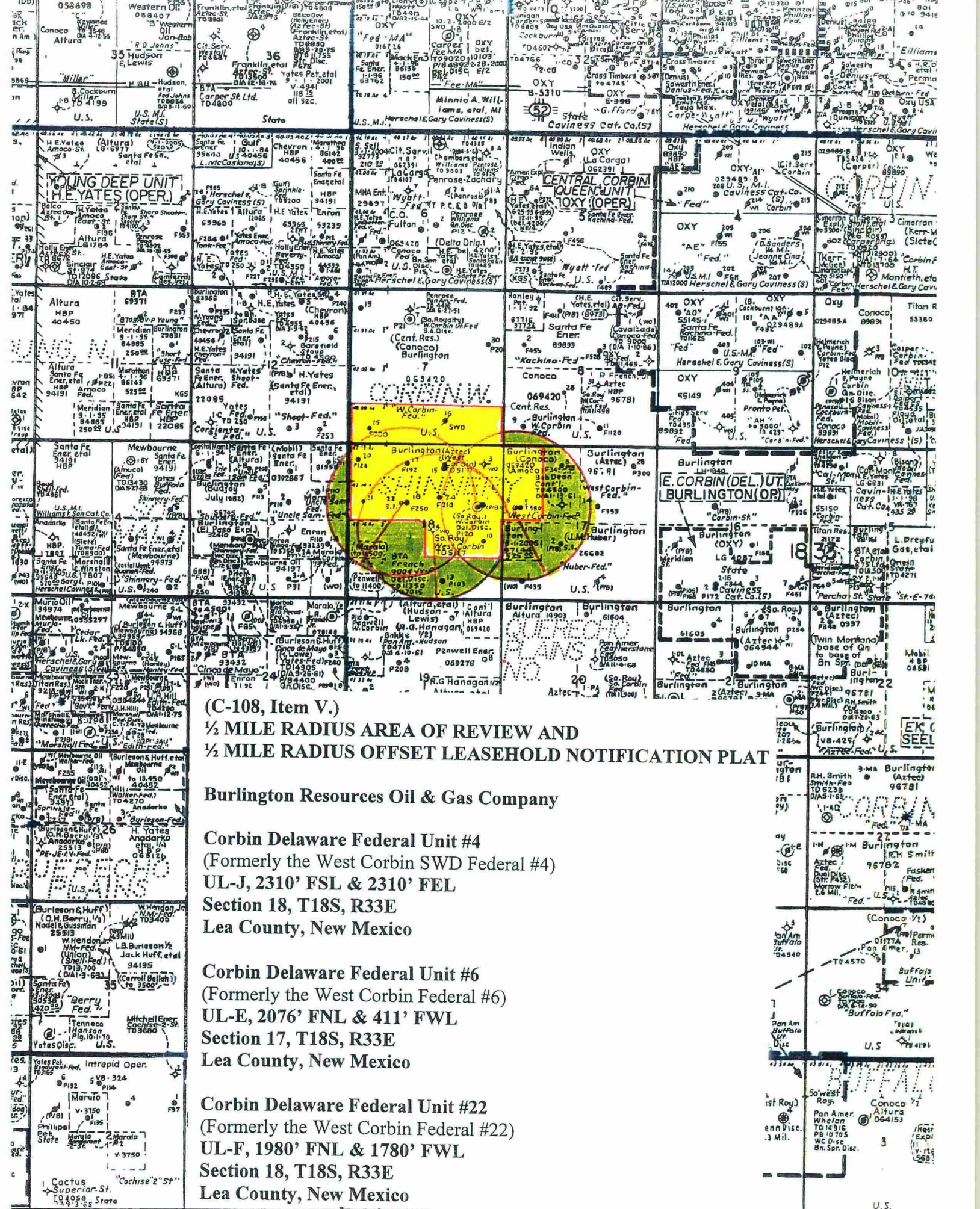




CORBIN (DELAWARE) UNIT
AREA OF REVIEW

SURFACE CASING										PRODUCTION CASING				
WELL NAME	OPERATOR	LOCATION	TYPE OF WELL	SPUD DATE	COMP DATE	TD PBD	COMP INTERVAL	SIZE	DEPTH	CEMENT	SIZE	DEPTH	CEMENT	PROD PERFS (ZONE)
Continental-Fed #1	Bob Dean, Ltd	1980 FNL 1980 FWL SEC 17, T18S, R33E	D&A-O	12/26/60	1/12/61	4,500		8 5/8"	246'	150 SX				D&A-O
TOC									Surf		PERFS:	No Perfs		
N. Corbin Fed #5	Southland Roy	2080 FNL 560 FWL Sec 17, T18S, R33E	Oil	6/29/85	8/29/85	11,427 11,261	11,049 - 11,260	13 3/8	354	400 SX	5 1/2	11,427	1,000	Wolfcamp
TOC									5,310'		PERFS:	11,049	11,333	
luber "17" Fed #1	Southland Roy	660 FSL 660 FWL Sec 17, T18S, R33E	Oil	10/2/85	1/3/86	11440 11,000	10,870 - 10,910	13 3/8	358	400 SX	5 1/2	11,440	1,200	Wolfcamp
TOC									4,100'		PERFS:	10,870	11,223	
luber "17" Fed #1	Southland Roy	660 FSL 660 FWL Sec 17, T18S, R33E	Oil	10/18/89	11/17/89	11,440 8,699	8,504 - 8,628	13 3/8	358	400 SX	5 1/2	11,400	1,200	Bone Spring
TOC									4,100'		PERFS:	8,504	9,372	
luber "17" Fed #2	Southland Roy	1980 FSL 1980 FWL Sec 17, T18S, R33E	Oil	5/28/86	7/31/86	11,450 10,857	10,766 - 10,886	13 3/8	653	400 SX	5 1/2	11,450	2,500	Wolfcamp
TOC									Surf		PERFS:	10,766	10,886	
luber "17" Fed #2	Southland Roy	1980 FSL 1980 FWL Sec 17, T18S, R33E	Oil	8/28/91	9/28/91	11450 8,965	5,080 - 5,220	13 3/8	653	400 SX	5 1/2	11,450	2,500	Delaware
TOC									Surf		PERFS:	5,080	5,220	

AREA OF REVIEW

WELL NAME	OPERATOR	LOCATION	TYPE OF WELL	SPUD DATE	COMP DATE	TD PBTD	COMP INTERVAL	SIZE	DEPTH	CEMENT	SIZE	DEPTH	CEMENT	PROD PERFS (ZONE)
W. Corbin Fed #8	Southland Roy	660 FNL 1980 FWL Sec 17, T18S, R33E	Oil	11/20/86	1/8/87	11,450 11,372	10,810 - 11,234	13 3/8	350	400 SX	5 1/2	11,450	1,790	Wolfcamp
TOC														
									501'		PERFS:	10,810	11,234	
W. Corbin Fed #6	Southland Roy	2076 FNL 411 FWL Sec 17, T18S, R33E	Oil	4/24/89	6/5/89	5,450	5,004 - 5,012	8 5/8	377	200 SX	5 1/2	5,450	900	Delaware
TOC														
