



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 15, 1997

Rand Paulson Oil Company, Inc.
4950 N. O'Connor Blvd.
Suite 270
Irving, Texas 75062
Attention: David Brooks

Administrative Order DD-188

Dear Mr. Brooks:

Reference is made to your application dated June 11, 1997 for authorization to complete its A. J. "6" Well No. 1 (API No. 30-025-33763) by side tracking off of the vertical portion of the wellbore and directionally drill to a pre-determined bottomhole gas well location in order to further test the Atoka formation underlying the S/2 equivalent of irregular Section 6, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico.

The Division Director Finds That:

- (1) The subject 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) The A. J. "6" Well No. 1 was drilled earlier this year to a total depth ("TD") of 13,170 feet; a production string of 5-1/2 inch casing was set to TD; however the well tested non-commercial in three separate sets of perforations all within the Pennsylvanian interval;
- (3) The proposed horizontal extension into the Atoka formation is an economical attempt to test for gas production elsewhere within a standard 317.08-acre gas spacing and proration unit that comprises Lots 17 and 18, the E/2 SW/4, and the SE/4 (S/2 equivalent) of said irregular Section 6;
- (4) Any Atoka gas production encountered in this well would be considered "wildcat" production and would therefore be subject to the statewide rules and regulations for gas wells to all horizons of Wolfcamp age or older, as promulgated by Rule

104.B(1)(a), which provides for 320-acre gas spacing and proration units, or drilling units, and requires that wells be located no closer than 660 feet to the nearest side boundary of the designated tract nor closer than 1650 feet to the nearest end boundary, nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary thereon;

- (5) The applicant/operator proposes to complete the subject wellbore by milling a window in the 5-1/2 inch production casing, kick-off in a south-southeasterly direction at an approximate depth of 12,380 feet, build angle at a rate of 35.8 degrees per 100 feet until a deviation of 90 degrees is obtained, and continue to drill horizontally in the Atoka formation a lateral distance of 250 feet;
- (6) The applicable drilling window or "producing area" for said wellbore should include that area within the NW/4 SE/4 (Unit R) of said irregular Section 6 that is no closer than 660 feet to the quarter section line to the north, nor closer than 330 feet from any of the three quarter-quarter section lines to the east, south and west; 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 operator, Rand Paulson Oil Company, Inc., is hereby authorized to complete its A. J. "6" Well No. 1 (API No. 30-025-33763), located at a standard surface gas well location 1980 feet from the South and East lines (Unit R) of irregular Section 6, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico, by milling out a window in the 5-1/2 inch production casing string and kicking-off at a depth of 12,380 feet in a south-southeasterly direction, building angle at a rate of 35.8 degrees per 100 feet until a deviation of 90 degrees is obtained, and continue drilling horizontally in the Atoka formation a lateral distance of 250 feet.

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 Hobbs 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 Hobbs offices of the Division upon completion.

(3) Lots 17 and 18, the E/2 SW/4, and the SE/4 (S/2 equivalent) of said irregular Section 6 is to be dedicated to said to form a standard 317.08-acre gas spacing and proration for said interval.

(4) The "producing area" for said wellbore shall include that area within the NW/4 SE/4 (Unit R) of said Section 6 that is no closer than 660 feet to the quarter section line to the north, nor closer than 330 feet from any of the three quarter-quarter section lines to the east, south and west.

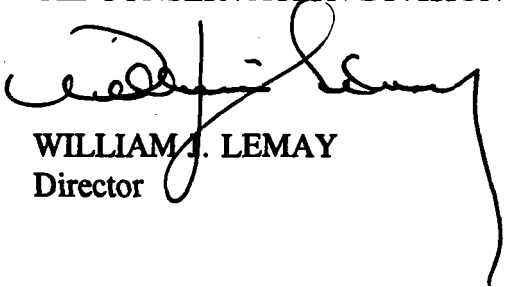
(5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F and 104.B.

(6) 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.

(7) 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 - Hobbs

DD-Rand

Received 6-12-97

Susp. 7-2-97

Released 7-15-97

July 15, 1997

Rand Paulson Oil Company, Inc.
4950 N. O'Connor Blvd.
Suite 270
Irving, Texas 75062

Attention: David Brooks

188
Administrative Order DD-****

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wells to all horizons of Wolfcamp age or older, as promulgated by Rule 104.B(1)(a), which provides for 320-acre gas spacing and proration units, or drilling units, and requires that wells be located no closer than 660 feet to the nearest side boundary of the designated tract nor closer than 1650 feet to the nearest end boundary, nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary thereon;

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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.

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(5) 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 104.B.

(6) 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.

(7) 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 - Hobbs

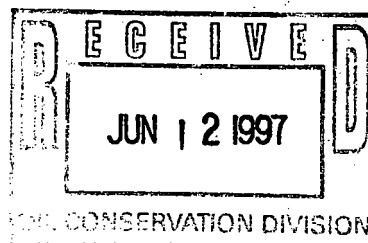
EGC

A
RAND
PAULSON
EXPLORATORY
GAS & OIL
COMPANY

June 11, 1997

Mr. David Catanach
State of New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

RE: AJ 6 Well No. 1
South 317.08 acres of Section 6-T16S-R35E
Lea County, New Mexico



Dear Mr. Catanach:

Rand Paulson Oil Company, Inc. hereby requests a permit to directionally drill the referenced well from a surface location of 1980' from the South line and 1980' from the East line of Section 6 to a bottom hole location of 1650' from the South line and 1650' from the East line of Section 6. Said well shall be drilled to a total verticle depth of 12,540' to test the Morrow Formation. In order to minimize economic waste, Rand Paulson Oil Company, Inc. intends to use the existing well bore and directionally drill said well to a more favorable bottom hole location.

Enclosed are the required plats, surveys and logs. All offset operators as indicated on the attached plat have been sent notification of this permit application via certified mail, return receipt requested on June 11, 1997.

