

DHC

7/19/00

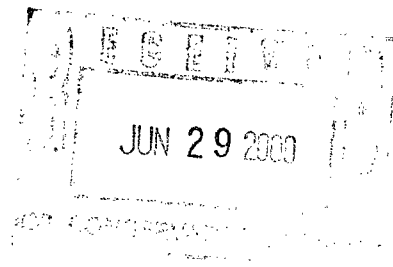
MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

June 27, 2000



David Catanach
State of New Mexico
OIL CONSERVATION DIVISION
2040 S. Pacheco Street
Santa Fe, NM 87505-5472

Dear Mr. Catanach,

Yates Petroleum Corporation hereby seeks administrative approval to downhole commingle the production from Wildcat Atoka and Undesignated Morrow pools in our C.O. Jones ATK State #1 located in Unit L of Section 11, Township 16 South, Range 35 East, Lea County.

If you have any questions or need additional information, please call me at (505) 748-4174.
Thank you for your consideration of this request.

Sincerely,

Albert R. Stall
Operations Engineer

ARS/th

Enclosures

96763

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



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TREASURER

June 27, 2000

Chris Williams
State of New Mexico
OIL CONSERVATION DIVISION
1625 N. French Drive
Hobbs, NM 88240

Dear Mr. Williams,

Yates Petroleum Corporation hereby seeks administrative approval to downhole commingle the production from Wildcat Atoka and Undesignated Morrow pools in our C.O. Jones ATK State #1 located in Unit L of Section 11, Township 16 South, Range 35 East, Lea County.

If you have any questions or need additional information, please call me at (505) 748-4174. Thank you for your consideration of this request.

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DENNIS G. KINSEY
TREASURER

June 27, 2000

Pete Martinez
State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87504-1148

Dear Mr. Martinez,

Pursuant to the State Land Office Rule Nos. 1.053, 1.054 and 1.055, you will find enclosed the \$30.00 filing fee and a copy of the commingling application for the C.O. Jones ATK State #1.

Should you have any questions, feel free to contact me at (505) 748-4174. Thank you.

Sincerely,

Albert R. Stall
Operations Engineer

ARS/th

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 South First Street, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE
☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☒ Yes ☐ No

Yates Petroleum Corporation 105 South Fourth Street
Operator Address

C.O. Jones ATK State 1 L 11 16S 35E Lea
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 025575 Property Code 24895 API No. 30-025-34714 Lease Type: Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Wildcat Atoka		Undesignated Morrow
Pool Code			
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	11,959'-11,977' 11,687'-11,761'		12,141'-12,151'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Not Required		Not Required
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1222 BTU		1200 BTU
Producing, Shut-In or New Zone	Not Completed Yet		Shut-In
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: Rates: Not Completed Yet (See attachment #1)	Date: Rates:	Date: 6/15/00 Rates: 849 mcf/d, 0 bopd, 0 bwpd
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas % % See Attachment #2	Oil Gas % %	Oil Gas % % See Attachment #2

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐

Will commingling decrease the value of production? Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well:

Attachments:

C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation method or formula.
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools
List of all operators within the proposed Pre-Approved Pools
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

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

SIGNATURE Albert R. Stall TITLE Operations Engineer DATE 6-27-00

TYPE OR PRINT NAME Albert R. Stall TELEPHONE NO. (505) 748-4174

ATTACHMENTS

C.O. Jones ATK State #1 Unit L Sec. 11-16S-35E

1. The Atoka is expected to produce 1000 mcf/d of dry gas based on well log evaluation*. Copies of the logs in this interval are attached. Copies of nearby Atoka producers are also attached.
2. A fixed percentage allocation formula based on production rates will be submitted for approval after testing the upper zone (Wildcat Atoka).

*And Atoka production from nearby wells

COMPANY: Yates Petroleum Corporation

WELL: C.O. Jones "ATK" State Com. #1

FIELD: South Big Dog Strawn

COUNTY: Lea STATE: New Mexico

ENGINEERING

Schlumberger

Platform Express

Three Detector LithoDensity
Compensated Neutron / GR

1330' FSL & 1150' FWL

FILED JUN 20 2000

Elev.: K.B. 4005 ft

G.L. 3986 ft

D.F. 4004 ft

Permanent Datum: Ground Level

Elev.: 3986 ft

Log Measured From: Kelly Bushing

19.0 ft above Perm. Datum

Drilling Measured From: Kelly Bushing

API Serial No.

SECTION

11

TOWNSHIP

16S

RANGE

35E

Logging Date	18-MAY-2000		
Run Number	One		
Depth Driller	12528 ft		
Schlumberger Depth	12534 ft		
Bottom Log Interval	12534 ft		
Top Log Interval	250 ft		
Casing Driller Size @ Depth	9.625 in	@	4720 ft
Casing Schlumberger	4717 ft		
Bit Size	8.750 in		
Type Fluid In Hole	Salt / Starch / Gel		
Density	Viscosity	10.4 lbm/gal	40 s
Fluid Loss	PH	6 cm3	10.5
Source Of Sample	Circulation Tank		
RM @ Measured Temperature	0.130 ohm.m	@	81 degF
RMF @ Measured Temperature	0.105 ohm.m	@	81 degF
RMC @ Measured Temperature		@	
Source RMF	RMC	Rm	
RM @ MRT	RMF @ MRT	0.063 @ 173	0.051 @ 173
Maximum Recorded Temperatures	173 degF		
Circulation Stopped	Time	17-MAY-2000	21:30
Logger On Bottom	Time	18-MAY-2000	14:30
Unit Number	Location	3178	Roswell, NM
Recorded By	K. Holub / B. Morris		
Witnessed By	Eric Cummins / Keith McCamey		

