



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

July 23, 1997

Amoco Production Company
San Juan Business Unit
P. O. Box 800
Denver, Colorado 80201
Attention: Pamela Staley

Administrative Order DD-191

Dear Ms. Staley:

Reference is made to Amoco Production Company's application dated June 5, 1997 for authorization to recomplete the existing Florance Well No. 1-R (API No. 30-045-25307) by side tracking off of the vertical portion of the wellbore and drill a high-angle slant hole to a predetermined bottomhole location in order to further develop the Blanco-Mesaverde Pool underlying its existing 320-acre standard gas spacing and proration unit ("GPU") comprising the W/2 of Section 11, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico.

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111(D) and (E) of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11274 on June 13, 1995;
- (2) By Order No. R-8170, as amended, the Division promulgated the "*General Rules for the Prorated Gas Pools of New Mexico/Special Rules and Regulations for the Blanco-Mesaverde Pool*," which includes provisions for 320-acre gas spacing and proration units and well location requirements whereby the initial well drilled on a GPU shall be located no closer than 790 feet to the outer boundary of the quarter section on which the well is located and not closer than 130 feet to any quarter-quarter section line or subdivision inner boundary and the infill well drilled on an existing GPU shall be in the quarter section not containing a Mesaverde gas well and shall be located with respect to the restrictions as previously described;
- (3) Initial development of Blanco-Mesaverde gas pool production within the subject 320-acre GPU occurred with the Florance Well No. 18 being drilled in 1952 at a standard gas well location 1650 feet from the South line and 990 feet from the West line (Unit L) of said Section 11. The Florance Well No. 18-A (API No. 30-045-22120) was drilled in 1976 as an "infill well" at a standard gas well location 1675 feet from the North line and 950 feet from the West line (Unit E) of said Section 11. In early 1980 the GPU's original Florance

Well No. 18 was plugged and abandoned and in 1982 the Florance Well No. 1-R (API No. 30-045-25307), located at a standard gas well location 1060 feet from the South line and 980 feet from the West line (Unit M), was drilled and completed in the Blanco-Mesaverde Pool as its replacement well;

- (4) A high angle slant hole drilled off of the existing vertical wellbore in the Florance Well No. 18-R as proposed should provide Amoco a better opportunity to encounter the naturally occurring fracture system in the Mesaverde formation, which should result in a higher production rate and an increased ultimate recovery of gas from this well;
- (5) The applicant/operator proposes to kick-off from vertical at a depth of approximately 4,300 feet by milling a window in the existing 4 1/2-inch liner, drill in a northeasterly direction, build to an angle of approximately 41 degrees in order to bottom back into the Blanco-Mesaverde Pool, with total horizontal displacement of said wellbore to be approximately 720 feet;
- (6) The applicable drilling window or "producing area" for said wellbore should include that area within the SW/4 of said Section 11 that is no closer than 790 feet to any quarter section line; and,
- (7) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Amoco Production Company, is hereby authorized to recomplete its existing Florance Well No. 18-R (API No. 30-045-25307), located at a standard gas well location 1060 feet from the South line and 980 feet from the West line (Unit M) of Section 11, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico, by milling a window in the existing 4 1/2-inch liner at a depth of approximately 4,300 feet, kick-off from vertical in a northeasterly direction, build to an angle of approximately 41 degrees in order to bottom back into the Blanco-Mesaverde Pool (total horizontal displacement of said wellbore to be approximately 720 feet) within a drilling window or "producing area" comprising the SW/4 of said Section 11 that is no closer than 790 feet to any quarter section line.

PROVIDED HOWEVER THAT prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED FURTHER THAT during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the Aztec district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Aztec offices of the Division upon completion.

(3) Blanco-Mesaverde gas production from both the existing Florance Well No. 18-A (API No. 30-045-22120), located at a standard infill gas well location 1675 feet from the North line and 950 feet from the West line (Unit E) of said Section 11, and the Florance Well No. 18-R, as described above, shall be attributed to the existing 320-acre standard gas spacing and proration unit ("GPU") comprising the W/2 of said Section 11.

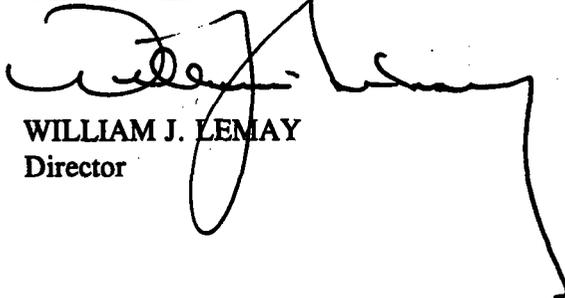
(4) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F and Order No. R-8170, as amended.

(5) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(6) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

SEAL

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington

Mike Stogner

From: Frank Chavez
To: Mike Stogner
Subject: RE: Amoco Dir. Drlg. Ords.
Date: Monday, July 28, 1997 9:09AM

These look OK.

From: Mike Stogner
Sent: Wednesday, July 23, 1997 10:05 AM
To: Kathy Valdes
Cc: Ernie Busch; Frank Chavez
Subject: Amoco Dir. Drlg. Ords.

Draft Administrative DD Orders for Amoco's:

- (1) Fields "A" #1 (30-045-11271) in the N/2 of Sec. 25-T32N-R11W, Blanco-Mesaverde Pool:

- (2) Wallace Gas Com #1 (30-045-10150) in the N/2 of Sec. 35-T31N-R11W, Blanco-Mesaverde Pool:

- (3) Schwerdtfeger "LS" #2-A (30-045-22425) in the N/2 equivalent of Sec. 27-T31N-R9W, Blanco-Mesaverde Pool:

- (4) Pritchard "A" #2-A (30-045-22020) in the E/2 equivalent) of Sec. 1-T30N-R9W, Blanco-mesaverde Pool:

- (5) Florance #1-R (30--045-25307) in the W/2 of Sec. 11-T30N-R9W, Blanco-Mesaverde Pool:

DD AMOC. 18

July 23, 1997

Rec: 6-11-97

Sup: 7-1-97

Released: 7-23-97

**Amoco Production Company
San Juan Business Unit
P. O. Box 800
Denver, Colorado 80201**

Attention: Pamela Staley

Administrative Order DD-191

Dear Ms. Staley:

Reference is made to Amoco Production Company's application dated ^{June 5} ~~July 8~~, 1997 for authorization to recomplete the existing Florance Well No. 1-R (API No. 30-045-25307) by side tracking off of the vertical portion of the wellbore and drill a high-angle slant hole to a pre-determined bottomhole location in order to further develop the Blanco-Mesaverde Pool underlying its existing 320-acre standard gas spacing and proration unit ("GPU") comprising the W/2 of Section 11, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico.