Very truly yours,

David Brooks

David Brooks
Land Manager

*Gave David Brooks
Verbal to
Start drilling at
own risk
6/12/97
DHC*

*Aloha Horizontal
Test*



**DIRECTIONAL
INVESTMENT
GUIDANCE, INC.**

P.O. BOX 7238

MIDLAND, TEXAS 79708

915/697-1490

June 4, 1997

Rand Paulson Oil & Gas Company
J.W. Mulloy Associates, Inc
508 W. Wall, Ste. 100
Midland, Texas 79701

Attn: J.W. Mulloy

RE: AJ "6" #1
Lea County, New Mexico

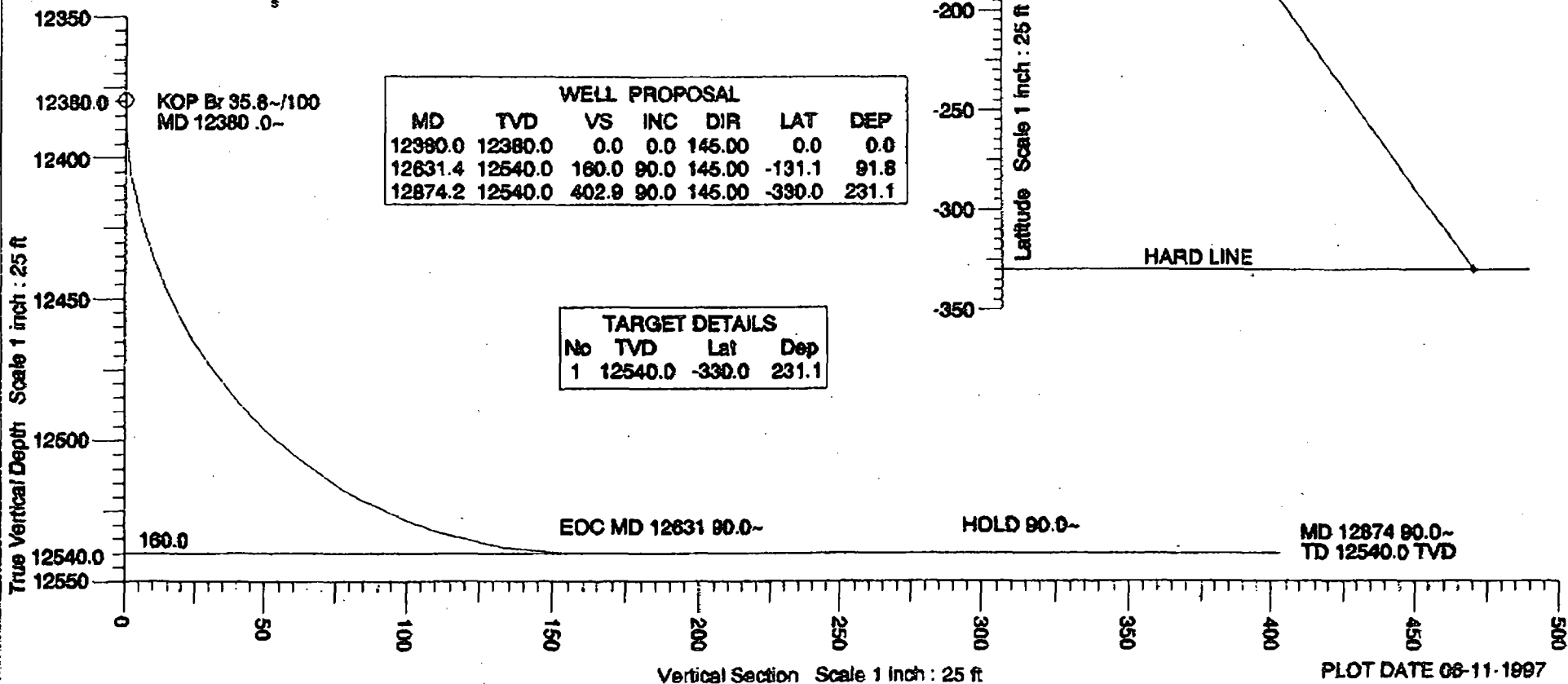
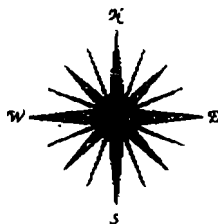
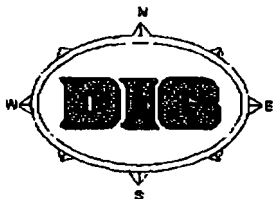
Dear Mr. Mulloy

In response to your request for a cost estimate for Casing Whipstock services on the AJ "6" No. 1 Well located in Lea County, New Mexico, we respectfully submit the following proposal.

CASING WHIPSTOCK RECOMMENDED PROCEDURE 5-1/2" 20# CASING

1. Set Cast Iron Bridge Plug at 12,389' (3' below casing collar @ 12,386').
2. Go in hole with 5-1/2" Bottom Trip Casing Whipstock and Starting Mill and set Casing Whipstock. Shear Pin and Mill approximately 2' to start window and to mill off setting lug. Trip out of Hole.
3. Go in Hole with 4-1/2" Cutrite Speed Mill and Mill approximately 8' and trip out of hole.
4. Go in hole with 4-1/2" Cutrite Speed Mill and 4-1/2" String Mill and finish cutting Window (approximately 3') and Drill 5' to 8' of Rat Hole. Trip out of hole for horizontal assembly.

RAND PAULSON OIL & GAS COMPANY
AJ "6" #1
LEA COUNTY, NEW MEXICO



AJ6 AJ 6 #1 6-11-97

Plane of Vertical Section 145.00

Section 1 (Const Build/Turn)

MD	Inc	Dir	Tvd	Vsec	Lat	Dep	Values to be applied			
							Build	Turn	Dleg	T Face
12380.0	0.00	145.00	12380.0	0.0	0.0	0.0	35.8	0.0	35.8	0.0
12400.0	7.16	145.00	12399.9	1.2	-1.0	0.7	35.8	0.0	35.8	0.0
12450.0	25.06	145.00	12447.8	15.1	-12.3	8.6	35.8	0.0	35.8	0.0
12500.0	42.96	145.00	12489.1	42.9	-35.2	24.6	35.8	0.0	35.8	0.0
12550.0	60.86	145.00	12519.8	82.1	-67.3	47.1	35.8	0.0	35.8	0.0
12600.0	78.76	145.00	12537.0	128.8	-105.5	73.9	35.8	0.0	35.8	0.0