COUNTY: Lea

Field: South Big Dog Strawn

Location: 1330' FSL & 1150' FWL

Well: C.O. Jones "ATK" State Com. #1

Company: Yates Petroleum Corporation

LOCATION

MUD

sc11600

$R_w = 0.7$

$\Sigma \Delta D$

76 05

58 12

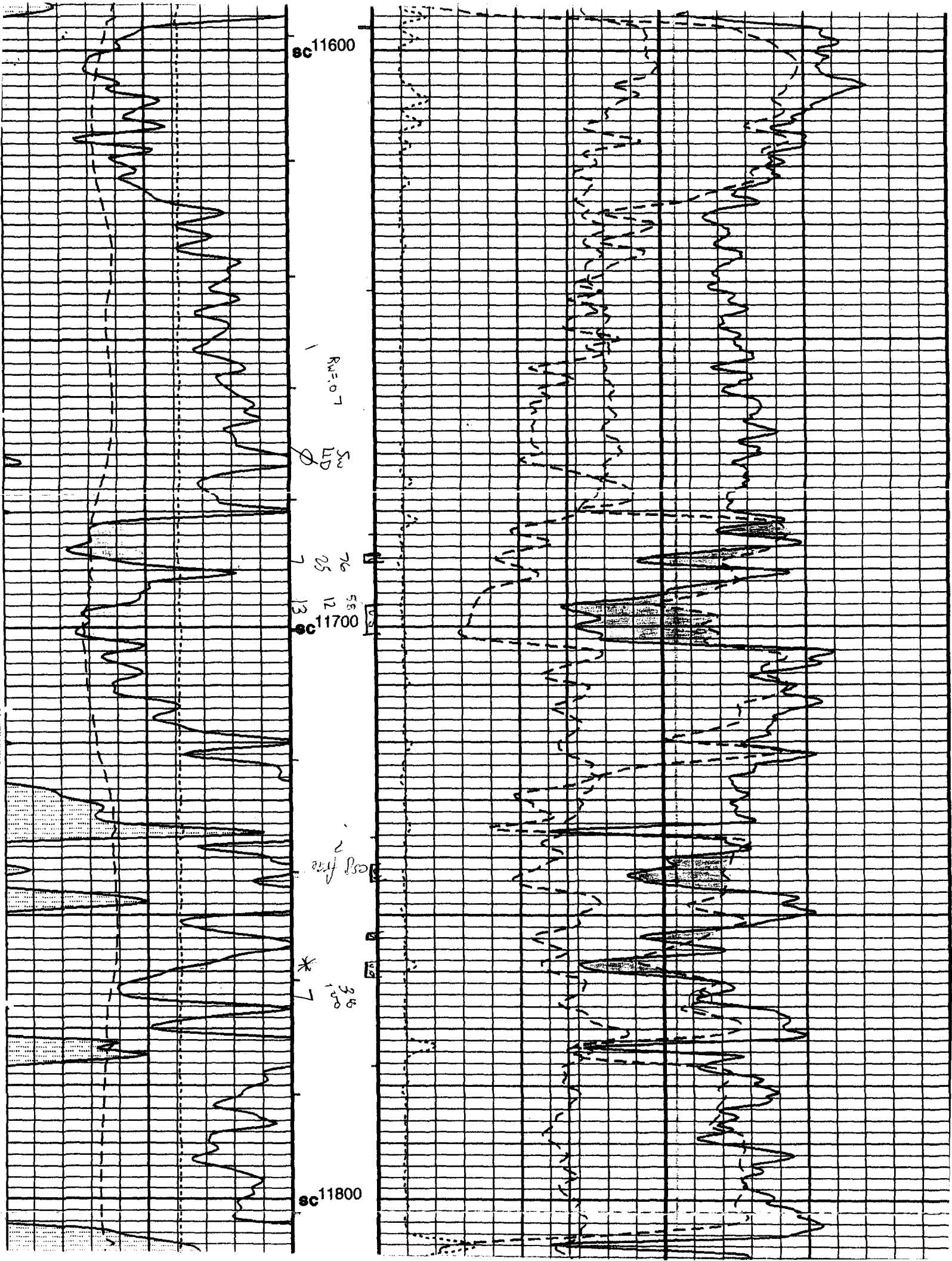
13

sc11700

2
sc11700

* 7
3.50

sc11800



sc11900

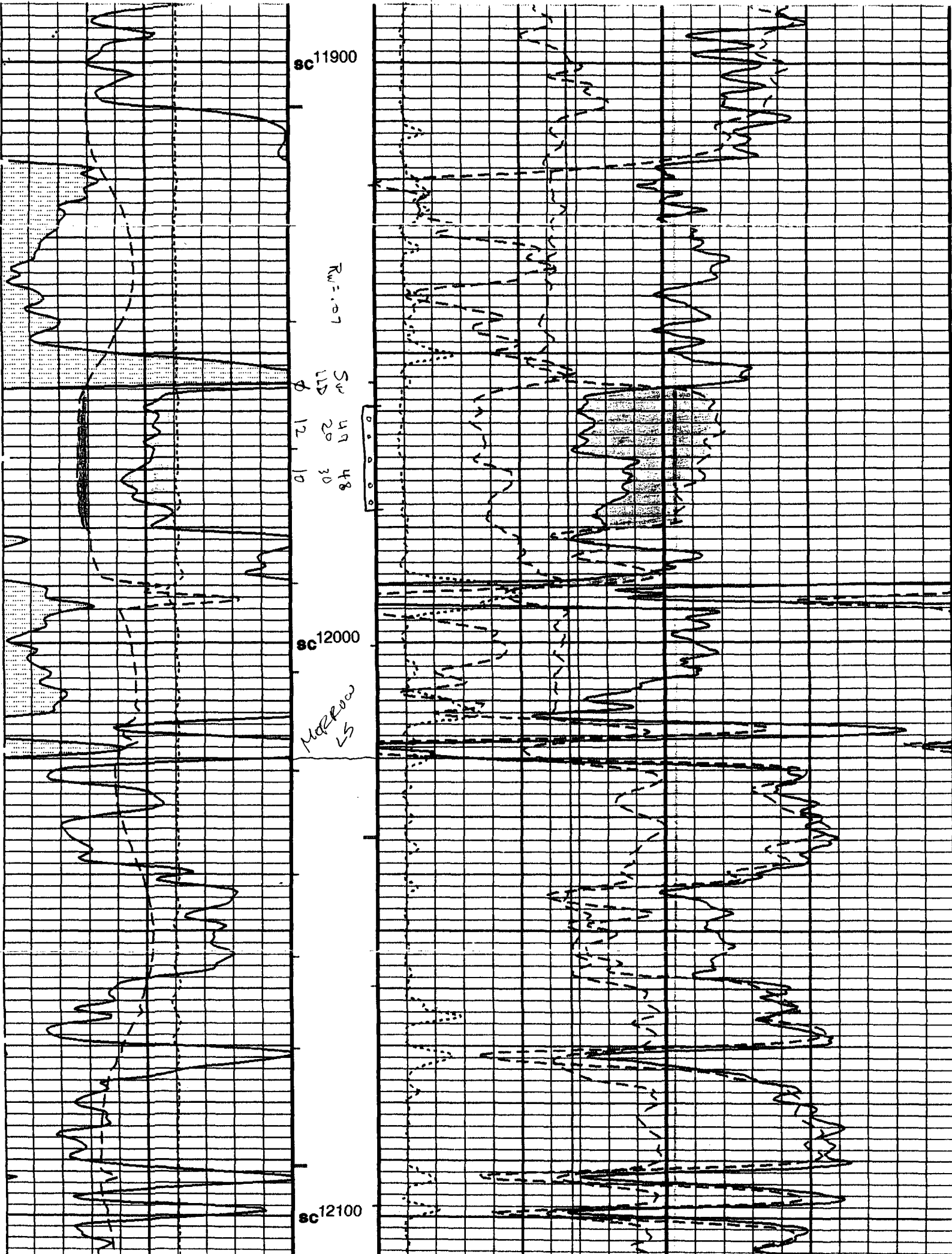
$R_w = .07$

SW 49 48
LTD 20 30
12 10

sc12000

Narrow
LS

sc12100



ENGINEERING

ENGINEERING

COMPANY: Yates Petroleum Corporation

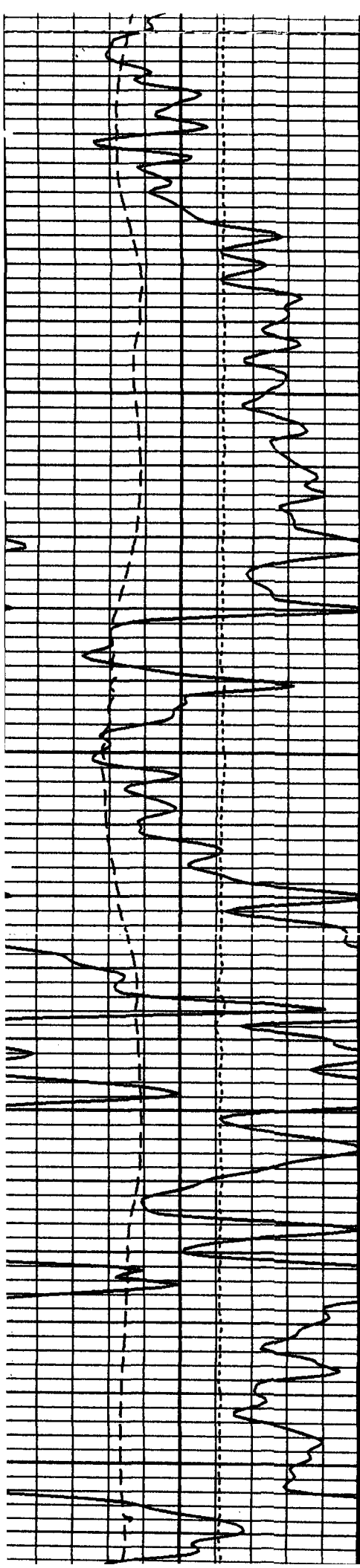
WELL: C.O. Jones "ATK" State Com. #1

FIELD: South Big Dog Strawn

COUNTY: Lea

STATE: New Mexico

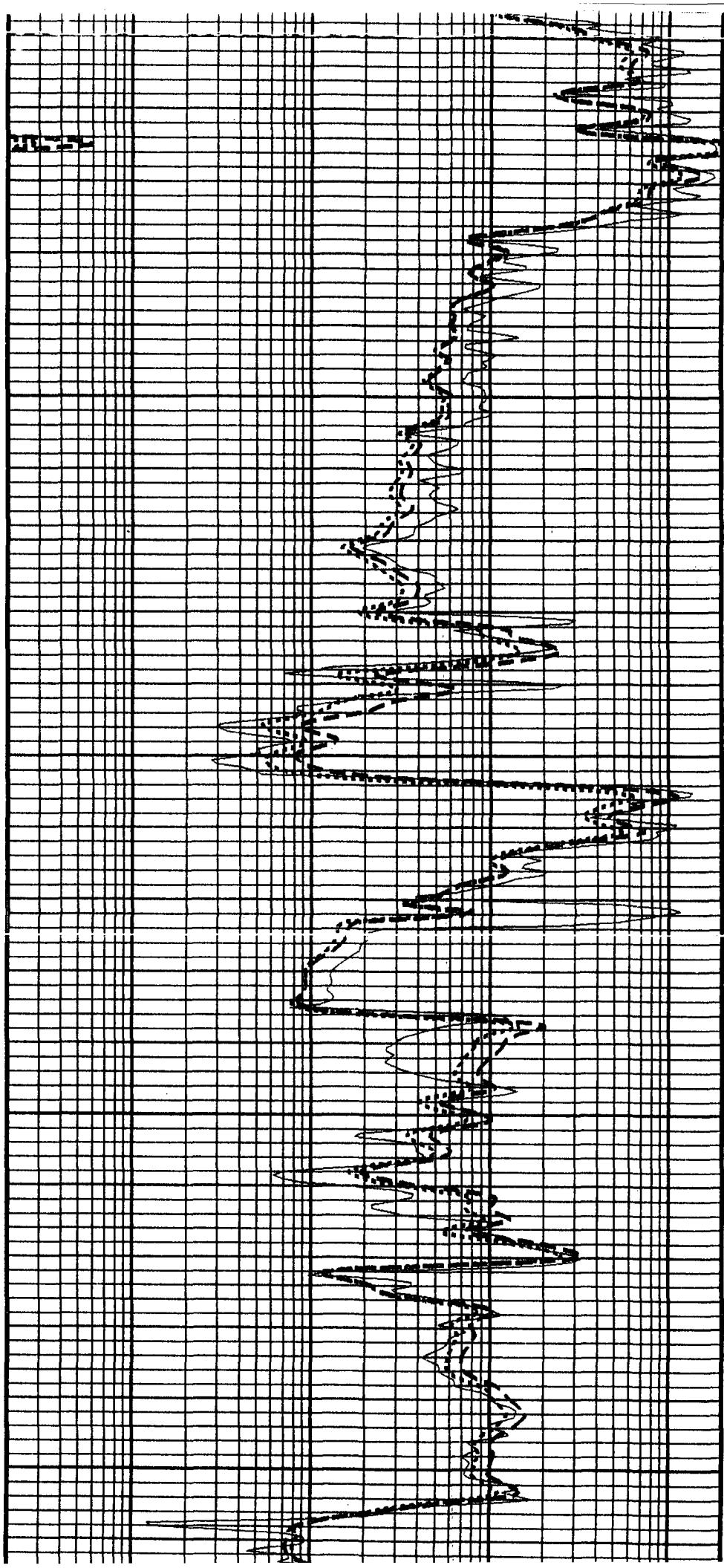
COUNTY: Lea Field: South Big Dog Strawn Location: 1330' FSL & 1150' FWL Well: C.O. Jones "ATK" State Com. #1 Company: Yates Petroleum Corporation	Schlumberger		Platform Express			
			Azimuthal Laterolog Micro-CFL / Gama Ray			
	LOCATION	1330' FSL & 1150' FWL FILED JUN 20 2000			Elev.: K.B. 4004 ft G.L. 3986 ft D.F. 4003 ft	