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111(D) and (E) of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995;
- (2) By Order No. R-8170, as amended, the Division promulgated the "*General Rules For The Prorated Gas Pools of New Mexico/Special Rules and Regulations For The Blanco-Mesaverde Pool*", which includes provisions for 320-acre gas spacing and proration units and well location requirements whereby the initial well drilled on a GPU shall be located ~~be~~ no closer than 790 feet to the outer boundary of the quarter section on which the well is located and not closer than 130 feet to any quarter-quarter section line or subdivision inner boundary and the infill well drilled on an existing GPU shall be in the quarter section not containing a Mesaverde gas well and shall be located with respect to the restrictions as previously described;
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location 1675 feet from the North line and 950 feet from the West line (Unit E) of said Section 11. In early 1980 the GPU's original Florance Well No. 18 was plugged and abandoned and in 1982 the Florance Well No. 1-R (API No. 30-045-25307), located at a standard gas well location 1060 feet from the South line and 980 feet from the West line (Unit M), was drilled and completed in the Blanco-Mesaverde Pool as its replacement well;

- (4) A high angle slant hole drilled off of the existing vertical wellbore in the Florance Well No. 18-R as proposed should provide Amoco a better opportunity to encounter the naturally occurring fracture system in the Mesaverde formation, which should result in a higher production rate and an increased ultimate recovery of gas from this well;
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- (7) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Amoco Production Company, is hereby authorized to recomplete its existing Florance Well No. 18-R (API No. 30-045-25307), located at a standard gas well location 1060 feet from the South line and 980 feet from the West line (Unit M) of Section 11, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico, by milling a window in the existing 4 1/2-inch liner at a depth of approximately 4,300 feet, kick-off from vertical in a northeasterly direction, build to an angle of approximately 41 degrees in order to bottom back into the Blanco-Mesaverde Pool (total horizontal displacement of said wellbore to be approximately 720 feet) within a drilling window or "producing area" comprising the SW/4 of said Section 11 that is no closer than 790 feet to any quarter section line.

PROVIDED HOWEVER THAT prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED FURTHER THAT during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the Aztec district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Aztec offices of the Division upon completion.

(3) Blanco-Mesaverde gas production from both the existing Florance Well No. 18-A (API No. 30-045-22120), located at a standard infill gas well location 1675 feet from the North line and 950 feet from the West line (Unit E) of said Section 11, and the Florance Well No. 18-R, as described above, shall be attributed to the existing 320-acre standard gas spacing and proration unit ("GPU") comprising the W/2 of said Section 11.

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(5) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(6) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY
Director

S E A L

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington



Amoco Production Co.
San Juan Business Un.

June 5, 1997

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

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

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

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

FLORENCE #18R

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

- [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
- [DD-Directional Drilling] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

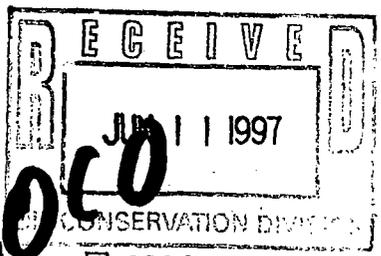
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Directional Drilling
- NSL NSP DD SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
- DHC CTB PLC SD OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
- WFX PMX SWD IPI EOR PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

PAMELA W. STALEY
Print or Type Name

Pamela W. Staley
Signature

REGULATORY AFFAIRS ENGR.
Title

6/5/97
Date

1961

1004

1

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

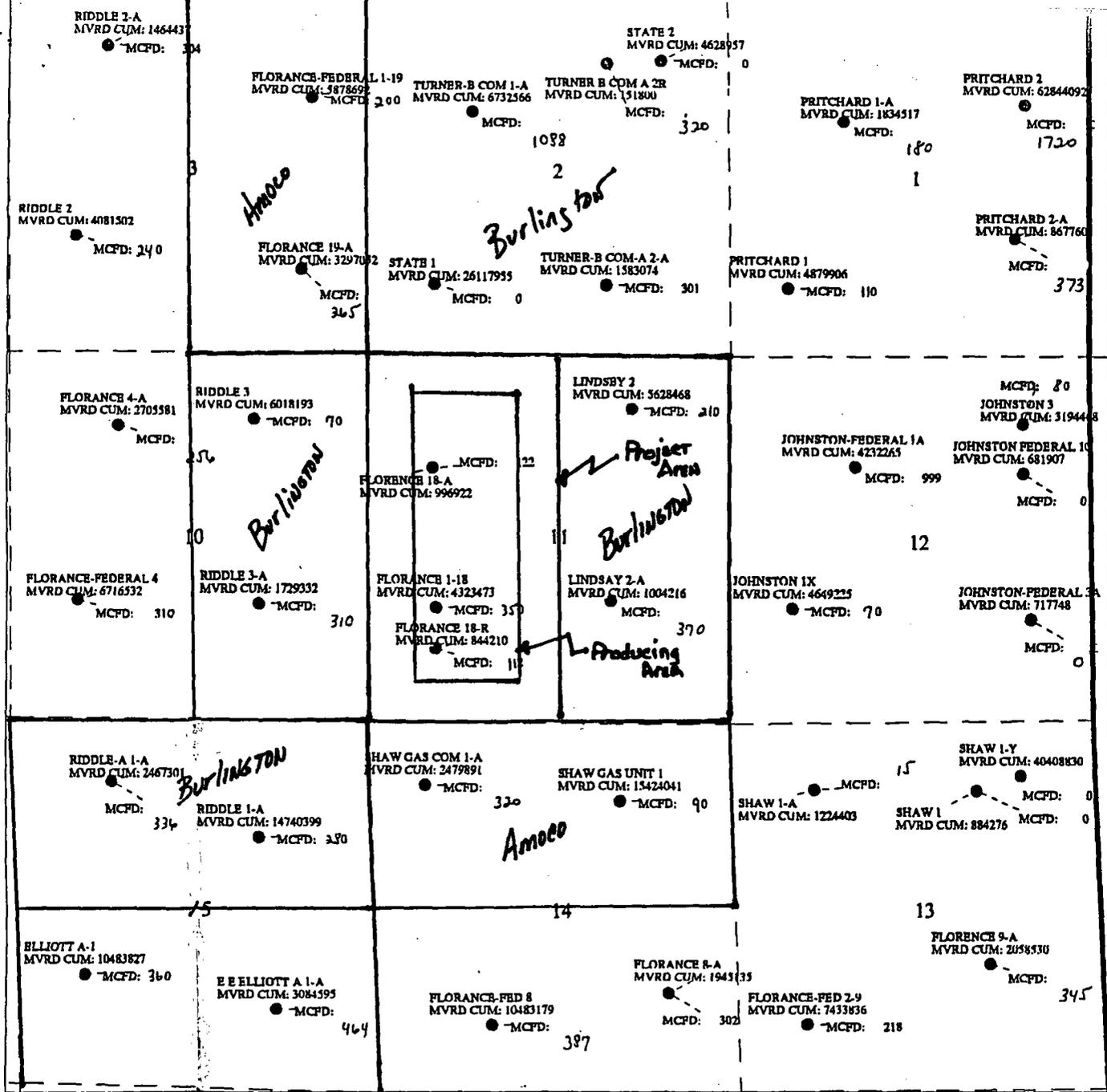
NORTHEAST

TYPE CURVE

HIGH ANGLE

LATERAL DISTANCE FROM VERTICAL OR ORIGINAL WELLBORE

719' AT 52 DEGREES AT A TD OF APPROXIMATELY 5552'