Section 2 (Const Build/Turn)

MD	Inc	Dir	Tvd	Vsec	Lat	Dep	Values to be applied			
							Build	Turn	Dleg	T Face
12631.4	90.00	145.00	12540.0	160.0	-131.1	91.8	0.0	0.0	0.0	0.0
12650.0	90.00	145.00	12540.0	178.6	-146.3	102.5	0.0	0.0	0.0	0.0
12700.0	90.01	145.00	12540.0	228.6	-187.3	131.1	0.0	0.0	0.0	0.0
12750.0	90.01	145.00	12540.0	278.6	-228.3	159.8	0.0	0.0	0.0	0.0
12800.0	90.01	145.00	12540.0	328.6	-269.2	188.5	0.0	0.0	0.0	0.0
12850.0	90.02	145.00	12540.0	378.6	-310.2	217.2	0.0	0.0	0.0	0.0
12874.2	90.02	145.00	12540.0	402.9	-330.0	231.1	0.0	0.0	0.0	0.0

DISTRICT I

P.O. Box 1660, Hobbs, NM 88241-1660

DISTRICT II

P.O. Drawer DD, Artesia, NM 88211-0718

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 1 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name Wildcat
Property Code	Property Name A.J. "6"	Well Number 1
OGRID No. 159123	Operator Name RAND PAULSON OIL COMPANY INC.	Elevation 4055

Surface Location

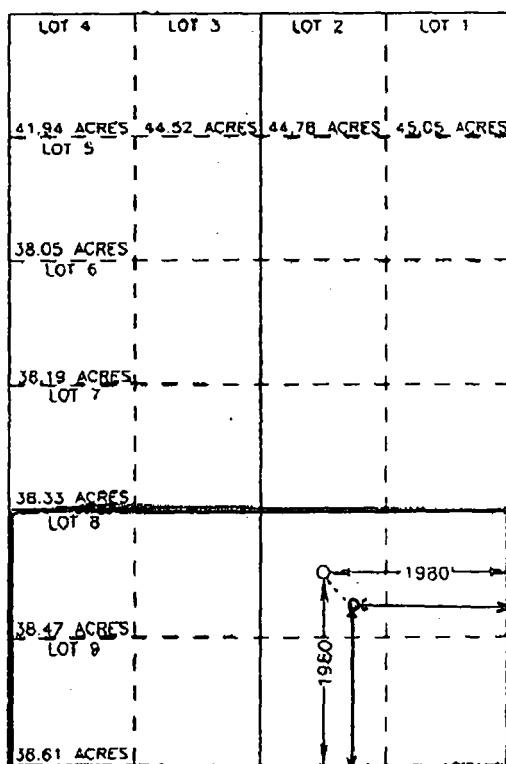
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
R	6	16 S	35 E		1980	SOUTH	1980	EAST	LEA

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
R	6	16S	35E		1650	Southe	1650	East	Lea

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
±320	N	PENDING	

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 the the information
contained herein is true and complete to the
best of my knowledge and belief.

Signature

David Brooks

Printed Name

Land Manager

Title

June 10, 1997

Date

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.

DEC. 12, 1996

Date Surveyed

DMCC

Signature & Seal
Professional Surveyor

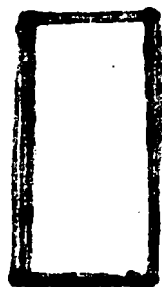
Ronald E. Eidson
RONALD E. EIDSON
12-16-96
12-11-16-96
NEW MEXICO
PROFESSIONAL SURVEYOR

Certificate No. JOHN W. WEST
RONALD E. EIDSON
12-11-16-96

676
J239
264

Great Western Drilling, Co. N/2 Sec. 1-T16S-R34E	Rand Paulson Oil Company, Inc. Domain Energy Production Corp. N/2 Sec. 6-T16S-R35E	Sugarberry Oil & Gas Lynn Medlin Billy Medlin Minnie Taylor June D. Speight N/2 Sec. 5-T16S-R35E
Daisey C. Clayton G. Dean Sowell S/2 Sec. 1-T16S-R34E	Rand Paulson Oil Company, Inc. Domain Energy Production Corp. AJ 6 Well No. 1 (Surface Location) S/2 Sec. 6-T16S-R35E	Marathon Oil Company State of New Mexico Scott Wilson S/2 Sec. 5-T16S-R35E
Beulah Wood Kianey Family Tr. William L. Evans, Trustee Esando, Ltd. Jo Lee Stillwell Norman D. Newbury, et ux Mary E. Schutz Smith Martin R. Swift Francis W. Cook Hazel I. Kircher Raymond F. Kircher Edward M. Lancaster Corinne Kircher Ann Swift Evans Laura Pendleton Claude Headen, Jr. Estate of Kara Denise Martin Norman D. Newbury, et ux Leroy Sumruld	Rand Paulson Oil Company, Inc. Domain Energy Production Corp. Enron Oil & Gas Exxon, USA N/2 Sec. 7-T16S-R35E	Kaiser-Francis Oil Company N/2 Sec. 8-T16S-R35E

N/2 Sec 12-T16S-R34E



DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-025-33763
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER
2. Name of Operator Rand Paulson Oil Company, Inc.
3. Address of Operator 508 W. Wall, Ste. 100 Midland, TX 79701

7. Lease Name or Unit Agreement Name A. J. 6
8. Well No. 1
9. Pool name or Wildcat Wildcat

4. Well Location Unit Letter R : 1980 Feet From The East Line and 1980 Feet From The South Line
--

Section 6 Township 16-S Range 35-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
4055' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	
OTHER: <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: Perforate & Test <input checked="" type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

3-12-97 PERFORATED 13,114' - 131'. 34 Holes. Acideized with 750 gals. No production. Set CIBP @ 13,020' & cap with 35' cement.

3-14-97 PERFORATED 12,532' - 553' & 12,556 - 565'. 60 Holes. Acidized with 9000 gals in 3 attempts. No production.

