



June 5, 1997

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P.O. Box 6429
Santa Fe, NM 87505

Amoco Production Company
San Juan Business Unit

1670 Broadway
Post Office Box 800
Denver, Colorado 80201
303-830-4040

RECEIVED
JUL 16 1997

OIL CON. DIV.
DIST. 3

Application For Deviated Wellbore - Rule 111.C.
Florance #18R
Unit M Section 11-T30N-R9W
Blanco Mesaverde Pool
San Juan County, New Mexico

Amoco Production Company hereby requests administrative approval to enter the existing wellbore in the Florance #18R well referenced above and directionally drill the well in the Blanco Mesaverde Pool. The well is currently completed as a marginal producing well in the Blanco Mesaverde Pool. Directionally drilling the well will help place the wellbore away from the original completion and provide an opportunity to encounter the naturally occurring fracture system in the Mesaverde formation which will increase the producing rate and ultimate recovery of gas for this well. We are requesting the Project Area for this well to be the Blanco Mesaverde gas proration unit consisting of the W/2 Section 11, T30N-R9W with the Producing Area for the well to consist of a rectangle inside the gas proration unit that is not closer than 790' from the outer boundaries of the gas proration unit.

In accordance with Rule 111-D.(2), attached to aid in your review are:

- 1) a plat showing the well location, project area and producing area for the project well and the offset spacing units, their wells and operators;
- 2) a vertically oriented plan view for the project well showing top and bottom of the pool, degree of angle to be built, kickoff point, penetration point and lateral length;
- 3) a horizontal plan view for the project well showing the project area, producing area, estimated azimuth and maximum length of the lateral;
- 4) a type log section identifying the top and bottom of the pool.

As notification, a copy of this application will be sent by certified mail return receipt requested to the offset operators shown on the attached list advising them that if they have any objection, it must be filed in writing within (20) days of the date notice was sent.

Sincerely,

Pamela W. Staley

Attachments

cc: Mark Rothenberg, Amoco
Pat Archuleta, Amoco
Well File
Proration Files

OFFSET OPERATOR LIST

Florance #18R

Burlington Resources Oil and Gas Co.
P.O. Box 4289
Farmington, NM 87499

DATA SUMMARY SHEET

WELLNAME
Florance #18R

API
3004525307

LOCATION
Unit M Section 11-T30N-R9W

ACREAGE IN SPACING UNIT
320 Acres W/2

LOCATION FOOTAGES
1060 FSL x 980 FWL

STANDARD LOCATION?
YES

OTHER WELL(S) PRODUCING IN SPACING UNIT IN MESAVERDE POOL
Florance 18A (3004522120) (UNIT E)

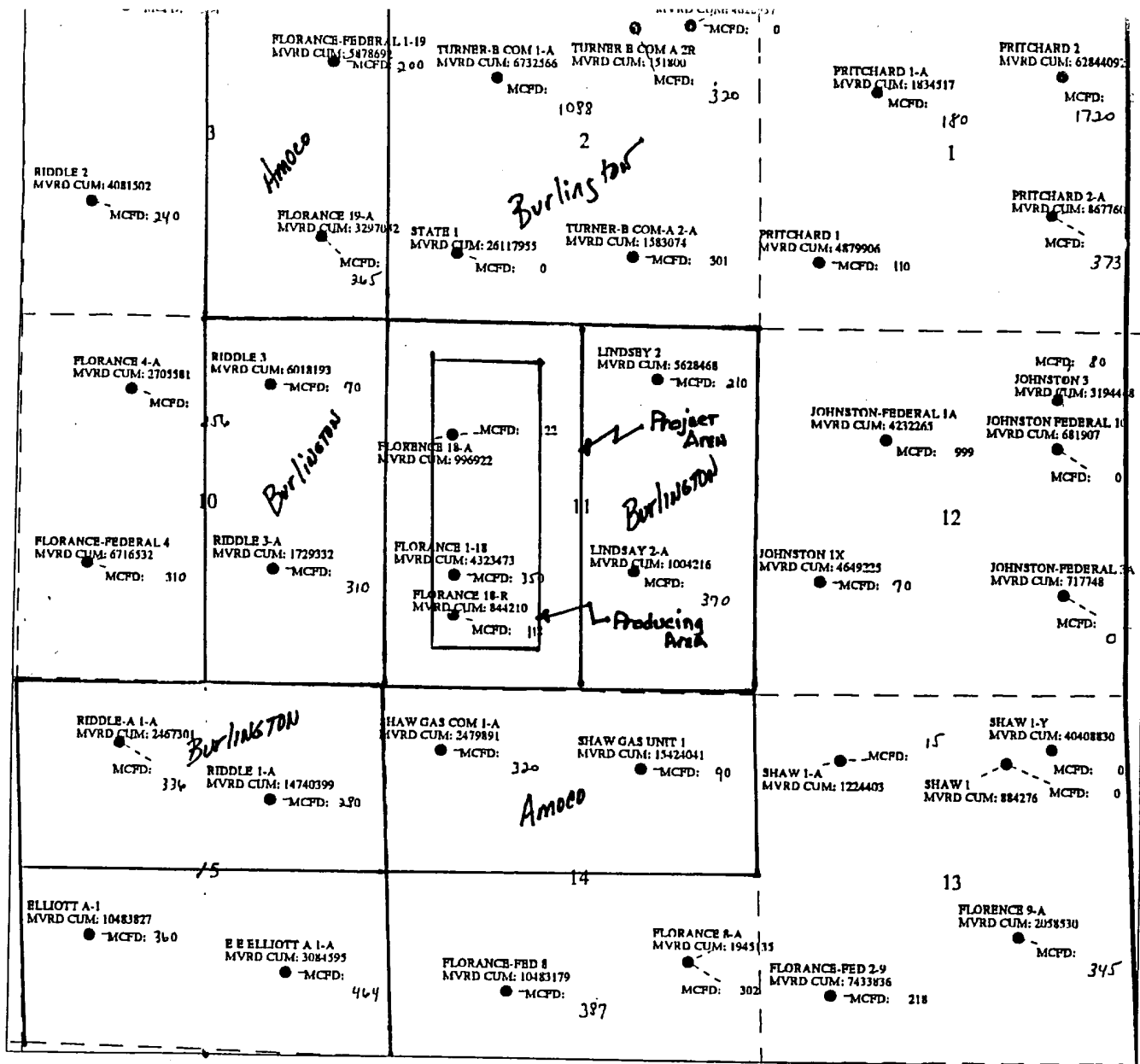
REASON FOR DEVIATION OR DIRECTIONAL DRILLING
DEVIATED TO ENCOUNTER NATURALLY FRACTURED FEATURE AT ORTHODOX LOCATION

