



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

**Application For Deviated Wellbore - Rule 111.C.  
Wallace Gas Com #1  
Unit H Section 35-T31N-R11W  
Blanco Mesaverde Pool  
San Juan County, New Mexico**

RECEIVED  
JUL 18 1997

OFFICE OF THE  
DIRECTOR  
NEW MEXICO

Amoco Production Company hereby requests administrative approval to enter the existing wellbore in the Wallace Gas Com #1 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 openhole 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. The main reason that we are directionally drilling this well is to ensure that we move west to stay at an orthodox bottomhole location. Currently the well is located at the farthest east point in the drilling window. We are requesting the Project Area for this well to be the Blanco Mesaverde gas proration unit consisting of N/2 Section 35-T31N-R11W 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  
Wellfile  
Proration Files

**DATA SUMMARY SHEET**

**WELLNAME**

**Wallace Gas Com #1**

**API**

**30-045-10150**

**LOCATION**

**Unit H Section 35-T31N-R11W**

**ACREAGE IN SPACING UNIT**

**N/2 SPACING UNIT - 320 ACRES**

**LOCATION FOOTAGES**

**1640 FNL X 790 FEL**

**STANDARD LOCATION?**

**YES**

**OTHER WELL(S) PRODUCING IN SPACING UNIT IN MESAVERDE POOL**

**NO**

**REASON FOR DEVIATION OR DIRECTIONAL DRILLING**

**SIDETRACK TO GET AWAY FROM DAMAGED WELLBORE AND INTERCEPT NATURAL FRACTURES. SINCE CURRENT BOTTOMHOLE LOCATION IS AT THE FURTHEST POINT IN THE DRILLING WINDOW (790 FEL) IT IS OUR INTENT TO DEVIATE THIS WELLBORE ONLY TO ENSURE BEING AT AN ORTHODOX BOTTOMHOLE LOCATION**