4-01-97 SET CIBP @ 12,480' & cap with 35' cement. PERFORATED 11,404' - 11,412'. 16 Holes. Acidized with 6500 gals acid. No production.

4-05-97 SET CIBP @ 11,355' & cap with 35' cement. PERFORATED 11,237' - 250'. 28 Holes. Acidized with 7000 gals in 2 stages. REC 80 BLW. Shut well in until deciding next operation.

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

SIGNATURE O. H. Routh TITLE Agent DATE 4-30-97

TYPE OR PRINT NAME O. H. Routh TELEPHONE NO 915-687-037

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE MAY 06 1997

CONDITIONS OF APPROVAL, IF ANY:

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-33763
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	AJ 6
8. Well No.	1
9. Pool name or Wildcat	Wildcat
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	4055 GR

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	2. Name of Operator Rand Paulson Oil Company, Inc.
3. Address of Operator 508 W. Wall Ste 100 Midland, Texas 79701	4. Well Location Unit Letter <u>R</u> : <u>1980</u> Feet From The <u>East</u> Line and <u>1980</u> Feet From The <u>South</u> Line Section <u>6</u> Township <u>16 S</u> Range <u>35-E</u> NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4055 GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1-15-97 MIRU TMBR/Sharp Rig 24. Spud well @ 3:30 PM 1-15-97. Drill 17 1/2 hole to 405'. Set 13 3/8" 54.5# J-55 STC casing @ 405'. Cemented w/450 sx Class C + 2% CaCl₂. Circ 15 sx to surf. WOC 12 hrs.
- 1-16-97 Cut off casing. NU head and BOP. Test casing and BOP to 1000 psi.
- 1-17 to
- 1-23-97 Drill 11" hole to 4595'. Ran 8 5/8" 32# J-55 and S-80 to 4595'. Cmt w/1100 sx C + 3% SMS + 200 sx C Neat. WOC 8 hrs. Ran temp survey. TOC @ 429'. Cut off csg. NU head and BOP. Test BOP 2500 psi. OK. Test casing - 1500 psi. OK.
- 1-25-97 Drilling 7 7/8" hole @ 5270'. Drilling ahead.

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

SIGNATURE [Signature] TITLE Agent DATE 1-27-97

TYPE OR PRINT NAME O. H. Routh TELEPHONE NO. 915/687-03

(This space for State Use)

APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR DATE JAN 30 1997

CONDITIONS OF APPROVAL, IF ANY:

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
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-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address. Rand Paulson Oil Company, Inc. 508 W. Wall, Ste 100 Midland, Texas 79701		OGRID Number 159123
Property Code 20129		Property Name A.J. "6"
		Well No. 1
		API Number 30-025-33763

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
R	6	16-S	35-E		1980	South	1980	East	Lea

8 Proposed 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
Proposed Pool 1 Wildcat					Proposed Pool 2				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	G	R	P	4055
Multiple	Proposed Depth	Formation	Contractor	Spud Date
NO	13,500'	Chester-U.Miss	TMBR/Sharp	Rig Available

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8"	54.548#	400	400	Surface
11	8 5/8"	32#	4600	1100	Surface
7 7/8	5 1/2"	17#	13,500	850	8500'

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Propose to drill an upper Mississippian well to 13,500'. Cement will be circulated to surface on 13 3/8" and 8 5/8". Plan to test significant shows and evaluate with adequate logging program. Completion or abandonment will be performed in accordance with prudent practices and regulatory requirements. A double ram series 900 BOP and choke manifold will be used from 8 5/8" casing to total depth.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

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

Signature:

O. H. Routh

Printed name:

O. H. Routh

Title:

Agent

Date:

12/30/96

Phone:

915/687-0323

OIL CONSERVATION DIVISION

Approved by:

James Lerch

Title:

DISTRICT 1 SUPERVISOR

Approval Date:

JAN 07 1997

Expiration Date:

Conditions of Approval:

Attached ☐

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

State of New Mexico
Energy, Minerals and Natural Resources Department

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

DISTRICT III
000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-33763	Pool Code ✓	Pool Name WILDCAT
Property Code 20129	Property Name A.J. "6"	Well Number 1
OCRID No. 159123	Operator Name RAND PAULSON OIL COMPANY INC.	Elevation 4055

Surface Location

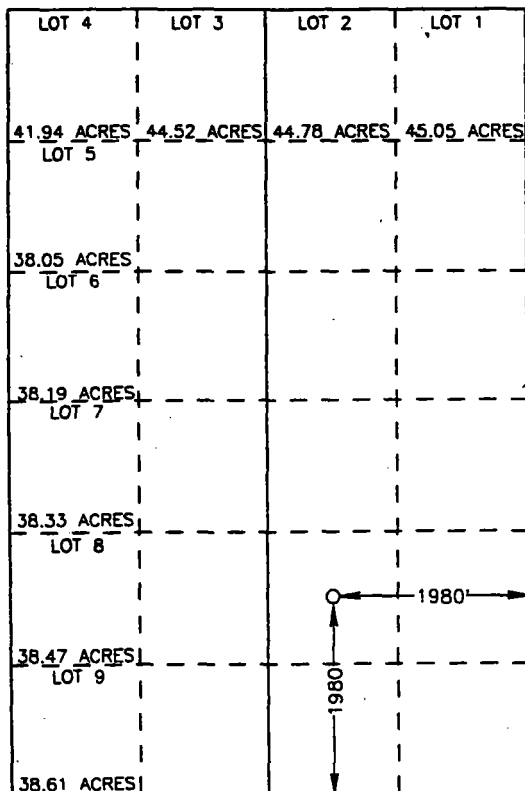
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
R	6	16 S	35 E		1980	SOUTH	1980	EAST	LEA

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 Acres + 320	Joint or Infill N	Consolidation Code PENDING	Order No.
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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 the information contained herein is true and complete to the best of my knowledge and belief.

