

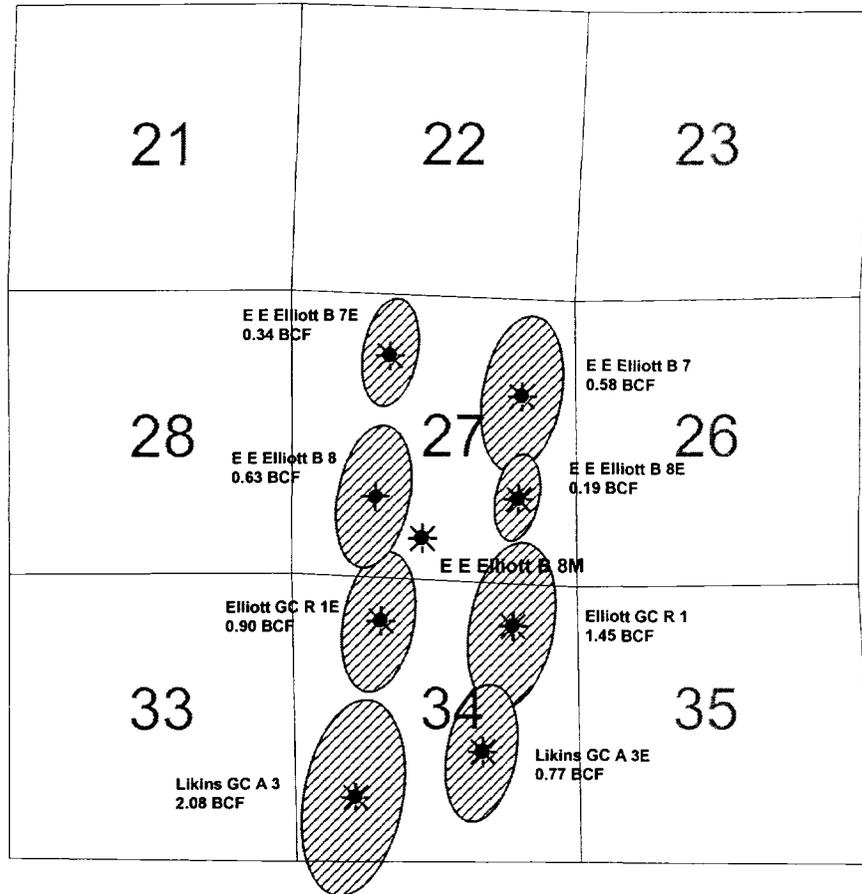
**E E Elliott B 8M**  
**Application for Non-Standard Basin Dakota Location**  
**S/2 of Section 27 T30N R9W**  
**Mesaverde Reservoir Drainage Patterns**



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**

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

<sup>10</sup> 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

<sup>11</sup> Bottom Hole Location If Different From Surface

<sup>1</sup> UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 320		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

<p>16</p>	<p><sup>17</sup> 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>          Printed Name: MARY CORLEY          Title: Sr. Regulatory Analyst          Date: 6-18-2001</p>
	<p><sup>18</sup> 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</p> <p>7016          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

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 Santa Fe, NM 87504-2088

Form C-102  
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Instructions on back  
 Submit to Appropriate District Office  
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name		
		72319		BLANCO MESAVERDE		
4 Property Code		5 Property Name			6 Well Number	
000470		E. E. Elliott B			# 8M	
7 OGRID No.		8 Operator Name			9 Elevation	
000778		AMOCO PRODUCTION COMPANY			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	13 Joint or Infill	14 Order No.
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

<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><i>Mary Corley</i>        Signature        Mary Corley        Printed Name        Sr. Regulatory Analyst        Title        06.18.2001        Date</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        Date of Survey</p> <p>Signature and Seal of Professional Surveyor          7016</p>

Amoco

Adm. Filing - NSI

9-4-2001

F. 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:corleyml@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/](ftp://db_62713300.3:X70bZC6B@dropbox.bp.com/db_62713300.3/)  
Internet Explorer 5 and above:  
[ftp://db\\_62713300.3:X70bZC6B@dropbox.bp.com/](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

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[ftp://db\\_62713300.3:X70bZC6B@dropbox.bp.com/](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:** 9-6-2001  
(Note: Must be within 10-days of received date)

**Results:**  Application Complete  Application Incomplete

**Date Incomplete Letter Sent:** NA

**Deadline to Submit Requested Information:** NA

**Phone Call Date:** NA  
(Note: Only applies if requested data is not submitted within the 7-day deadline)

**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  Federal owned  A	C 40.00  Federal owned  A	B 40.00  Federal owned  A	A 40.00  Federal owned  A A
E 40.00  Federal owned	F 40.00  Federal owned  A	G 40.00  Federal owned  A	H 40.00  Federal owned  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  Federal owned	K 40.00  Federal owned A A	J 40.00  Federal owned	I 40.00  Federal owned A
M 40.00  Federal owned	N 40.00  Federal owned A A A	O 40.00  Federal owned A	P 40.00  Federal owned A