KICKOFF POINT
4300'

DIRECTION TO BE DRILLED
NORTHEAST

TYPE CURVE
HIGH ANGLE

LATERAL DISTANCE FROM VERTICAL OR ORIGINAL WELLBORE
719' AT 52 DEGREES AT A TD OF APPROXIMATELY 5552'



R9W

R8W

AMOCO PRODUCTION COMPANY

Type of Map: Nine-Section Plat	
Series: MV	
Block(s)/Well(s):	
Area/Country: SAN JOSE BASIN, NEW MEXICO	Volume:
Interpreter(s):	Date: April 28, 1997
Scale: 1:27500	Contour Interval:
Remarks: SECTION MAP WITH CURRENT AND CUMULATIVE PRODUCTION OFFSET BY WELLS Sec. 11-1500 600	
File No.:	Draft by: R. Kuchinski

ENGINEERING CHART

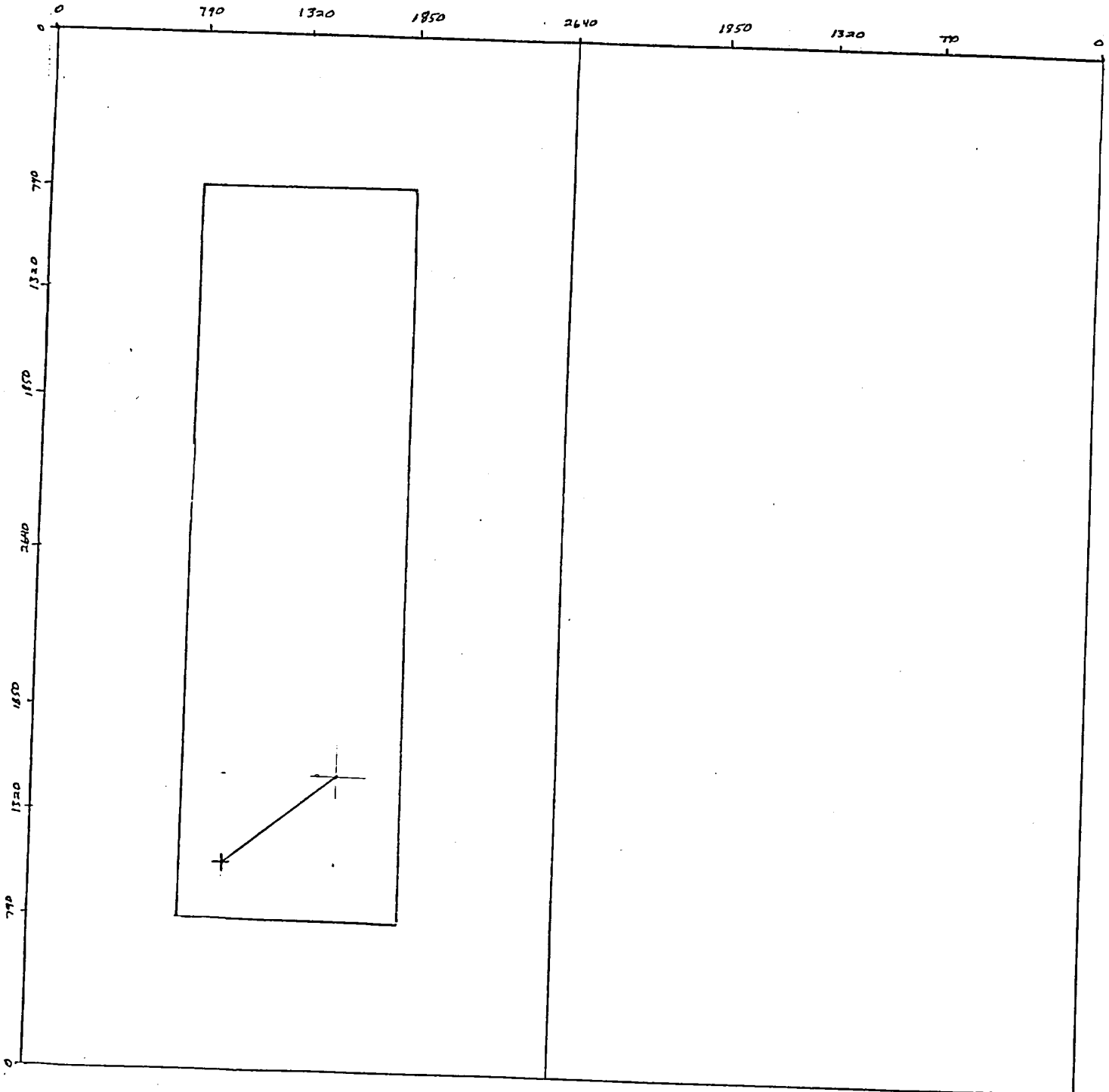
SUBJECT Florange 18 R - 3004525307

1060' FSL X 980' FWL 11-30N-9W

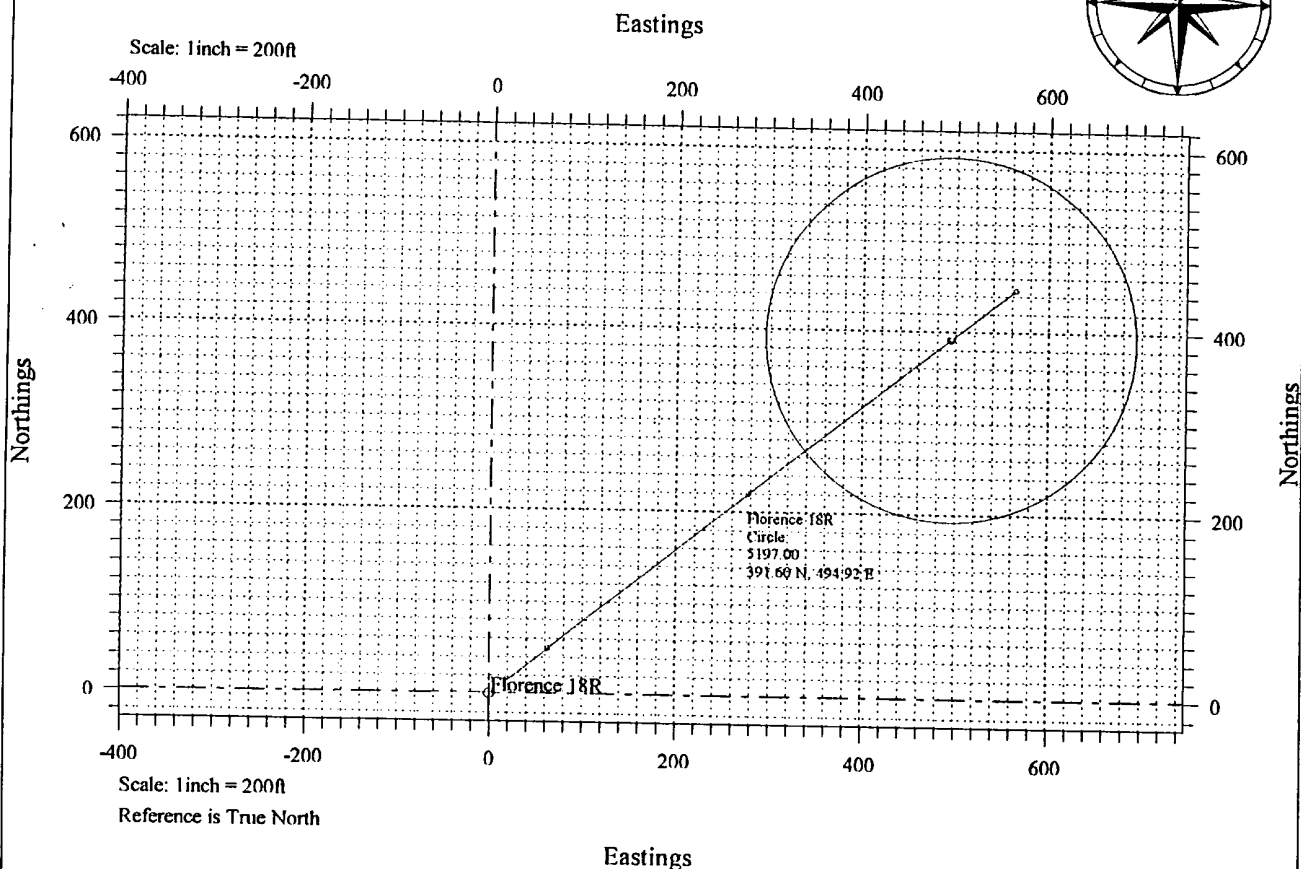
Appn _____

Date _____

By _____



Customer: Amoco Production Co.
Folder: Amoco Production Co.
Field: New Mexico
Project: Re-Entry Wells
Structure: Sec 11-T30N-R9W
Well: Florence 18R