									Surf		PERFS:	5,004	5,144	
W. Corbin Fed #1	Aztec	1980 FNL 660 FEL Sec 18, T18S, R33E	Gas	8/14/74	2/1/75	13,700	13,342 - 13,590	13 3/8	367	320 SX	5 1/2	13,700	300	Morrow
TOC														
									11,865'		PERFS:	13,435	13,590	
W. Corbin Fed #1	Southland Roy	1980 FNL 660 FEL Sec 18, T18S, R33E	Oil	12/15/81	1/4/82	13,700 11,300	11,178 - 11,285	13 3/8	367	320 SX	5 1/2	13,700	300	Wolfcamp
TOC														
									11,865'		PERFS:	11,178	13,590	
W. Corbin Fed #2	Aztec	2080 FNL 860 FEL Sec 16 T18S, R33E	Oil	7/30/76	9/10/76	5,207	5,030 - 5,086	8 5/8	363	270 SX	5 1/2	5,206	660	Delaware
TOC														
									Surf		PERFS:	5,030	5,086	
W. Corbin Fed #3	Aztec	660 FNL 660 FEL Sec 18, T18S, R33E	D&A-O	1/25/77	2/15/77	5,171		8 5/8	332	275 SX				D & A
TOC														
									Surf		PERFS:	No Perfs		

AREA OF REVIEW

WELL NAME	OPERATOR	LOCATION	TYPE OF WELL	SPUD DATE	COMP DATE	TD PBTD	COMP INTERVAL	SIZE	DEPTH	CEMENT	SIZE	DEPTH	CEMENT	PROD PERFS (ZONE)
W. Corbin Fed #4	Aztec	2310 FSL 2310 FEL Sec 18, T18S, R33E	D&A-O	2/4/78	3/18/78	5,117		8 5/8	340	250 SX	5 1/2	5,177	700	D & A
TOC														
W. Corbin Fed #10	Southland Roy	1980 FSL 660 FEL Sec 18, T18S, R33E	Oil	10/9/88	1/20/89	11,450 11,450	10,858 - 11,330	13 3/8	360	370 SX	5 1/2	11,450	1,712	Wolfcamp
TOC														
W. Corbin Fed #12	Southland Roy	660 FNL 1980 FEL Sec 18, T18S, R33E	Oil	4/18/89	6/3/89	11,450 11,405	10,880 - 11,318	13 3/8	347	375 SX	5 1/2	11,450	1,755	Wolfcamp
TOC														
W. Corbin Fed #15	Southland Roy	810 FNL 1980 FEL Sec 18, T18S, R33E	Oil	9/15/89	10/11/89	5,500	4,950 - 4,961	8 7/8	380	220 SX	5 1/2	5,472	1,650	Delaware
TOC														
W. Corbin Fed #17	Southland Roy	660 FNL 1980 FWL Sec 18, T18S, R33E	Oil	11/22/89	12/20/89	5,520	4,902 - 5,006	8 5/8	368	310 SX	5 1/2	5,520	1,280	Delaware
TOC														
W. Corbin Fed #18	Southland Roy	1980 FNL 1980 FWL Sec 18, T18S, R33E	Oil	11/8/89	12/3/89	11,532 11,515	11,274 - 11,302	13 3/8	350	350	5 1/2	11,500	2,100	Wolfcamp
TOC														