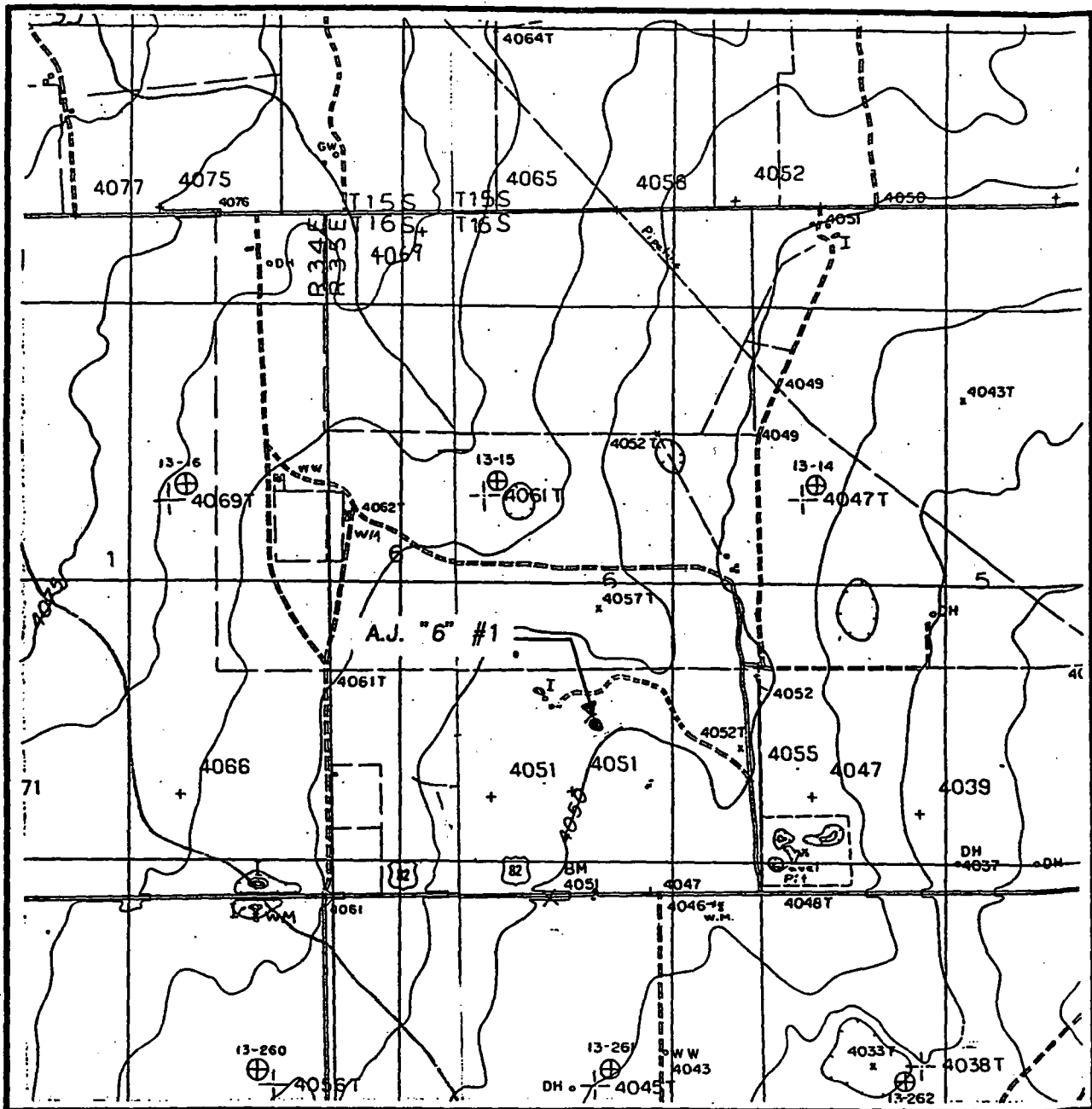
[Signature]
Signature
O.H. ROUTH
Printed Name
AGENT
Title
12-30-96
Date

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.

DEC. 12, 1996
Date Surveyed
Signature of Professional Surveyor
Professional Surveyor
Certificate No. JOHN W. WEST 676
BOB J. EIDSON 3239
CARM EIDSON 12641

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
LOVINGTON NW - 5'
BUCKEYE NE - 5'

SEC. 6 TWP. 16-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980' FSL & 1980' FEL

ELEVATION 4055

OPERATOR A.J. "6"

