Western Atlas International

ATLAS WIRELINE SERVICES

DIPLOG®

FILE NO.
3960
API NO.
36-009-00269
5" = 100'

RAW DATA PRINT

COMPANY NORTHWEST NATURAL GAS COMPANY
WELL I. W. 23d - 3
FIELD MIST
COUNTY COLUMBIA STATE OREGON

LOCATION:
2475.11' EAST & 299.39' SOUTH
FROM THE WEST 1/4 CORNER OF:

SEC3 TWP6N RGE5W

OTHER SERVICES
DIFL-SP-CAL
BHC AL-GR-CAL
CDLC-CN-GR

PERMANENT DATUM GROUND LEVEL ELEV. 1187.8
LOGGING MEASURED FROM K. B. 11.4 FT. ABOVE P.D.
DRILLING MEASURED FROM K. B.

ELEVATIONS
KB 1199.25'
DF ---
GL 1187.85'

FINAL PRINT

DATE	15-OCT-91		21-OCT-91					
RUN	1		2					
SERVICE ORDER	66915		66917					
DEPTH-DRILLER	2730'		3079'					
DEPTH-LOGGER	2717'		3071'					
BOTTOM LOGGED INTERVAL	2714'		3068'					
TOP LOGGED INTERVAL	686'		2710'					
CASING - DRILLER	13 3/8"	@ 684'	8 5/8"	@ [illegible]		@		@
CASING - LOGGER	NOT LOGGED		NOT LOGGED					
BIT SIZE	12 1/4"		7 7/8"					
TYPE FLUID IN HOLE	GEL/POLYMER		GEL/CACL/HEC 10					
DENSITY / VISCOSITY	9.6+	40	8.6	38				
PH / FLUID LOSS	8.7	5.6	11.5	15.0				
SOURCE OF SAMPLE	FLOWLINE		FLOWLINE					
RM AT MEAS. TEMP.	2.72	@ 79 F	.297	@ 72F		@		@
RMF AT MEAS. TEMP.	2.97	@ 79 F	.28[illegible]	@ 72F		@		@
RMC AT MEAS. TEMP.	2.29	@ 79 F	.31[illegible]	@ 72F		@		@
SOURCE OF RMF / RMC	MEASURED	MEASURED	MEASURED	MEASURED				
RM AT BHT	2.13	@ 101 F	.212	@ 101F		@		@
TIME SINCE CIRCULATION	10 HRS.		9 HRS.					
MAX. REC. TEMP. DEG. F	103 F		101F					
EQUIP. NO. / LOC.	HL 6399	BAKRSFLD	HL 6399	BAKRSFLD				
RECORDED BY	TORGERSON		TORGERSON					
WITNESSED BY	CLAYTON ROTH		CLAYTON ROTH					

FOLD HERE

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

REMARKS RUN (1)

TAYLOR RIG NO. 4
BHT 103 F & 103 F
VOLUME COMPUTED FOR 8 5/8" CASING = 1000 FT3
PAD FORCE IS 50%
CENTRALIZER - PCM - ELECTRONICS - MANDREL
4304XA052919 - 3508XA071095 - 1016EA078387 - 1010MA072657

REMARKS RUN (2)

TAYLOR RIG NO. 4
BHT 101 F & 101 F
TOTAL BOREHOLE VOLUME RECORDED
CENTRALIZER - PCM - ELECTRONICS - MANDREL
4304XA052919 - 3508XA071095 - 1016EA078387 - 1010MA072657