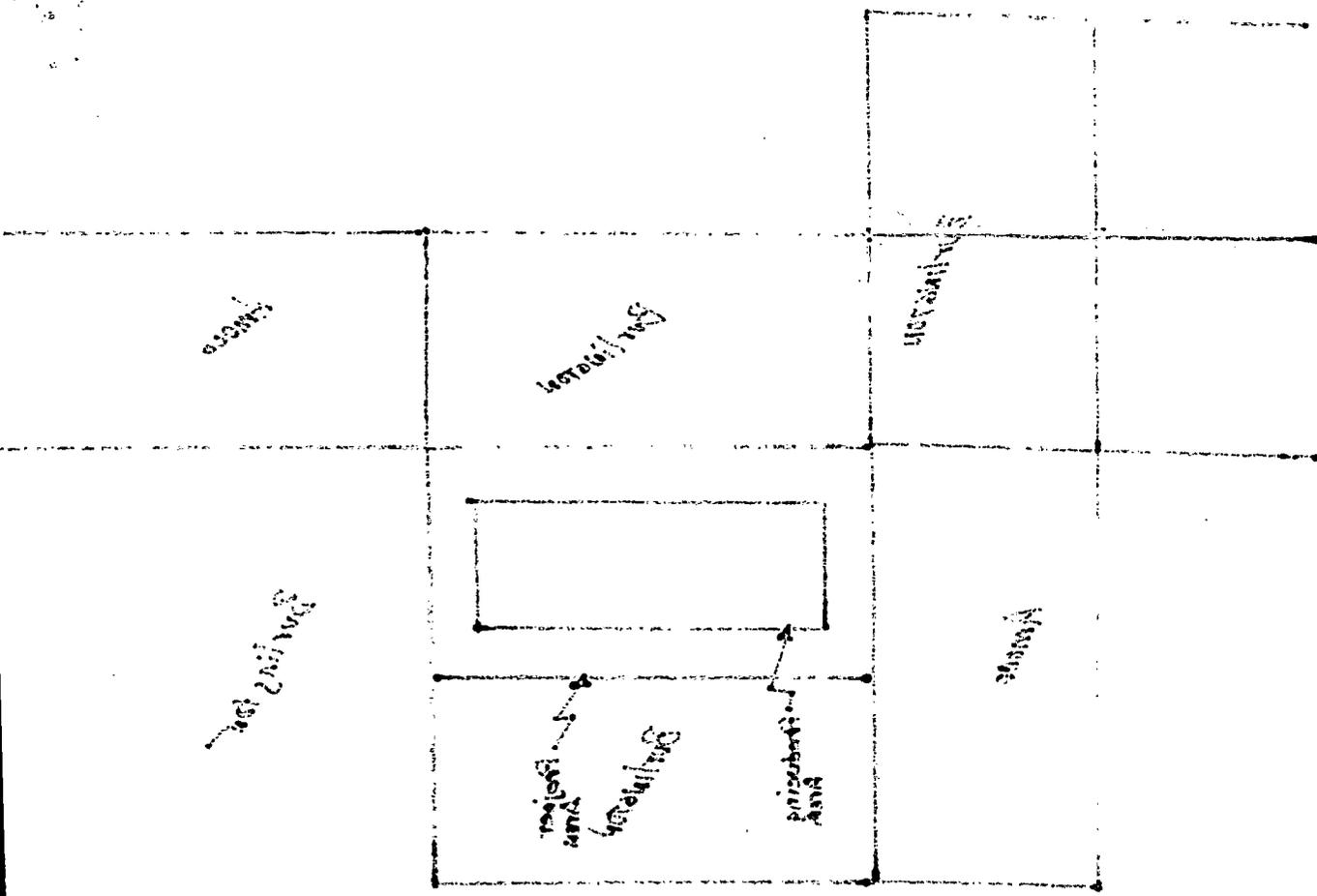


R9W

R8W

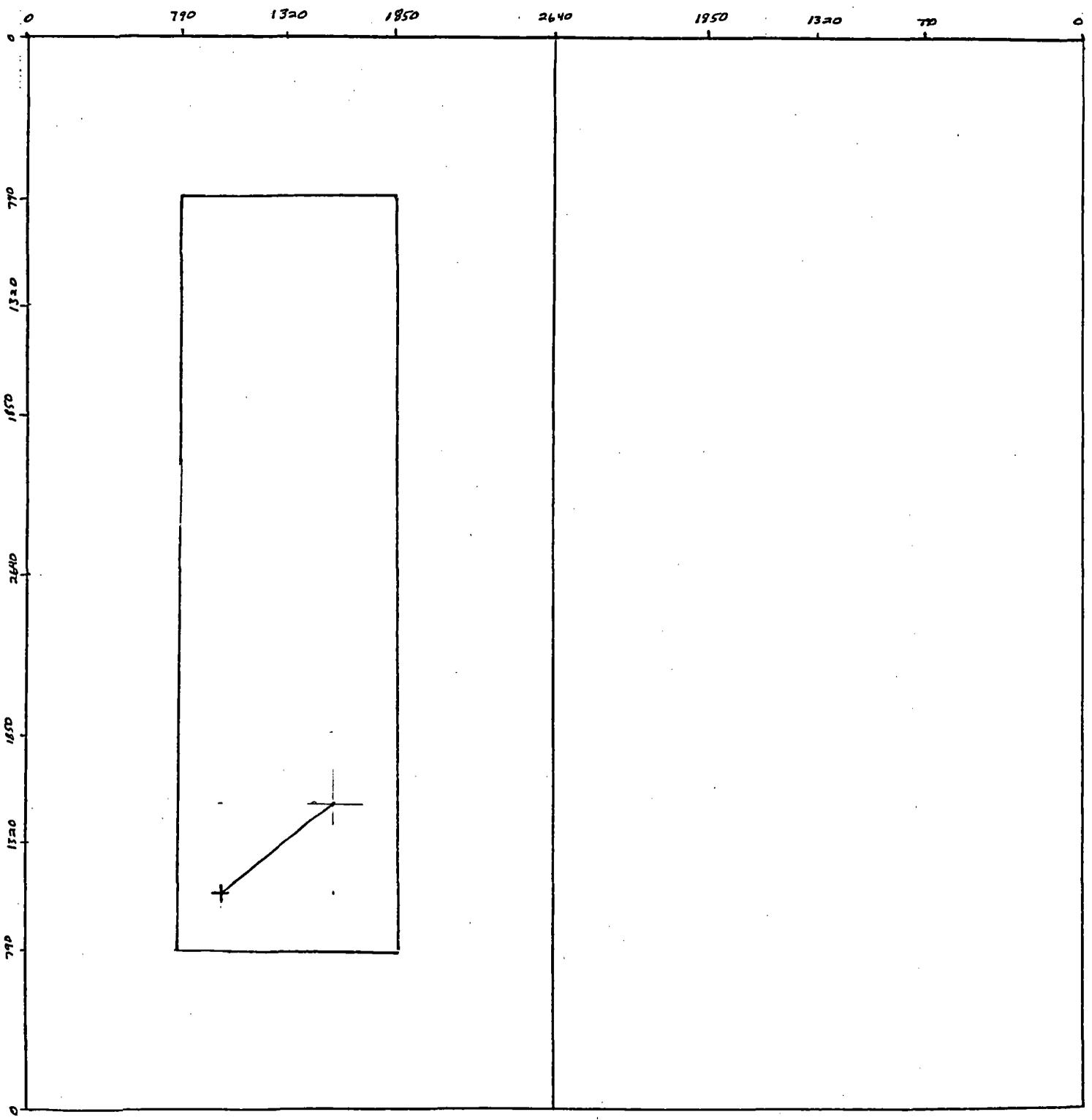
AMOCO PRODUCTION COMPANY

Type of Map:	Nine-Section Plat	
Horizon:	MV	
Block(s)/Grid(s):		
Area/Country:	SAN JUAN BASIN, NEW MEXICO	License:
Interpreter(s):	Date: April 28, 1987	
Scale = 1:27500	Custom Interval:	
Remarks: DESCRIBER MAP WITH CURRENT AND CUMULATIVE PRODUCTION OFFSET BY WELLS Sec. 11-1308-83W		
File No.:	Drew by: E. Roswell	