PF01 HELP    PF02    PF03 EXIT    PF04 GoTo    PF05    PF06  
PF07 BKWD    PF08 FWD    PF09 PRINT    PF10 SDIV    PF11    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 :  
OG6ACRE

ONGARD  
C102-DEDICATE ACREAGE

09/04/01 14:00:14  
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  
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL

09/04/01 14:00:22

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. MM/YY	Days Prod	Production Gas	Oil	Water	Well Stat
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  
OG6IPRD INQUIRE PRODUCTION BY POOL/WELL

09/04/01 14:00:25  
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	Prodn. MM/YY	Days Prod	Production Gas	Oil	Water	Well Stat
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 :  
OG6IPRD

ONGARD  
INQUIRE PRODUCTION BY POOL/WELL

09/04/01 14:00:27  
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. MM/YY	Days Prod	Production Gas	Oil	Water	Well 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

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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  
Sandra E. Dean, 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.

RECEIVED  
BLM

87 JAN 23 AM 10:20

070 FARMINGTON

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. Lease Designation and Serial No. <b>NMSF-078139</b>
2. Name of Operator <b>Amoco Production Company</b>		7. If Unit or CA, Agreement Designation
Attention: <b>Pat Archuleta, Room 1205C</b>		8. Well Name and No. <b>E.E. Elliott B 8</b>
3. Address and Telephone No. <b>P.O. Box 800, Denver, Colorado 80201 (303) 830-5217</b>		9. API Well No. <b>3004509129</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1450' FSL 1560FWL Sec. 27 T 30N R 9W Unit K</b>		10. Field and Pool, or Exploratory Area <b>Basin Dakota</b>
		11. County or Parish, State <b>San Juan New Mexico</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input checked="" 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 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.)\*

MIRUSU 12/9/96.

TIH w/tbg set CIBP at 6790', tested csg to 500#. Held okay. Ran CBL drom 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 jspf, .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 jspf, .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 jspf, .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.

RECEIVED  
JAN 27 1997  
OIL GAS DIV  
BLM

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**  
DISTRICT MANAGER

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.

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.

SERVICE DIVISION  
RECEIVED  
OCT 11 AM 8 52

RECEIVED  
OIL ROOM  
OCT 10 1995

6. Lease Designation and Serial No.  
**NMSF-078139**

8. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
**UFD # 100000001, NM**

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**

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**

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 checked="" 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 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 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/

RECEIVED  
OCT 10 1995  
OIL GEN. DIV.  
DIST. 3

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 \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

APPROVED  
AS AMENDED  
OCT 04 1995  
DISTRICT MANAGER

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.

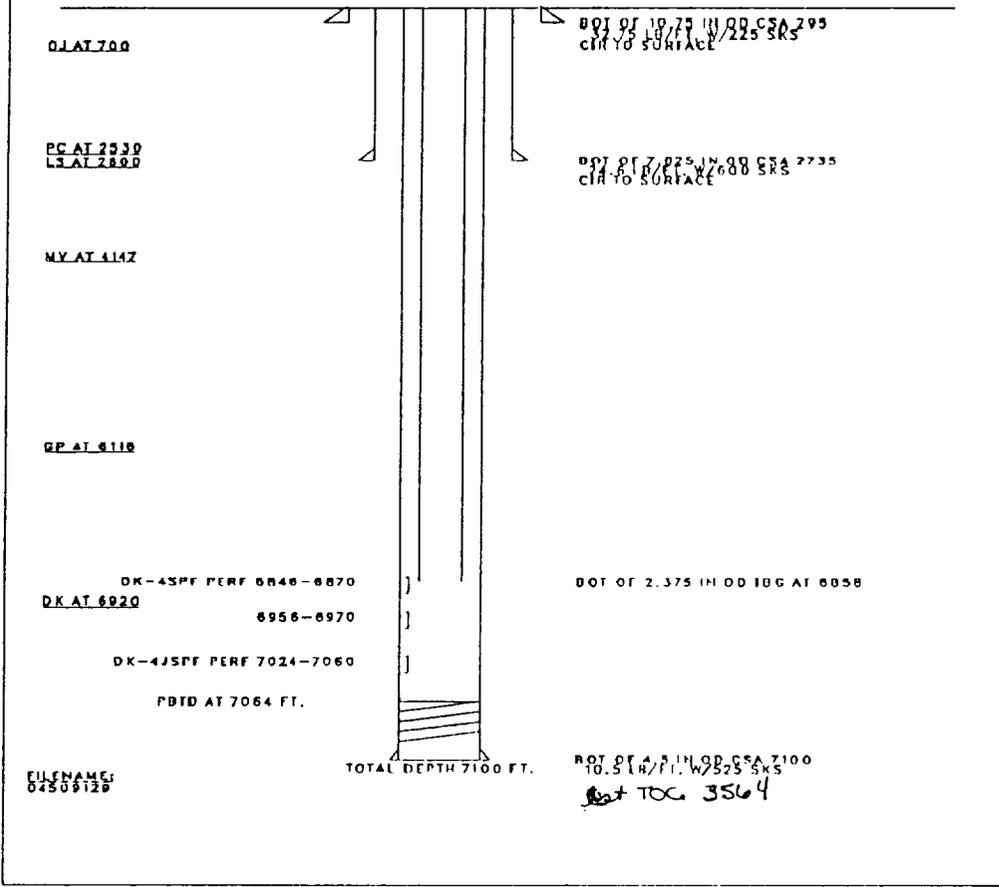
E. E. Elliott B #8  
Orig. Comp. 5/65  
TD = 7100', PBD = 7064'  
Page 2 of 2

