



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.
Schwerdtfeger LS #2A
Unit E Section 27-T31N-R9W
Blanco Mesaverde Pool
San Juan County, New Mexico**

Amoco Production Company hereby requests administrative approval to enter the existing wellbore in the Schwerdtfeger LS #2A well referenced above and directionally drill the well in the Blanco Mesaverde Pool. The well is currently completed as a shut-in 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. We are requesting the Project Area for this well to be the Blanco Mesaverde gas proration unit consisting of the N/2 Section 27, T31N-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

DATA SUMMARY SHEET

WELLNAME

Schwerdtfeger LS #2A

API

3004522425

LOCATION

Unit E Section 27-T31N-R9W

ACREAGE IN SPACING UNIT

3314.53 Acres N/2

LOCATION FOOTAGES

1557 FNL x 1050 FWL

STANDARD LOCATION?

YES

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

Schwerdtfeger LS #2 (3004510343) (UNIT g)

REASON FOR DEVIATION OR DIRECTIONAL DRILLING

DEVIATED TO ENCOUNTER FRACTURED FEATURE AT ORTHODOX LOCATION

KICKOFF POINT

4900'

DIRECTION TO BE DRILLED

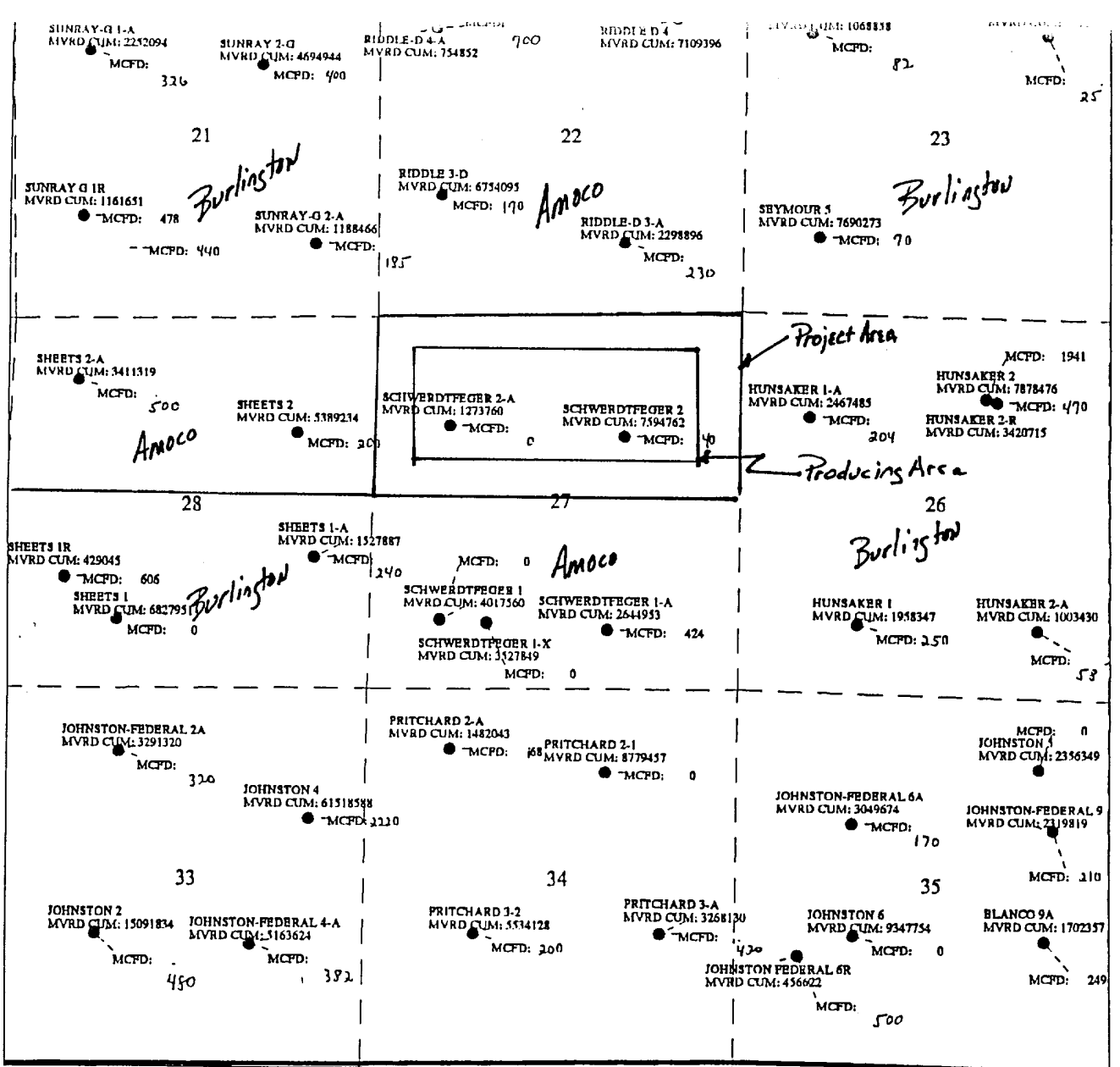
NORTHWEST

TYPE CURVE

HIGH ANGLE

LATERAL DISTANCE FROM VERTICAL OR ORIGINAL WELLBORE

296' AT 315 DEGREES AT A TD OF APPROXIMATELY 5535'



R9W

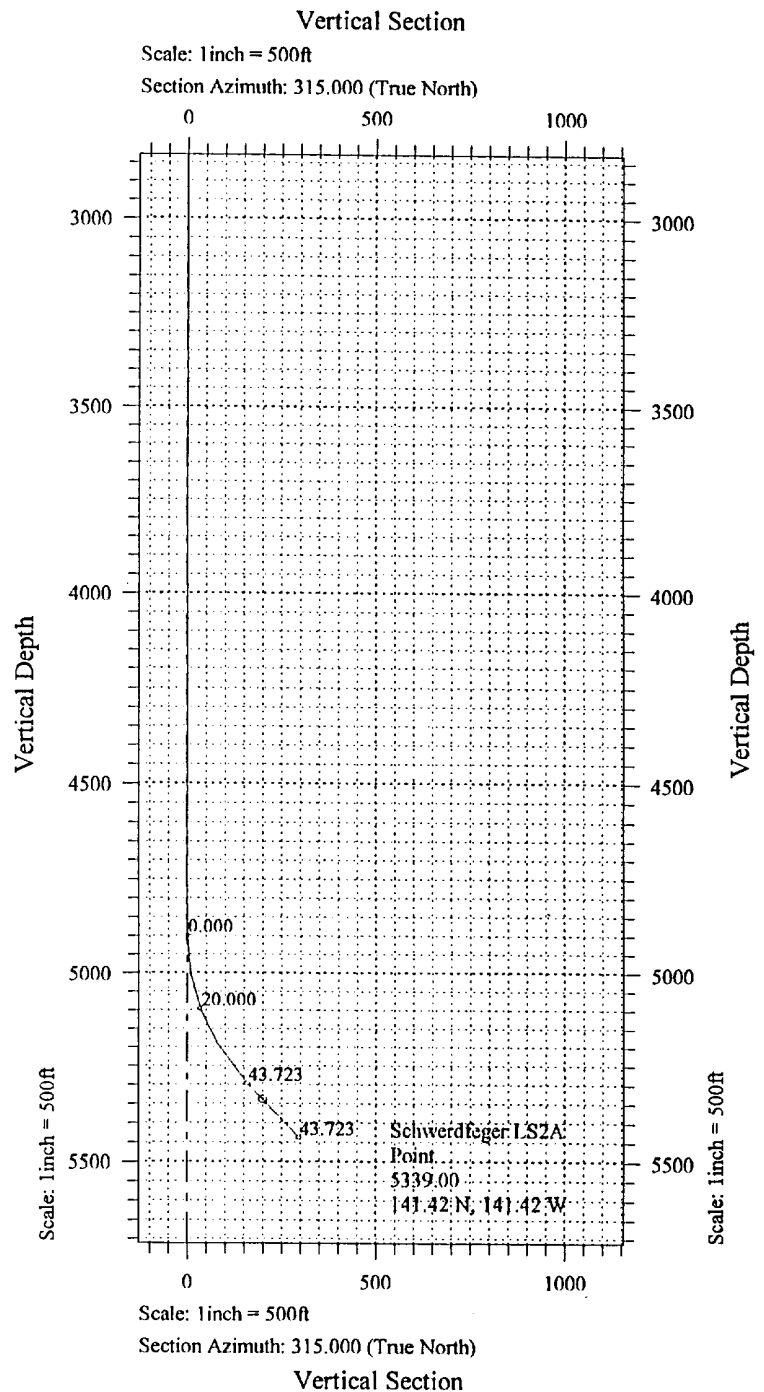
AMOCO PRODUCTION COMPANY

Type of Map:	Nine-Section Plat		
Mapline:	MV		
Block(s)/Well(s):			
Area/Country:	SAN JUAN BASIN, NEW MEXICO	License:	
Interpreter(s):	Date: April 28, 1997		
Scale = 1:27000	Contour Interval:		
Remarks:	SECTION MAP WITH CURRENT AND CUMULATIVE PRODUCTION OFFSET BY WELLS Sec. 27-3118-R20		
File File No.:	Drawn by: R. Kachwalski		