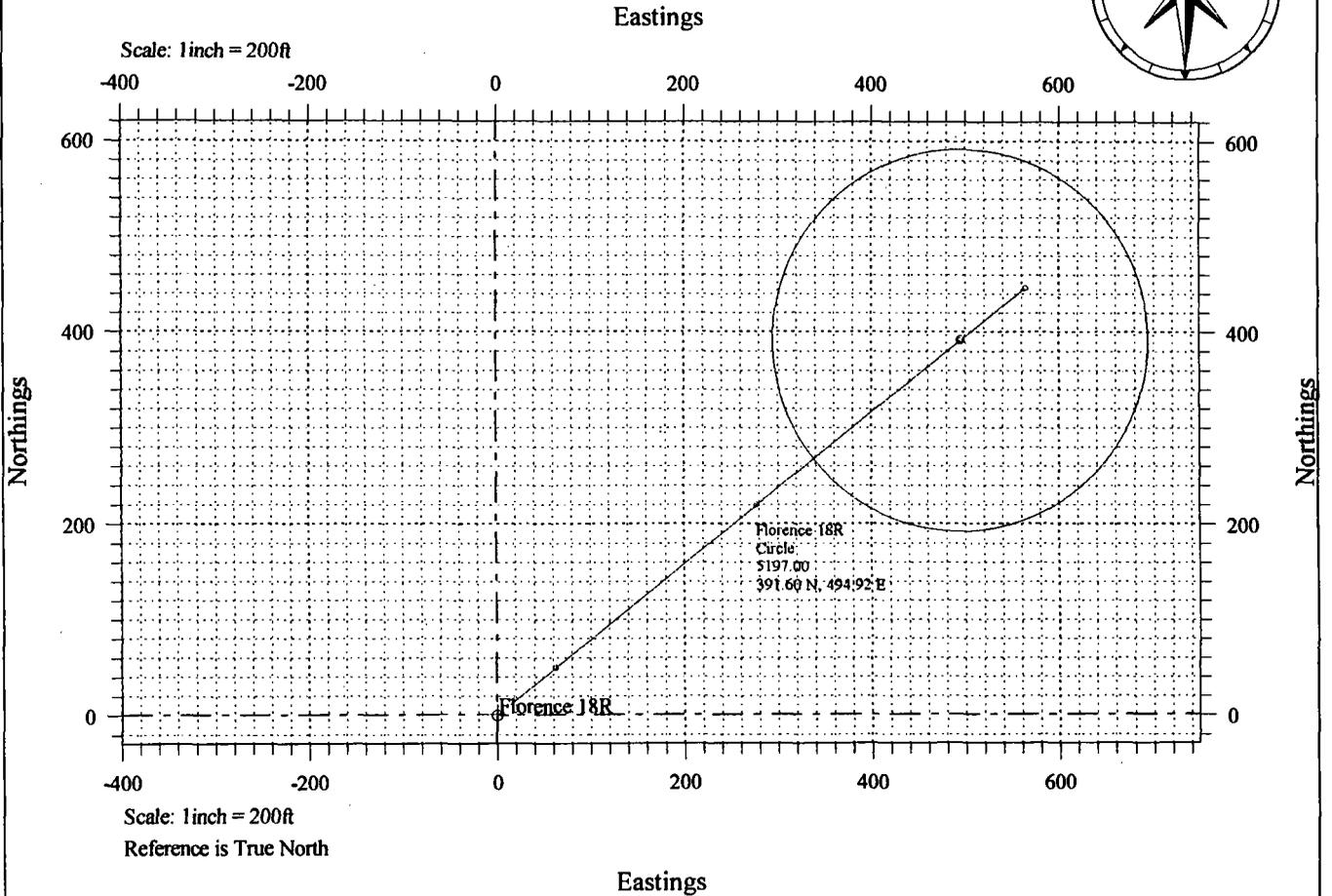


SUBJECT Florange 18 R - 3004525307

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



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

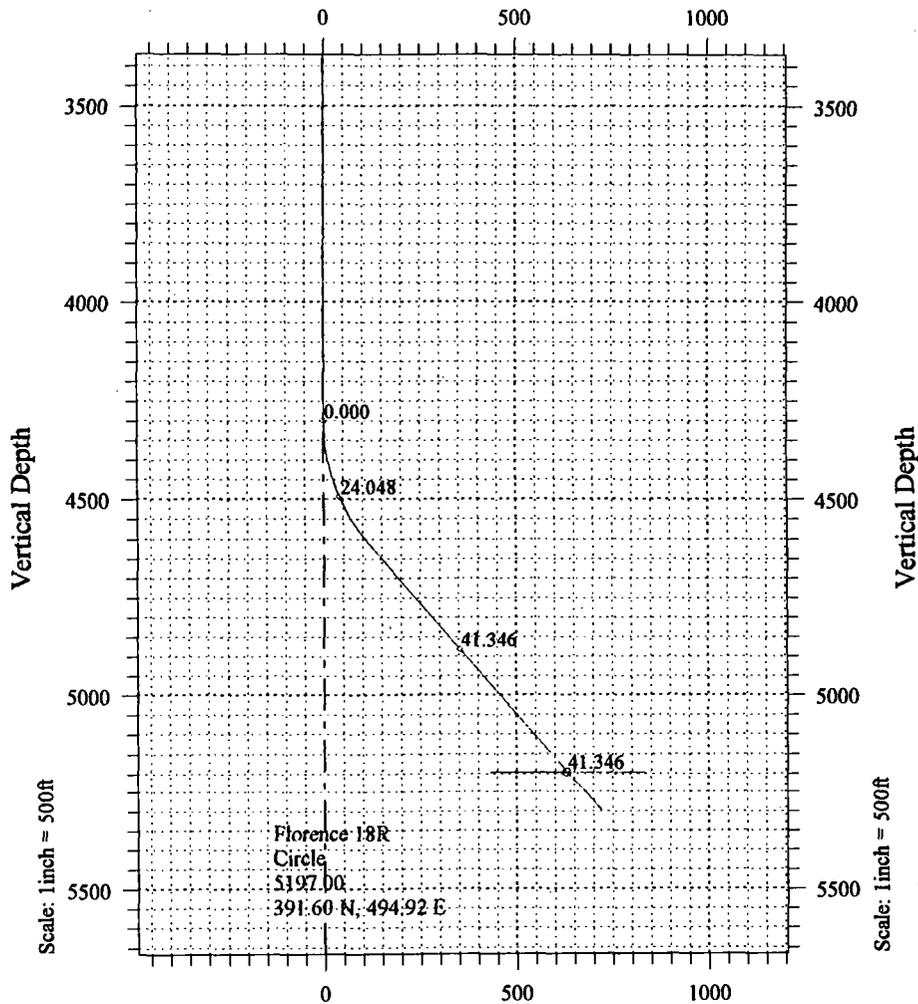


Prepared:	Checked:	Approved:
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Customer: Amoco Production Co.
Folder: Amoco Production Co.
Field: New Mexico
Project: Re-Entry Wells
Structure: Sec 11-T30N-R9W
Well: Florence 18R

Vertical Section

Scale: 1 inch = 500ft
 Section Azimuth: 51.648 (True North)



Scale: 1 inch = 500ft
 Section Azimuth: 51.648 (True North)

Vertical Section