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



QJ AT 700

DOT OF 10.75 IN OD CSA 295  
CTR TO SURFACE

PC AT 2530  
LS AT 2800

DOT OF 7.875 IN OD BSA 2735  
CTR TO SURFACE

NY AT 4142

GP AT 8110

DK-4JSPF PERF 6846-6870  
DK AT 6920  
6956-6970

DOT OF 2.375 IN OD IBG AT 8058

DK-4JSPF PERF 7024-7060

PBID AT 7064 FT.

TOTAL DEPTH 7100 FT.

DOT OF 4.5 IN OD CSA 7100  
TO SURFACE  
Dot TOC 3564

FILENAME:  
04806130

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.

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**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Amoco Production Company** Attention: **Patty Haeefe**

3. Address and Telephone No.  
**P.O. Box 800, Denver, Colorado 80201** (303) 830-4988

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1450' FSL 1560FWL Sec. 27 T 30N R 9W Unit K**

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"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <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

Vertical text stamps and handwritten notes on the right side of the page.

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

90 AUG 22 AM 10 50

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

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 ( <del>PRORATED GAS</del> )	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	, 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"/>	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

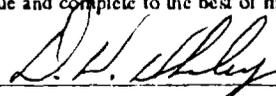
GAS WELL

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

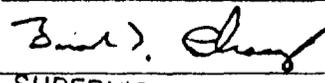
VI. OPERATOR CERTIFICATE OF COMPLIANCE

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 Title  
June 25, 1990 303-830-4280  
Date 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 TRIPPLICATE  
(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

3. 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., W. OR SW. AND SURVEY OR AREA

NE/SW Sec. 27, T30N, R9W  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
NM

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Amoco Production Co.

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N.M. 87401

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

1450' FSL X 1560' FWL

RECEIVED  
SEP 16 1985

(11)

14. PERMIT NO.

15. ELEVATIONS (Show whether depth or elevation)  
5829' RDB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)

PULL OR ALTER CASING   
MULTIPLE COMPLETION   
ABANDON   
CHANGE PLANS

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.  
7072'

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  
ACCEPTED FOR RECORD

(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

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

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

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

JAN 22 1985  
OIL CONSERVATION DIVISION

I. Operator  
**Amoco Production Company**

Address  
**501 Airport Drive Farmington, NM 87401**

Reason(s) for filing (Check proper box) Other (Please explain)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input checked="" type="checkbox"/> Condensate
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>E. E. Elliott</b>	Well No. <b>8</b>	Pool Name, including Formation <b>Basin Dakota</b>	Kind of Lease State, Federal or Fee <b>Federal</b>	Lease No. <b>82078139</b>
Location Unit Letter <b>K</b> : <b>1560</b> Feet From The <b>West</b> Line and <b>1450</b> Feet From The <b>South</b>				
Line of Section <b>27</b> Township <b>30N</b> Range <b>9W</b> , NMPM, <b>San Juan</b> 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)
<b>Permian Corp.</b>	<b>P. O. Box 1702 Farmington, NM 87499</b>
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)
<b>El Paso Natural Gas Company</b>	<b>P. O. Box 990 Farmington, NM 87401</b>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rgs. Is gas actually connected? When
	<b>K 27 30N 9W</b>

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 Johnson**  
TITLE **DEPUTY OIL & GAS INSPECTOR, DIST. #3**