OFFSET OPERATOR LIST
Schwerdtfeger LS #2A

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

Customer: Amoco Production Co.
Folder: Amoco Production Co.
Field: New Mexico
Project: Re-Entry Wells
Structure: Sec 27-T31N-R9W
Well: Schwerdtfeger LS2A

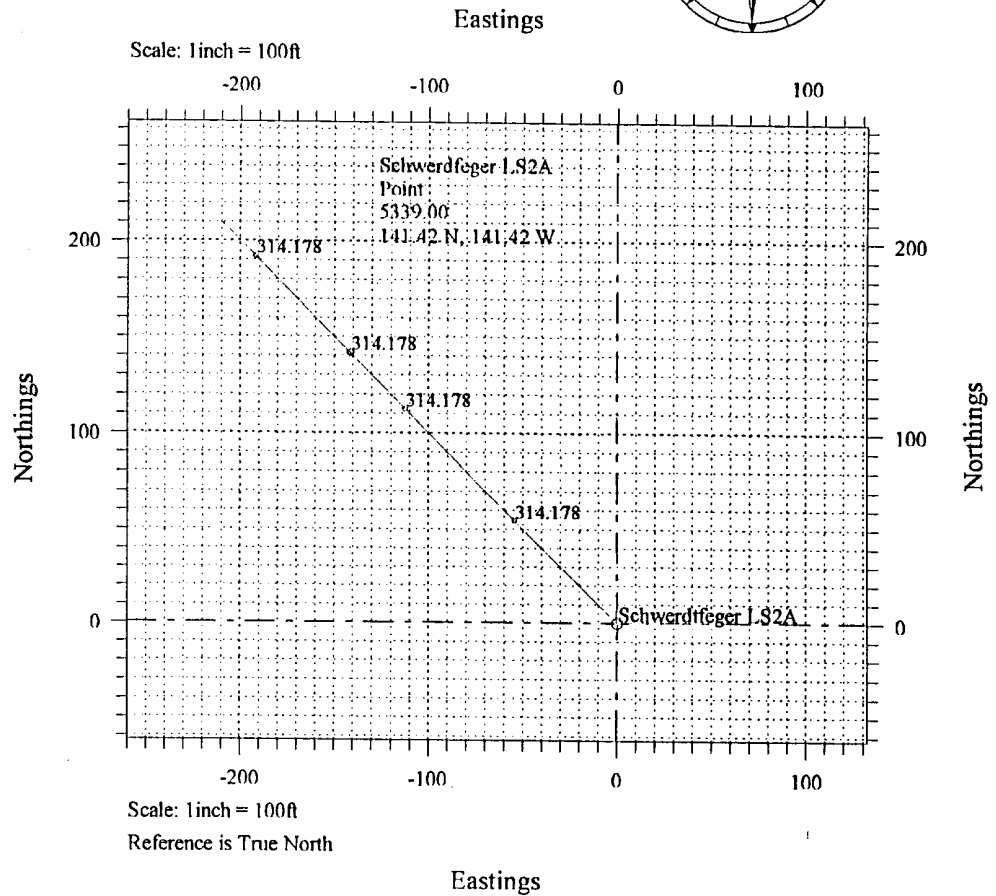


Prepared:

Checked:

Approved:

Customer: Amoco Production Co.
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 Structure: Sec 27-T31N-R9W
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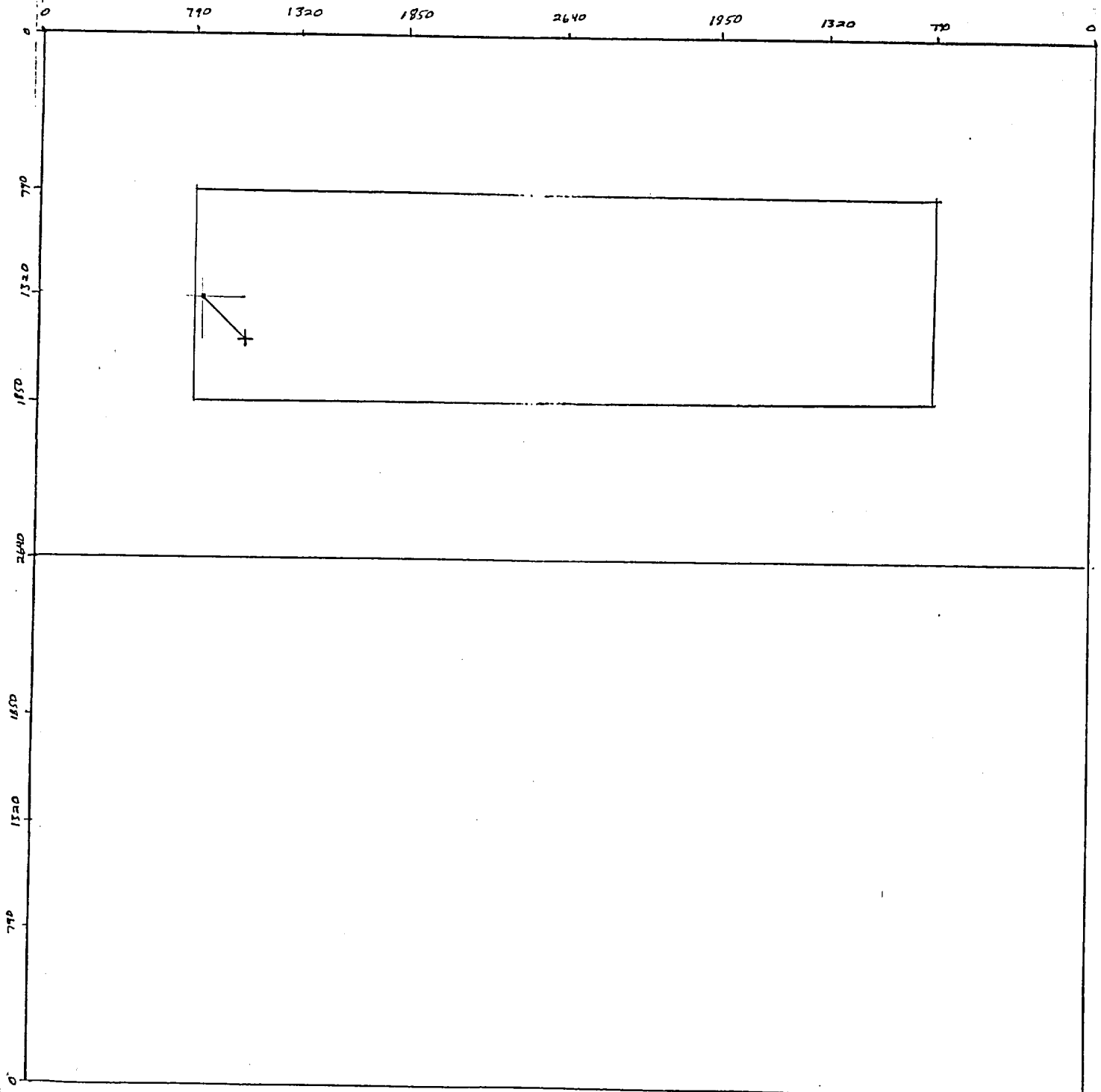
Prepared:	Checked:	Approved:
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SUBJECT Schwerdtfeger LS 2 A - 3004522425
1557' FNL x 1050' FWL 27-31N-9W

Appn _____

Date _____

By _____



Sperry-Sun Drilling Services

Proposal Report for Schwerdtfeger LS2A - Alternate Schwerdtfeger LS2A



**Amoco Production Co.
New Mexico**

**Re-Entry Wells
Sec 27-T31N-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	
2500.00	0.000	0.000	2500.00	0.00 N	0.00 E	0.00	0.000
4900.00	0.000	0.000	4900.00	0.00 N	0.00 E	0.00	0.000
5337.23	43.723	315.000	5296.01	112.35 N	112.35 W	158.89	10.000
5396.71	43.723	315.000	5339.00	141.42 N	141.42 W	200.00	0.000
5535.09	43.723	315.000	5439.00	209.05 N	209.05 W	295.64	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.