**KICKOFF POINT**

**3500'**

**DIRECTION TO BE DRILLED**

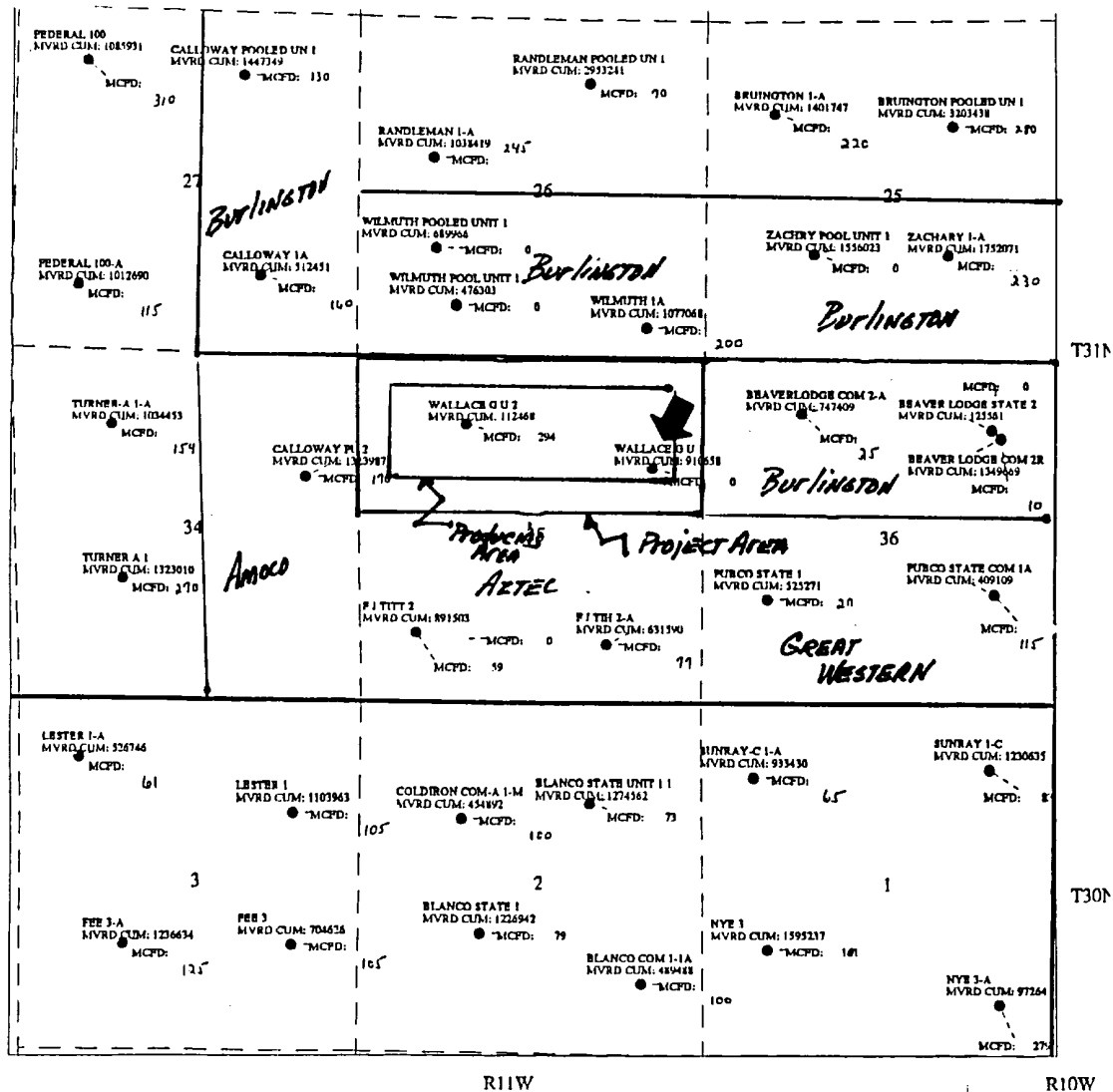
**WEST**

**TYPE CURVE**

**HIGH ANGLE**

**LATERAL DISTANCE FROM VERTICAL OR ORIGINAL WELLBORE**

**ESTIMATE 766' AT 270 DEGREES TO STAY AT AN ORTHODOX BOTTOMHOLE LOCATION**



## AMOCO PRODUCTION COMPANY

Type of Map: <b>Nine-Section Plat</b>	
Mailing: <b>MV</b>	
State(s)/Locality:	
County: <b>SAN JUAN</b>	Section: <b>11</b>
Interpretation(s):	Date: <b>April 18, 1987</b>
Scale: <b>1:25000</b>	Custom Interval:
PURPOSE: SECTION MAP WITH CUMULATIVE AND BLANKING PRODUCTION STATE OF NEW MEXICO Sec. 11, T31N, R11W	
File No.:	Drawn by: <b>E. Karmali</b>

