



Form C-11  
 (2001) (10/01) (NM 8521) (1980)  
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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 <b>30-045-30706</b>		2 Pool Code <b>71599 &amp; 72319</b>		3 Pool Name <b>BASIN DAKOTA &amp; BLANCO MESAVERDE</b>	
4 Property Code <b>000517</b>		5 Property Name <b>Fletcher</b>			6 Well Number <b>#2M</b>
7 GRID No. <b>000778</b>		8 Operator Name <b>AMOCO PRODUCTION COMPANY</b>			9 Elevation <b>6515</b>

10 Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Country
<b>H</b>	<b>29</b>	<b>31 N</b>	<b>8 W</b>		<b>2070</b>	<b>NORTH</b>	<b>660</b>	<b>EAST</b>	<b>SAN JUAN</b>

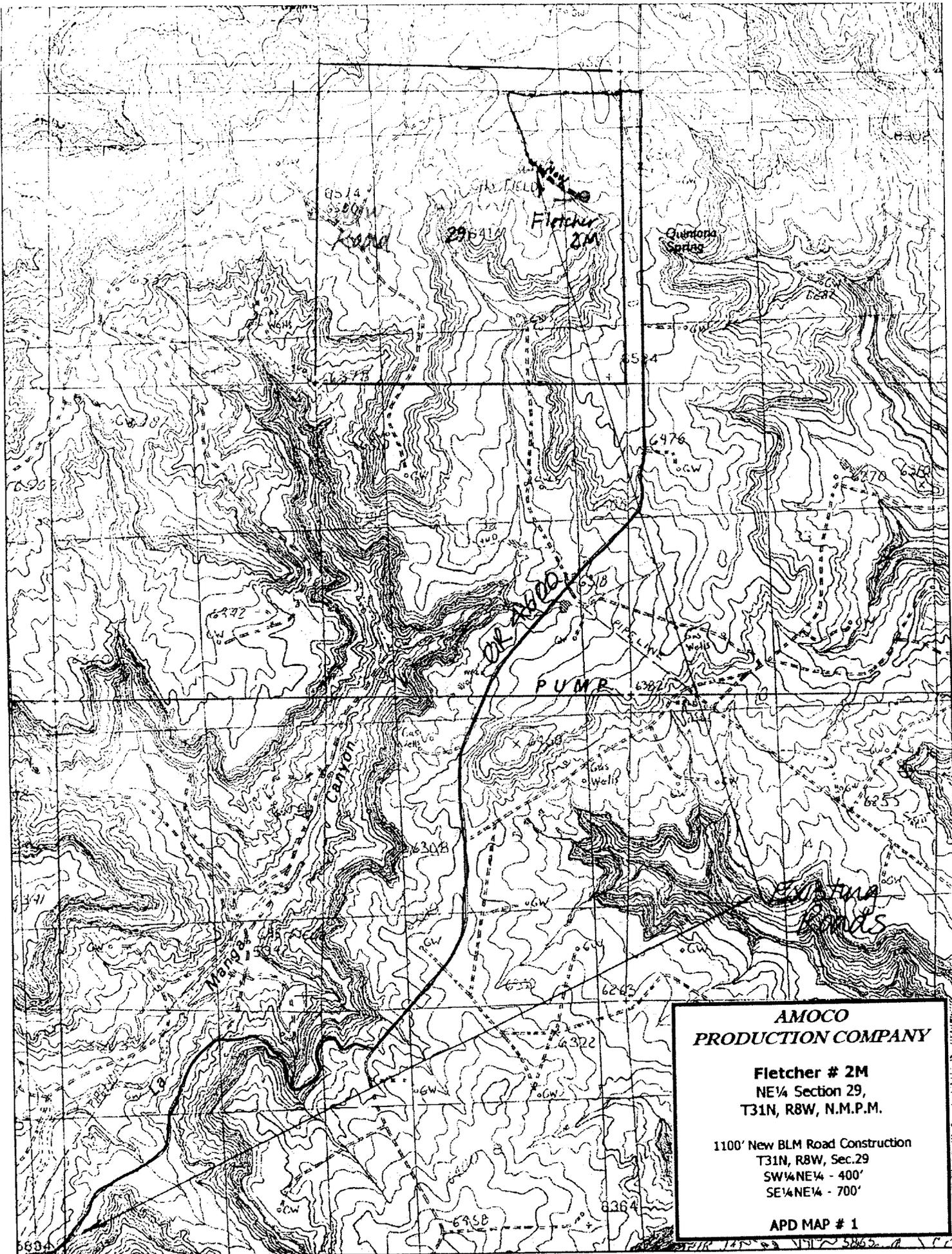
11 Bottom Hole Location If Different From Surface