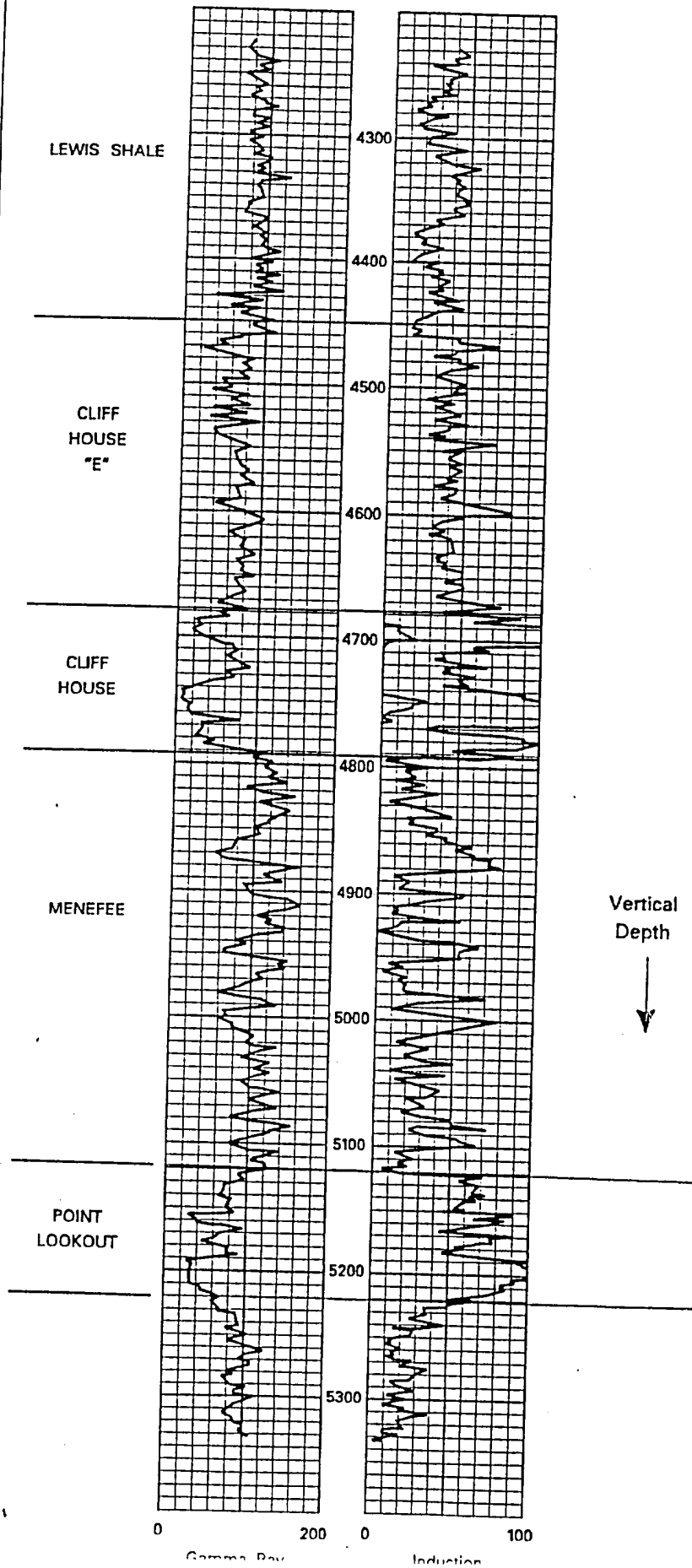
The Dogleg Severity is in Degrees per 100ft.