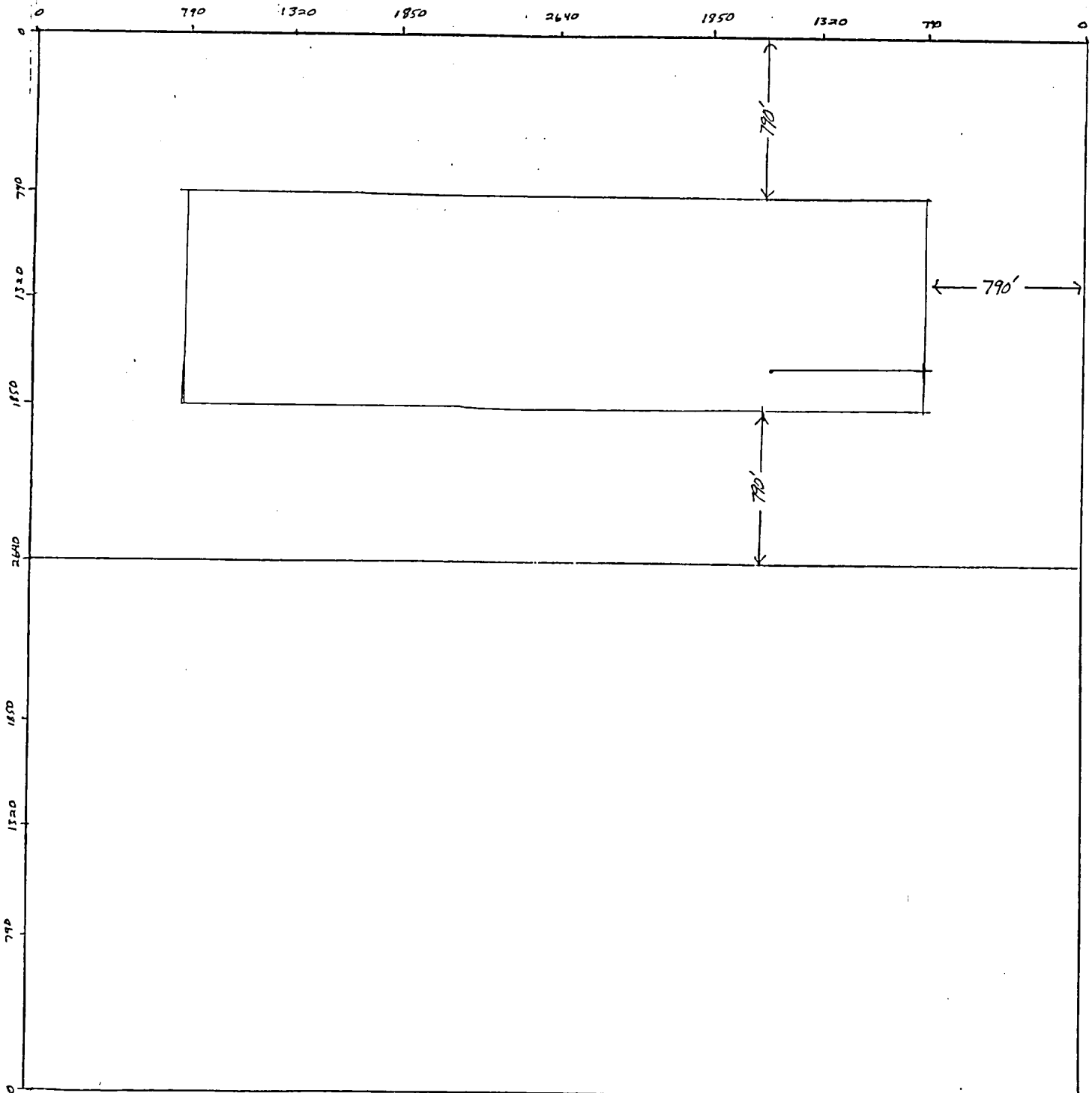
**OFFSET OPERATOR LIST**

Wallace Gas Com #1

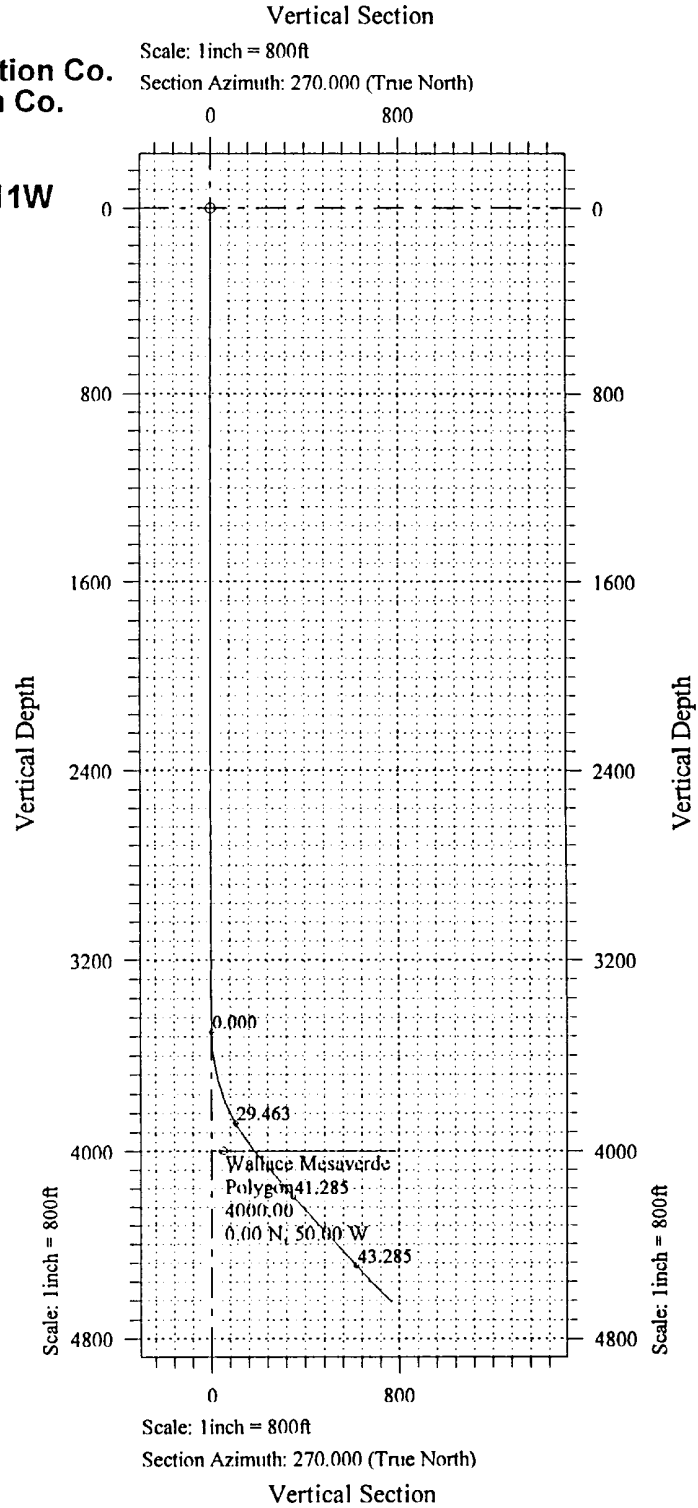
Burlington Resources Oil and Gas Co.  
P.O. Box 4289  
Farmington, NM 87499

Aztec Oil and Gas Corporation  
6658 Village Drive  
Casper, Wyoming 82604-3606

Great Western Drilling Company  
P.O. Box 1659  
Midland, Texas 79702

SUBJECT Wallace Gas Com 1 - 30045101501640' FNL x 790' FEL SECTION 35-31N-11W

**Customer: Amoco Production Co.**  
**Folder: Amoco Production Co.**  
**Field: New Mexico**  
**Project: Re-Entry Wells**  
**Structure: Sec 35-T31N-R11W**  
**Well: Wallace Gas Com 1**



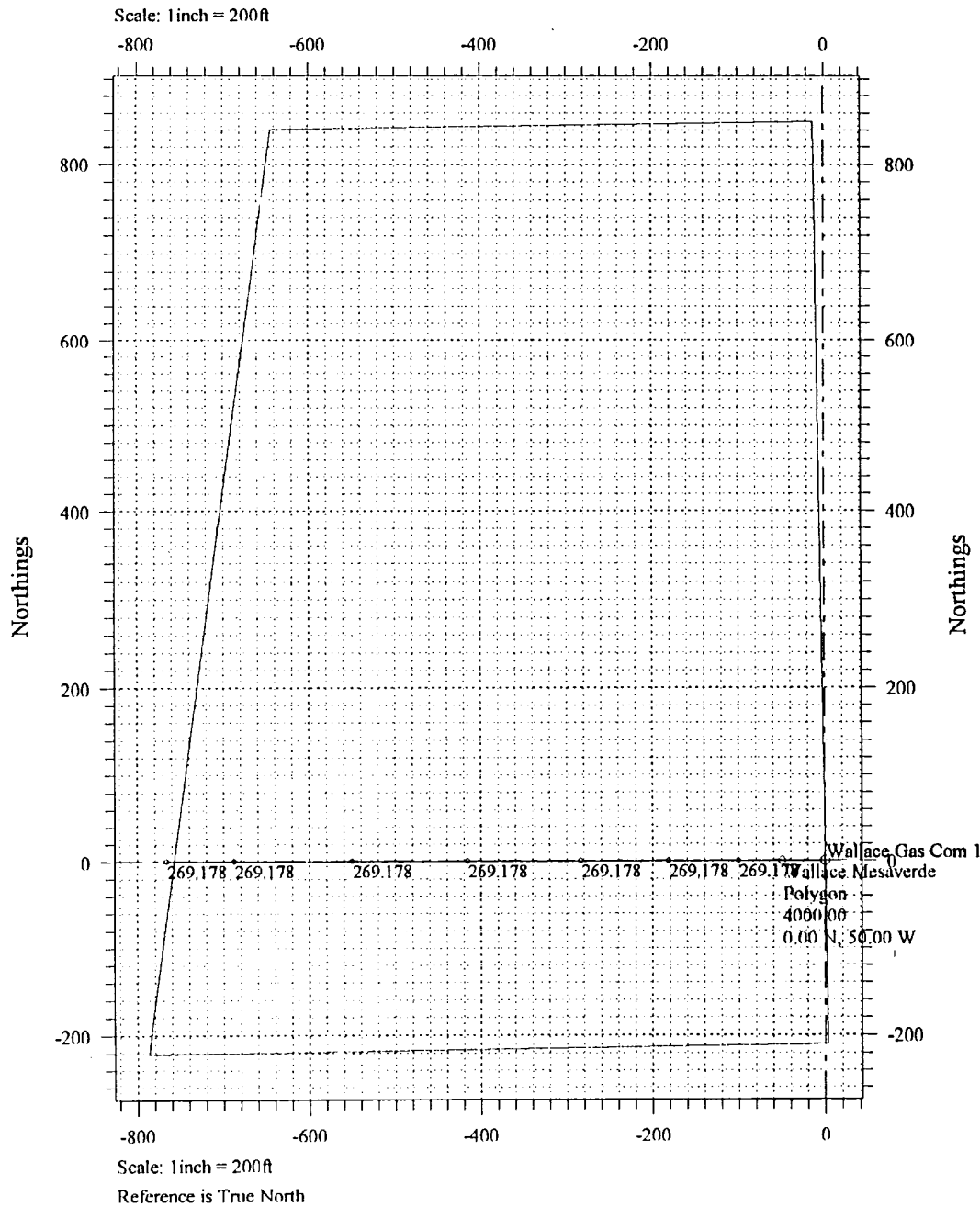
Prepared:

Checked:

Approved:

**Customer: Amoco Production Co.**  
**Folder: Amoco Production Co.**  
**Field: New Mexico**  
**Project: Re-Entry Wells**  
**Structure: Sec 35-T31N-R11W**  
**Well: Wallace Gas Com 1**

Eastings



Eastings

Prepared:

Checked:

Approved:

# Sperry-Sun Drilling Services

## Proposal Report for Wallace Gas Com 1 - Re-Entry Well



Amoco Production Co.  
New Mexico

Re-Entry Wells  
Sec 35-T31N-R11W

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	
3500.00	0.000	0.000	3500.00	0.00 N	0.00 E	0.00	0.000
4043.05	40.000	270.000	4000.00	0.00 N	181.99 W	181.99	7.366
4913.61	44.353	270.000	4645.00	0.00 N	766.35 W	766.35	0.500

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

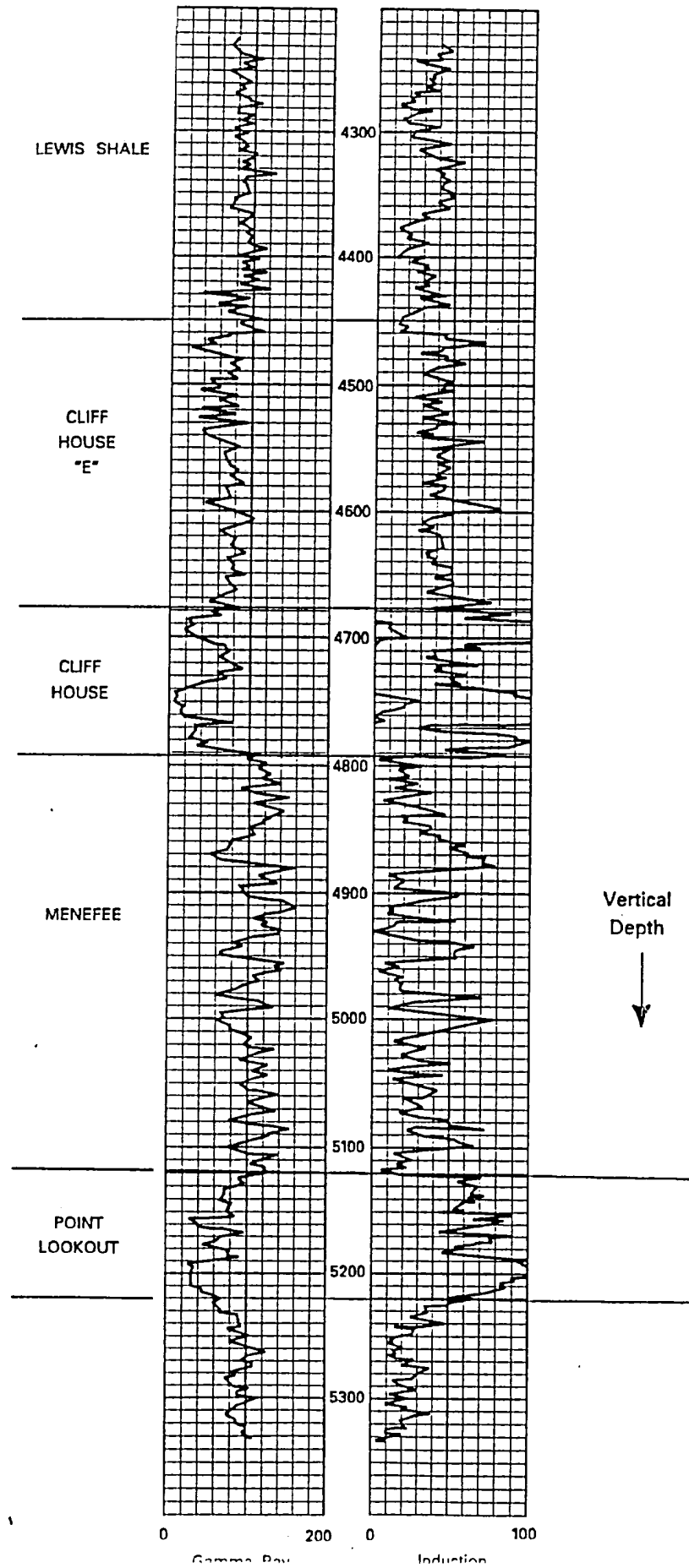
The Dogleg Severity is in Degrees per 100ft.