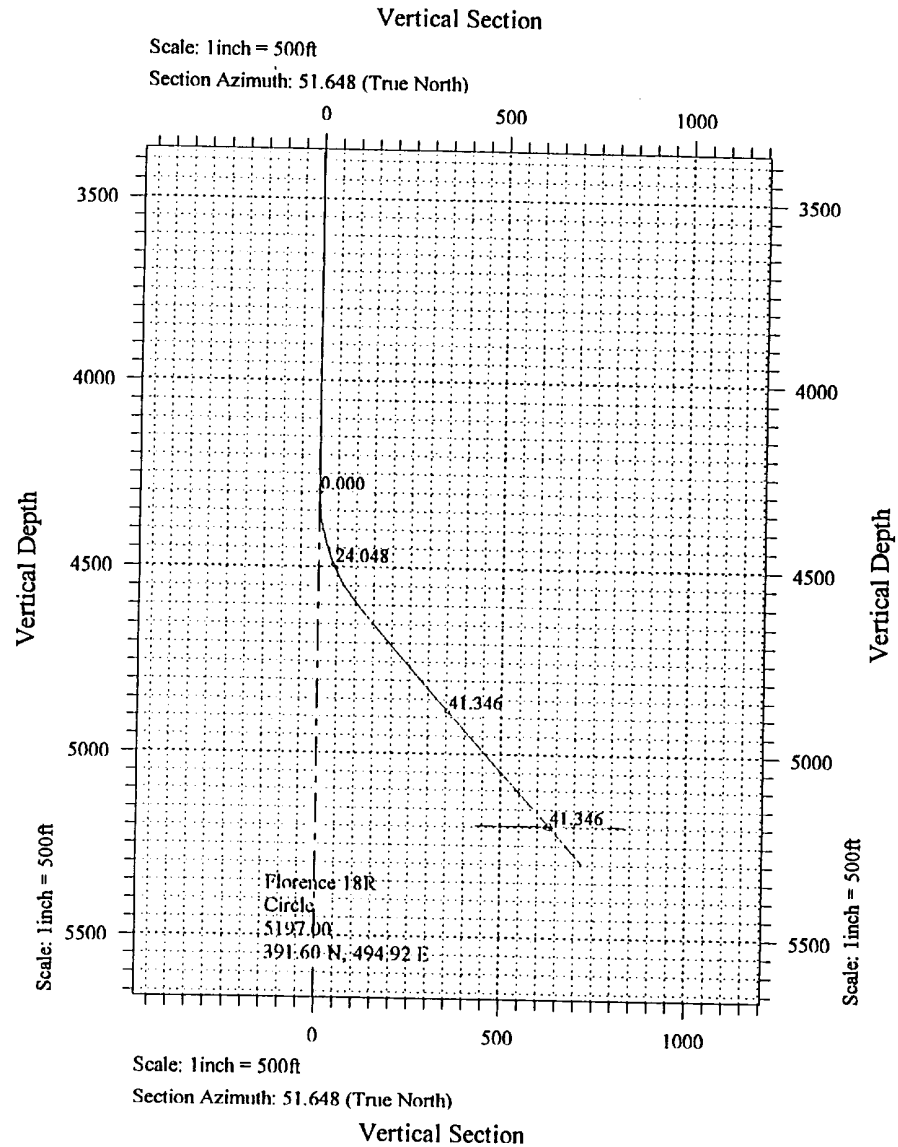


Prepared:

Checked:

Approved:

Customer: Amoco Production Co.
Folder: Amoco Production Co.
Field: New Mexico
Project: Re-Entry Wells
Structure: Sec 11-T30N-R9W
Well: Florence 18R



Prepared:	Checked:	Approved:
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Sperry-Sun Drilling Services

Proposal Report for Florence 18R - Alternate Florence 18R



Amoco Production Co.
New Mexico

Re-Entry Wells
Sec 11-T30N-R9W

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	
3100.00	0.000	0.000	3100.00	0.00 N	0.00 E	0.00	0.000
4300.00	0.000	0.000	4300.00	0.00 N	0.00 E	0.00	0.000
4643.86	41.346	51.648	4614.79	73.70 N	93.15 E	118.78	12.024
5419.40	41.346	51.648	5197.00	391.60 N	494.92 E	631.10	0.000
5552.60	41.346	51.648	5297.00	446.20 N	563.93 E	719.10	0.000