		Permanent Datum: Ground Level Log Measured From: Kelly Bushing Drilling Measured From: Kelly Bushing			Elev.: 3986 ft 18.0 ft above Perm. Datum	
API Serial No.			SECTION 11	TOWNSHIP 16S	RANGE 35E	
MUD	Logging Date		18-MAY-2000			
	Run Number		One			
	Depth Driller		12528 ft			
	Schlumberger Depth		12528 ft			
	Bottom Log Interval		12520 ft			
	Top Log Interval		4720 ft			
	Casing Driller Size @ Depth		9.625 in @ 4720 ft		@	
	Casing Schlumberger		4720 ft			
	Bit Size		8.750 in			
	Type Fluid In Hole		Salt / Starch / Gel			
	Density	Viscosity	10.4 lbm/gal	40 s		
	Fluid Loss	PH	6 cm3	10.5		
	Source Of Sample		Circulation Tank			
	RM @ Measured Temperature		0.057 ohm.m @ 68 degF		@	
	RMF @ Measured Temperature		0.060 ohm.m @ 68 degF		@	
	RMC @ Measured Temperature		@		@	
	Source RMF	RMC	Rm			
	RM @ MRT	RMF @ MRT	@	@	@ @	
Maximum Recorded Temperatures						
Circulation Stopped	Time	17-MAY-2000	21:30			
Logger On Bottom	Time	18-MAY-2000	9:00			
Unit Number	Location	3178	Roswell, NM			
Recorded By		K. Holub / B. Morris				
Witnessed By		Eric Cummins				