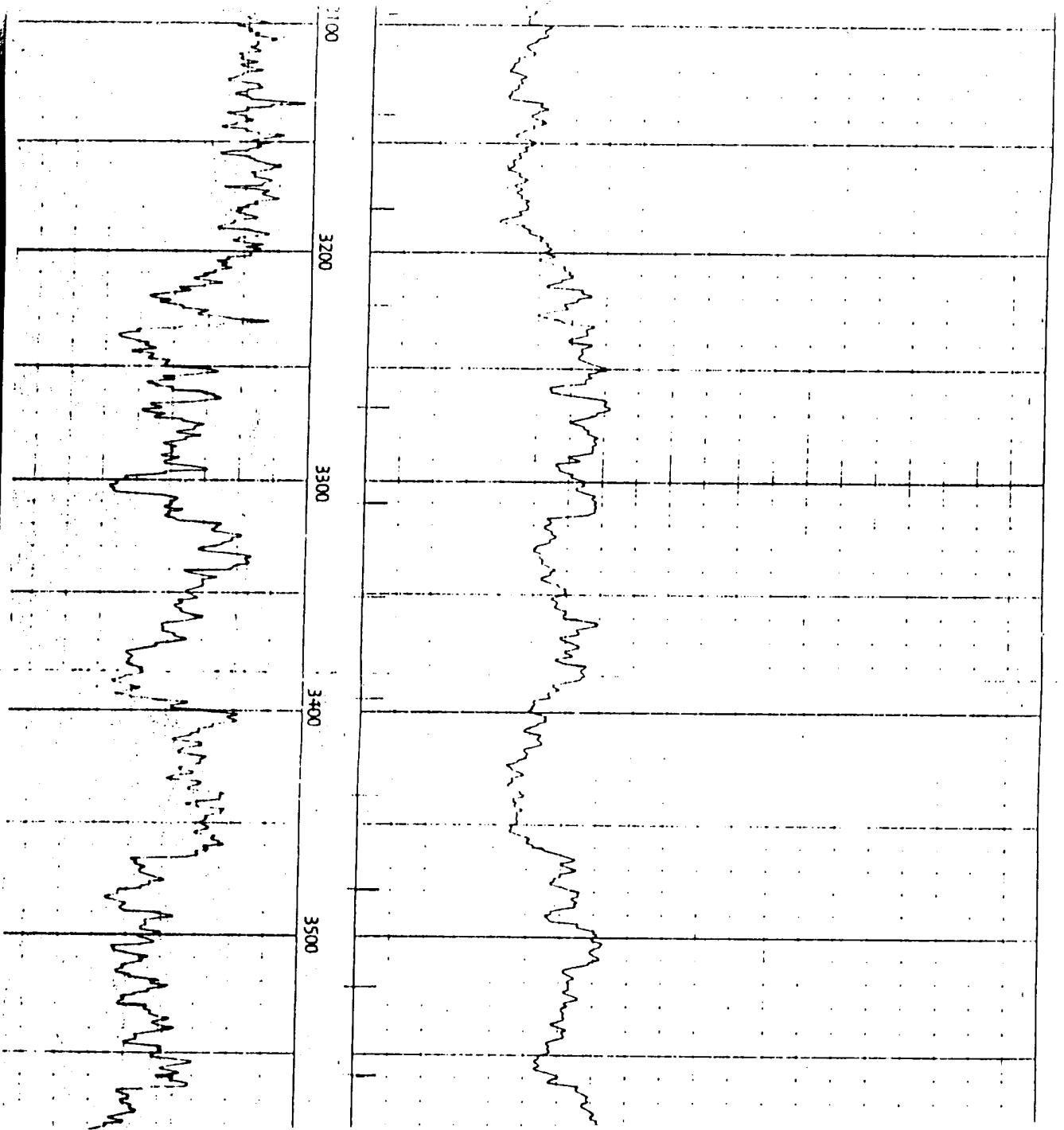
Vertical Section is from Well and calculated along an Azimuth of 270.000° (True).