This form is to be filled 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

MAILED 10  
'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 "K" 27-30-9  
LEASE WELL UNIT S-T-R

Basin Dakota El Paso Natural Gas Company  
POOL NAME OF PURCHASER

WAS MADE ON August 5, 1965 , FIRST DELIVERY August 12, 1965  
DATE 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

*August 23 1965*

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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 **AMOCO PROD. CO.**  
**P. O. Box 480, Farmington, New Mexico**

Reason(s) for filing (Check proper box) Other (Please explain)

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

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease
<b>E. E. Elliott "B"</b>	<b>8</b>	<b>Basin Dakota</b>	State, Federal or Fee <b>Federal</b>
Location			
Unit Letter <b>K</b>	<b>1560</b> Feet From The <b>West</b> Line and <b>1450</b> Feet From The <b>South</b>		
Line of Section <b>27</b>	Township <b>30N</b>	Range <b>9W</b>	NMPM, <b>San Juan</b> 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)					
<b>Plateau, Inc.</b>	<b>P. C. Box 108, Farmington, New Mexico</b>					
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)					
<b>El Paso Natural Gas Company</b>	<b>P. C. Box 990, Farmington, New Mexico</b>					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	<b>K</b>	<b>27</b>	<b>30N</b>	<b>9W</b>	<b>No</b>	

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 Spud	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
<b>4-11-65</b>	<b>5-18-65</b>	<b>7100</b>	<b>7064</b>					
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
<b>basin Dakota</b>	<b>Dakota</b>	<b>6843</b>	<b>6858</b>					
Perforations	Depth Casing Shoe							
<b>6956-70 with 4 shots per foot</b>	<b>7100</b>							
<b>6846-70 with 2 shots per foot</b>								
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
<b>13-3/4"</b>	<b>10-3/4"</b>	<b>295'</b>	<b>225 Sacks</b>					
<b>9-7/8"</b>	<b>7-5/8"</b>	<b>2735'</b>	<b>600 Sacks</b>					
<b>6-3/4"</b>	<b>4-1/2"</b>	<b>7100'</b>	<b>525 Sacks</b>					
	<b>2-3/8"</b>	<b>6858'</b>						

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



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.

**J. R. Zuercher**  
(Signature)  
Administrative Clerk  
(Title)  
May 24, 1965  
(Date)

OIL CONSERVATION COMMISSION  
APPROVED **MAY 27 1965**, 19\_\_\_\_  
BY **Curry C. Curry**  
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 SURVEY**

SUBMIT 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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

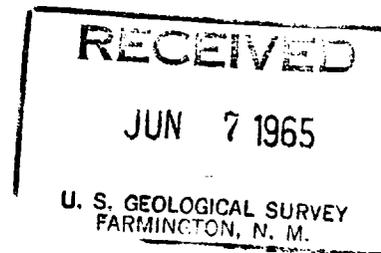
WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> <b>Report of Potential Test</b>	

(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 MGPPD thru 3/4" choke after 3 hours flow. Absolute Open Flow Potential 2335 MGPPD. 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 \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 42-R355

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  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)\*  
At surface **1450 FSL and 1560 FWL**  
At top prod. interval reported below  
At total depth **Same**



14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

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 BLOCK 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**

15. DATE SPUDDED **4-11-65** 16. DATE T.D. REACHED **4-20-65** 17. DATE COMPL. (Ready to prod.) **5-18-65** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5829 (RDB)** 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 \_\_\_\_\_ ROTARY TOOLS **0-7100** CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**Graneros Dakota 6843-6952** **Main Dakota 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	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	32.75#	295'	13-3/4"	225 Sacks	None
7-5/8"	24.6#	2735'	9-7/8"	600 Sacks	None
4-1/2"	10.5#	7100'	6-3/4"	525 Sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

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) **Flow** WELL STATUS (Producing or shut-in) **Shut In**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-18-65	3	3/4"	→		187		

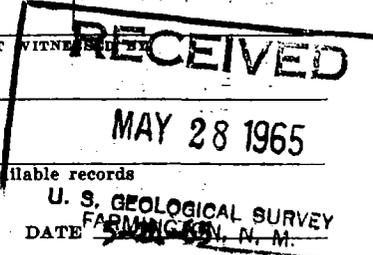
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
125	475	→		1500		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**To be sold to El Paso Natural Gas Company**

TEST WITNESSED BY \_\_\_\_\_

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 **Fred L. Nabors** TITLE \_\_\_\_\_