Prepared:

Checked:

Approved:

Sperry-Sun Drilling Services

Proposal Report for Florence 18R - Alternate Florence 18R



Amoco Production Co.
New Mexico

Re-Entry Wells
Sec 11-T30N-R9W

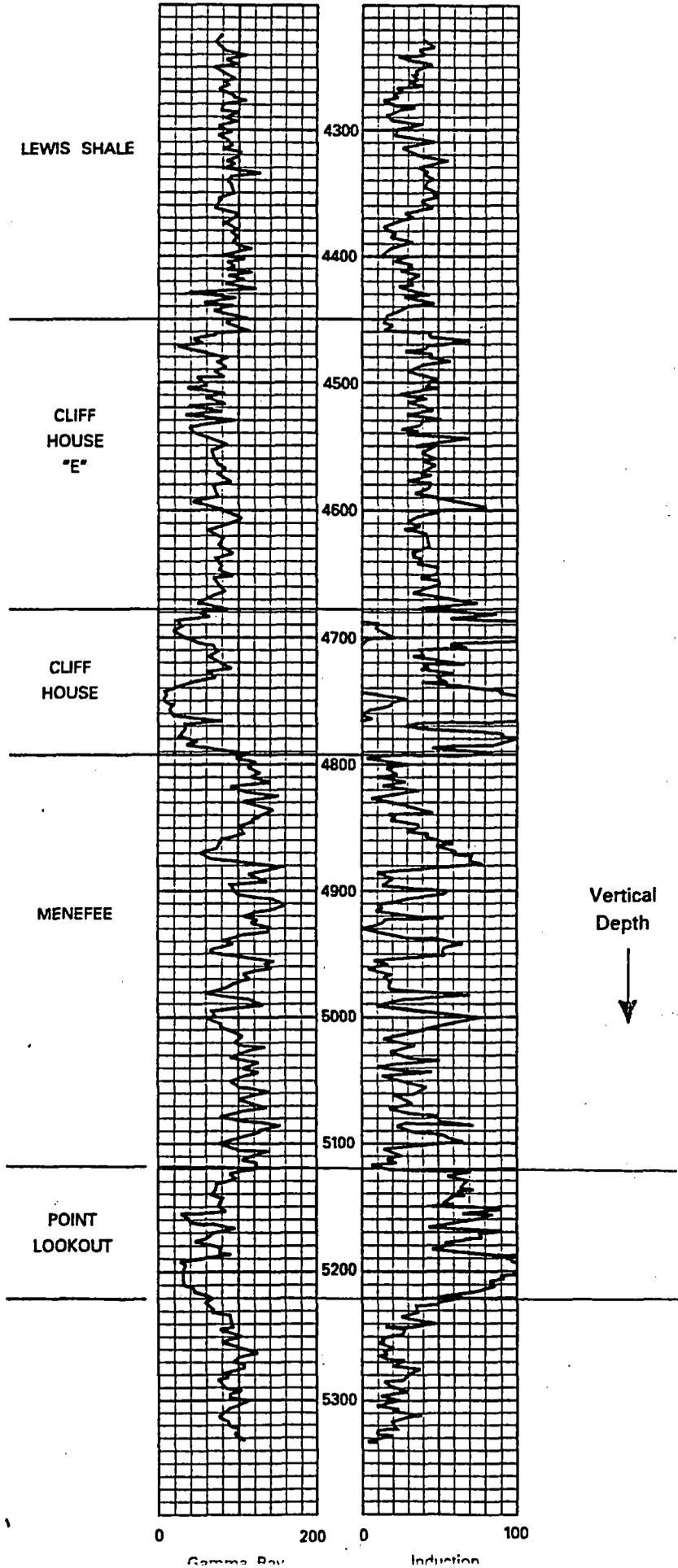
Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	
3100.00	0.000	0.000	3100.00	0.00 N	0.00 E	0.00	0.000
4300.00	0.000	0.000	4300.00	0.00 N	0.00 E	0.00	0.000
4643.86	41.346	51.648	4614.79	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			PLUS		UNITS
	BEFORE	ZERO AFTER	BEFORE	AFTER		
ILD	0.0	0.0	499.8	493.4	MMHD	
ILM	0.0	0.0	500.0	491.4	MMHD	
SFL	0.0	-0.0	500.0	498.5	MMHD	