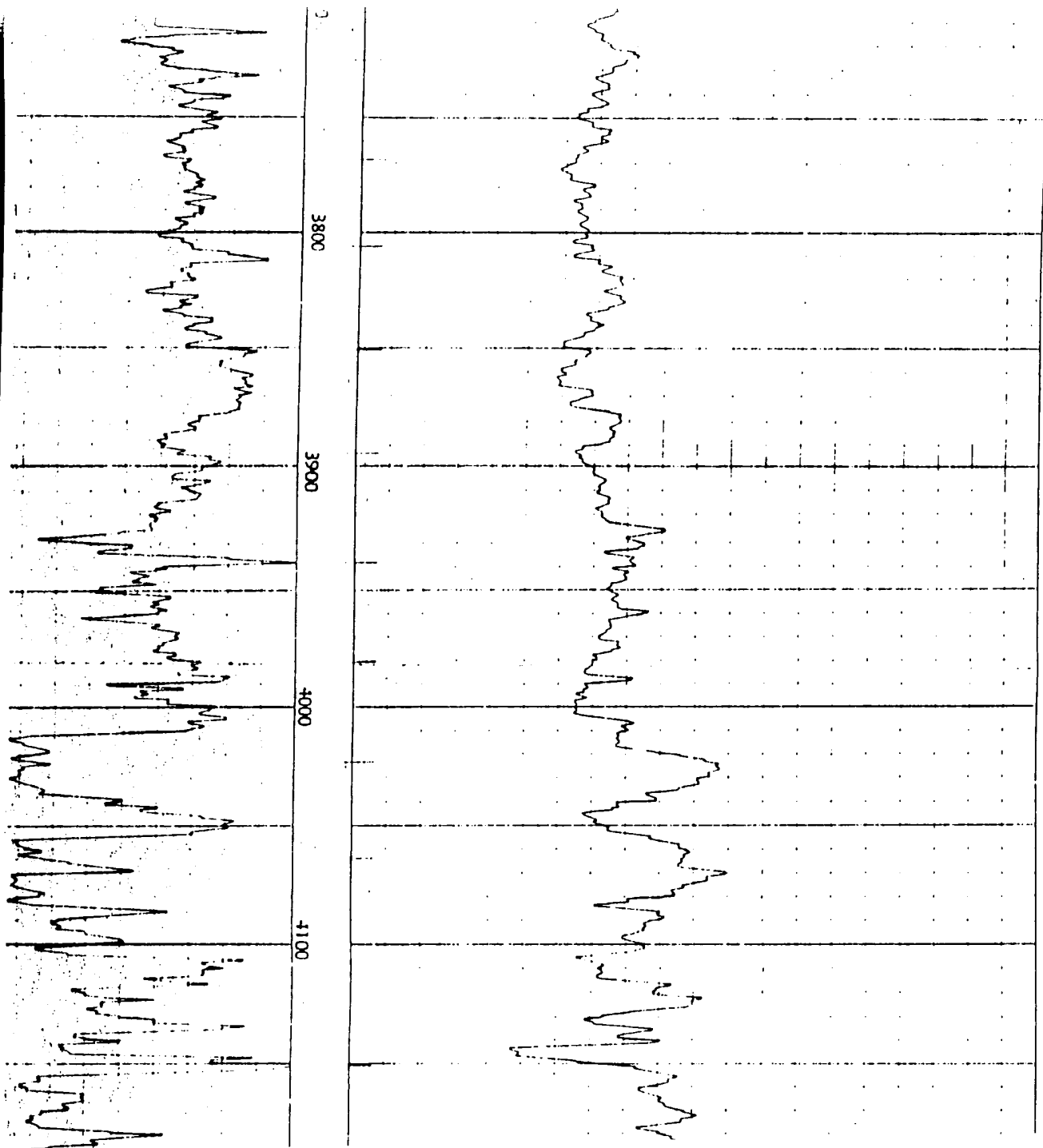
Coordinate System is NM-W. Grid Convergence at Surface is -0.822°.

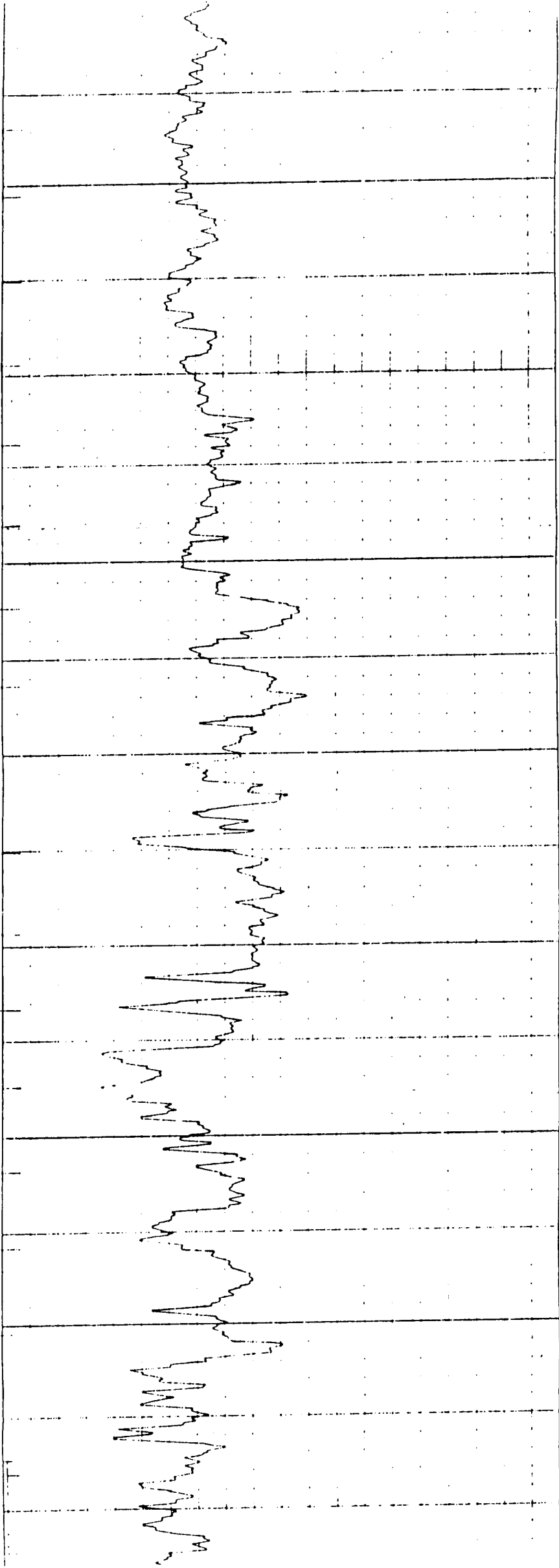
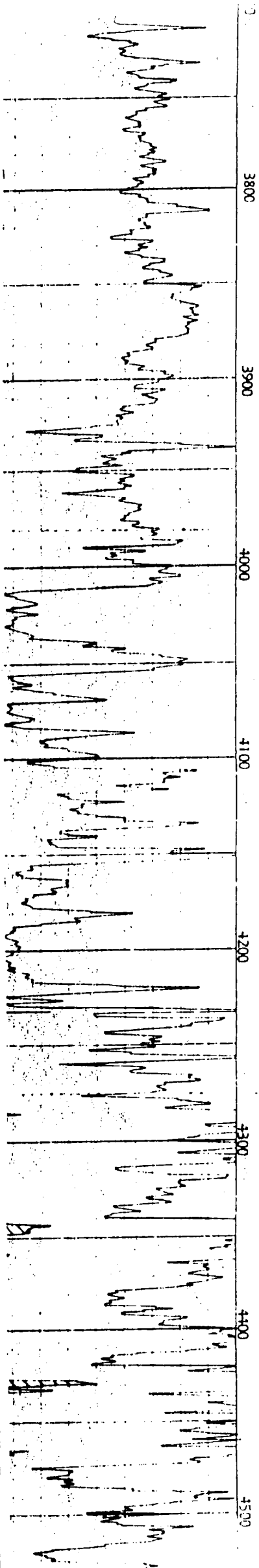
Based Upon Minimum Curvature type calculations, at a Measured Depth of 4913.61ft.,  
The Bottom Hole Displacement is 766.35ft., in the Direction of 270.000° (True).