# 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: "Stacks 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	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NAME
			MEAS. DEPTH
			TOP
			TRUE VERT. DEPTH
Surface sand and Shale	0	2530	
Pictured Cliffs	2530	2600	
Lewis Shale	2600	4147	
Mesaverde	4147	4892	
Marros	4892	6116	
Callup	6116	6448	
Base Callup	6448	6760	
Greenhorn	6760	6822	
Graneros Shale	6822	6843	
Graneros Dakota	6843	6952	
Main Dakota	6952	7100	

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse 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 13. STATE

**San Juan**

**New Mexico**

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 **1450 FSL and 1560 FWL**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, 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 pertinent 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 posmix 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 Gransros 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

TITLE

CONDITIONS OF APPROVAL, IF ANY:



DATE **May 25, 1965**

DATE **MAY 28 1965**

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

\*See Instructions on Reverse Side.

# ILLEGIBLE

### Well Location and Acreage Dedication Plat

Section A.

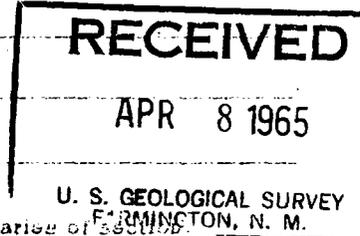
Date April 6, 1965

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  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:

Owner	Interest	Description
-------	----------	-------------

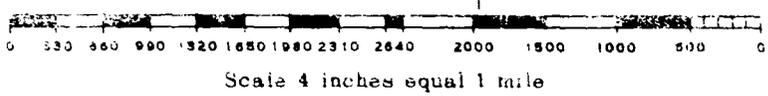
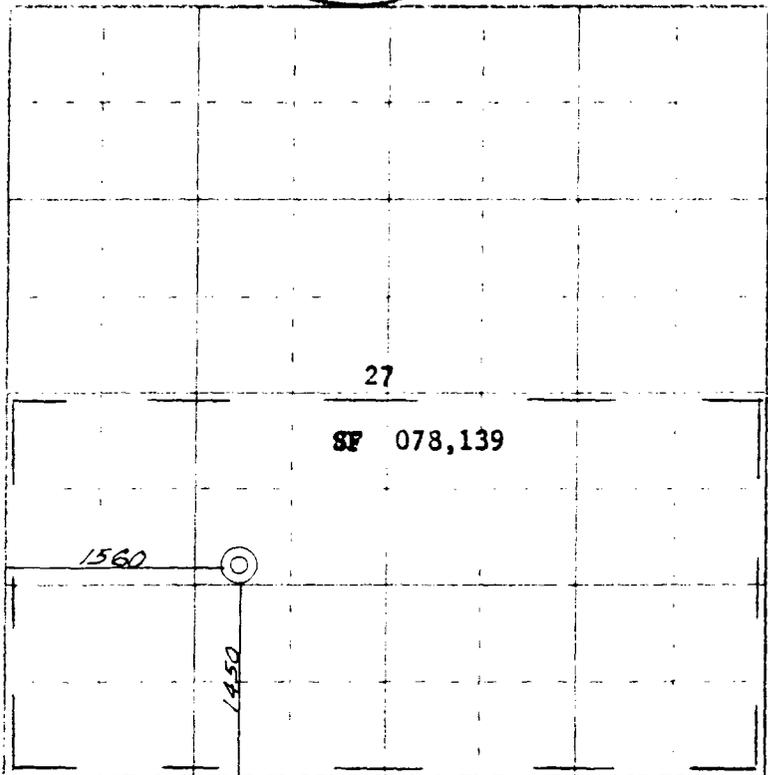


Section B.

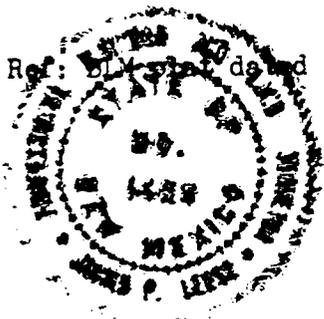
Note: All distances must be from outer boundaries of section.

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)  
**F. H. Hollingsworth**  
 (Representative)  
**P. O. Box 480**  
 (Address)  
**Farmington, New Mexico**



Ref: Oil plat dated July 2, 1952



I hereby 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 a Land Surveyor  
**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                       DEEPEN                       PLUG BACK

b. TYPE OF WELL  
 OIL WELL                       GAS WELL                       OTHER   
 SINGLE ZONE                       MULTIPLE ZONE

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 PSL and 1560 PNL**  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**7 Miles northeast of Blanco, New Mexico**

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**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**320**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**200**

19. PROPOSED DEPTH  
**7000'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**Will Report Later.**

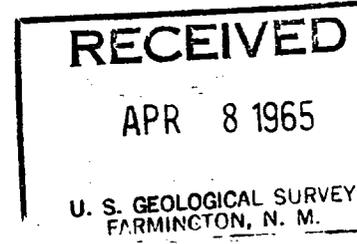
22. APPROX. DATE WORK WILL START\*  
**April 8, 1965**

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.