NORTHWEST NATURAL GAS COMPANY

I. W. 23d - 3

SERVICE DL3508 FILE 5

CAL2
26 6

CAL1
26 6

VOL
1 0

PAD4
2047 -100

CODE
0 10

PAD3
2047 -100

DEV
0 18

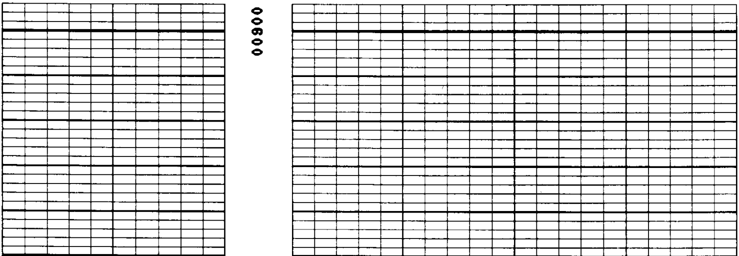
PAD2
2047 -100

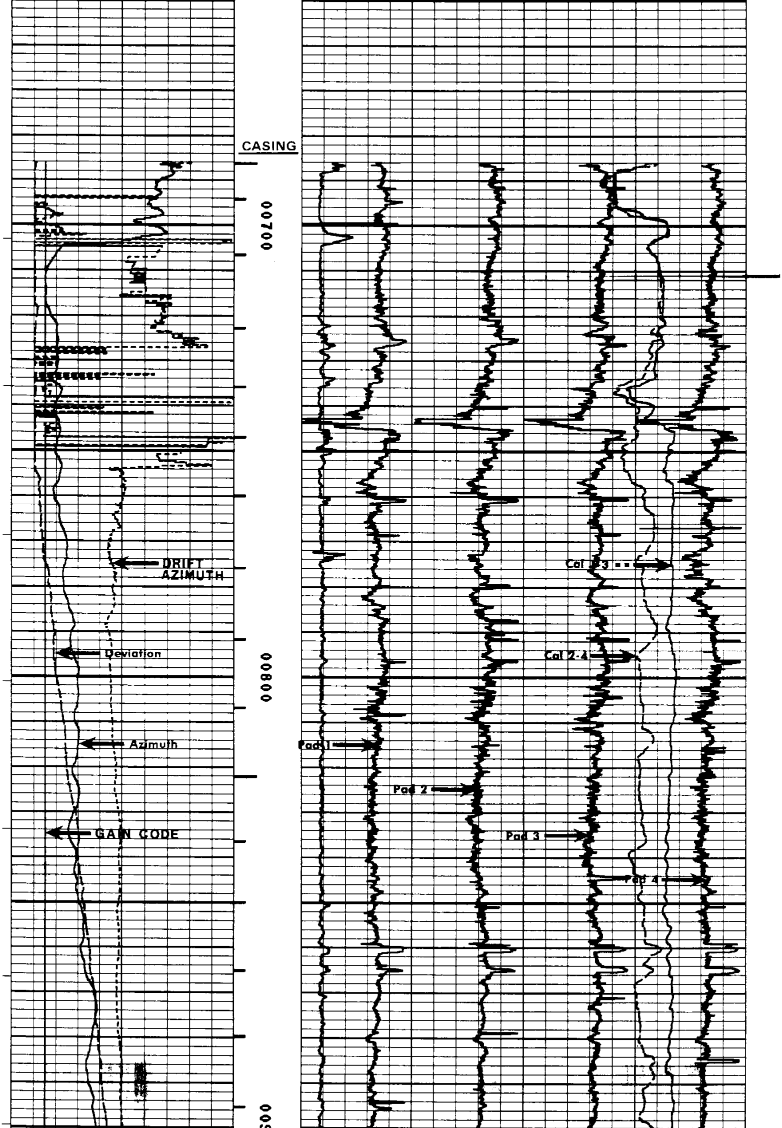
AZ(DEG)