CORBIN (DELAWARE) UNIT
AREA OF REVIEW

WELL NAME	OPERATOR	LOCATION	TYPE OF WELL	SPUD DATE	COMP DATE	TD PBD	COMP INTERVAL	SIZE	DEPTH	CEMENT	SIZE	DEPTH	CEMENT	PROD PERFS (ZONE)
W. Corbin Fed #20	Southland Roy	500 FNL 330 FWL Sec 18, T18S, R33E	Oil	4/1/90	4/29/90	5,500 5,456	4,912 - 5,014	8 5/8	415	340 SX	5 1/2	5,550	1,255	Delaware
TOC														
W. Corbin Fed #21	Southland Roy	1980 FNL 510 FWL Sec 18, T18S, R33E	Oil	12/3/90	2/17/91	11,600	10,784 - 11,176	13 3/8	380	400 SX	5 1/2	11,600	1,935	Wolfcamp
TOC														
W. Corbin Fed #22	Southland Roy	1980 FNL 1780 FWL Sec 18, T18S, R33E	D&A-O	4/14/90	9/27/90	5,500 5,446		8 5/8	433	280 SX	5 1/2	5,500	1,240	D & A
TOC														
W. Corbin Fed #22	Southland Roy	1980 FNL 1780 FWL Sec 18, T18S, R33E	Oil-WO	2/20/94	2/21/94	5,500 5,446	4,942 - 5,088	8 5/8	433	280 SX	5 1/2	5,500	1,240	Delaware
TOC														
W. Corbin Fed #24	Southland Roy	1800 FNL 2150 FEL Sec 18, T18S, R33E	Oil	5/1/90	5/21/90	5,550	4,962 - 5,014	8 5/8	430	260 SX	5 1/2	5,550	1,215	Delaware
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Martin Water Laboratories, Inc.

709 W INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

TO: Mr. David Cook
21 Desta Drive, Midland, TX 79701

LABORATORY NO. 791270
SAMPLE RECEIVED 7-29-91
RESULTS REPORTED 8-2-91

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1	<u>Disposal water-taken from West Corbin salt water disposal (flotation cell upstream line)</u>
NO. 2	<u>Disposal water-taken from West Corbin salt water disposal (flotation cell downstream line)</u>
NO. 3	<u>Produced water-taken from West Corbin #24.</u>
NO. 4	<u>Produced water-taken from Federal 21 #4.</u>

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.1431	1.1428	1.1662	1.1716
pH When Sampled				
pH When Received	6.06	6.03	5.94	5.89
Bicarbonate as HCO ₃	303	298	185	217
Supersaturation as CaCO ₃	14	16	4	12
Undersaturation as CaCO ₃	--	--	--	--
Total Hardness as CaCO ₃	39,000	38,000	61,000	66,500
Calcium as Ca	11,400	11,400	17,600	19,100
Magnesium as Mg	2,552	2,308	4,131	4,556
Sodium and/or Potassium	66,481	66,005	74,546	77,050
Sulfate as SO ₄	986	960	576	483
Chloride as Cl	129,255	127,834	157,662	165,474
Iron as Fe	16.6	15.2	2.8	5.0
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	210,975	208,805	254,700	266,880
Temperature °F.				
Carbon Dioxide, Calculated	484	476	389	565
Dissolved Oxygen.				
Hydrogen Sulfide	0.0	0.0	0.0	0.0
Resistivity, ohms/m at 77° F.	0.056	0.056	0.050	0.049
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Total Dissolved Solids, 180°C.	210,686	211,276	245,414	255,686

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks A careful study of the characteristics of all the waters involved herein reveals no evidence of any incompatibility between any combination of these waters. This is to say that there should be no precipitation or scaling potential that would result from combining any of these waters.

Wavlan C. Martin, M.A.

UYZ-UM

4950

LYZ

5000

A-UM

5050

B

5100

Log Footer Notes

Processed by
HDS - Log Analysis Program - for Windows
Version 2.0 - Copyright (c) Hydrocarbon Data Systems, Inc.

FORM C-108
ITEM NO. X

Comment 1: 5/10/78 Swab 100% formation water 132 BPM 5/30/78 1120 to 1200
Comment 2: 8/13/78 First Injection 170 BPM on Vacuum 12/15/87 Repair hole

Formation Top Data			
<u>No.</u>	<u>Name</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
1	UYZ-UM	4933.000	
2	LYZ	4996.000	
	A-UM	5030.000	
4	A-LM	5046.000	
5	B	5083.000	

Pay Zone Cutoff Filters			
<u>No.</u>	<u>Name</u>	<u>Low Filter</u>	<u>High Filter</u>
1	PhiDc	8.000	

Perforation Data			
<u>No.</u>	<u>Perf Name</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
1		5032.000	5062.000

HDS

Computer Processed Log

by Hydrocarbon Data Systems, Inc.