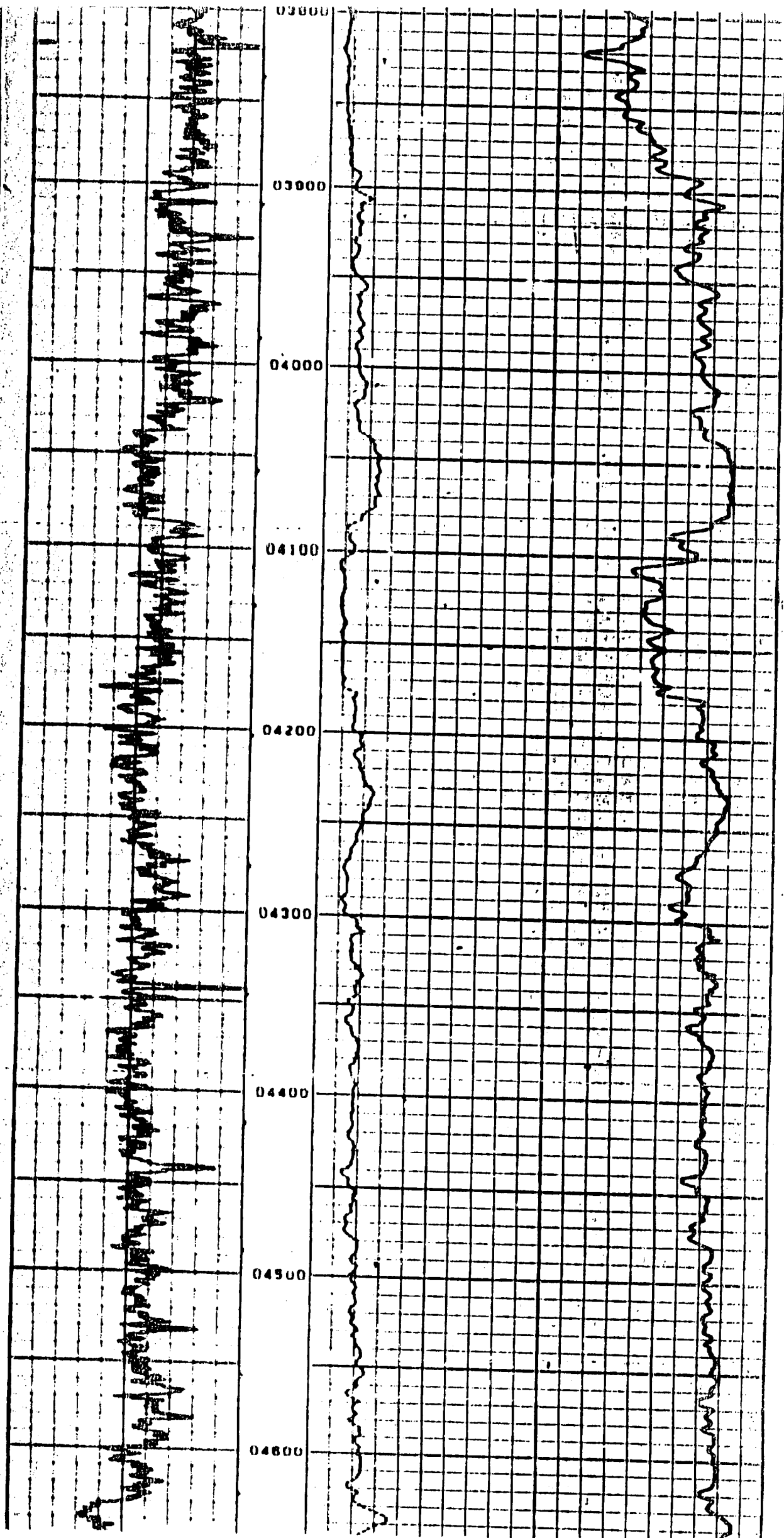
Vertical Section is from Well and calculated along an Azimuth of 315.000° (True).

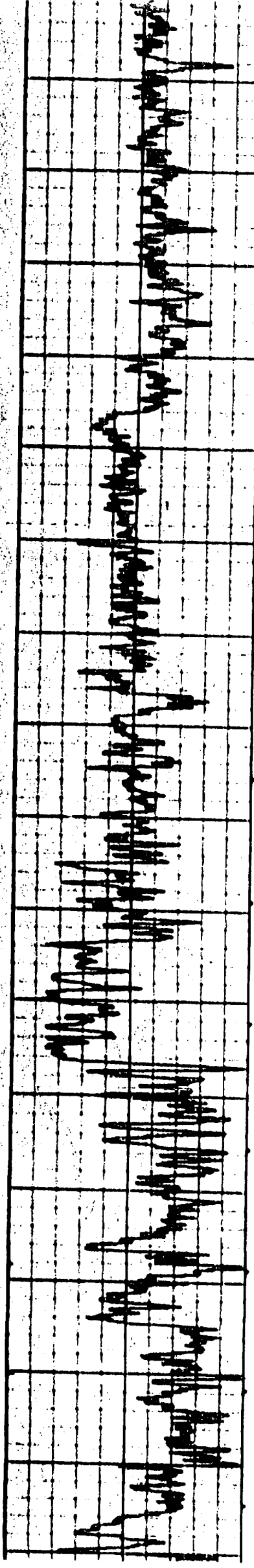
Coordinate System is NM-W. Grid Convergence at Surface is -0.822°.

Based Upon Minimum Curvature type calculations, at a Measured Depth of 5535.09ft.,
The Bottom Hole Displacement is 295.64ft., in the Direction of 315.000° (True).