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 \_\_\_\_\_                      DATE \_\_\_\_\_

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY *[Signature]*                      TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:





**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	<b>MARKER</b>		<b>SUBSEA</b>	<b>MEAS. DEPTH</b>	
<b>LOG PROGRAM</b>		Ojo Alamo		4529	1321	
<b>TYPE</b>	<b>DEPTH INVERAL</b>	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	
<u>CASED HOLE</u>		Menefee Shale	#	1516	4334	
GR-CCL-TDT	TDT - TD to 7" shoe	Point Lookout	#	1101	4749	
CBL	Identify 4 1/2" cement top	Mancos		940	4910	
REMARKS: - Please report any flares (magnitude & duration).		Greenhorn		-936	6786	
		Bentonite Marker		-990	6840	
		Two Wells	#	-1031	6881	
		Dakota MB	#	-1180	7030	
		Burro Canyon	*	-1327	7177	
		Morrison	*	-1377	7227	
		<b>TOTAL DEPTH</b>		<b>-1377</b>	<b>7227</b>	
			<b># Probable completion interval</b>		<b>* Possible Pay</b>	
	<b>SPECIAL TESTS</b>		<b>DRILL CUTTING SAMPLES</b>		<b>DRILLING TIME</b>	
	TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		10 feet	Production hole	Geolograph	0-TD	

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

<b>PREPARED BY:</b> HGJ/MNP	<b>APPROVED:</b>	<b>DATE:</b> June 11, 2001 Version 1.0
--------------------------------	------------------	--

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:  $ABHP - (.22 * TVD) = ASP$

Requested BOP Pressure Test Exception:



# Cementing Program

	Slurry 1	73 sx Class G Cement		85 cuft
	TOC@Surface	+ 2% CaCl <sub>2</sub> (accelerator)		
		0.25 #/sk Cellophane Flake (lost circulation additive)		0.3132 cuft/ft OH
		0.1% D46 antifoam		100 % excess
Slurry Properties:	Density (lb/gal)	Yield (ft <sup>3</sup> /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			

**Intermediate:**

	Fresh Water	20 bbl	fresh water	
	Lead	207 sx Class "G" Cement		601 cuft
	Slurry 1	+ 3% D79 extender		
	TOC@Surface	+ 2% S1 Calcium Chloride		
		+1/4 #/sk. Cellophane Flake		
		+ 0.1% D46 antifoam'		
	Tail	107 sx 50/50 Class "G"/Poz		135 cuft
	Slurry 2	+ 2% gel (extender)		
	500 ft fill	0.1% D46 antifoam		0.1503 cuft/ft OH
		+1/4 #/sk. Cellophane Flake		0.1746 cuft/ft csg ann
		+ 2% CaCl <sub>2</sub> (accelerator)		80 % excess

Slurry Properties:	Density (lb/gal)	Yield (ft <sup>3</sup> /sk)	Water (gal/sk)
	Slurry 1	11.4	2.9
	Slurry 2	13.5	1.27

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 Centralizers one every 4th joint from Ojo to base of surface casing
- 1 Top Rubber Plug
- 1 Thread Lock Compound

**Production:**

	Fresh Water	10 bbl	CW100	
	Lead	139 LiteCrete D961 / D124 / D154		297 cuft
	Slurry 1	+ 0.03 gps D47 antifoam		
	TOC@Surface	+ 0.5% D112 fluid loss		

# 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 (ft <sup>3</sup> /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

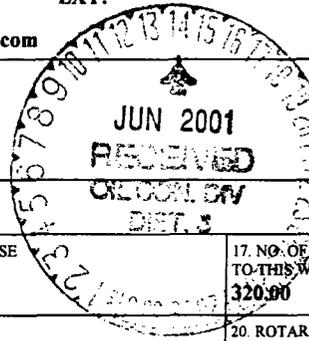
Note:

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. <b>SF - 078139</b>
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 <b>AMOCO PRODUCTION COMPANY P.O. BOX 3092 HOUSTON, TX 77079</b>		7. UNIT AGREEMENT NAME
3. ADDRESS AND TELEPHONE NO. <b>MARY CORLEY AUTHORIZED REPRESENTATIVE</b>		8. FARM OR LEASE NAME, WELL NO. <b>E. E. ELLIOTT B 8M</b>
PHONE <b>281.366.4491</b> EXT: FAX: <b>281.366.0700</b> EMAIL: <b>corleyml@bp.com</b>		9. API WELL NO. <b>30-045-3060</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface <b>770FSL AND 2420FEL SWSE SEC 27 T30N R9W</b> At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT <b>BASIN DAKOTA/BLANCO MESAVERDE</b>
14. DISTANCE IN MILES AND DIRECTION FROM THE NEAREST TOWN OR POST OFFICE <b>14 MILES FROM AZTEC, NM</b>		11. SEC. T. R. M., OR BLK. AND SURVEY OR AREA <b>N</b> <b>SECTION 27 T30N R9W</b>
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 <b>320.00</b>	12. COUNTY OR PARISH <b>SAN JUAN</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE FT.	19. PROPOSED DEPTH <b>7245 MD / TVD --</b>	13. STATE <b>NM</b>
20. ROTARY OR CABLE TOOLS <b>ROTARY</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>320.00 5/2</b>	
21. ELEVATIONS ( Show whether DF, RT, GR, etc.) <b>5040 GL 5836'</b>	22. APPROX. DATE WORK WILL START* <b>04/30/2001</b>	



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).

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 02/10/01 BY 60322 UCBAW/STP/STP  
EXCEPT WHERE SHOWN OTHERWISE  
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 02/10/01 BY 60322 UCBAW/STP/STP  
EXCEPT WHERE SHOWN OTHERWISE

This application has been reviewed and approved for procedural review pursuant to 40 CFR 3135.3 and appeal pursuant to 43 CFR 3135.4.

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 \_\_\_\_\_

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

2001 JUN -7 AM 9:19

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 (Fouage, Sec., T., R., M., or Survey Description)

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

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

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input 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 type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input checked="" 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 operations on Well Completion or Recompletion Report and Log forms.)

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: *[Signature]* Title: CONTRACT AGENT  
(This space for Federal or State office use)  
Approved by: /s/ V.R. Balderez

Date: 6-6-2001

Date: JUN 13 2001

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 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

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

<sup>10</sup> 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

<sup>11</sup> Bottom Hole Location If Different From Surface

<sup>7</sup> UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<p><sup>16</sup></p>	<p><sup>17</sup> 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: MARY CORLEY</p> <p>Title: Sr. Regulatory Analyst</p> <p>Date: 6.18.2001</p>
	<p><sup>18</sup> 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</p> <p>7016 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 MESA VENDE	
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.			

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: *Mary Cooley*  
 Printed Name: Mary Cooley  
 Title: Sr. Regulatory Analyst  
 Date: 06-18-2001

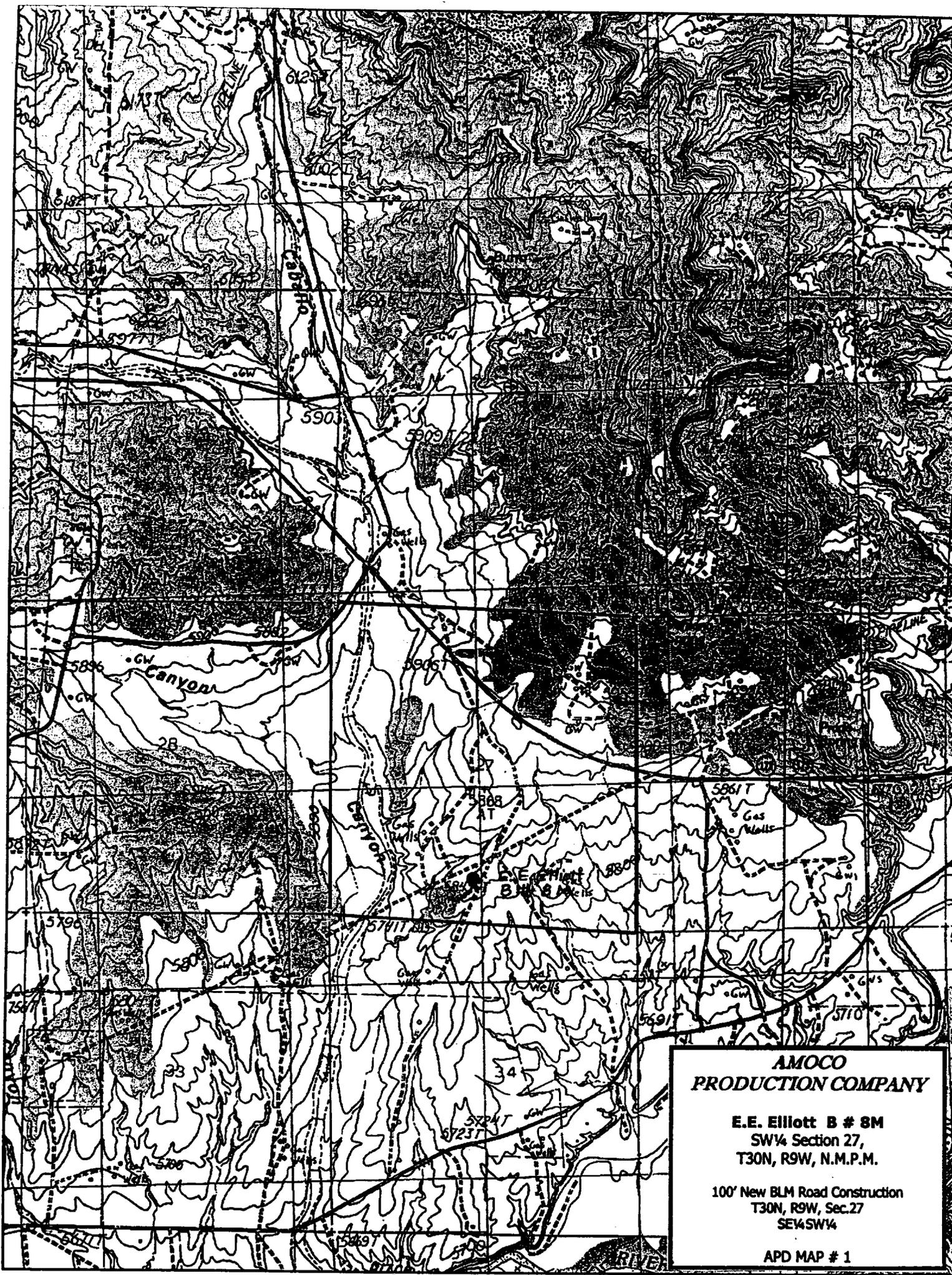
18 SURVEYOR CERTIFICATION  
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