0 360

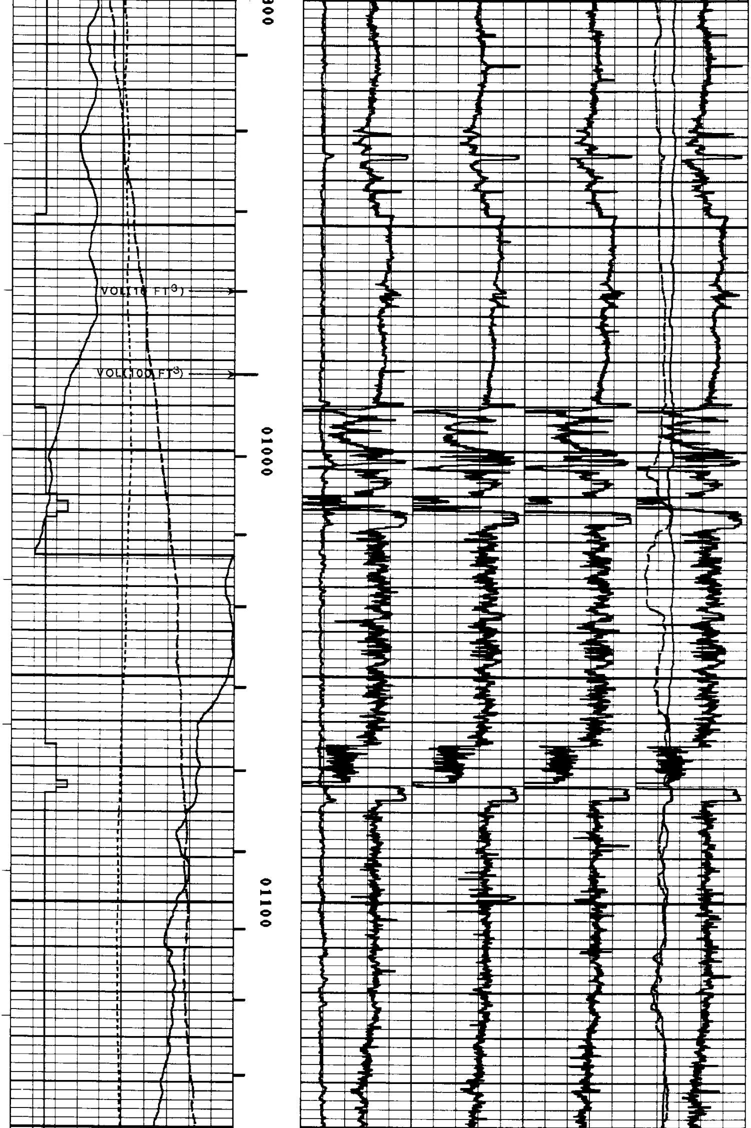
PAD1
2047 -100

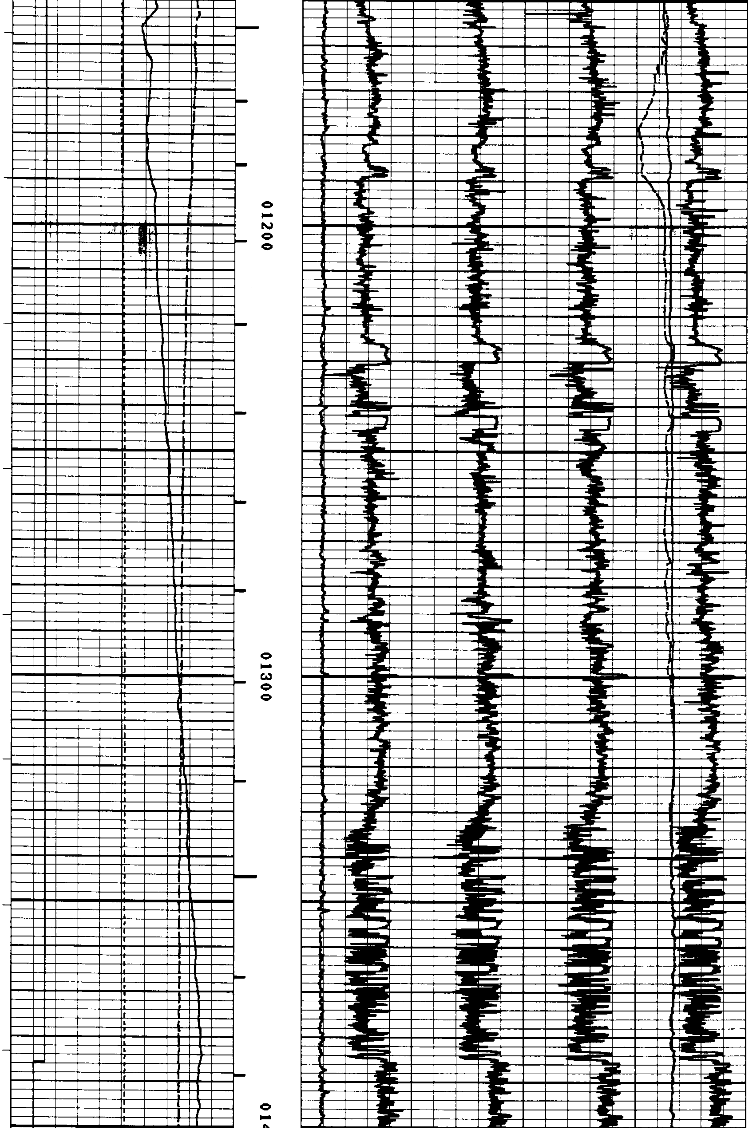
DAZ
0 360

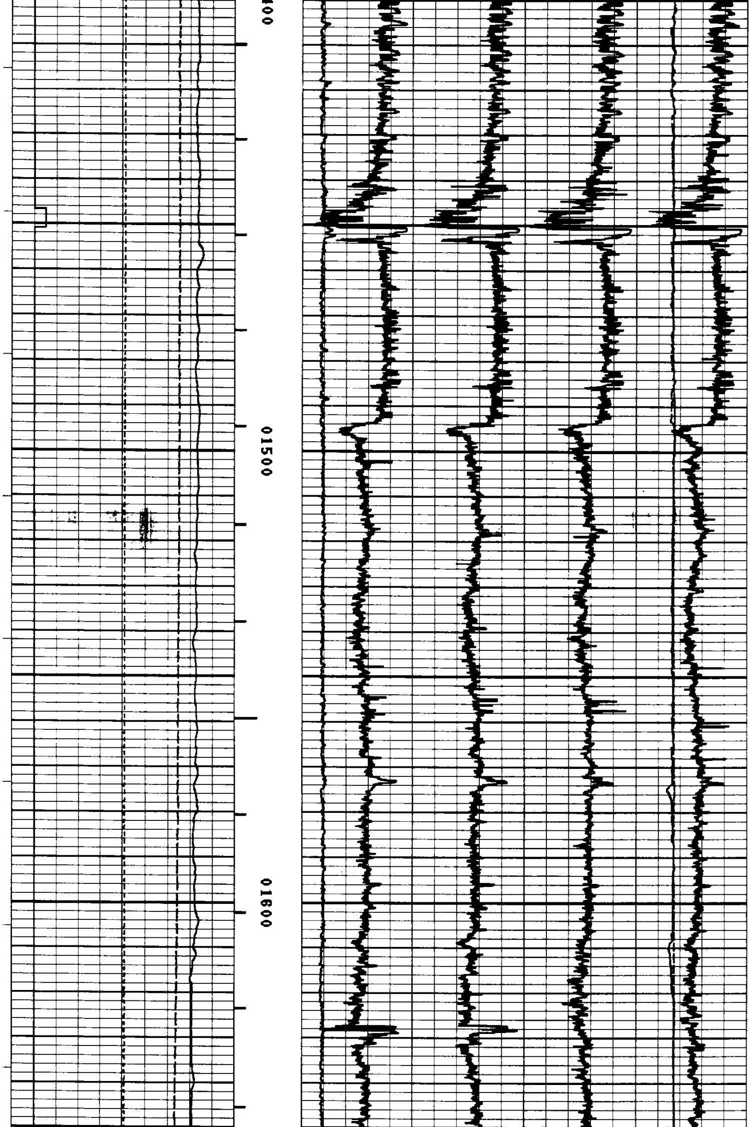
TEN(LBS)
-500 4500

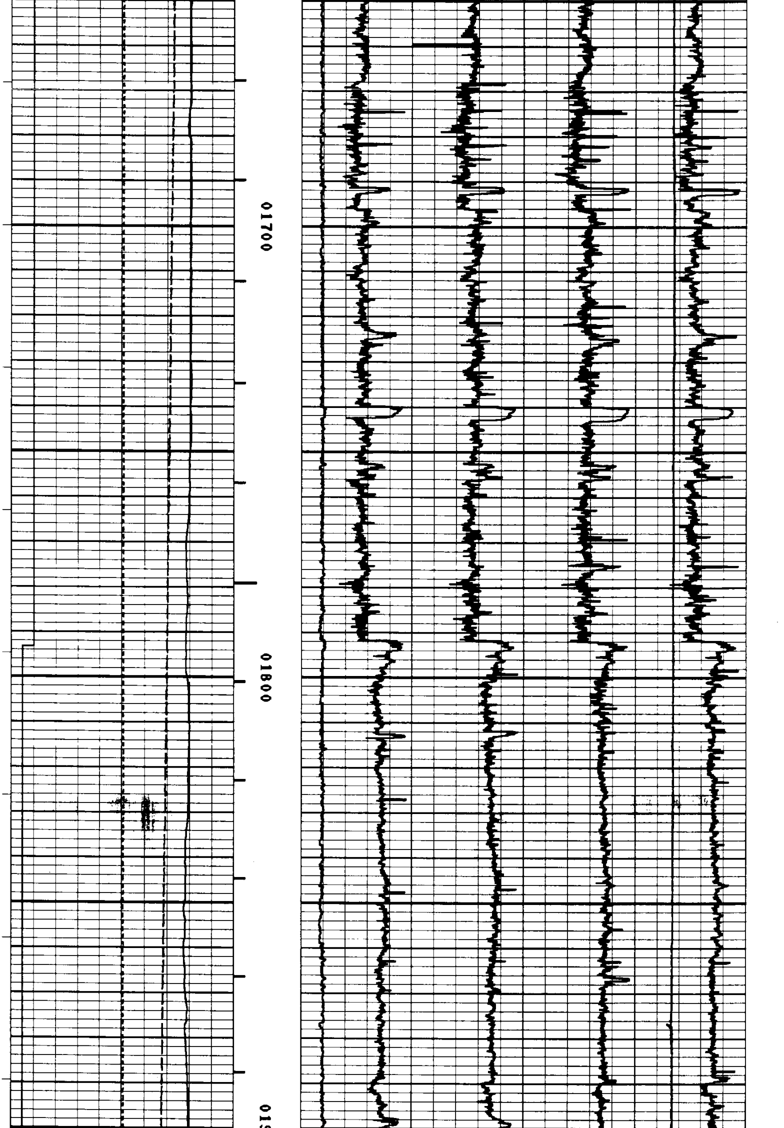


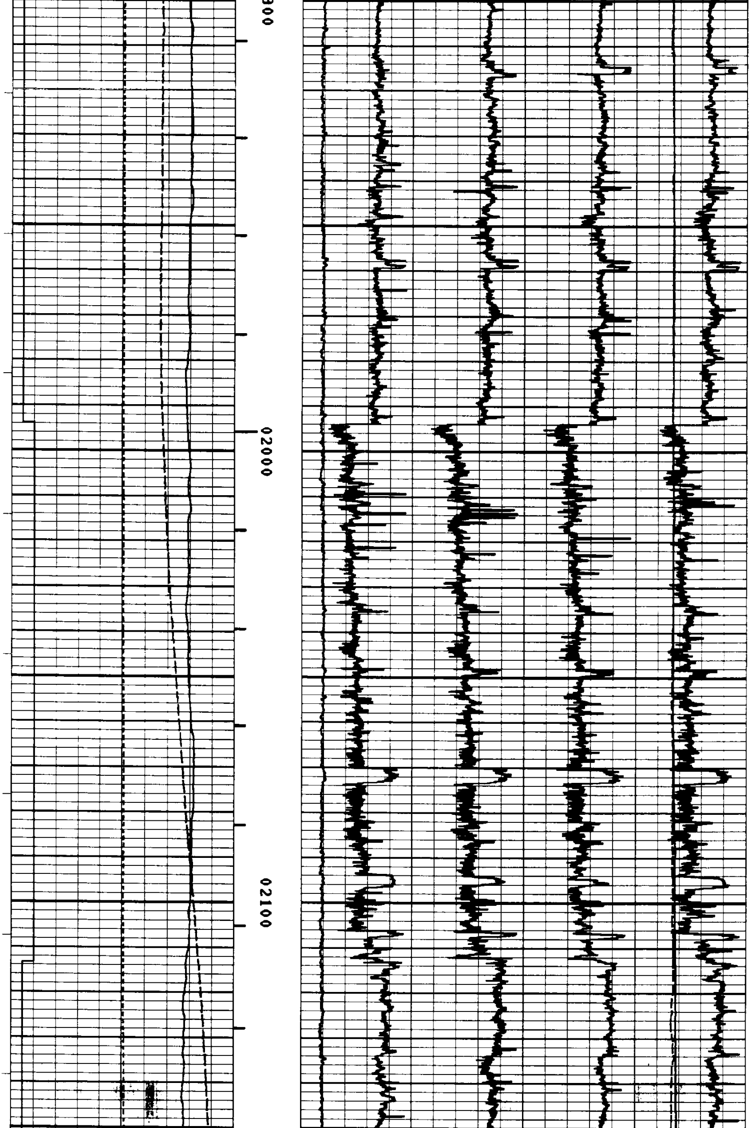