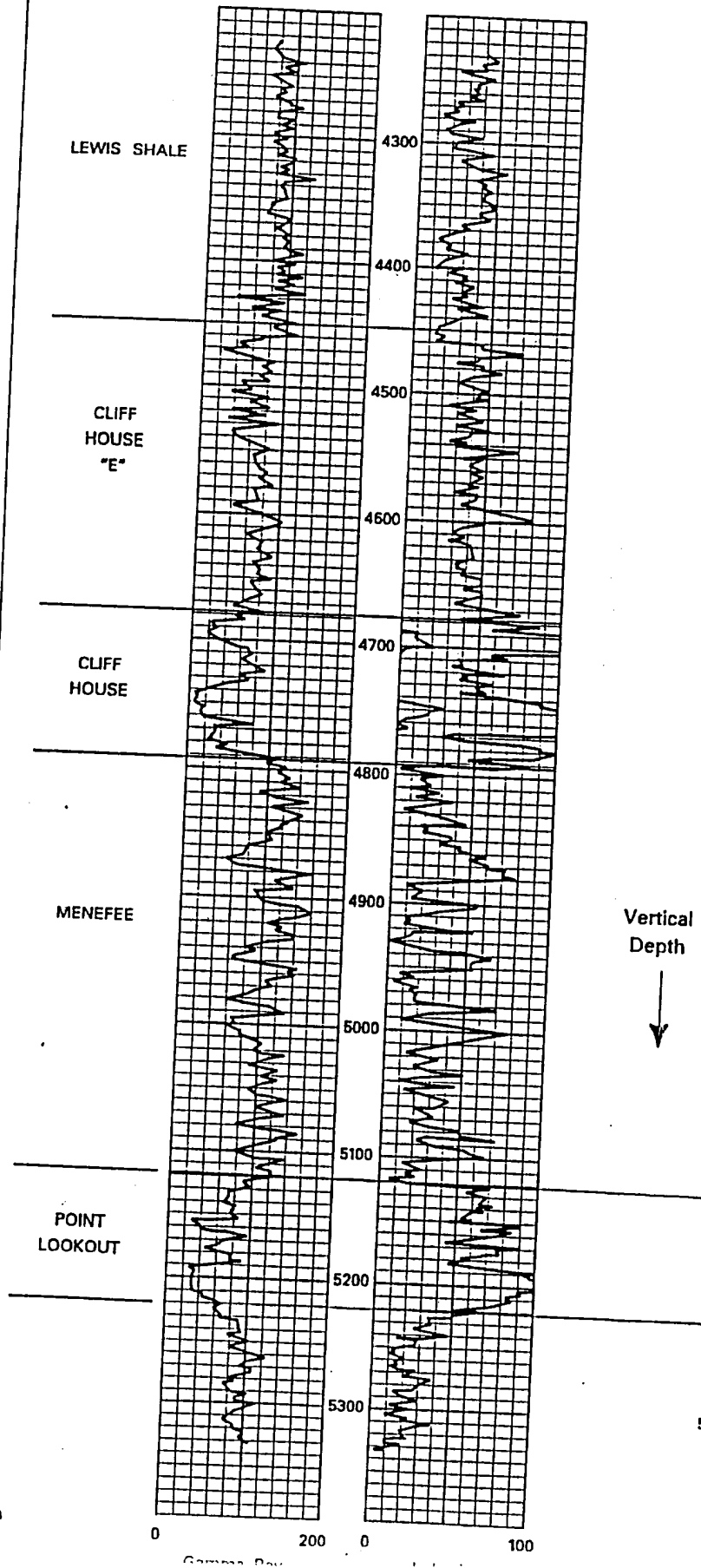
All data is in feet unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to Well. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100ft.

Vertical Section is from Well and calculated along an Azimuth of 51.648° (True).
Coordinate System is NM-W. Grid Convergence at Surface is 0.047°.

Based Upon Minimum Curvature type calculations, at a Measured Depth of 5552.60ft.,
The Bottom Hole Displacement is 719.10ft., in the Direction of 51.648° (True).

Typical M.V. Log
T32N, R10W
San Juan County, New Mexico



AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 82/03/13
 PROGRAM FILE: IGR (VERSION 20.2 81/05/10)

DITD	TOOL CHECK				UNITS
	BEFORE	ZERO AFTER	PLUS BEFORE	AFTER	
ILD	0.0	0.0	499.8	493.4	MMHO
ILM	0.0	0.0	500.0	491.4	MMHO
SFL	0.0	-0.0	500.0	498.5	MMHO