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

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

	<p>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  <b>MARY CORLEY</b>          Printed Name  <b>SR. REGULATORY ANALYST</b>          Title  <b>6.19.2001</b>          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><b>March 23, 2001</b>          Date of Survey</p> <p>Signature and Seal of Professional Surveyor    <b>7016</b>          Certificate Number</p>



**AMOCO  
PRODUCTION COMPANY**

**Fletcher # 2M**  
NE $\frac{1}{4}$  Section 29,  
T31N, R8W, N.M.P.M.

1100' New BLM Road Construction  
T31N, R8W, Sec.29  
SW $\frac{1}{4}$ NE $\frac{1}{4}$  - 400'  
SE $\frac{1}{4}$ NE $\frac{1}{4}$  - 700'

**APD MAP # 1**

**AMOCO PRODUCTION COMPANY  
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Fletcher  
 Lease: FLETCHER  
 County: San Juan  
 State: New Mexico  
 Date: June 19, 2001

Well No: 2M  
 Surface Location: 29-31N-8W, 2070 FNL.660 FEL  
 Field: Blanco Mesaverde/Basin Dakota

**OBJECTIVE:** Drill 450' below the base of the Greenhorn Limestone, set 41/2" 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: 6515		Estimated KB: 6529	
Rotary	0 - TD	MARKER		SUBSEA	MEAS. DEPTH
<b>LOG PROGRAM</b>		Ojo Alamo		3996	2533
<b>TYPE</b>	<b>DEPTH INVERAL</b>	Fruitland Coal	*	3430	3099
OPEN HOLE		Pictured Cliffs	*	3147	3382
GR-Induction	TD to 7" shoe	Lewis Shale	#	2972	3557
Density/Neutron	TD to 7" shoe	Cliff House	#	1291	5238
<b>CASED HOLE</b>		Menefee Shale	#	1235	5295
GR-CCL-TDT	TDT - TD to 7" shoe	Point Lookout	#	908	5621
CBL	Identify 4 1/2" cement top	Mancos		530	6000
REMARKS:		Greenhorn		-1132	7661
- Please report any flares (magnitude & duration).		Bentonite Marker		-1190	7719
		Two Wells	#	-1275	7804
		Dakota MB	#	-1352	7881
		Burro Canyon	*	-1480	8009
		Morrison	*	-1525	8054
		<b>TOTAL DEPTH</b>		<b>-1640</b>	<b>8169</b>
		# Probable completion interval		* Possible Pay	

SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		10 feet	Production hole	Geolograph	0-TD
REMARKS:					

MUD PROGRAM:					
Approx. Interval	Type Mud	Weight, #/ga	Vis, sec/qt	W/L cc's/30 min	Other Specification
0 - 200	Spud	8.6-9.2			
200 - 3657 (1)	Water/LSND	8.6-9.2		<6	
3657 - 8004	Gas/Air/N2/Mist	Volume sufficient to maintain a stable and clean wellbore			
8004 - 8169 (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	200	9 5/8"	H-40 ST&C	32#	12.25"	1
Intermediate 1	3657	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	8169	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/KAT	<b>APPROVED:</b>	<b>DATE:</b> May 8, 2001	<b>Version 1.0</b>
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Amoco Production Company  
BOP Pressure Testing Requirements

Well Name: Fletcher 2M  
County: San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	2533		
Fruitland Coal	3099		
PC	3382		
Lewis Shale	3557		
Cliff House	5238	500	0
Menefee Shale	5295		
Point Lookout	5621	600	0
Mancos	6000		
Dakota	7804	2600	1280

\*\* 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.