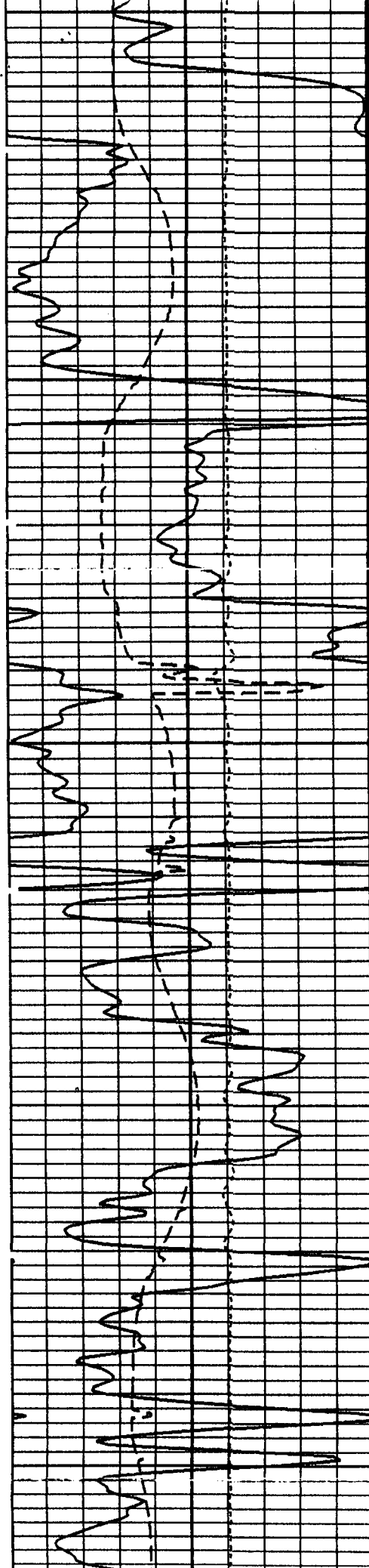


11600

11700

11800

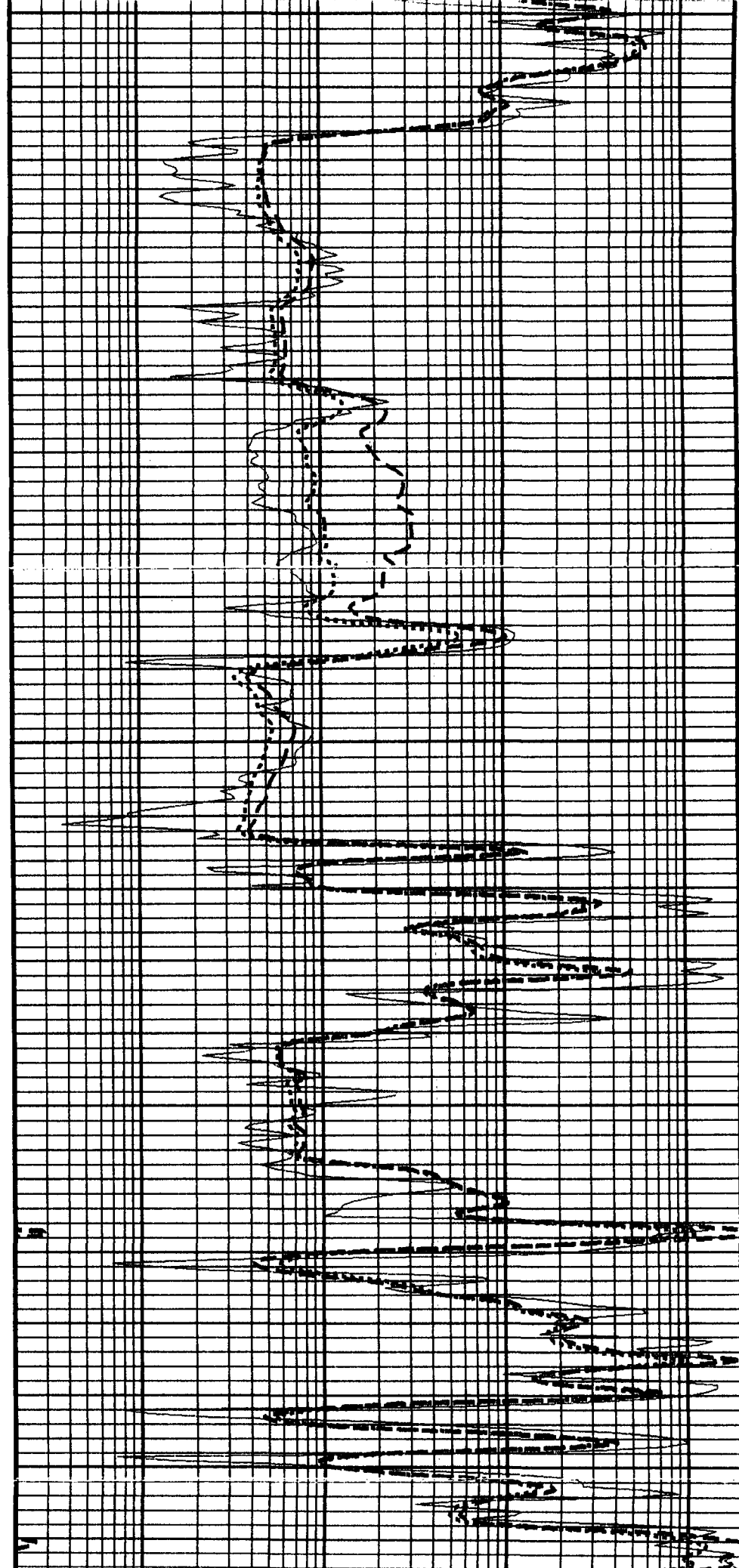




11900

12000

12100



Wellsboro
Geological
Services
ENGINEERING

P. O. BOX 2747 — ROSWELL, NEW MEXICO 88201
806-793-8471 CELL. 505-365-6681

COMPANY YATES PETROLEUM CORPORATION
WELL C.O.JONES ATK STATE NO.1
FIELD WILDCAT MISSISSIPPIAN
LOCATION 1330' ESL./1150' FWL SECTION 11 TWP 16S RGE 35E
COUNTY LEA STATE NM
ELEVATION: GL 3986' KB 4005.4'
DEPTH LOGGED 6400' TO
DATE LOGGED APRIL 21, 2000 TO
WELLSITE GEOLOGIST M.C.JONES

ABBREVIATIONS

MUD DATA	
NB - New Bit	TG - Trip Gas
DCB - Diamond Core Bit	CG - Connection Gas
CO - Circulated Out	DS - Directional Survey
DST - Drill Stem Test	DC - Depth Correction
NR - No Return	RS - Reported Show
GOL - Geologist On Location	

MUD DATA

W - Weight
V - Viscosity
F - Filtrate
CK - Cake Thickness
32nds
CL - Chlorides

SAND =		LIMESTONE =		GRANITE - WASH	
SILTSTONE =		DOLOMITE =		GRANITE =	
SHALE =		CHEERT =		SALT =	
ANHYDRITE or GYPSUM =		COAL =			

GAS SEPARATION	
Methane	1 Pentane
Ethane	2 Gas From Mud
Propane	3 Gas From Cuttings
Butanes	4

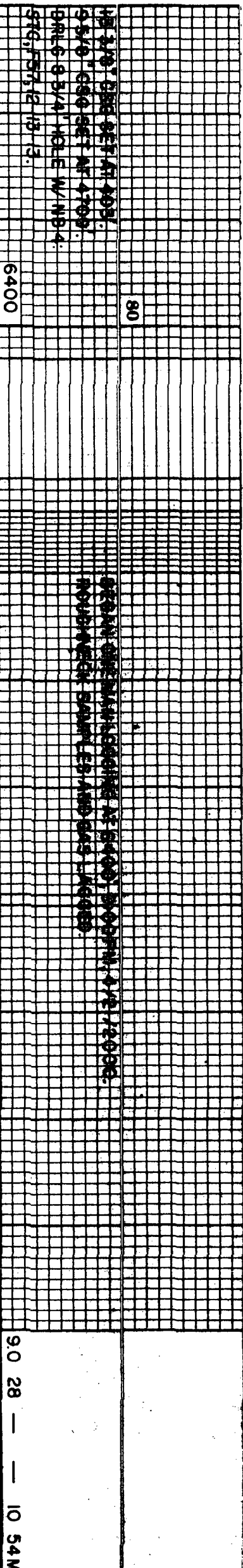
RATE OF PENETRATION
MIN/FT ☒ **FT/HR** ☐