FILE NUMBER

Company: MERIDIAN OIL COMPANY
Well Name: WEST CORBIN FEDERAL #6
Field Name: S. Corkin (Delaware)
County: Lea State: New Mexico

API No. 30-025-30430

Location: UL-E, 2076' F.W.L. + 411' F.W.L.
Section: 17 Twnshp: 18S Range: 33E

Other Services:

Permanent Datum:

Elev.

Elevations:

Logging Measured From:

Ft. above P.D.:

0

KB: 3892

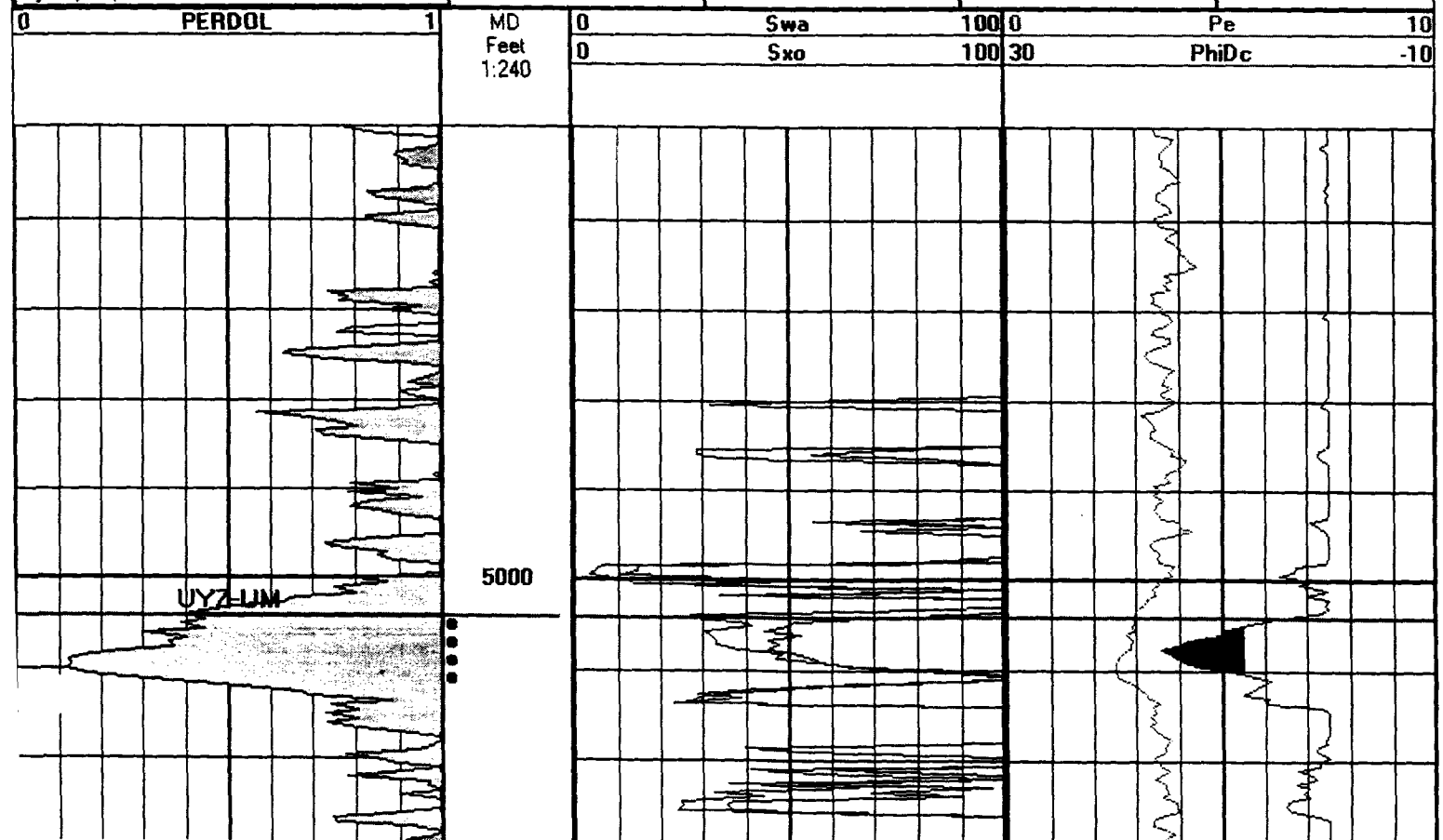
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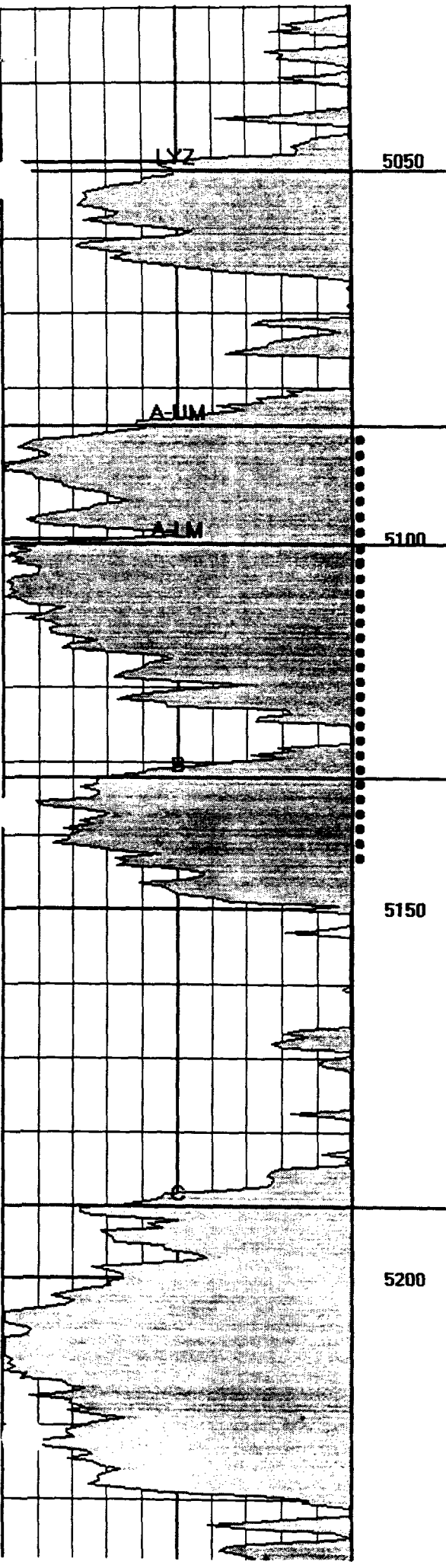
GL: 0