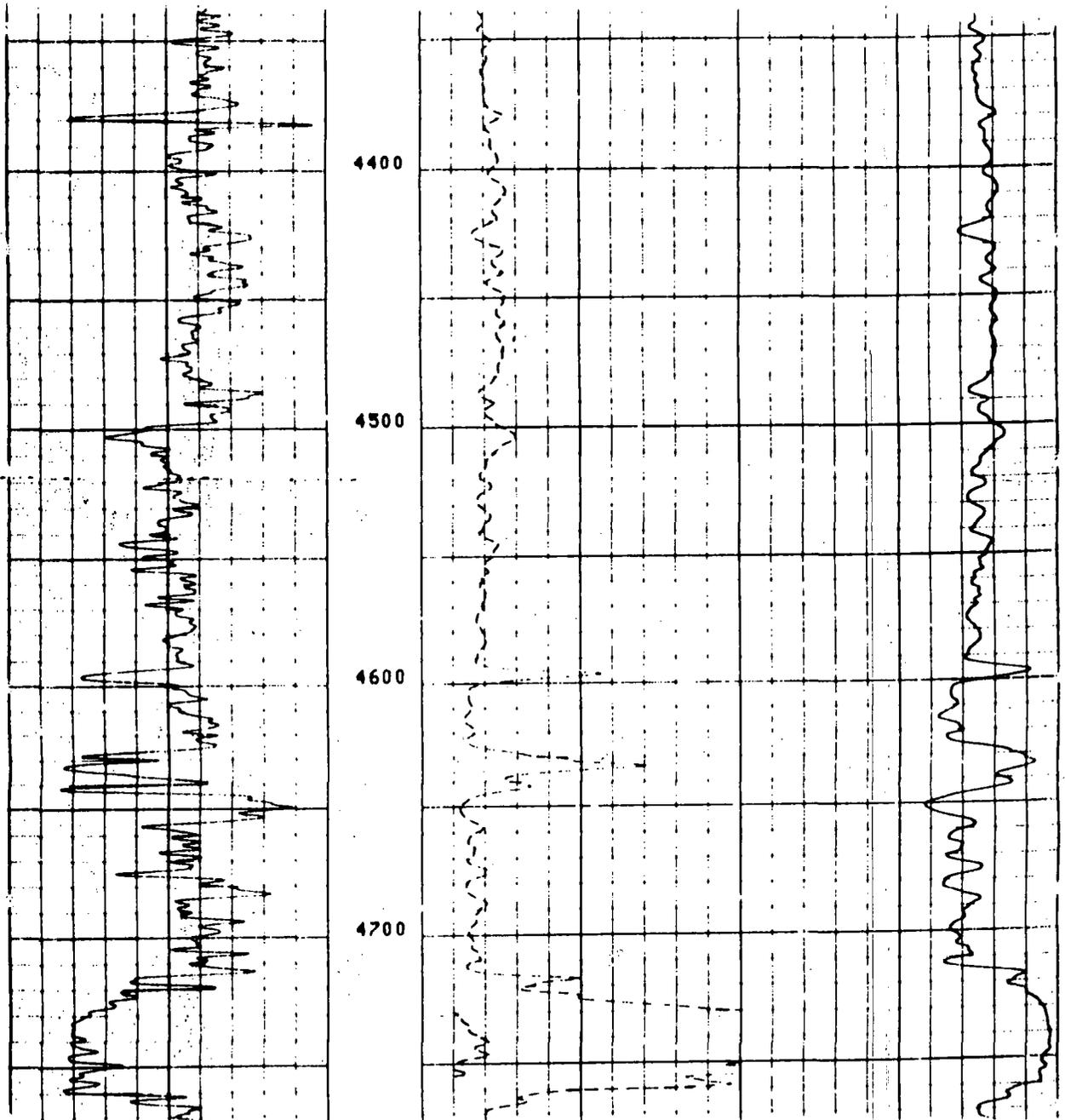
ILD SONDE ERROR CORRECTION : 8.3 MMHD
 ILM SONDE ERROR CORRECTION : 1.8 MMHD

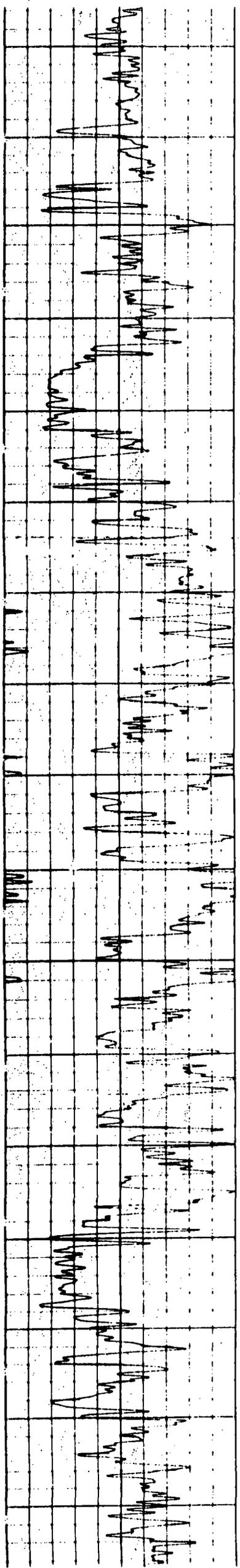
FILE
6

GR (GAP)	0.0	200.0	400.0	600.0	800.0	1000.0
				ILD (QMM)		
					100.0	
					CILD (MMHD)	
						0.0

FILE

3





4600

4700

4800

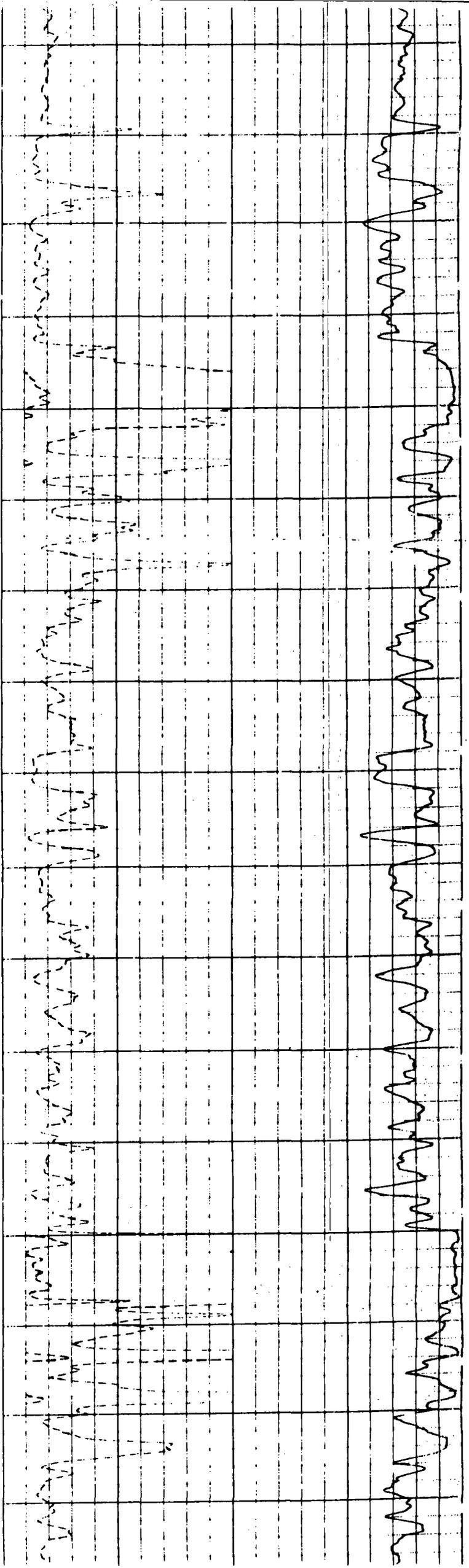
4900

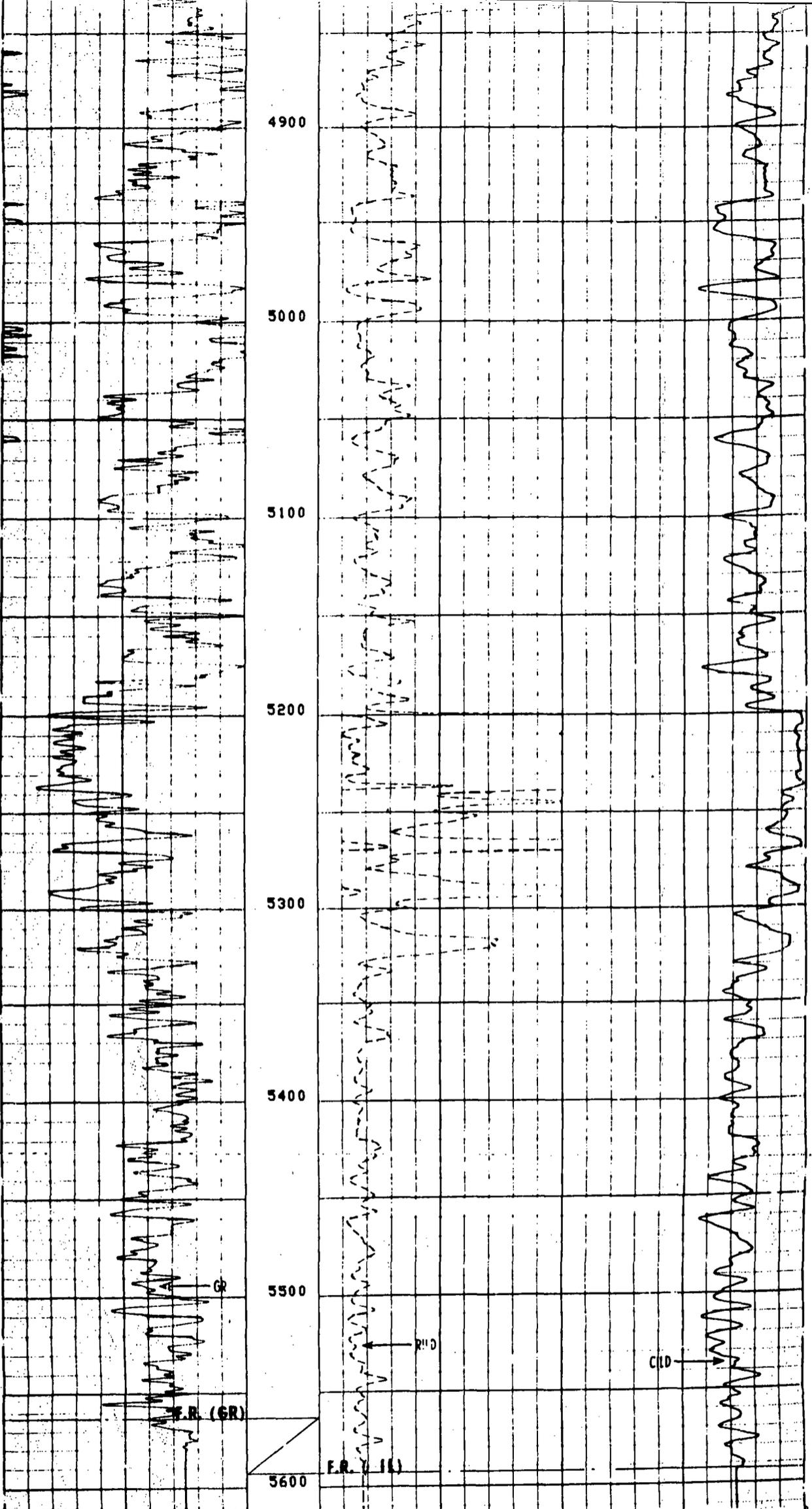
5000

5100

5200

5300





4900

5000

5100

5200

5300

5400

5500

5600

FILE

3

E.P. (GR)

E.P. (L)

RND

C/D

ILD (DHMM)

0.0

100.0

PTI R (MMHR)

GR (GR)

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, Sante 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 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

	<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p>Signature</p> <p>Printed Name Pat Archuleta</p> <p>Position Staff Assistant</p> <p>Date</p>	
	<p>SURVEY CERTIFICATION</p> <p><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></p> <p>10/05/1981</p> <p>Date of Survey</p> <p>Signature & Seal of Professional Surveyor Fred B. Kerr, Jr.</p>	
	<p>Certificate No. 3950</p>	