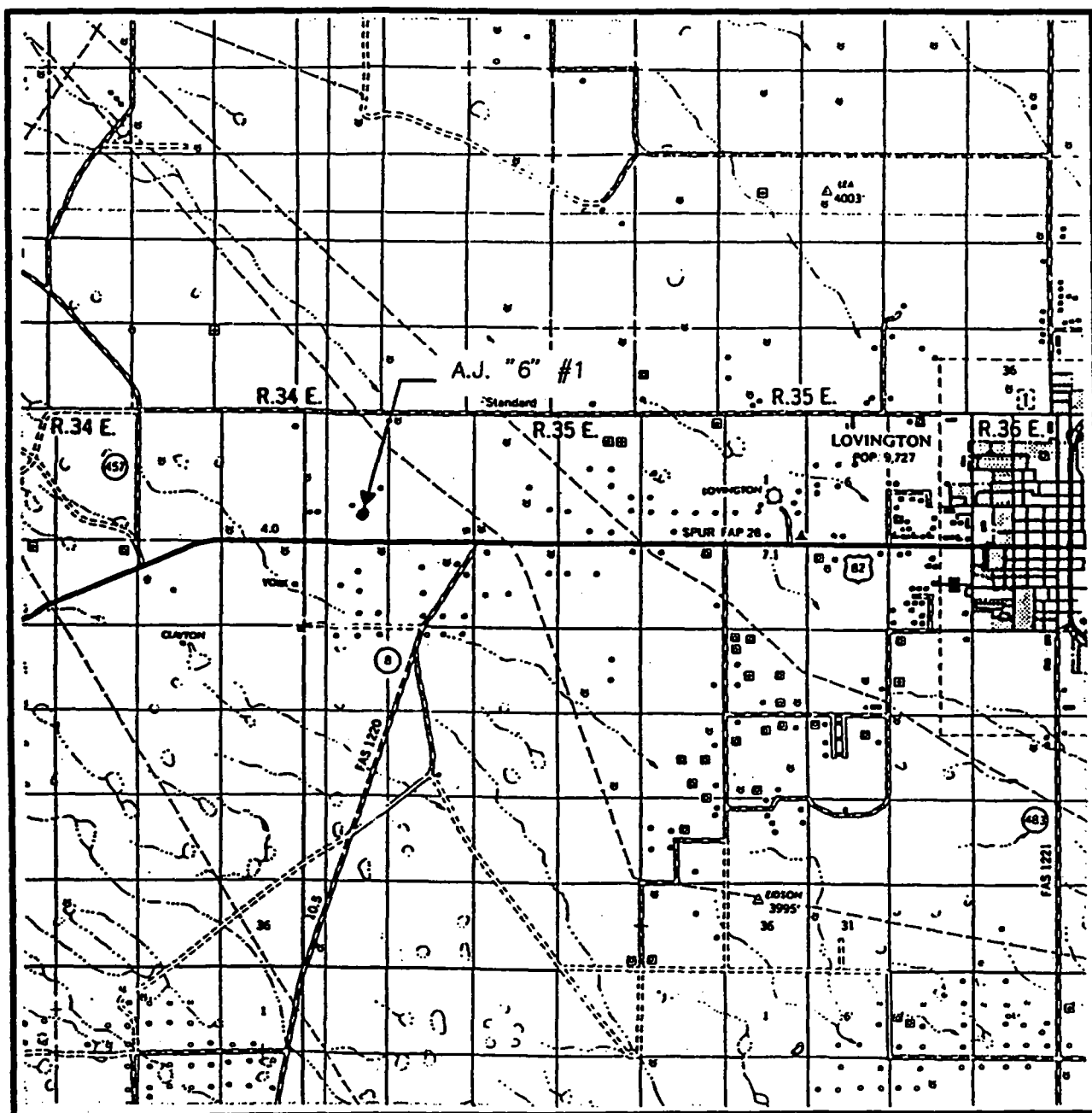
LEASE RAND PAULSON OIL COMPANY INC.

U.S.G.S. TOPOGRAPHIC MAP

LOVINGTON NW, BUCKEYE NE, N.M.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 6 TWP. 16-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980' FSL & 1980' FEL

ELEVATION 4055

OPERATOR A.J. "6"

LEASE RAND PAULSON OIL COMPANY INC.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

WRS COMPLETION REPORTCOMPLETIONS SEC 6 TWP 16S RGE 35E
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NMEX LEA * 1980FSL 1980FEL SEC

STATE COUNTY FOOTAGE SPOT

RAND PAULSON OIL

WD WD

OPERATOR

WELL CLASS INIT FIN

1

AJ '6'

WELL NO. LEASE NAME

4069KB 4055GR

WILDCAT

OPER ELEV FIELD/POOL/AREA

API 30-025-33763-0000

LEASE NO. PERMIT OR WELL I.D. NO.

01/15/1997 06/10/1997 ROTARY VERT TA

SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS

13500 MSSP TMBR SHARP DRLG 24 RIG SUB 13

PROJ. DEPTH PROJ. FORM CONTRACTOR

DTD 13170 FM/TD MSSP

DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION2 MI W LOVINGTON, NM
1.25 MI N/10674 (PSLV) OIL PROD IN TOWNSEND FIELD**CASING/LINER DATA**

CSG 13 3/8 @ 400

CSG 8 5/8 @ 4640

CSG 5 1/2 @13170

DRILLING MEDIA /TYPE,DEPTH/

3914	10.4	4100	9.5	6706	8.4	9978	9.0	PPG
11000	9.3	11750	9.0	12100	9.5			PPG

DRILLING PROGRESS DETAILS

	RAND PAULSON OIL
	4950 N OCONNOR BLVD
	STE 270
	IRVING, TX 75062
	972-717-9798
01/07	LOC/1997/
01/14	PREP MIRT
01/20	DRLG 3914, ANHY, MUD WT 10.4, VIS 36,
	PH 11
01/21	DRLG 4100, MUD WT 9.5, VIS 33
01/27	DRLG 6706, DOLO, MUD WT 8.4, VIS 28
02/03	DRLG 9978, DOLO, LM, MUD WT 9, VIS 39
02/13	DRLG 11000, MUD WT 9.3, VIS 37

CONTINUED IC# 300257001797

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Petroleum Information/
Dwights LLCPI/D-WRS-GET
Form No187

COMPLETIONS SEC 6 TWP 16S RGE 35E
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RAND PAULSON OIL
1 AJ '6'

WD WD

DRILLING PROGRESS DETAILS

02/21 DRLG 11750, MUD WT 9, VIS 40
02/27 DRLG 12100, MUD WT 9.5, VIS 45
03/06 13170 TD, WOCT
03/18 13170 TD, MICT
03/27 13170 TD, TSTG
04/22 13170 TD, SI WOO
06/16 OPER RPTS COMP ATTEMPT IN 3 ZONES, DETAILS NOT
RELEASED
RIG REL 03/05/97
06/16 13170 TD,
COMP 6/10/97, TEMP ABND
NO CORES OR TESTS RPTD