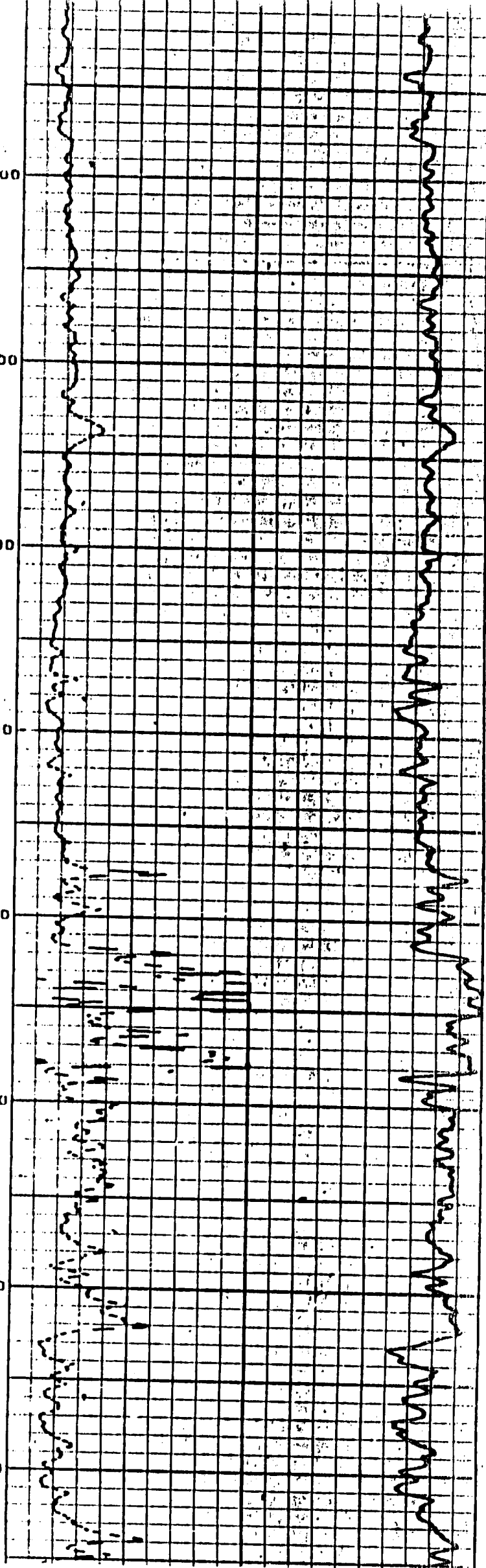
Typical M.V. Log
T32N, R10W
San Juan County, New Mexico

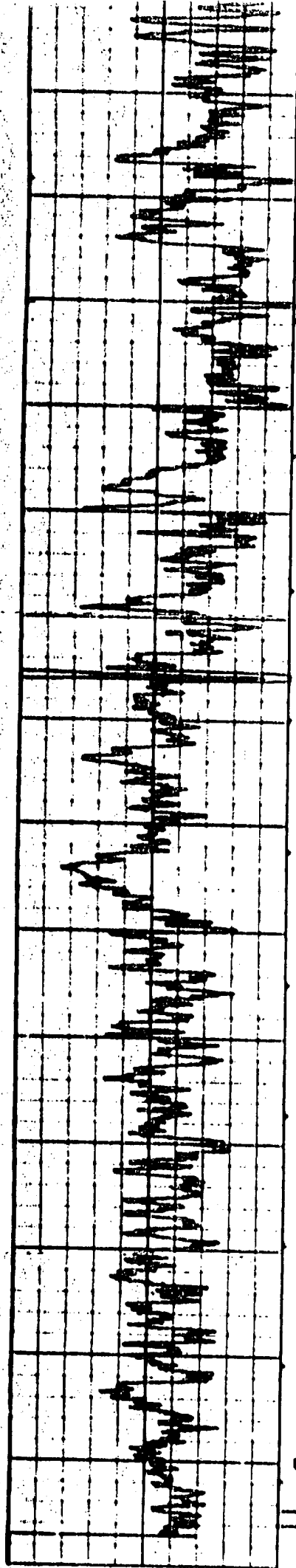






04500
04600
04700
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04900
05000
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05200





05100

05200

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05600

05700

0 200

0 100 200 0

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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

Form O-102

Revised October 18, 1994
Submit to Appropriate District OfficeState Lease - 4 Copies
Fee Lease - 3 Copies**OIL CONSERVATION DIVISION**2040 South Pacheco
Santa Fe, New Mexico 87505**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 3004522425	Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 001032	Property Name Schwerdtfeger LS	Well Number 2A
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 6277