May 4, 2001

Date of Survey

Signature and Seal of Professional Surveyor

7016  
 Certificate Number



**AMOCO  
PRODUCTION COMPANY**

**E.E. Elliott B # 8M**  
SW $\frac{1}{4}$  Section 27,  
T30N, R9W, N.M.P.M.

100' New BLM Road Construction  
T30N, R9W, Sec.27  
SE $\frac{1}{4}$ SW $\frac{1}{4}$

APD MAP # 1

**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	<b>MARKER</b>		<b>SUBSEA</b>	<b>MEAS. DEPTH</b>
<b>LOG PROGRAM</b>		Ojo Alamo		4488	1366
<b>TYPE</b>	<b>DEPTH INVERAL</b>	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
		<b>TOTAL DEPTH</b>		<b>-1391</b>	<b>7245</b>
		# Probable completion interval		* Possible Pay	
<b>SPECIAL TESTS</b>		<b>DRILL CUTTING SAMPLES</b>		<b>DRILLING TIME</b>	
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 (4) Bring cement 200' above 7 5/8" shoe  
(2) Set casing 50' above Fruitland Coal  
(3) Liner Lap should be a minimum of 100'

**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

<b>PREPARED BY:</b> KAS/KAT	<b>APPROVED:</b>	<b>DATE:</b> March 2, 2001
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Form 46 12-00 KAT

## 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 <sub>2</sub> (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 <sup>3</sup> /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

<b>Intermediate:</b>				
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		193 cuft
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
<b>Slurry Properties:</b>	<b>Density</b>	<b>Yield</b>	<b>Water</b>	
	(lb/gal)	(ft3/sk)	(gal/sk)	
Slurry 1	11.4	2.9	17.77	
Slurry 2	13.5	1.27	5.72	
<b>Casing Equipment:</b>	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			

<b>Int 2:</b>				
Fresh Water	10 bbl	CW100		
Lead		467 LiteCrete D961 / D124 / D154		1000 cuft
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		115 cuft
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
<b>Slurry Properties:</b>	<b>Density</b>	<b>Yield</b>	<b>Water</b>	
	(lb/gal)	(ft3/sk)	(gal/sk)	
Slurry 1	9.5	2.14	6.38	
Slurry 2	13	1.44	6.5	
<b>Casing Equipment:</b>	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

<b>Production (liner):</b>				
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	
<b>Slurry Properties:</b>	<b>Density</b>		<b>Water</b>	<b>10 % excess</b>
	(lb/gal)	(ft <sup>3</sup> /sk)	(gal/sk)	
Slurry 1	13	1.44	6.5	
<b>Liner Float Equipment:</b>	Float Shoe and Float Collar (furnished by Liner Hanger Company)			
	1 Thread Lock Compound			
<b>Note:</b>				
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**

**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**

**BOP Equipment**

Below conductor casing to total depth

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.