Drilling Measured From:

Run No.	1			
Date	5/2/89			
Depth-Driller	5450.000			
Depth-Logger	5453.000			
Btm. Log Interval	5451.000			
Top Log Interval	378.000			
Casing - Driller	375.000			
Casing - Logger	378.000			
Bit Size	7.875			
Type Fluid in Hole				
Den. / Vis.				
Ph / Fluid Loss				
Source of Sample	Pit			
Rm @ Meas. Temp.				
Rmf @ Meas. Temp.				
Rmc @ Meas. Temp.				
Source: Rmf / Rmc	Calculated			
Time Since Circ.				
Rec. Temp.	500.000			
ided by				
Witnessed by				
Log Analysis by				

FORM C-108
ITEM NO. X



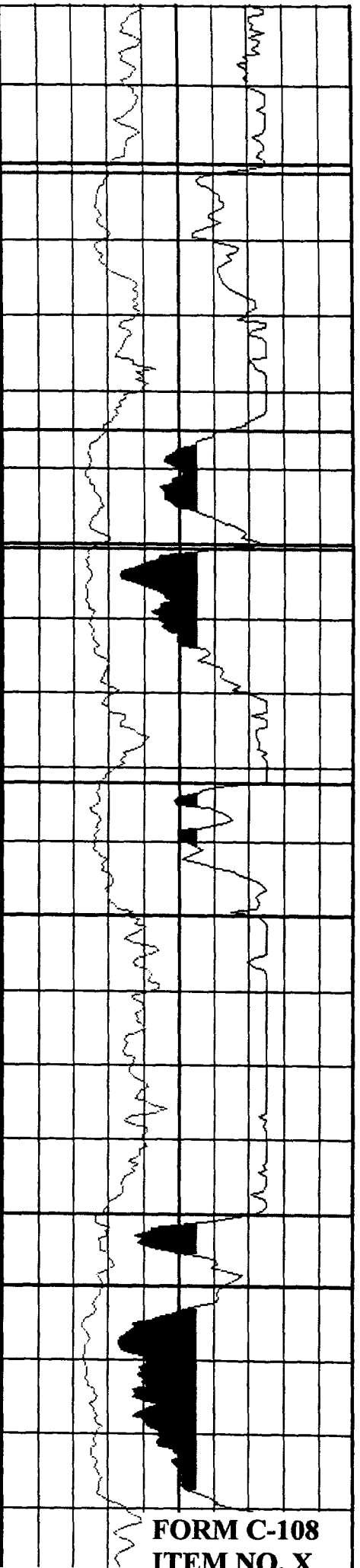
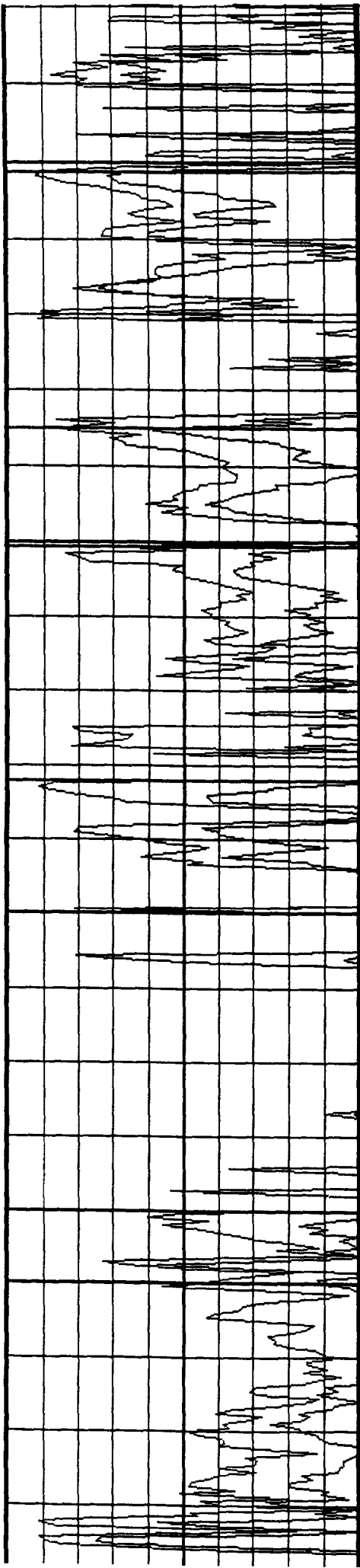