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

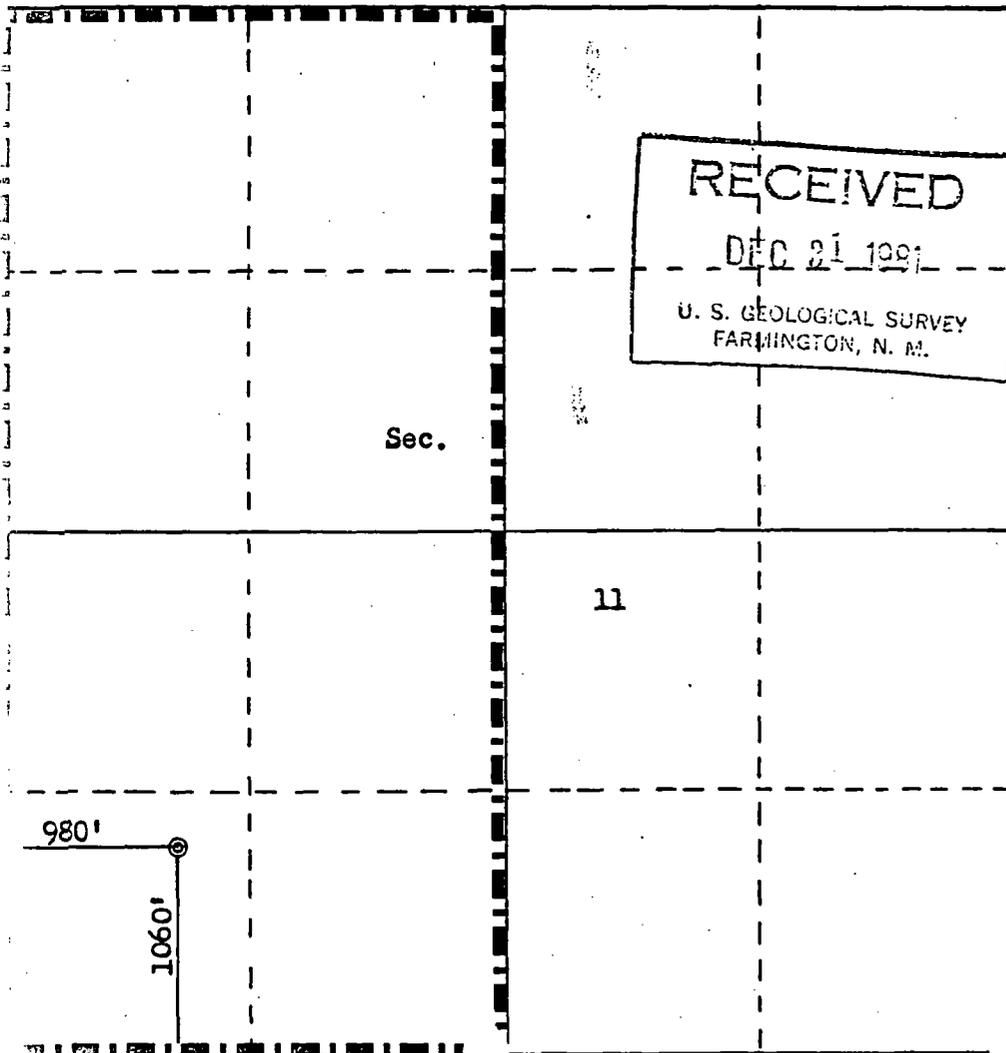
Operator TENNECO OIL COMPANY		Lease FLORANCE			Well No. 18R
Unit Letter M	Section 11	Township 30N	Range 9W	County San Juan	
Actual Footage Location of Well: 1060 feet from the South line and 980 feet from the West line					
Ground Level Elev: 6191	Producing Formation Mesaverde	Pool Und. Mesaverde	Dedicated 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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
Name	<i>Don H. Harrison</i>
Position	Production Analyst
Company	Tenneco Oil Company
Date	10-13-81
<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>	
Date Surveyed	<i>October 5, 1981</i>
Registered Professional Engineer and Land Surveyor	<i>Frederic B. Kest Jr.</i>
Certificate No.	3950

Sec : 11 Twp : 30N Rng : 09W Section Type : NORMAL

D 40.00 Federal owned	C 40.00 Federal owned	B 40.00 Federal owned A	A 40.00 Federal owned A
E 40.00 Federal owned A	F 40.00 Federal owned	G 40.00 Federal owned	H 40.00 Federal owned

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

Sec : 11 Twp : 30N Rng : 09W Section Type : NORMAL

L 40.00 Federal owned A A	K 40.00 Federal owned	J 40.00 Federal owned A	I 40.00 Federal owned
M 40.00 Federal owned A	N 40.00 Federal owned	O 40.00 Federal owned	P 40.00 Federal owned

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

Mike Stogner

From: Ernie Busch
To: Mike Stogner
Subject: RE: Rule 111: Directional Drilling
Date: Thursday, July 17, 1997 1:15PM
Priority: High

Mike, Here are some recommendations for the wells that you sent me the otherday, but there are still 2 I haven't seen. Ernie

From: Mike Stogner
Sent: Monday, July 14, 1997 11:03 AM
To: Frank Chavez
Cc: William Lemay; Ernie Busch
Subject: Rule 111: Directional Drilling

In addition to my earlier fax transmission this morning, the following is a list of pending administrative applications effecting District III:

- (1) Phillips Petroleum Company (Recommend Approval)
San Juan "32-7" Unit Well No. 240
Sections 19/20, T32N, R7W
Basin Fruitland Coal Gas Pool;
- (2) Amoco Production Company (Recommend Approval)
Nye "LS" Well No. 1-A
E/2 Sec. 23-T31N-R11W
Blanco-Mesaverde Pool;
- (3) Amoco Production Company (Recommend Approval)
Wallace Gas Com Well No. 1
N/2 Sect. 35-T31N-R11W
Blanco-Mesaverde Pool;
- (4) Amoco Production Company (Recommend Approval)
Schwerdtfeger "LS" Well No. 2-A
N/2 Sec. 27-T31N-R9W
Blanco-Meseaverde Pool;
- (5) Amoco Production Company (Recommend Approval)
Prichard "A" Well No. 2-A
E/2 Sec. 1-T30N-R9W
Blanco-Mesaverde Pool;
- (6) Amoco Production Company (Recommend Approval)
~~Florance Well No. 18-R~~
W/2 Sec. 11-T30N-R9W
Blanco-Mesaverde Pool;
- (7) Amoco Production Company (Haven't Seen It)
Fields "A" Well No. 1
N/2 Sec. 25-T32N-R11W
Blanco-Mesaverde Pool; and,
- (8) Amoco Production Company (Haven't Seen It)
Lodewick Well No. 1
18-T27N-R9W
Basin-Fruitland Coal Gas Pool/Fulcher Kutz Pictured Cliffs Pool.