TRF	POR	LITHOLOGY	TRFO	LEACHE UNITS	% OIL FLUO
1000					

TOTAL GAS

CHROMATOGRAPHIC ANALYSIS

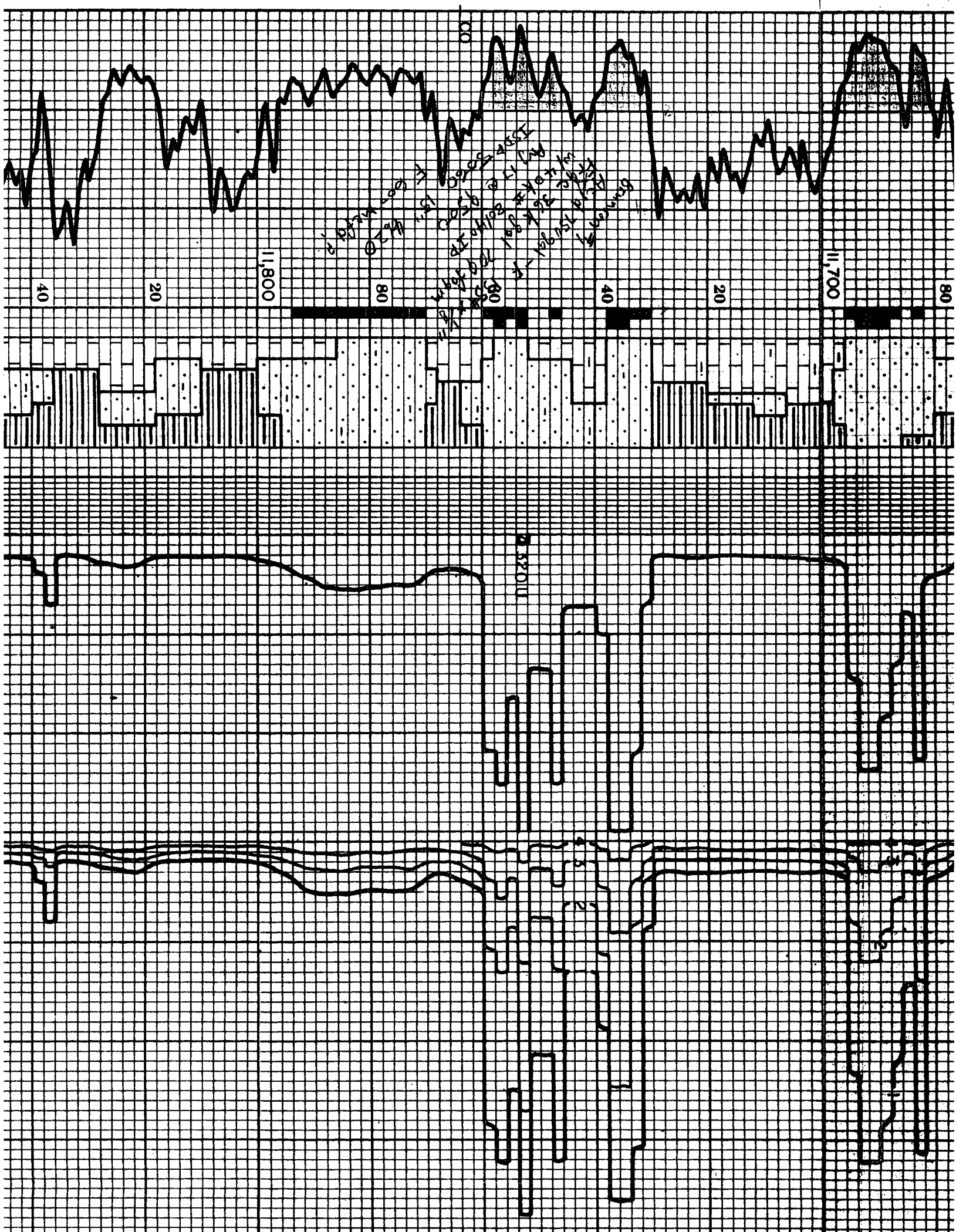
W	V	F	CK	PH	CI	REMARKS



DOL: WH BRN VFX IP
FRM HD ANHY INCL
NFS CO

FILED JUN 08 2000

5/11
169
5/12
0



SS: CLR 600 SBAND-SB ANG MOD-P SRID ABDNT LSE GRB WH CLY COAT LSE CLY TR PYR TR-F IGG NFSCG	LS: MOTLD WH BRN GY FRM HD V ARENS W/ F-MG CLR QTZ SHLY NFSCG	SH: GY SFT SOL + DK GY GY FRM PYRC TR COAL INCL	SS: 30-38, CLR LT GY F-MG SBAND P SRID SME LS CLSTS PYRC CLAUC LSE GRS TR- F IGG NFSCG	SS: 46-60, AA INCR LSE GRS FREE CLY IN SMPLS SME HD TITE NFSCG	SH: DK GY GY FRM HD BLKY SOFISS CALC PYRC SOL IP	SS: CLR ABDNT WH IG CLY 50 SBAND TO SBAND MOD-P SRID FRM TR FRI CLAUC TR PYR TR FRAG LM NFSCG	SH: CK GY FRM HD PYRC CALC + GY SFT SOL PYRC SL GMMY	NOTE: SHAKER MOTOR KICKING OUT. FLUID OVER SHAKER. SMPLS FOOR 11,810-40. LS: LT FRM VFX IP FRM HD TR CLR VF-FX EDGS NFSCG. TR F- CG CLR LSE QTZ IN SMPL	SH: BRN LT BRN SFT SL GMMY SOL PYRC VF
--	--	---	--	---	--	--	--	---	---