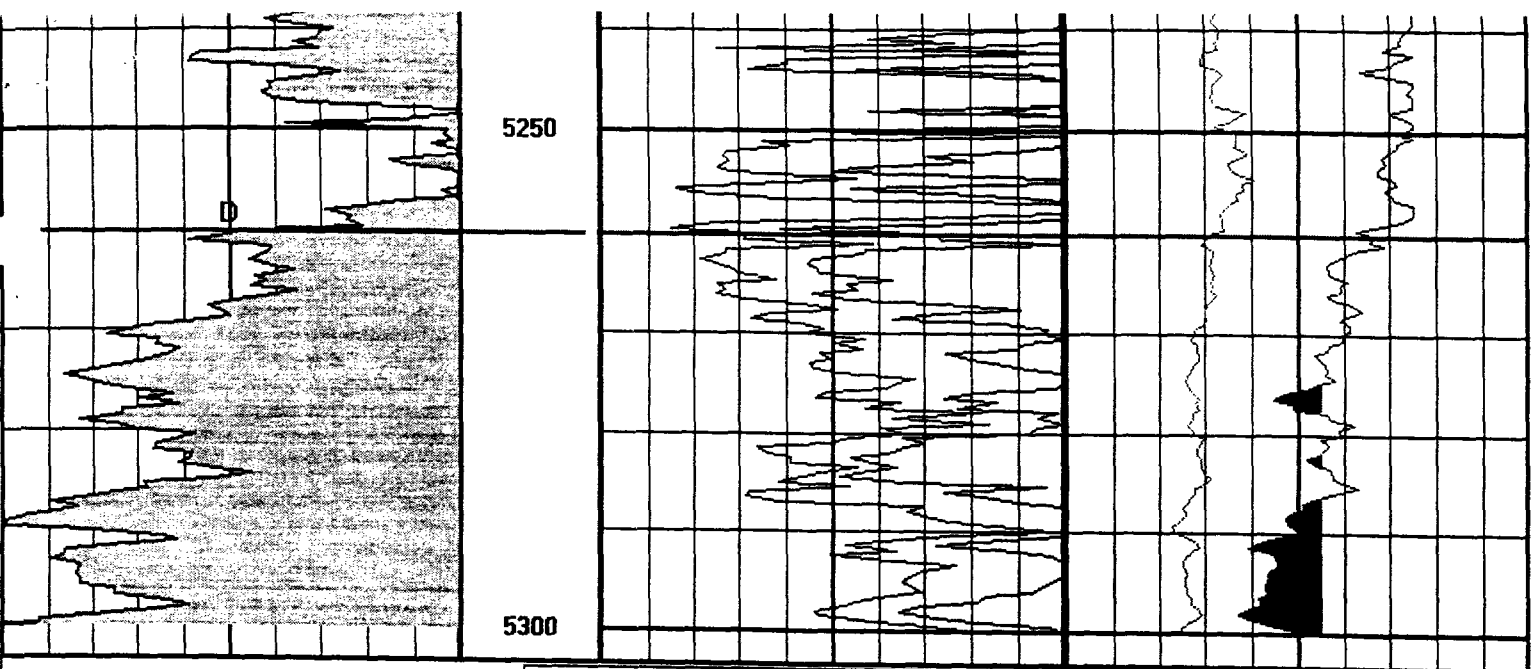
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Log Footer Notes

Processed by
HDS - Log Analysis Program - for Windows
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Date: 05-01-1997 Time: 10:41:56
Comment 1: 6/12/89 61 BOPD, 186 BWP/D, 35 MCF/D

Formation Top Data			
<u>No.</u>	<u>Name</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
1	UYZ-UM	5004.000	
2	LYZ	5051.000	
3	A-UM	5085.000	
4	A-LM	5100.500	
5	B	5132.000	
6	C	5190.000	
7	D	5260.000	

Pay Zone Cutoff Filters			
<u>No.</u>	<u>Name</u>	<u>Low Filter</u>	<u>High Filter</u>
1	PhiDc	8.000	
2	Swa		60.000

Perforation Data			
<u>No.</u>	<u>Perf Name</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
1		5004.000	5012.000
2		5086.000	5144.000

HDS

Computer Processed Log

by Hydrocarbon Data Systems, Inc.