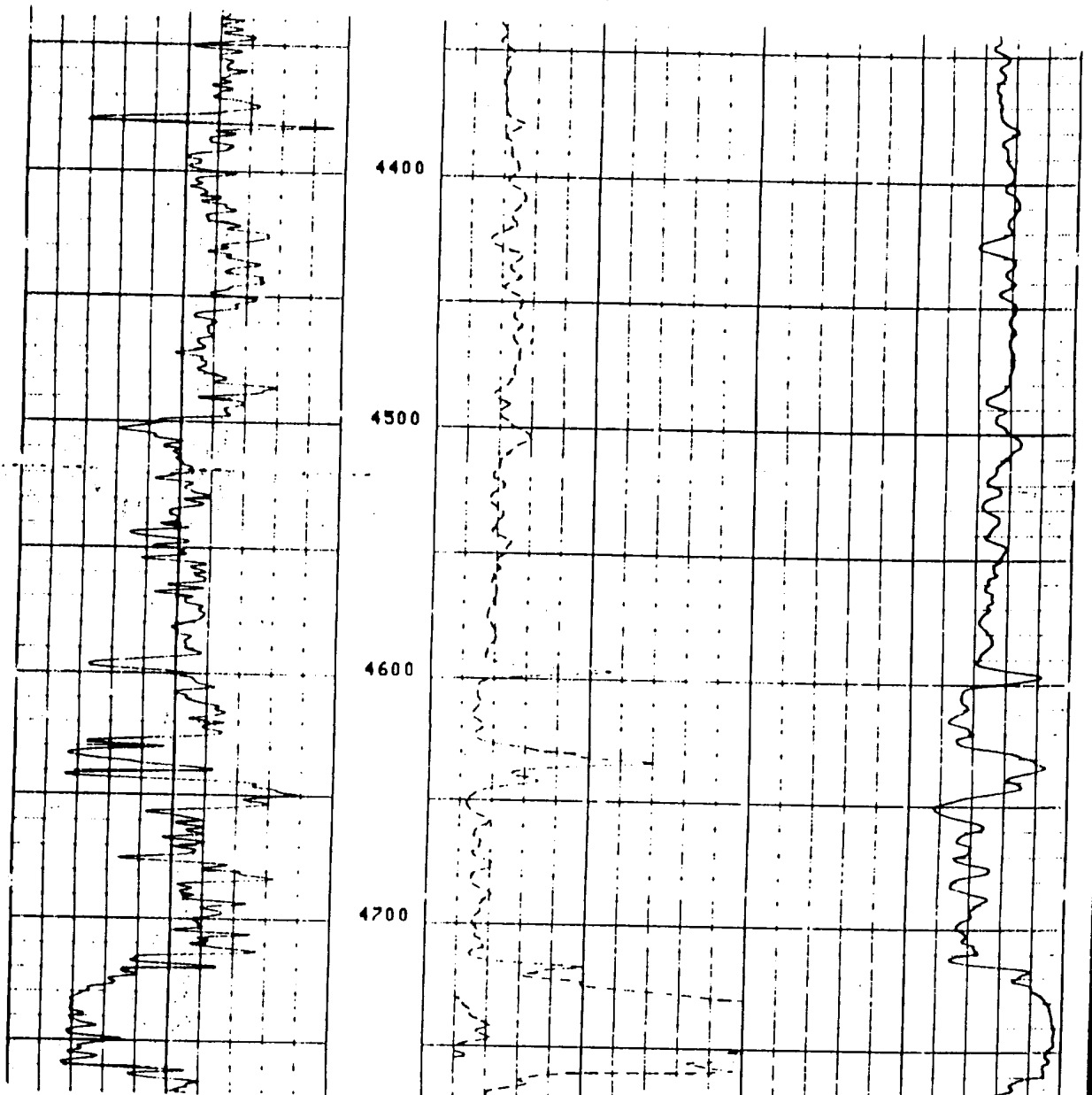
ILD SONDE ERROR CORRECTION : 8.3 MMHO
 ILM SONDE ERROR CORRECTION : 1.8 MMHO
 FILE