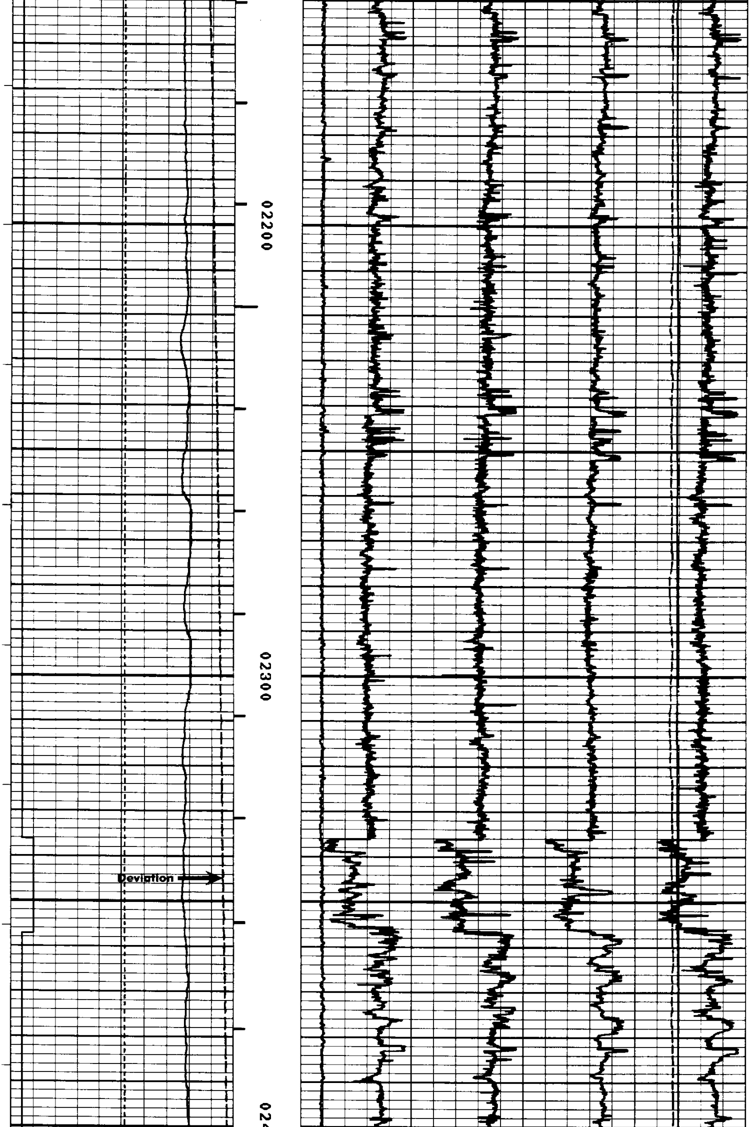


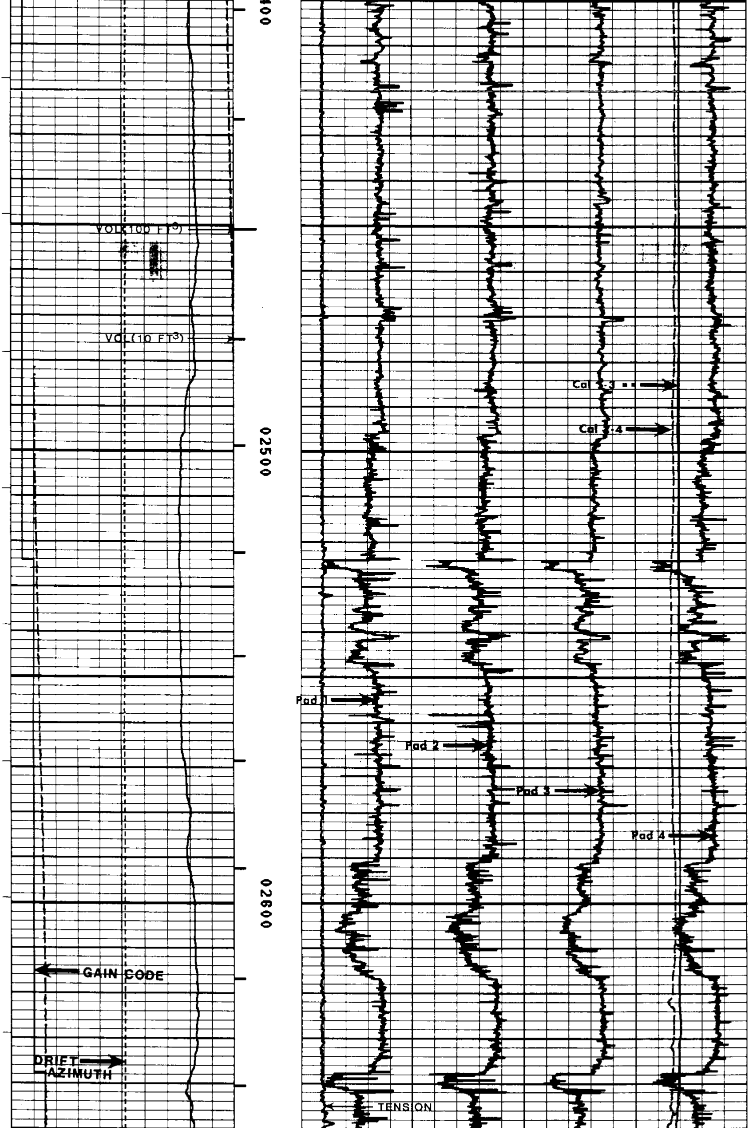


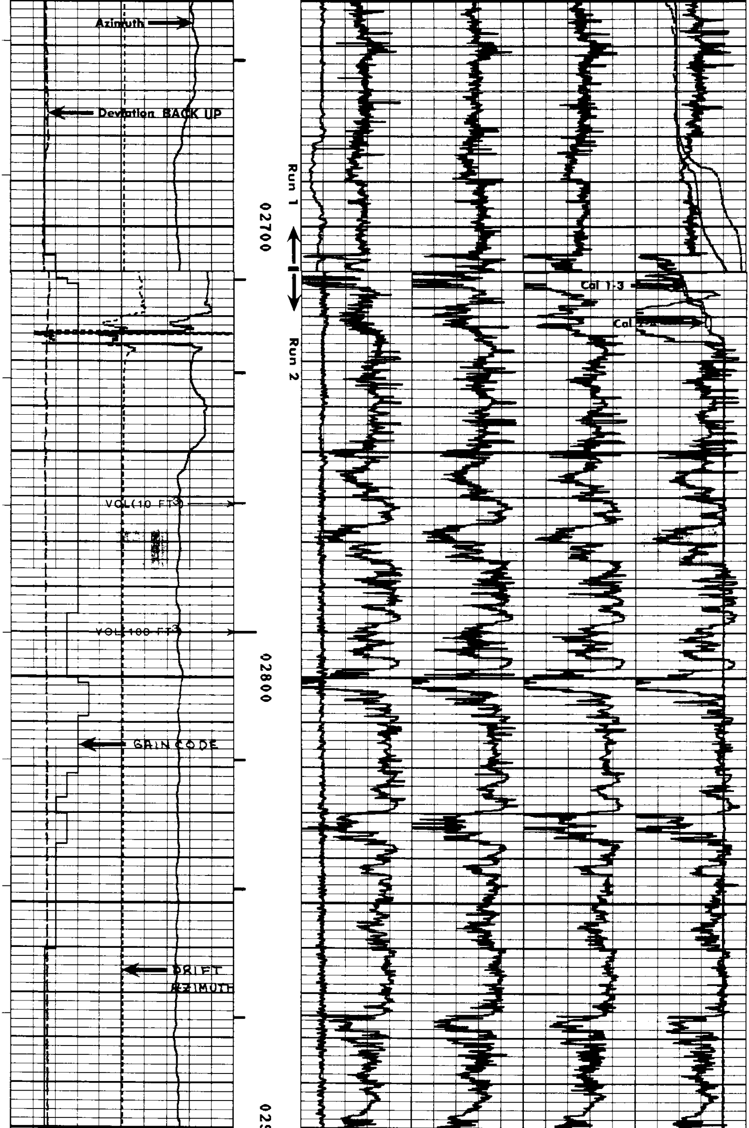


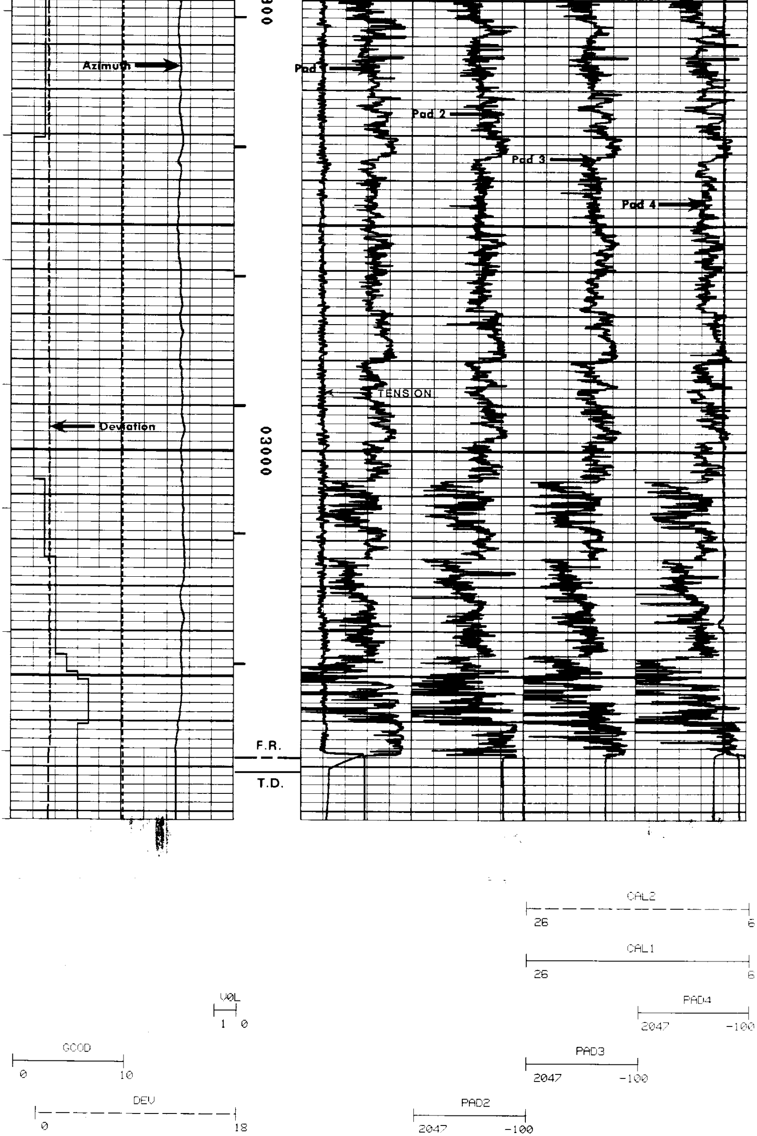












AZ(DEG)
0 360

PAD1
2047 -100

DAZ
0 360

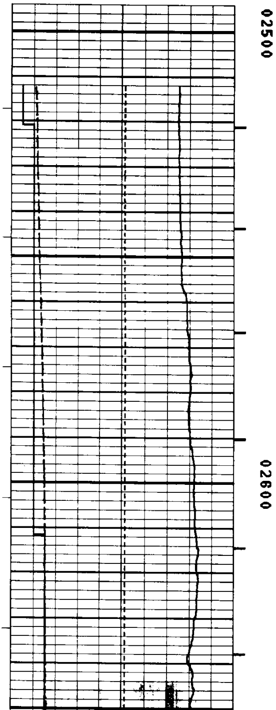