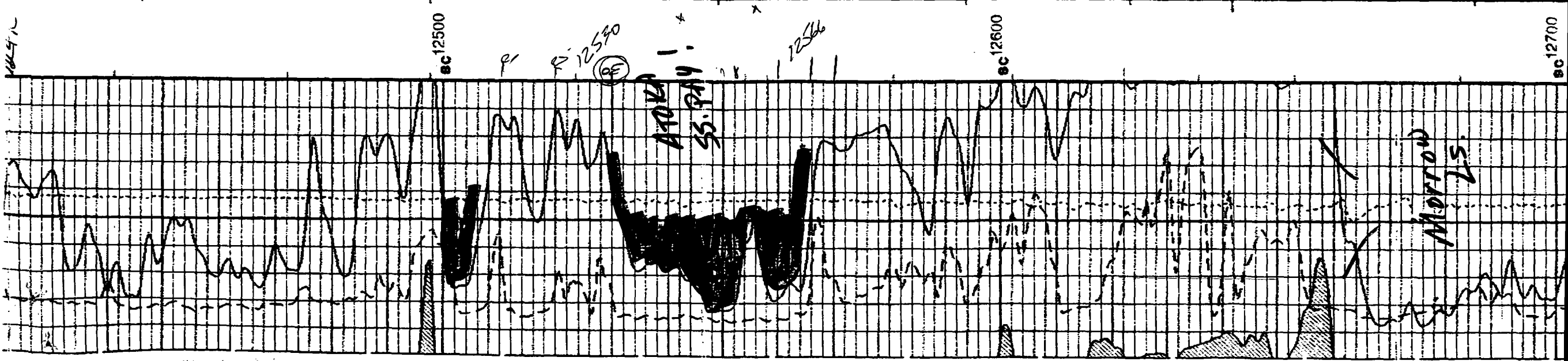
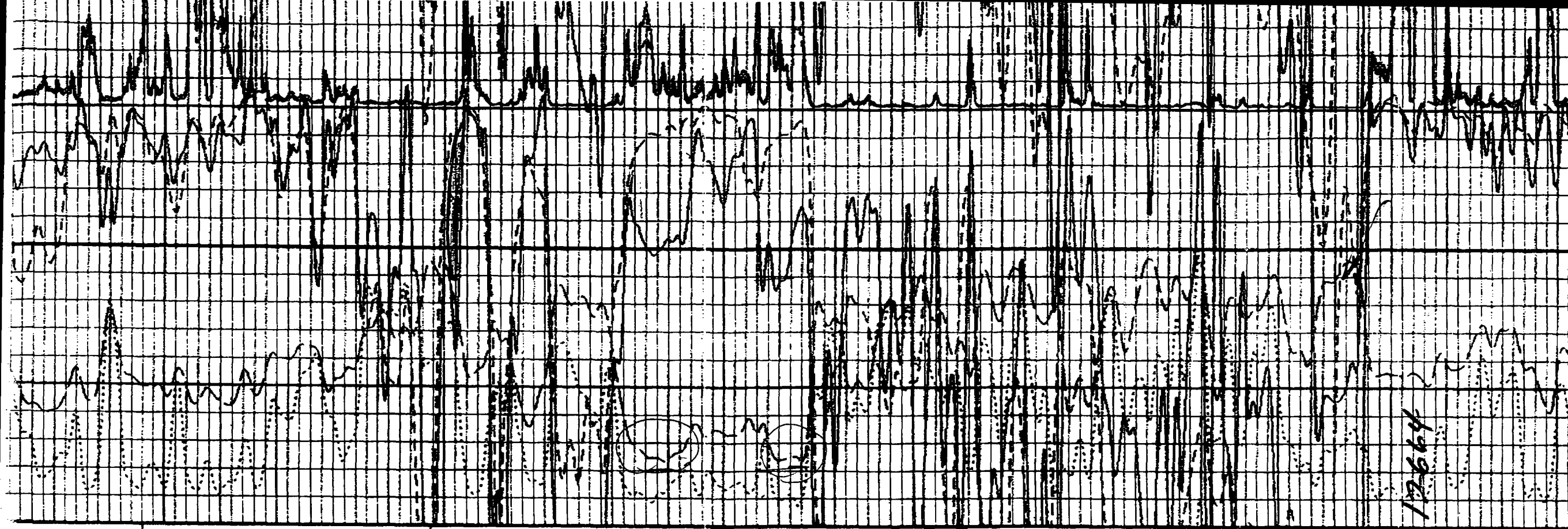
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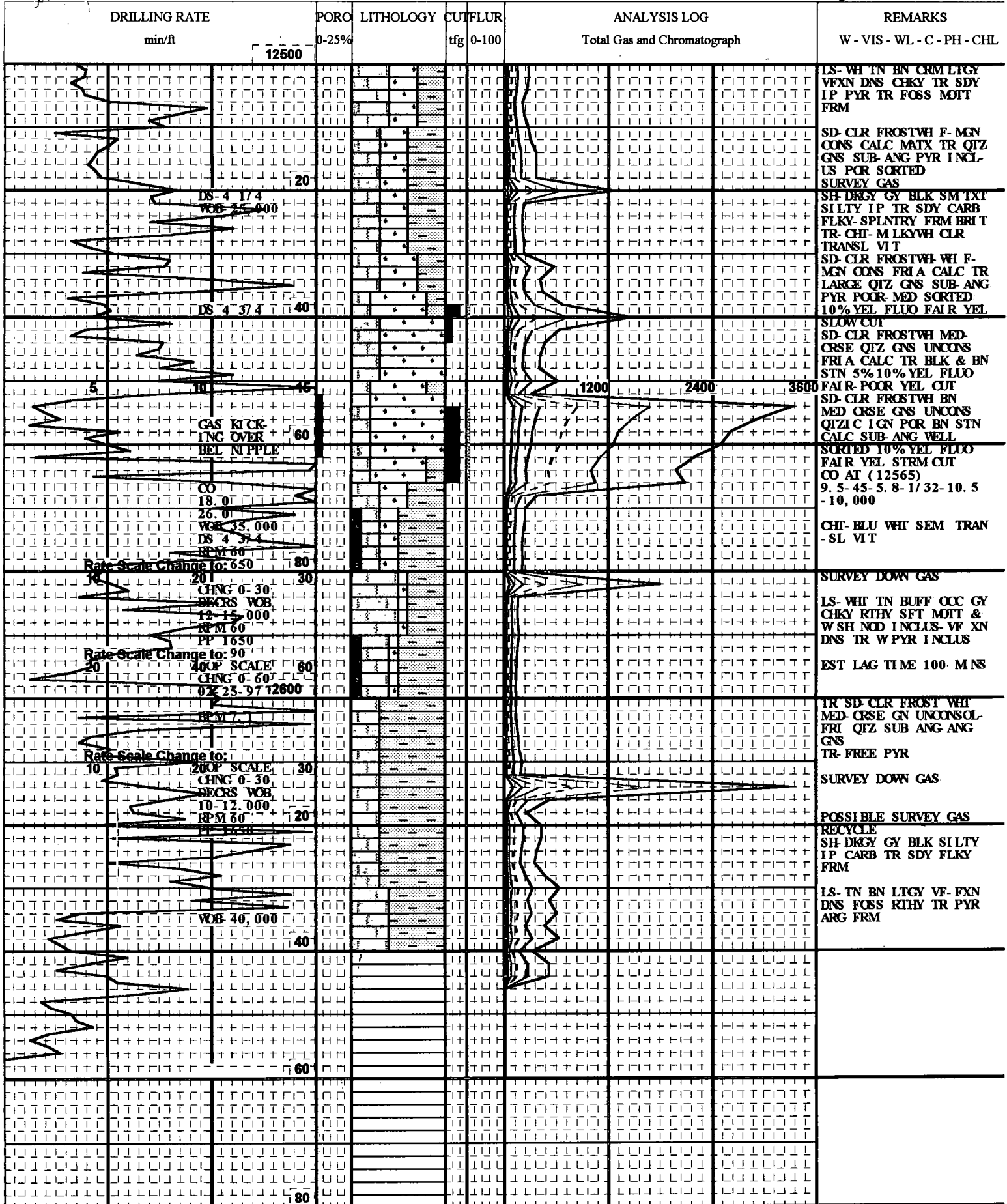
17 38.47 Federal owned	K 40.00 Fee owned	J 40.00 Fee owned P	I 40.00 Fee owned
18 38.61 Federal owned	N 40.00 Fee owned	O 40.00 Fee owned A	P 40.00 Fee owned