HD PYRC CALC
TR SS: CLR CLDY FG
UNCONSL

SS: 48-50, CLR C-FB
ANG-SBRND FRM ABON
LSE GRS TR CLY
PRD UNCONSL NFSCD

SS: 60-75, CLR ~~60-75~~
LSE GRS NO VIS Ø
POSS REV BRK 1P
SBRND SBANG MOD
SRTD FRM-FRI PRED
UNCONSL SME WH IG

SH: OK BRN BRN DK GY
FRM HD CALC PYRC
CARR IP

SH: DK GY GYBRN FRM H
CALC PYRC BLY

LS: WH BRN FRM HD DNS
IP CLN TR OOL CHK
TEX TP MESSCO

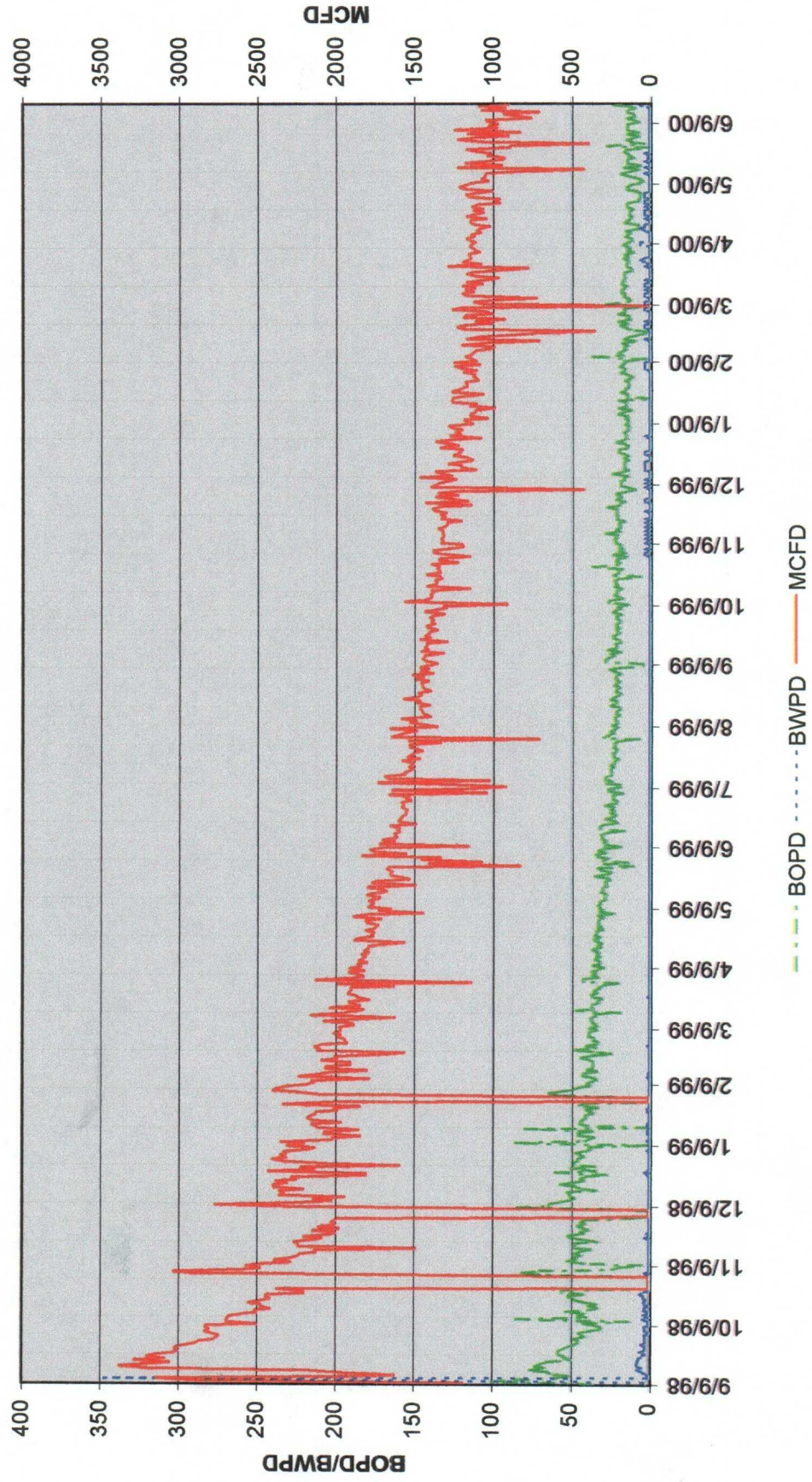
SS: CLR ANG F-MG P

Big Flat ASN State Com #1

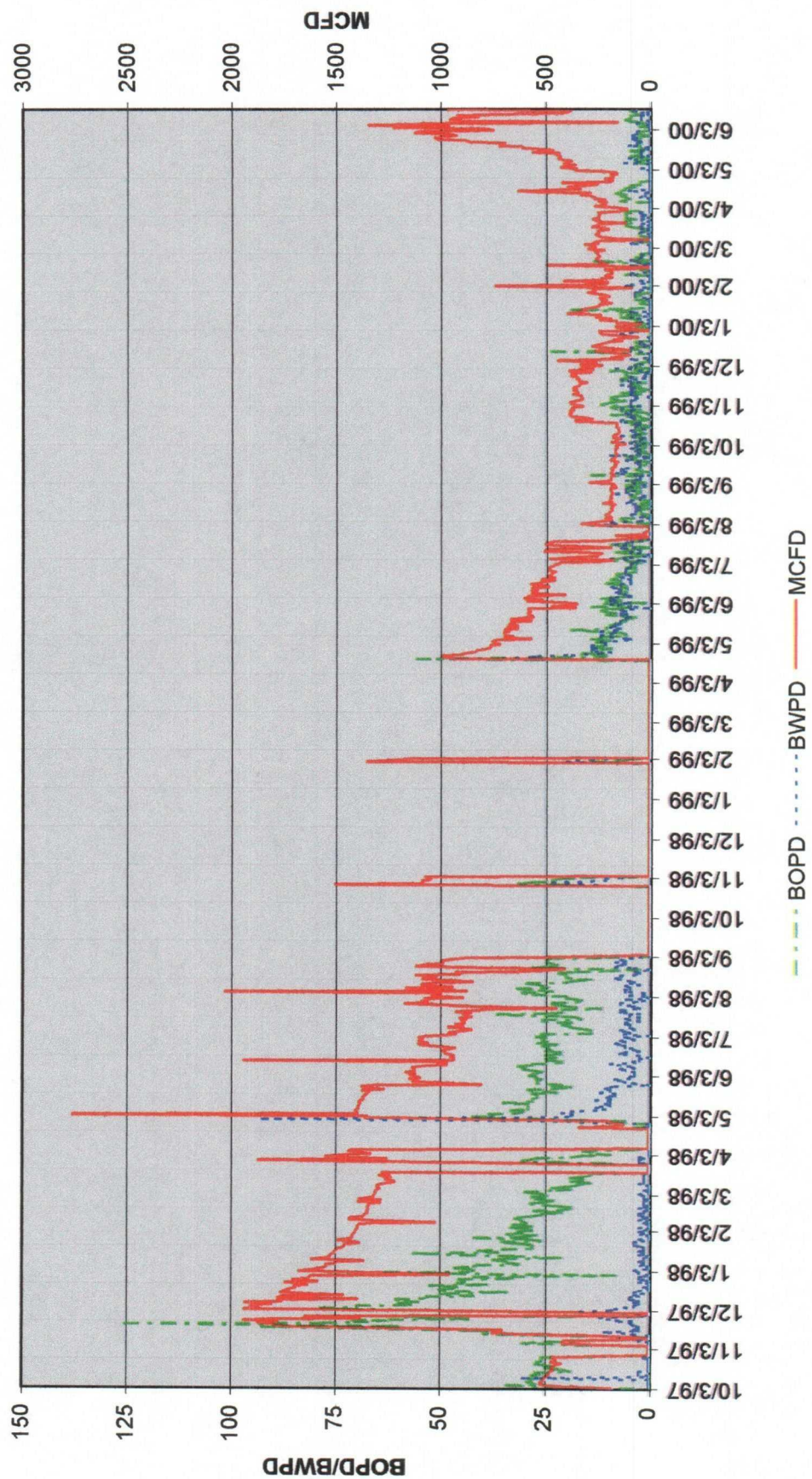
1650'FSL, 1980'FEL

Unit J, Sec. 10-16S-35E

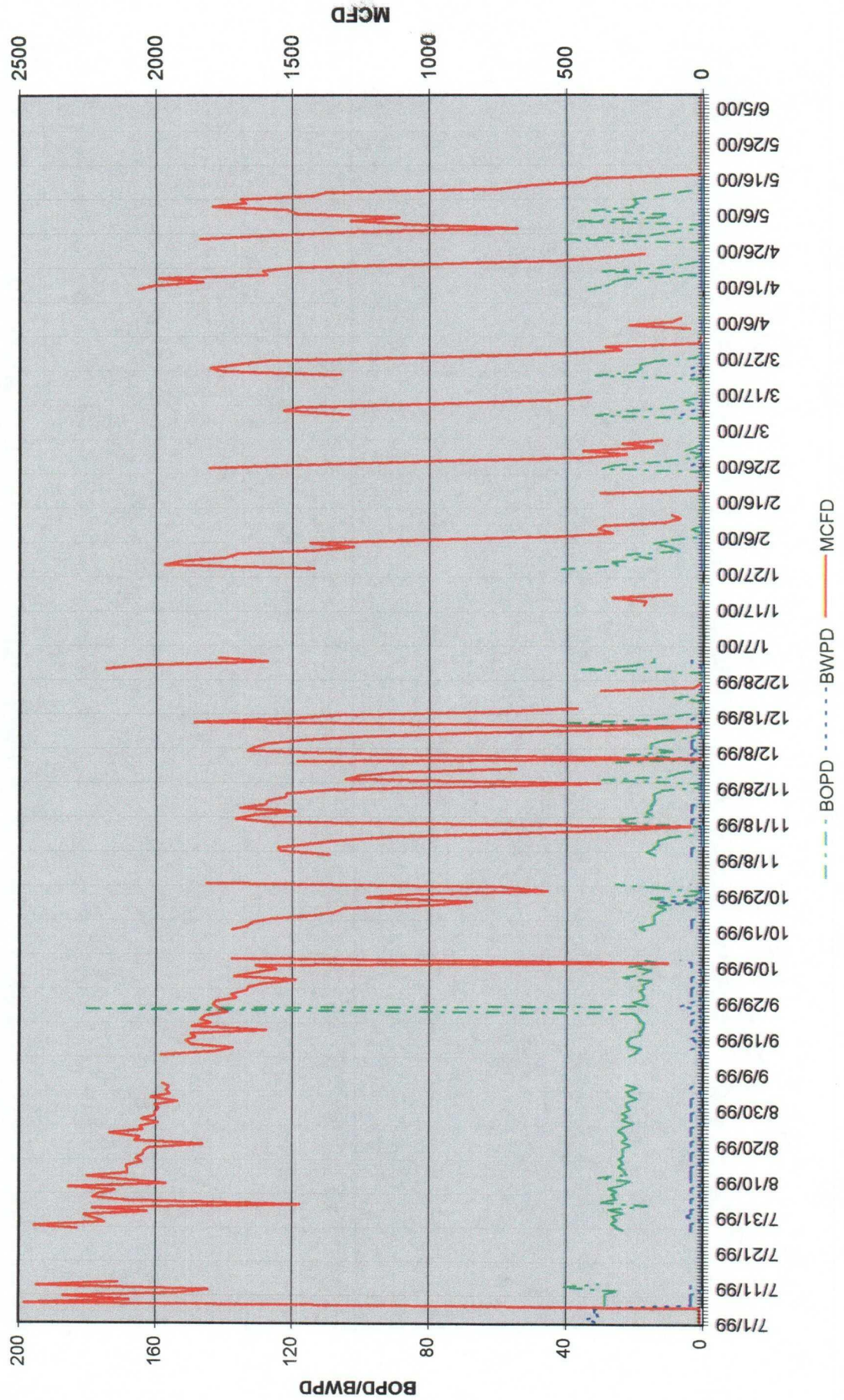
Atoka Daily Production



Brunson AQK State Com #1
 2260'FNL, 1795'FEL
 Unit G, Sec. 10-16S-35E
Atoka Daily Production