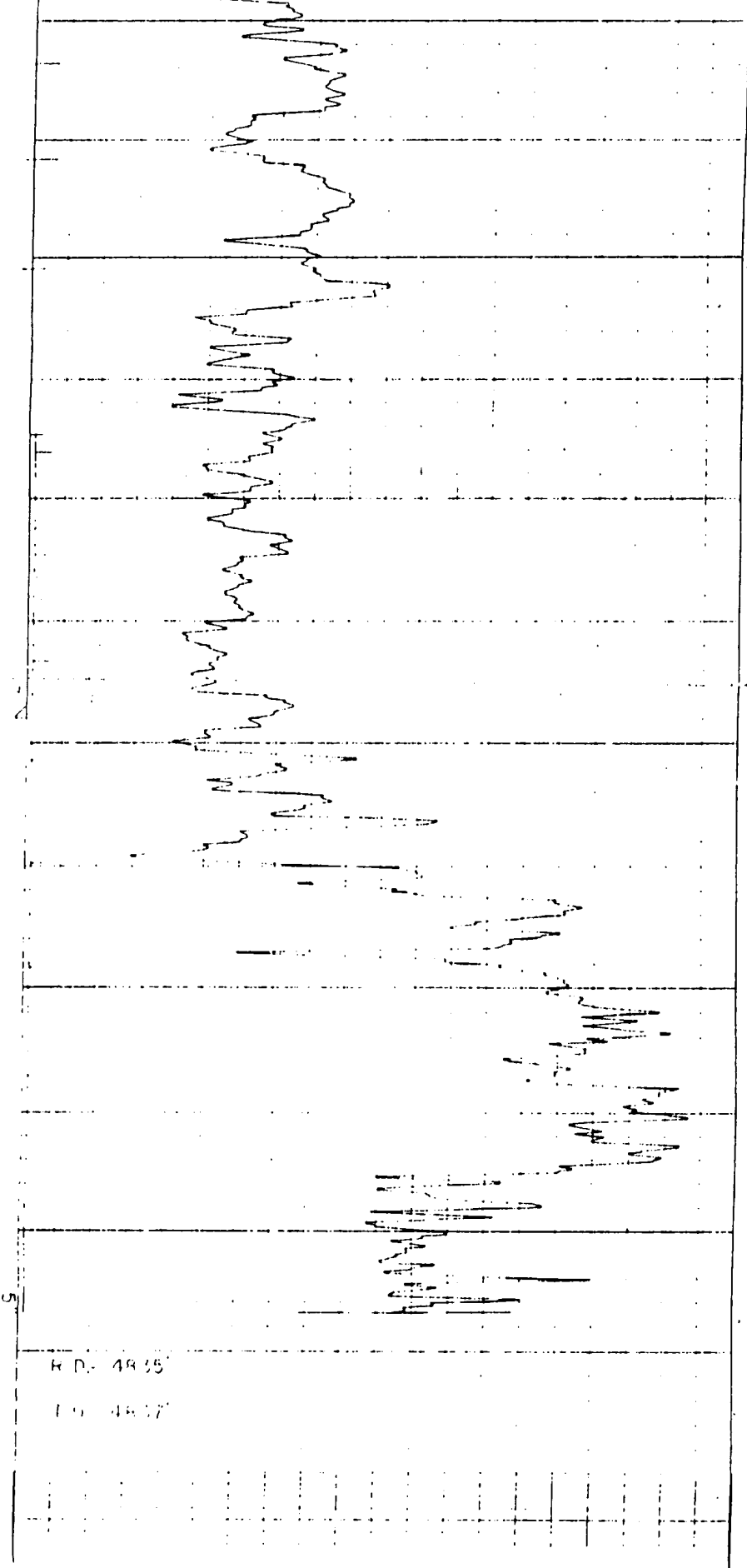
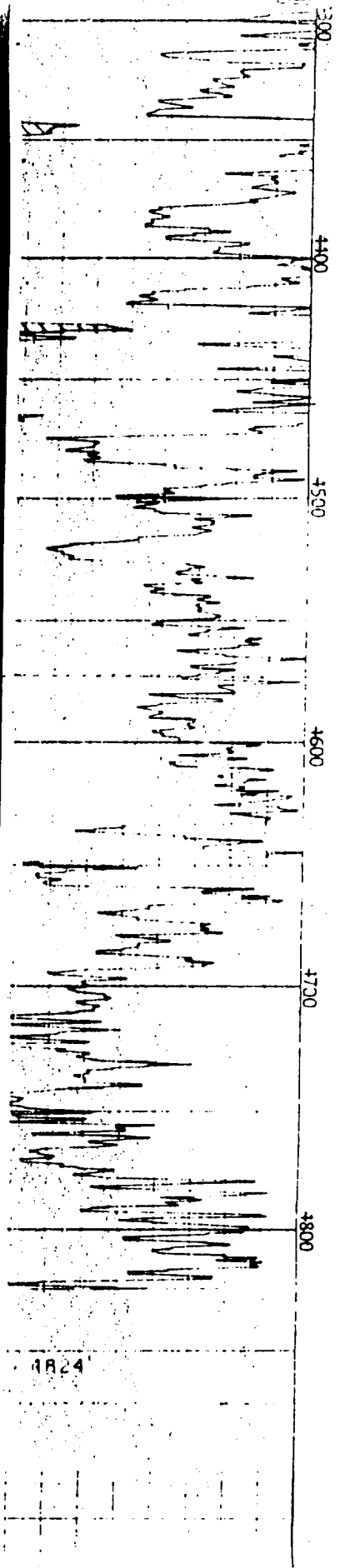
Typical M.V. Log  
T32N, R10W  
San Juan County, New Mexico