TEN(LBS)
-500 4500

NORTHWEST NATURAL GAS COMPANY

I. W. 23d - 3

SERVICE DL3508 FILE 4

RUN # 1



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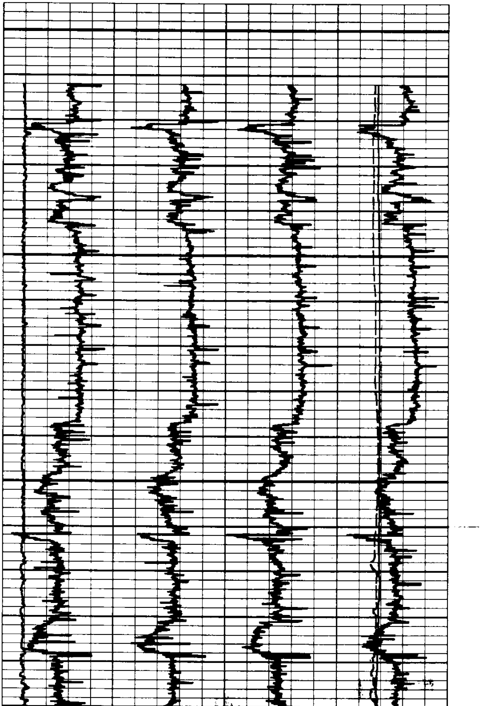
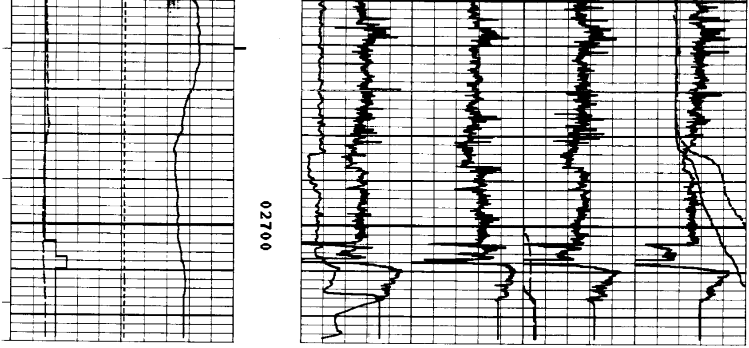