RUNNELS ASP #2
1650'FSL, 2270'FEL
Unit J, Sec. 11-16S-35E
Atoka Daily Production

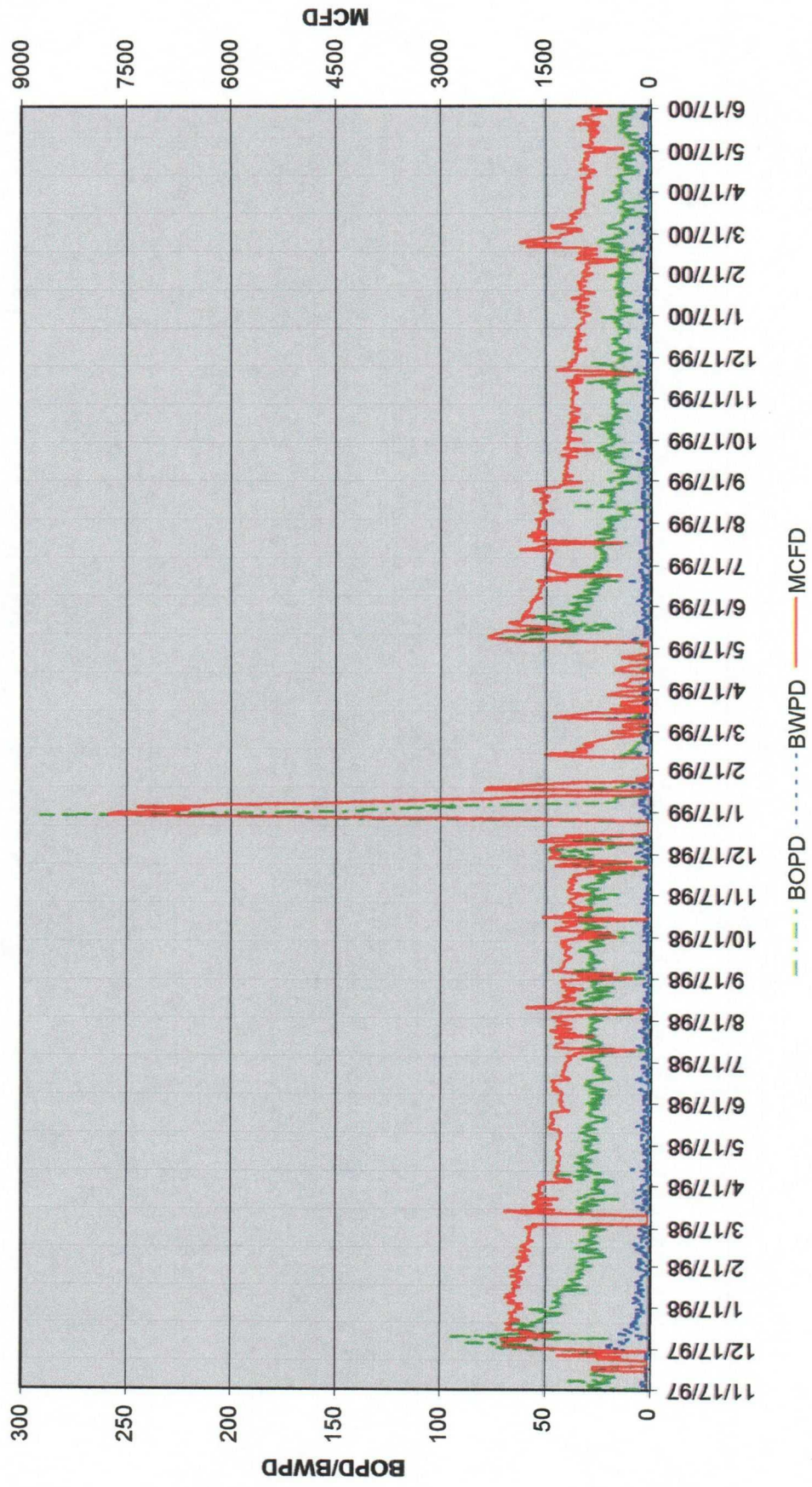


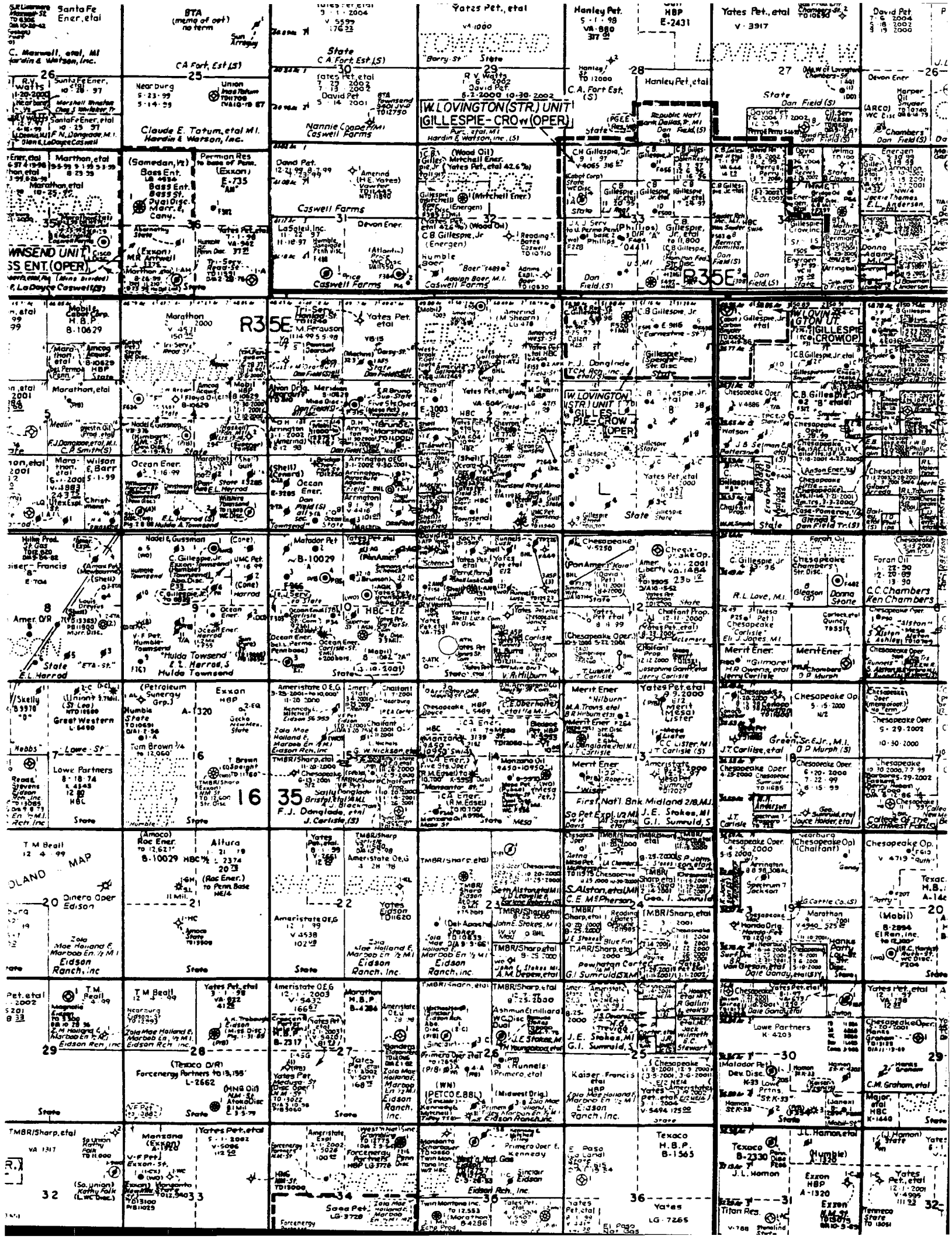
Shell Lusk ANB Com #1

330'FSL, 330'FEL

Unit C, Sec. 11-16S-35E

Atoka Daily Production





☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

' API Number 30-025-34714	' Pool Code	' Pool Name Wildcat Atoka
' Property Code 24895	' Property Name C.O. Jones ATK State	' Well Number 1
' OGRID No. 025575	' Operator Name Yates Petroleum Corporation	' Elevation 3986'

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
L	11	16S	35E		1330	South	1080	West	Lea

¹¹ 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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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**

16			

17 OPERATOR CERTIFICATION

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

Signature
Tina Huerta

Printed Name

Operations Technician

Title

6-27-00

Date

18 SURVEYOR 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 belief.

REFER TO ORIGINAL PLAT

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

The Wildcat Atoka pool has not been completed, there will be no production curve for this zone.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-9719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34714		Pool Code	Pool Name Undesignated Morrow
Property Code 24895	Property Name C.O. Jones ATK State		Well Number 1
OGRID No. 025575	Operator Name Yates Petroleum Corporation		Elevation 3986'

¹⁰ Surface Location

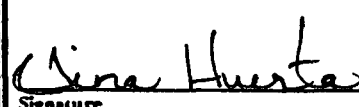
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	11	16S	35E		1330	South	1080	West	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Tina Huerta Printed Name Operations Technician Title 6-27-00 Date
				¹⁸ SURVEYOR 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 belief. REFER TO ORIGINAL PLAT Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

The Undesignated Morrow pool is Shut-In, there will be no production curve for this zone.

YATES PETROLEUM CORPORATION
APPLICATION FOR ADMINISTRATIVE APPROVAL
DOWNHOLE COMMINGLING
OWNERS OF INTEREST
C.O. JONES ATK STATE #1
EDDY COUNTY, NEW MEXICO

Edward N. David
116 West First Street
Roswell, NM 88201

David Petroleum Corporation
116 West First Street
Roswell, NM 88201

Harle, Inc.
22230 SW Taylors Drive
Tualatin, OR 97062

Douglas Koch Company
P. O. Box 540244
Houston, TX 77254-0244

Marathon Oil Company
Mid-Continent Region
P. O. Box 120001
Dallas, TX 75312-0860

McMillan Production Company, Inc.
118 West First Street
Roswell, NM 88201

Michael Allan McMillan
118 West First Street
Roswell, NM 88201

Permian Exploration Corporation
118 West First Street
Roswell, NM 88201

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FRANK W. YATES
1936 - 1986



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SECRETARY
DENNIS G. KINSEY
TREASURER

June 27, 2000

Edward N. David
116 West First Street
Roswell, NM 88201

Dear Sir or Madam,

Yates Petroleum Corporation has made an application for administrative approval for downhole commingling for the C.O. Jones ATK State #1 located in Unit L of Section 11, Township 16 South, Range 35 East, Lea County. Please find a copy of application enclosed. This will serve as notification to any interest owner.

Should you have any questions, or need additional information, please call me at (505) 748-4174.

Sincerely,

Albert R. Stall
Operations Engineer

ARS/th

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1936 - 1986



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June 27, 2000

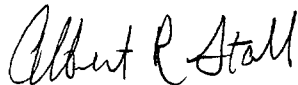
David Petroleum Corporation
116 West First Street
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Dear Sir or Madam,

Yates Petroleum Corporation has made an application for administrative approval for downhole commingling for the C.O. Jones ATK State #1 located in Unit L of Section 11, Township 16 South, Range 35 East, Lea County. Please find a copy of application enclosed. This will serve as notification to any interest owner.

Should you have any questions, or need additional information, please call me at (505) 748-4174.

Sincerely,



Albert R. Stall
Operations Engineer

ARS/th

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

June 27, 2000

Harle, Inc.
22230 SW Taylors Drive
Tualatin, OR 97062

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June 27, 2000

Douglas Koch Company
P. O. Box 540244
Houston, TX 77254-0244

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Sincerely,

A handwritten signature in cursive script that reads 'Albert R. Stall'.

Albert R. Stall
Operations Engineer

ARS/th

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June 27, 2000

Marathon Oil Company
Mid-Continent Region
P. O. Box 120001
Dallas, TX 75312-0860

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June 27, 2000

McMillan Production Company, Inc.
118 West First Street
Roswell, NM 88201

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June 27, 2000

Michael Allan McMillan
118 West First Street
Roswell, NM 88201

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Permian Exploration Corporation
118 West First Street
Roswell, NM 88201

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