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 E	27	31N	9W		1557	NORTH	1050	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 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
				SURVEY 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 knowledge and belief. 03/17/1977 Date of Survey
				Signature & Seal of Professional Surveyor David G. Brisco
				Certificate No. 1760

All distances must be from the outer boundaries of the Section

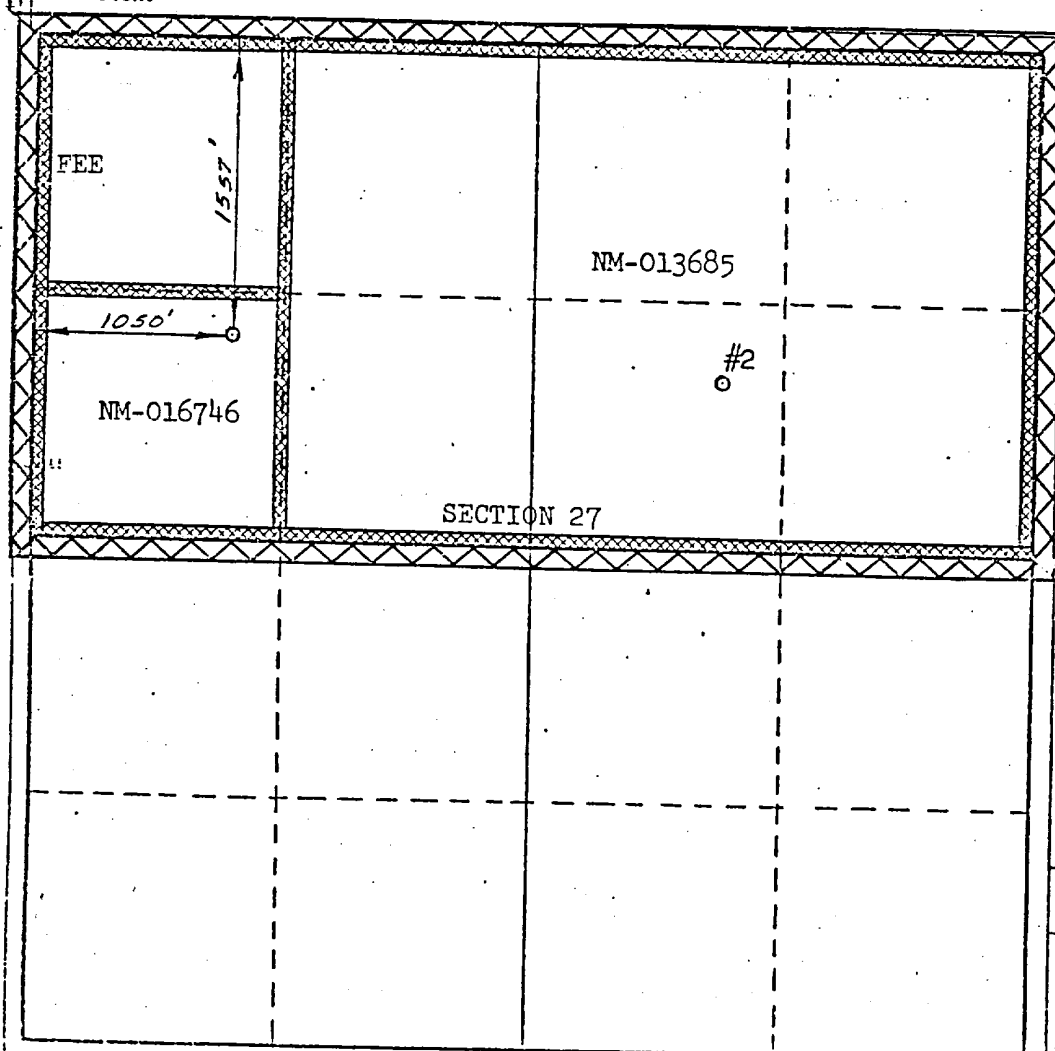
Operator EL PASO NATURAL GAS COMPANY		Lease SCHWERTFEGER (NM-016746)		Well No. 2A
Unit Letter E	Section 27	Township 31-N	Range 9-W	County SAN JUAN
Actual Footage Location of Well: 1557 feet from the NORTH line and 1050 feet from the WEST line				
Ground Level Elev. 6277	Producing Formation MESA VERDE	Pool BLANCO MESA VERDE	Dedicated Acreage: 314.53 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 Communitization

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.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Original Signed by
D. G. Brisco

Name
Drilling Clerk

Position
El Paso Natural Gas

Company
March 25, 1977

Date

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
MARCH 17, 1977

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

1760

