

NAME

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-30706		2 Pool Code 71599 & 72319		3 Pool Name Basin Dakota & Blanco Mesaverde		
4 Property Code 000517		5 Property Name Fletcher			6 Well Number #2M	
7 OGRID No. 000778		8 Operator Name AMOCO PRODUCTION COMPANY			9 Elevation 6515	

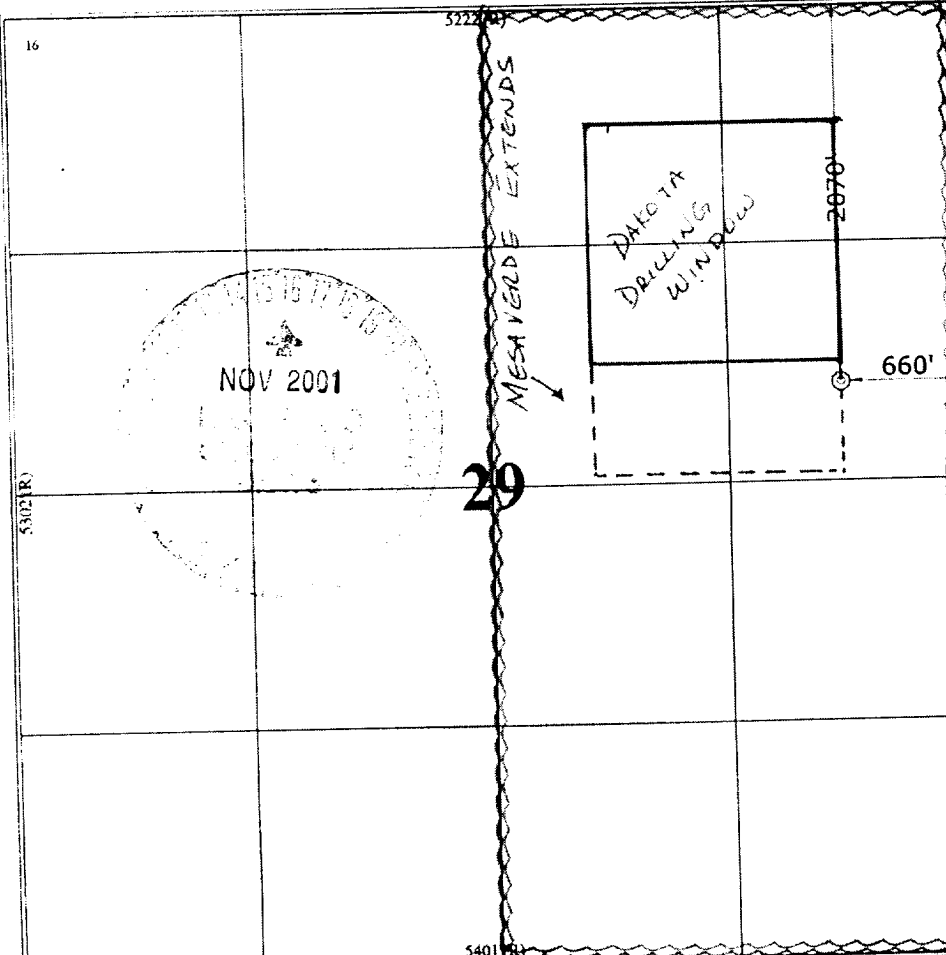
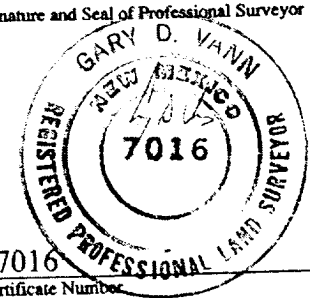
10 Surface Location