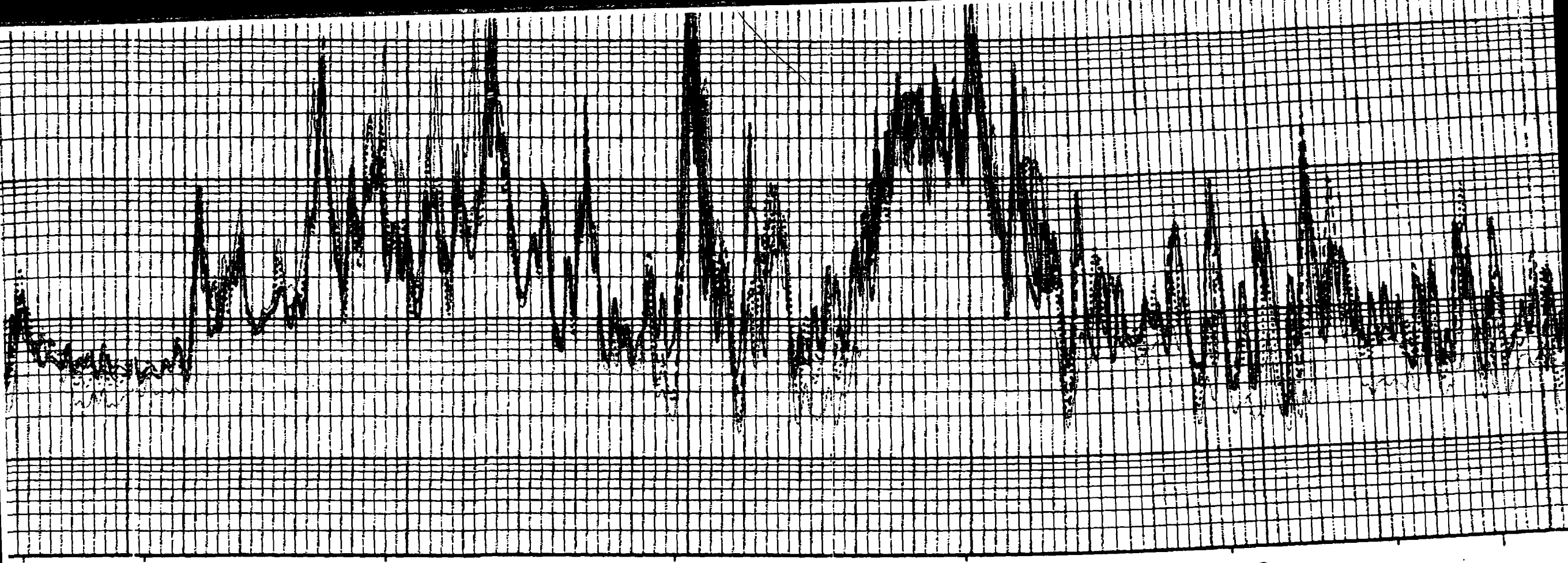
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PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

24
77.08

317.08 →



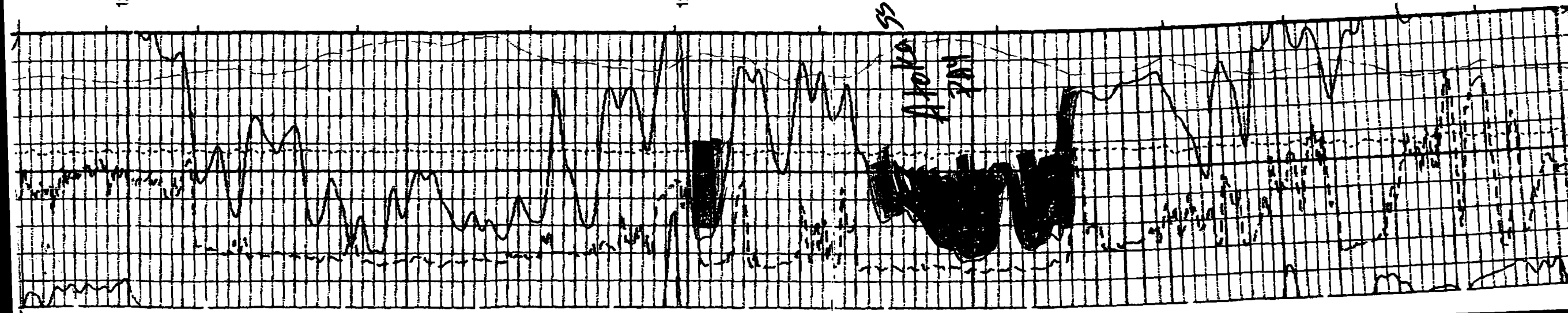




12400

12500

12600



SS

A 1010

741

12400