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 DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87505

Form C-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 3004510150	Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 001208	Property Name Wallace Gas Com	Well Number 1
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 1640

## 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 H	35	31N	11W		1640	NORTH	790	EAST	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

	<b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Printed Name Pat Archuleta Position Staff Assistant Date
	<b>SURVEY CERTIFICATION</b> 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. <div style="border: 1px solid black; padding: 5px; text-align: center;">02/15/1957</div> Date of Survey
	Signature & Seal of Professional Surveyor <div style="border: 1px solid black; padding: 5px; text-align: center;">James P. Leese</div>
	Certificate No. 1463

NEW MEXICO  
OIL CONSERVATION COMMISSION

Form C-128

WELL LOCATION AND/OR GAS PRORATION PLAT

DATE February 22, 1957

OPERATOR PAN AMERICAN PETROLEUM CORP. LEASE WALLACE GAS UNIT

WELL NO. 1 SECTION 35 TOWNSHIP 31 NORTH RANGE 11 WEST NMPM

LOCATED 1640 FEET FROM the NORTH LINE 790 FEET FROM the EAST LINE

SAN JUAN

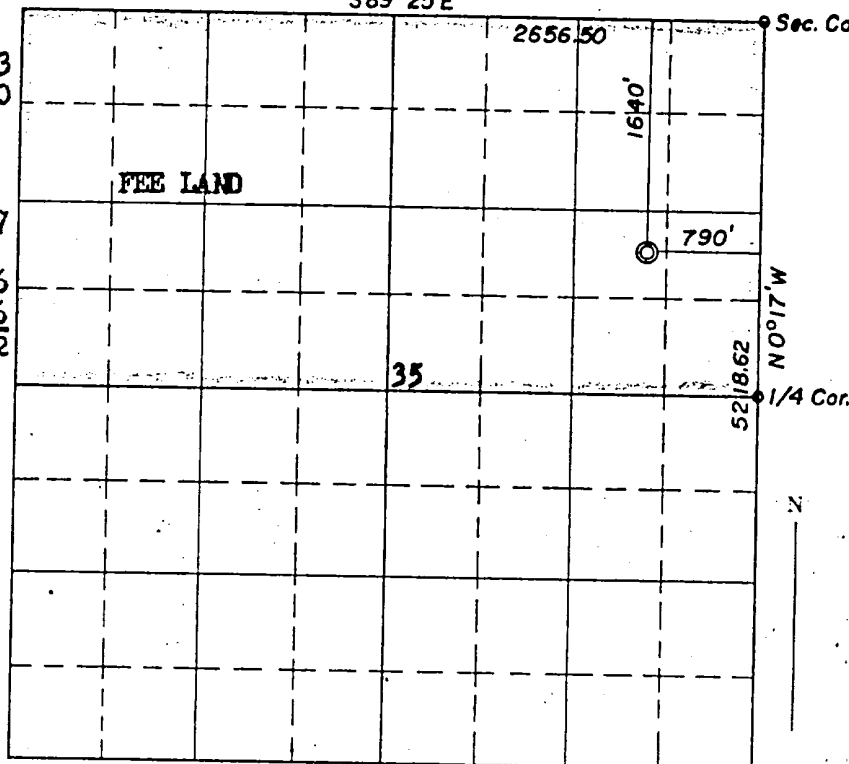
COUNTY, NEW MEXICO G.L. ELEVATION to be reported later

NAME OF PRODUCING FORMATION Mesaverde POOL Blanco-Mesaverde DEDICATED ACREAGE 319.82

Acres

Note: All distances must be from outer boundaries of section.  
S89°25'E

Robert M. Stinson-10  
Charlie Riecke 36.23  
Clyde R. Wallace 81.60  
Marian F. Hill 30  
Carl G. Calloway 14  
Jesse E. Mock 20  
Melba Uptegrove 8.97  
Eleni Saline 80  
Geo. F. Bruington 30.76  
L. P. Carr 8.26  
319.82



Scale 4 inches equal 1 mile

NOTE

This section of form is to be used for gas wells only

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

Date Surveyed 15 FEBRUARY 1957

James P. Lese  
Registered Professional Engineer and/or Land Surveyor  
JAMES P. LESE  
N. MEX. REG. NO. 1463

1. Is this well a Dual Comp.

Yes \_\_\_\_\_ No X

2. If the answer to Question 1

is yes, are there any other dually completed wells within the dedicated acreage.

Yes \_\_\_\_\_ No \_\_\_\_\_

Name R. M. Bauer, Jr.

Position Field Engineer

Pan American Petroleum Corporation  
Representing \_\_\_\_\_

Box 487, Farmington, New Mexico