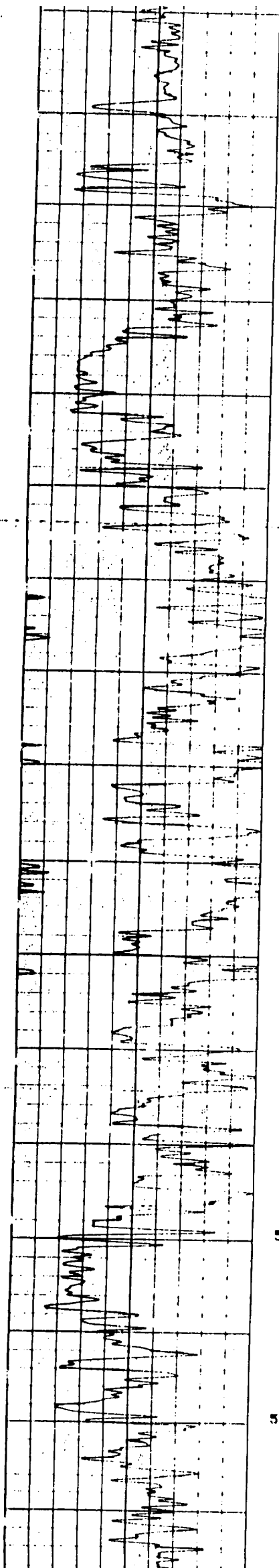
6

GR (GAPI)		ILD (QHMM)	
0.0	200.0	0.0	100.0
		CILD (MMHO)	
		100.0	0.0

FILE

3





4600

4700

4800

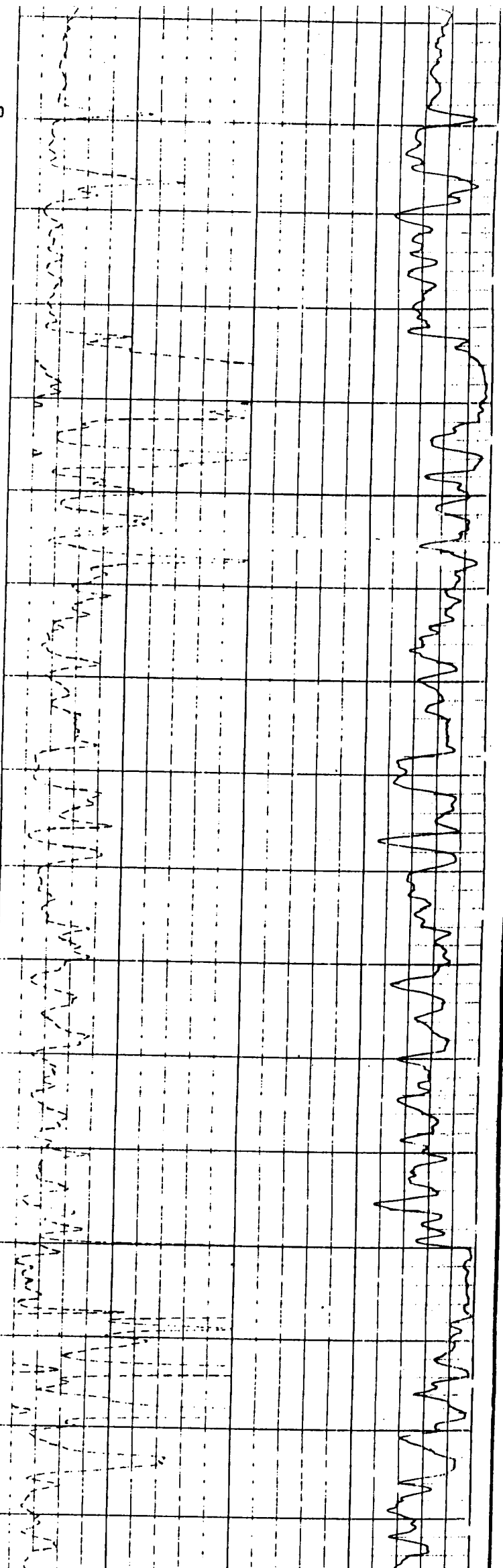
4900

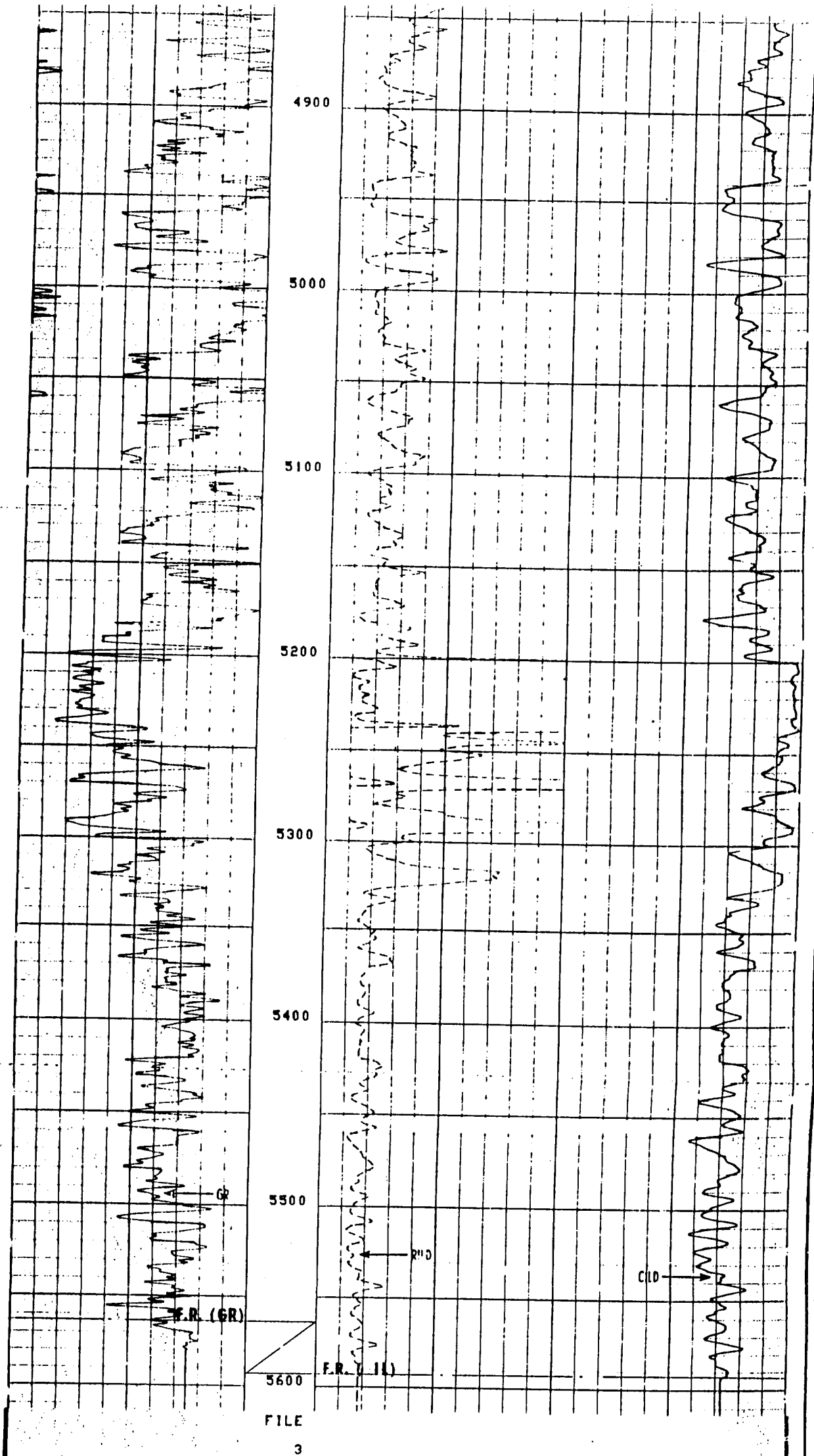
5000

5100

5200

5300





4900

5000

5100

5200

5300

5400

5500

5600

FILE

3

F.R. (GR)