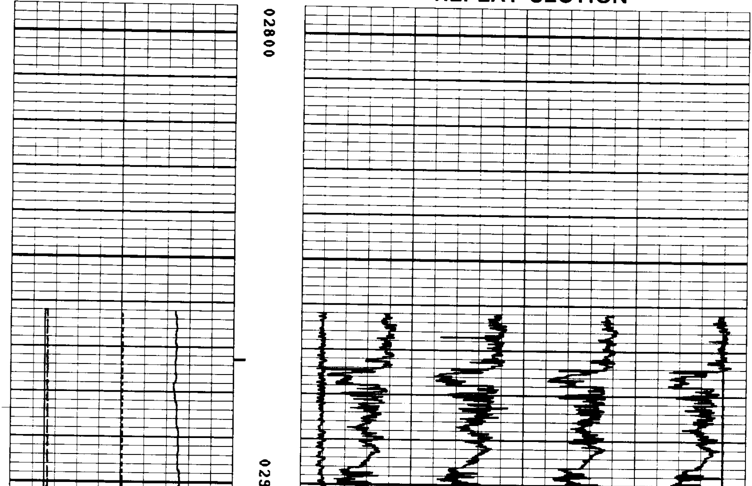
NORTHWEST NATURAL GAS COMPANY

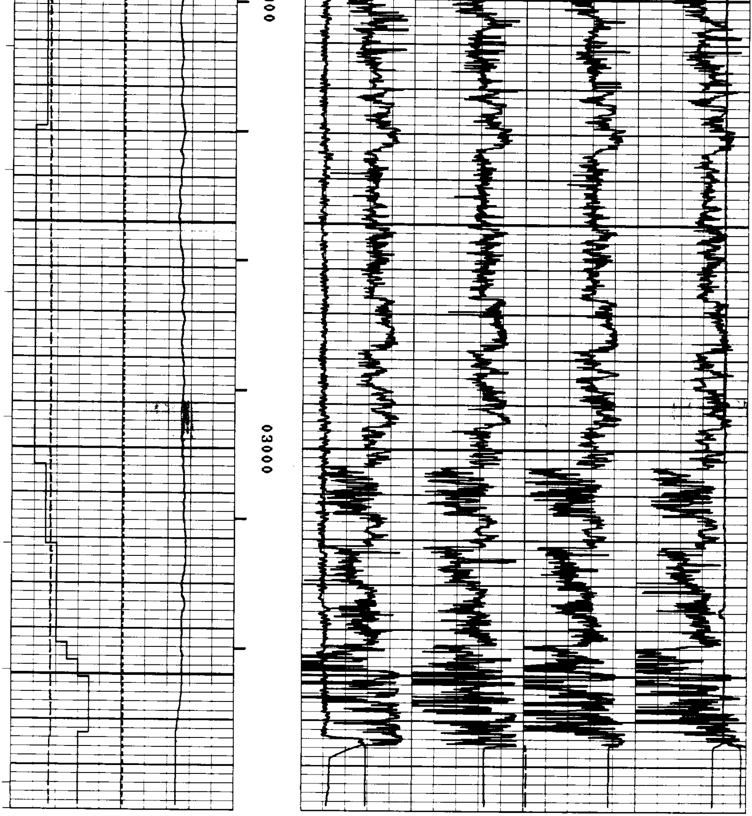
I. W. 23d - 3

SERVICE DL3508 FILE 4

RUN # 2

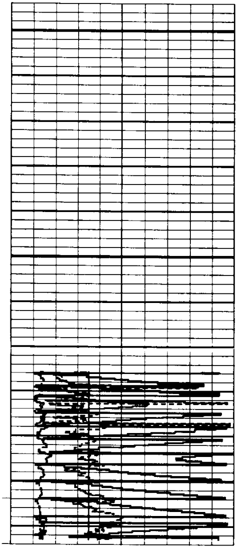
REPEAT SECTION





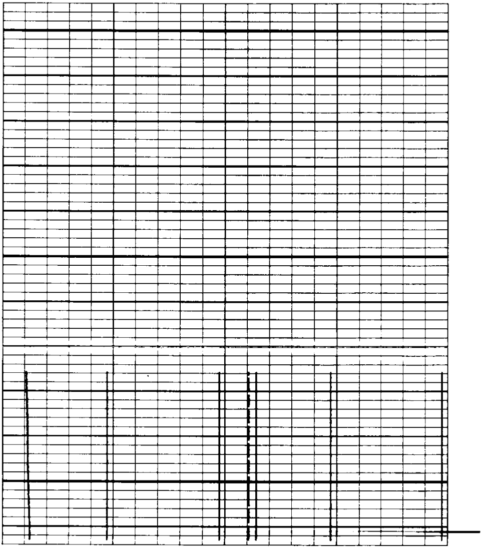
NORTHWEST NATURAL GAS COMPANY
I. W. 23d - 3
SERVICE DL3508 FILE 3