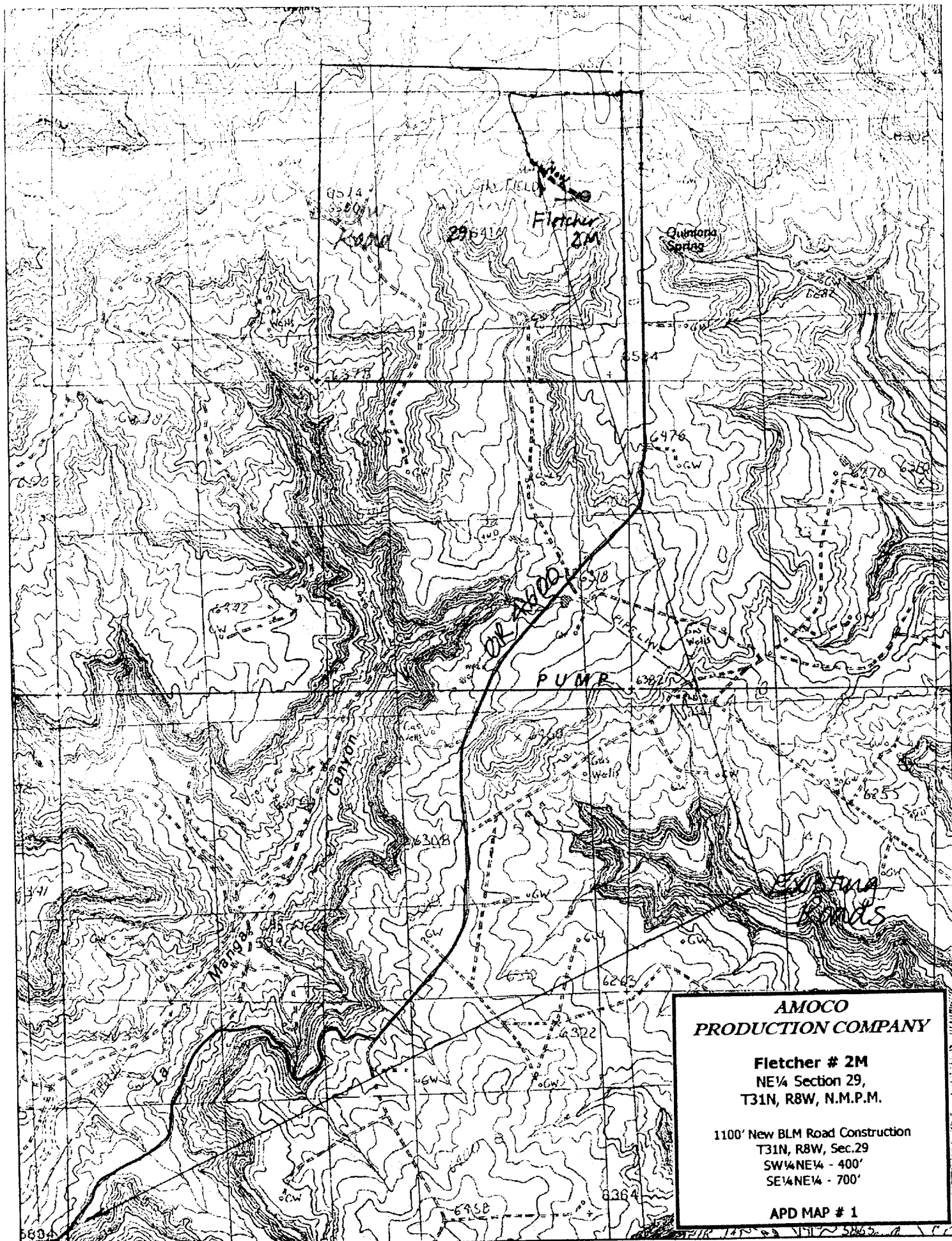
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	29	31 N	8 W		2070	NORTH	660	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

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

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

<div>16</div> 	<div>17 OPERATOR CERTIFICATION</div> <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 6.19.2001 Date</p>
	<div>18 SURVEYOR CERTIFICATION</div> <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>March 23, 2001 Date of Survey</p> <p>GARY D. VANN Signature and Seal of Professional Surveyor</p>  <p>7016 Certificate Number</p>



**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		Estimated GL: 6515		Estimated KB: 6529	
Rotary		0 - TD			
LOG PROGRAM					
TYPE		DEPTH INVERAL			
OPEN HOLE					
GR-Induction		TD to 7" shoe			
Density/Neutron		TD to 7" shoe			
CASED HOLE					
GR-CCL-TDT		TDT – TD to 7" shoe			
CBL		Identify 4 ½" cement top			
REMARKS:					
- Please report any flares (magnitude & duration).					
SPECIAL TESTS					
TYPE					
None					
REMARKS:					

MUD PROGRAM:		Type Mud	Weight, #/ga	Vis, sec/qt	W/L cc's/30 min	Other Specification
Approx. Interval						
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

PREPARED BY:

APPROVED:

DATE:

May 8, 2001

HGJ/KAT

Version 1.0

Form 46 12-00 KAT

**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
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**SAN JUAN BASIN
Dakota Formation
Pressure Control Equipment**

Background

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

Equipment Specification

Interval

Below conductor casing to total depth

BOP Equipment

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

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