FILE NUMBER

Company: MERIDIAN OIL INC.

Well Name: WEST CORBIN FEDERAL NO. 22

Field Name: West Corbin

County: Lea

State: New Mexico

API No

30-025-30860

Location:

UL-F, 1980' FNL + 1780' FWL

Other Services:

Section:

18

Twnshp:

18S

Range:

33E

Permanent Datum:

Elev.

Elevations:

Logging Measured From:

Ft. above P.D.:

0

KB: 3896

OF: u

GL: u

Drilling Measured From:

Run No.

Date 4/22/90

Depth-Driller 5500.000

Depth-Logger 5487.000

Btm. Log Interval 5484.000

Top Log Interval 50.000

Casing - Driller 435.000

Casing - Logger 432.000

Bk Size 7.875

Type Fluid in Hole Brine

Den. / Vls. 10.000 / 28.000

Ph / Fluid Loss 10.000 /

Source of Sample Pk

Rm @ Meas. Temp. 0.102 @ 70.000

Rml @ Meas. Temp. 0.093 @ 70.000

Rmo @ Meas. Temp.

Source: Rml / Pmo Measured

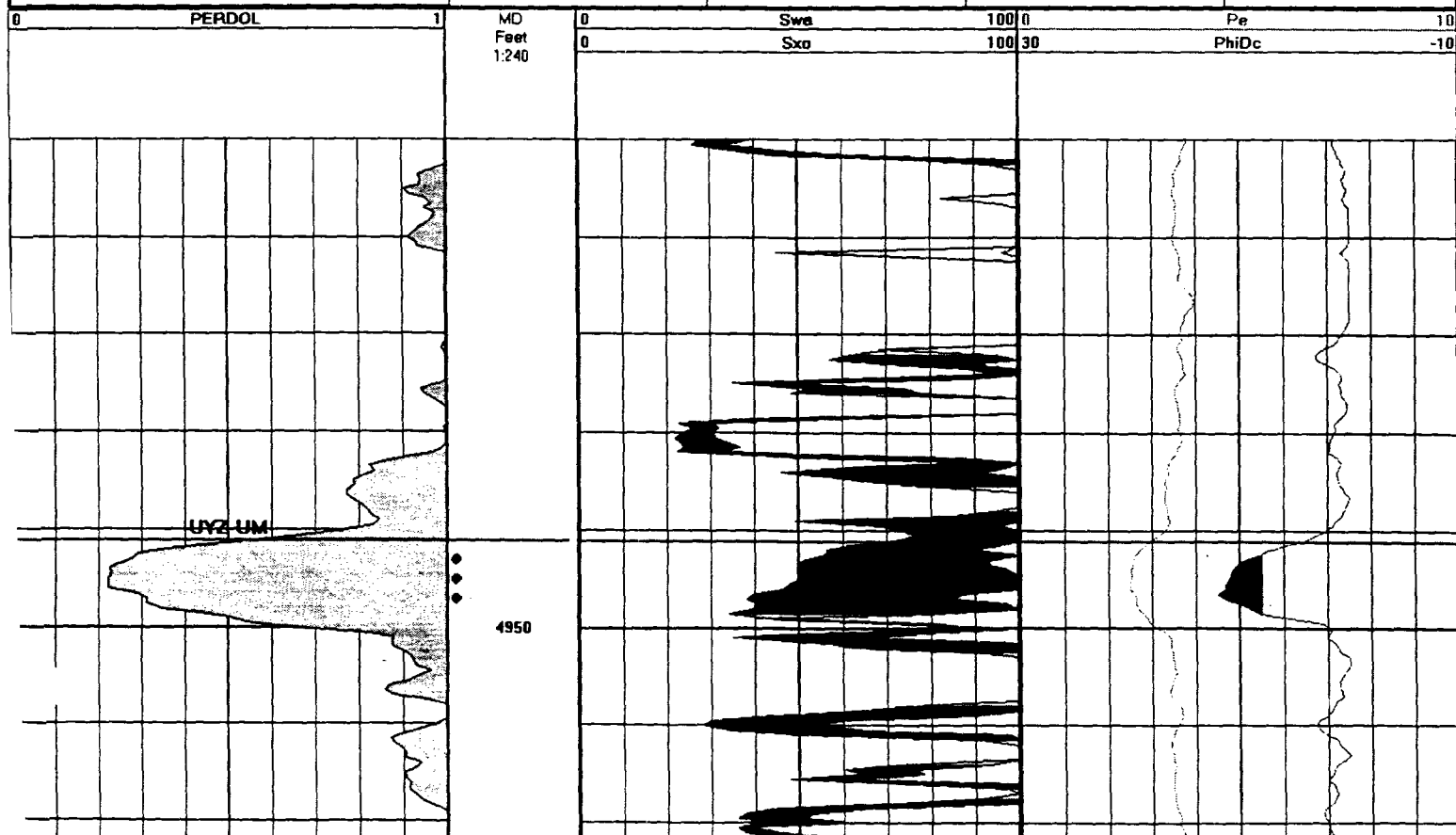
Time Since Crc.