RUN # 1



ROTATE

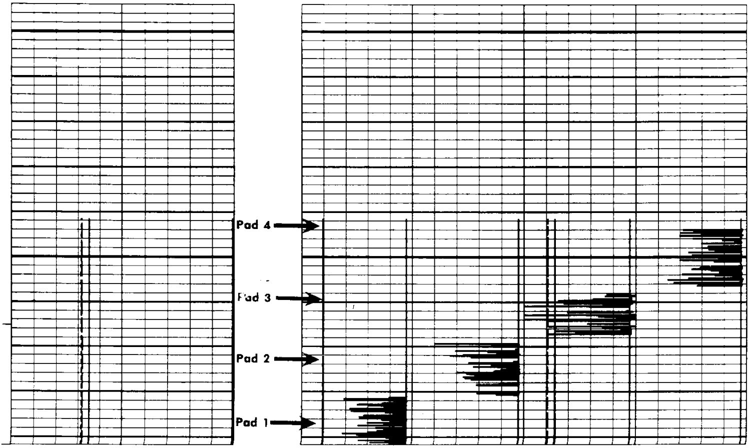
BEFORE LOG CHECKS



NORTHWEST NATURAL GAS COMPANY

I. W. 23d - 3

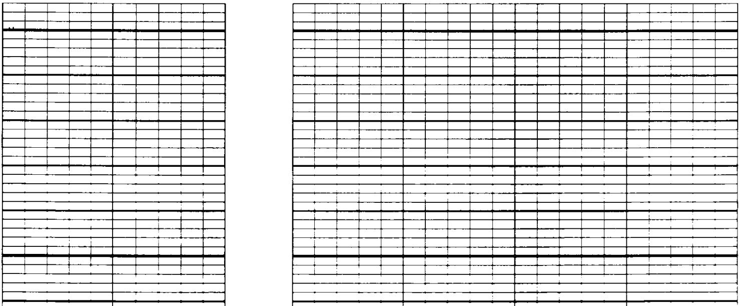
SERVICE DL3508 FILE 2

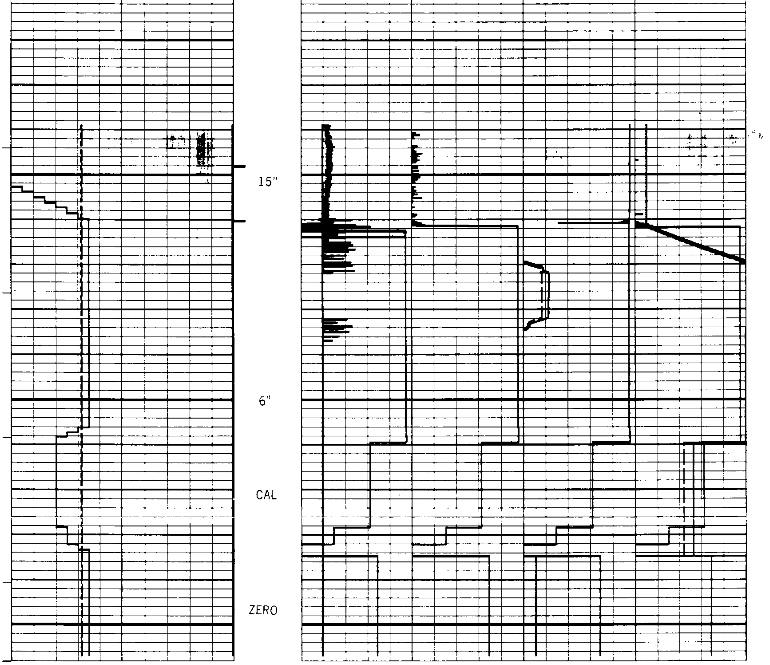


NORTHWEST NATURAL GAS COMPANY

I. W. 23d - 3

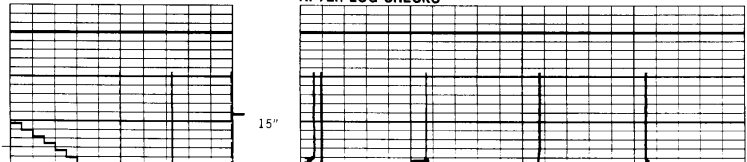
SERVICE DL3508 FILE 1

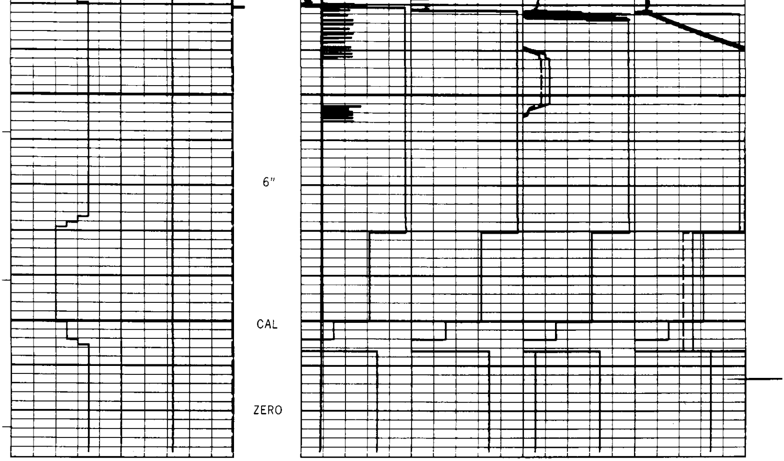




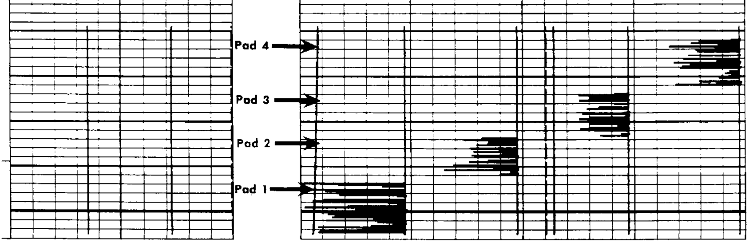
NORTHWEST NATURAL GAS COMPANY
I. W. 23d - 3
SERVICE DL3508 FILE 8

AFTER LOG CHECKS

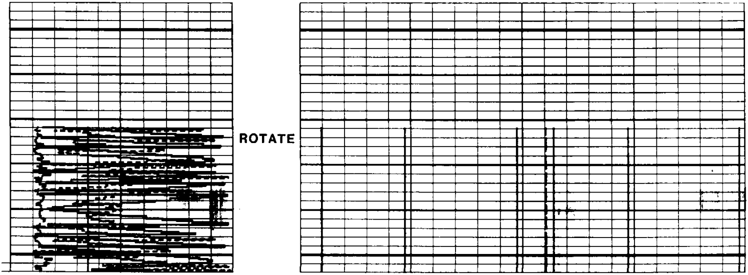




NORTHWEST NATURAL GAS COMPANY
I. W. 23d - 3
SERVICE DL3508 FILE 7

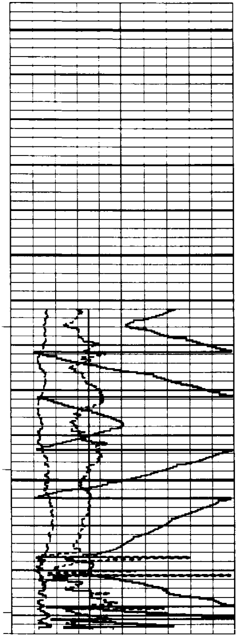


NORTHWEST NATURAL GAS COMPANY
I. W. 23d - 3
SERVICE DL3508 FILE 6



NORTHWEST NATURAL GAS COMPANY
I. W. 23d - 3
SERVICE DL3508 FILE 3

RUN # 2



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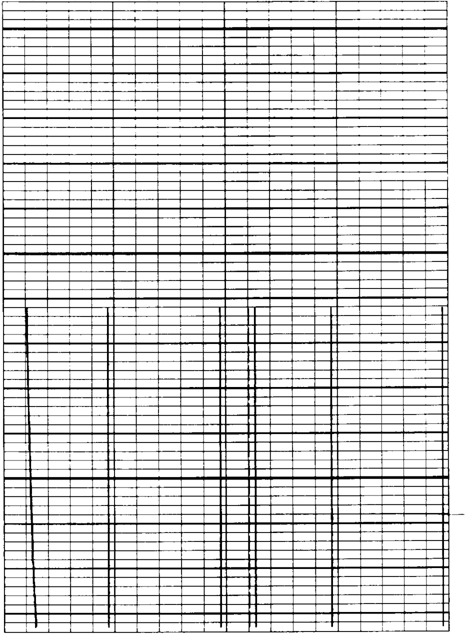
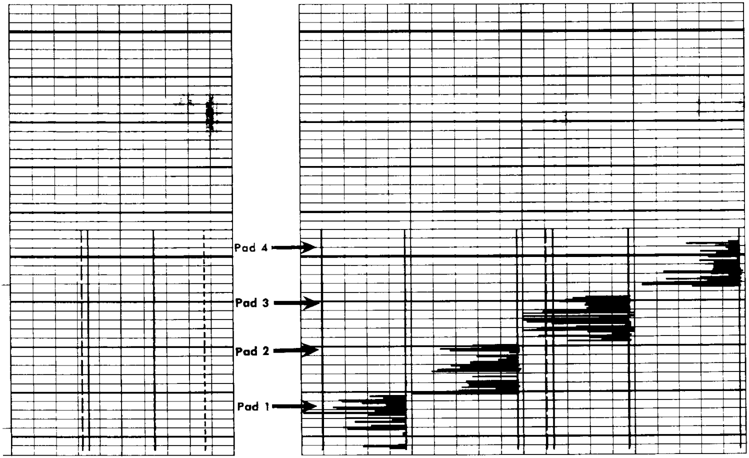