F.R. (IL)

CID

0.0 ILD (DHMM) 100.0

FIL (MMH)

GR CAP

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

311 South First, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

STATE OF NEW MEXICO

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION2040 South Pacheco
Santa Fe, New Mexico 87505

Form G-102

Revised October 18, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 3004525307	Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 000518	Property Name Florance	Well Number 18R
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6191

Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT M	11	30N	9W		1660	SOUTH	980	WEST	San Juan

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
Dedicated Acreage:		Joint or Infill		Consolidation Code		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**

	OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature _____ Printed Name Pat Archuleta Position Staff Assistant Date _____			
	SURVEY CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</i> 10/05/1981			
	Date of Survey _____ Signature & Seal of Professional Surveyor Fred B. Kerr, Jr.			
	Certificate No. 3950			

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

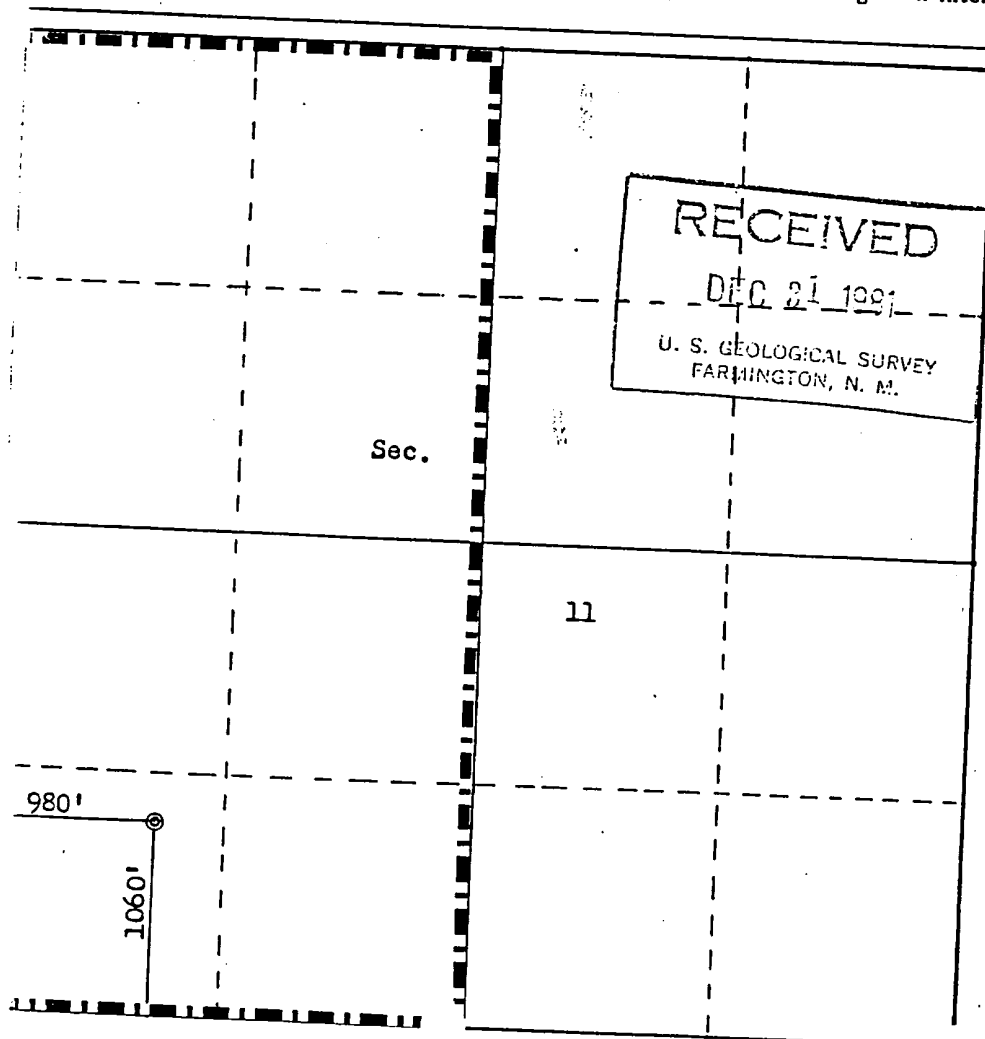
Operator TENNECO OIL COMPANY				Lease FLORANCE		Well No. 18R
Unit Letter M	Section 11	Township 30N	Range 9W	County San Juan		
Actual Footage Location of Well: 1060 feet from the South line and 980 feet from the West line						
Ground Level Elev. 6191	Producing Formation Mesaverde		Pool Und. Mesaverde	Dedicated Acreage: 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Scale: 1"=1000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<i>Don H. Harrison</i>
Position	Production Analyst
Company	Tenneco Oil Company
Date	10-13-81
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	October 5, 1981
Registered Professional Engineer and Land Surveyor	<i>Frederick B. Keen Jr.</i>
Certificate No.	3950