z Temp. 116.000

Reviewed by

Witnessed by

Log Analyst by

FORM C-108
ITEM NO. X

LYZ

5000

A-UM

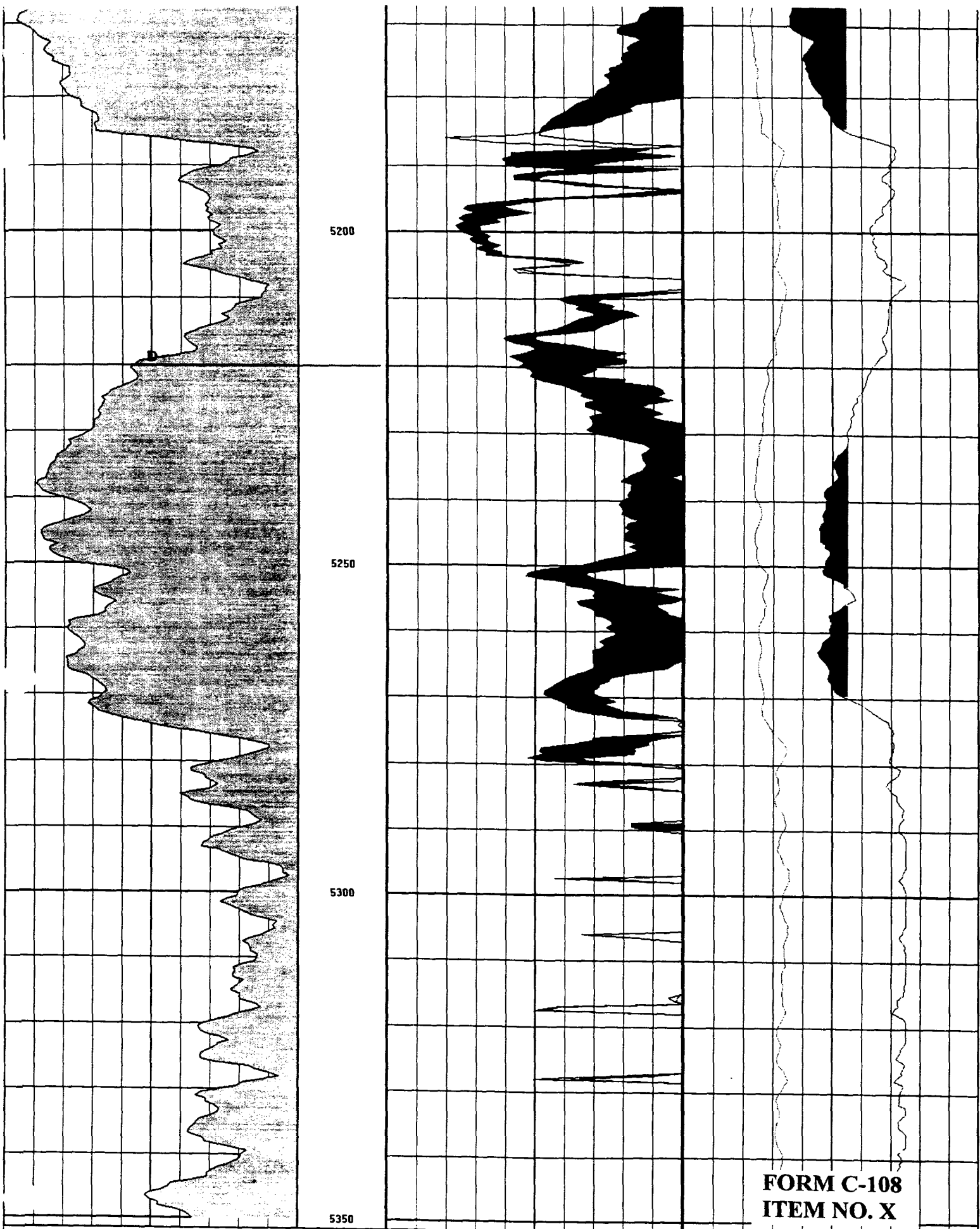
A-UM

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5100

5150

FORM C-108
ITEM NO. X



5200

5250

5300

5350

FORM C-108
ITEM NO. X

Log Footer Notes

Date: 05-01-1997 Time: 11:38:37
Comment 1: 5/3/90 Temporarily Abandoned
Comment 2: 2/20/94 20 BOPD, 380 BWPD, 0 MCF/D

No.	Name	Formation Top Data	
		Top Depth	Bottom Depth
1	UYZ-UM	4941.000	
2	LYZ	5002.000	
	A-UM	5024.000	
	A-LM	5050.000	
3	B	5083.000	
6	C	5141.000	
7	D	5220.000	5300.000

No.	Perf Name	Perforation Data	
		Top Depth	Bottom Depth
1		4942.000	4948.000
2		5004.000	5008.000
3		5026.000	5060.000
4		5084.000	5088.000