NORTHWEST NATURAL GAS COMPANY

I. W. 23d - 3

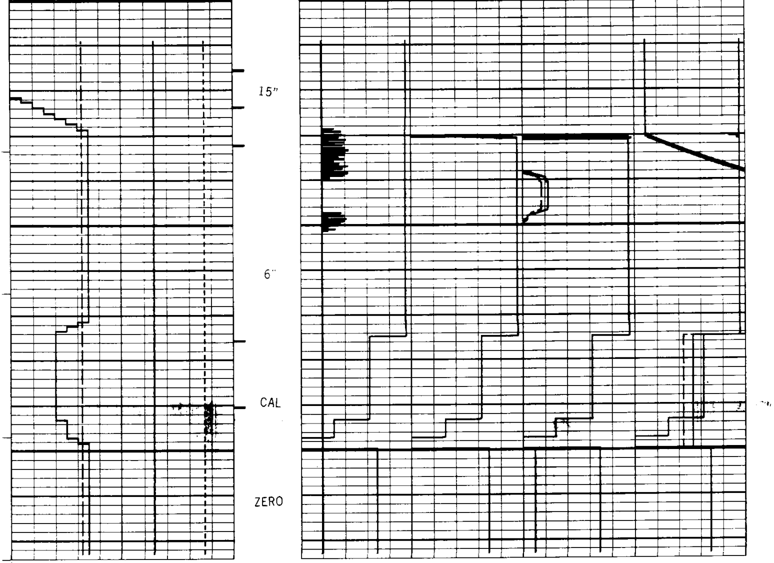
SERVICE DL3508 FILE 2



NORTHWEST NATURAL GAS COMPANY

I. W. 23d - 3

SERVICE DL3508 FILE 1

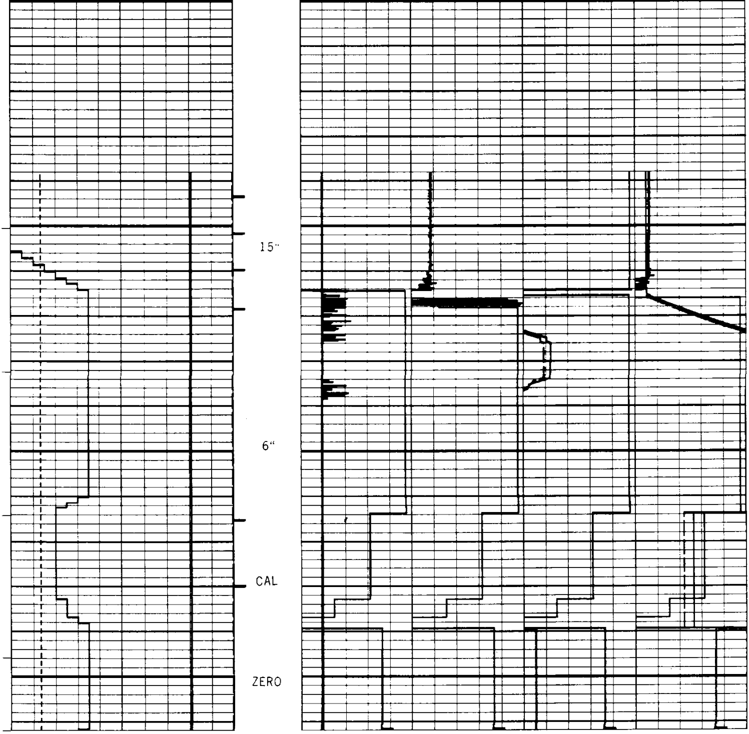


NORTHWEST NATURAL GAS COMPANY

I. W. 23d - 3

SERVICE DL3508 FILE 8

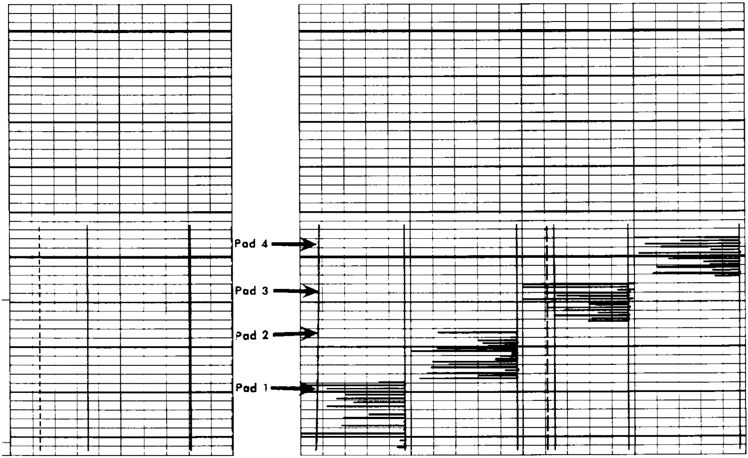
AFTER LOG CHECKS



NORTHWEST NATURAL GAS COMPANY

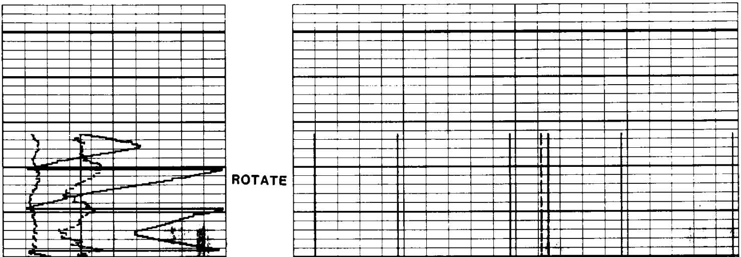
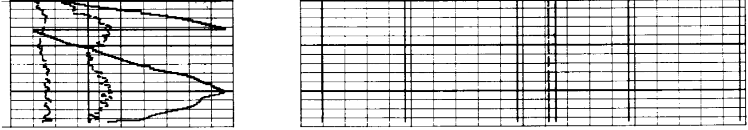
I. W. 23d - 3

SERVICE DL350S FILE 7



NORTHWEST NATURAL GAS COMPANY

I. W. 23d - 3

SERVICE DL3508 FILE 6