Schlumberger

COMPENSATED SONIC LOG

CSU

COMPANY:	OREGON NATURAL GAS DEVELOPMENT CORP
WELL:	PATTON 32-9 RD#1
FIELD:	OLNEY
COUNTY:	CLATSOP
STATE:	OREGON
LOCATION:	2068.78' S & 1380.1' W FROM THE NE CORNER OF
SEC:	9 TWP: 7N RGE: 8W

RECEIVED-PTI
MAR 10 1983
DEPT OF GEOLOGY

OTHER SERVICES-
DLL
FDC/CNL/GR

PERMANENT DATUM:	GL
ELEV. OF PERM. DATUM:	731.0 '
LOG MEASURED FROM:	KB
21.0 '	ABOVE PERM. DATUM
DRLG. MEASURED FROM:	KB

ELEVATIONS-
KB: 752.0 '
DF:
GL: 731.0 '

PROGRAM
TAPE NO:
22.4
SERVICE
ORDER NO:
382921

DATE:	17 FEB 1983
RUN NO:	1

DEPTH-DRILLER:	3917.0 '
DEPTH-LOGGER:	3900.0 '
BTM. LOG INTERVAL:	3858.0 '
TOP LOG INTERVAL:	2030.0 '
CASING-DRILLER:	2030 '
CASING-LOGGER:	2030 '
CASING:	9.625
BIT SIZE:	8.75
DEPTH:	3917 '

TYPE FLUID IN HOLE:	KCL POLYMER
DENSITY:	9.9 LB/G
VISCOSITY:	40.0 S
PH:	7.5
FLUID LOSS:	7.6 C3
SOURCE OF SAMPLE:	CIRC
RM:	0.120 OHMM AT 57.0 DEGF
RMF:	0.097 OHMM AT 57.0 DEGF
RMC:	0.230 OHMM AT 58.0 DEGF
SOURCE RMF/RMC:	MEAS. /MEAS.
RM AT BHT:	0.066 OHMM AT 108. DEGF
RMF AT BHT:	0.053 OHMM AT 108. DEGF
RMC AT BHT:	0.130 OHMM AT 108. DEGF

TIME CIRC. STOPPED: 1200
TIME LOGGER ON BTM.: 2300

MAX. REC. TEMP: 108.0 DEGF

LOGGING UNIT NO: 8128
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: ANDERSEN
WITNESSED BY: PORTWOOD

REMARKS:

EQUIPMENT NUMBERS-

SLM 131
IS 457
SLC 592
IC 342
PDH 079
MCD 305
SLS 375
IEM 304

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

FILE

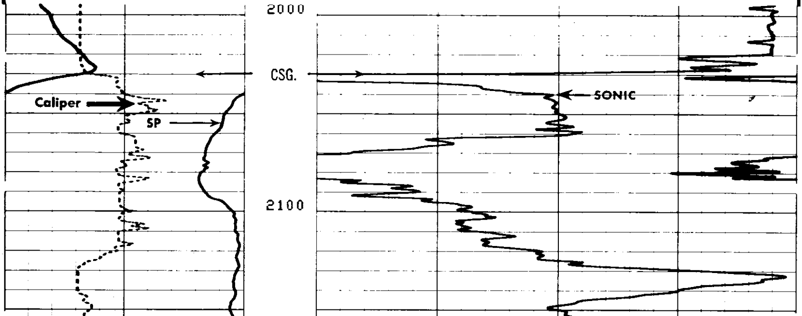
106

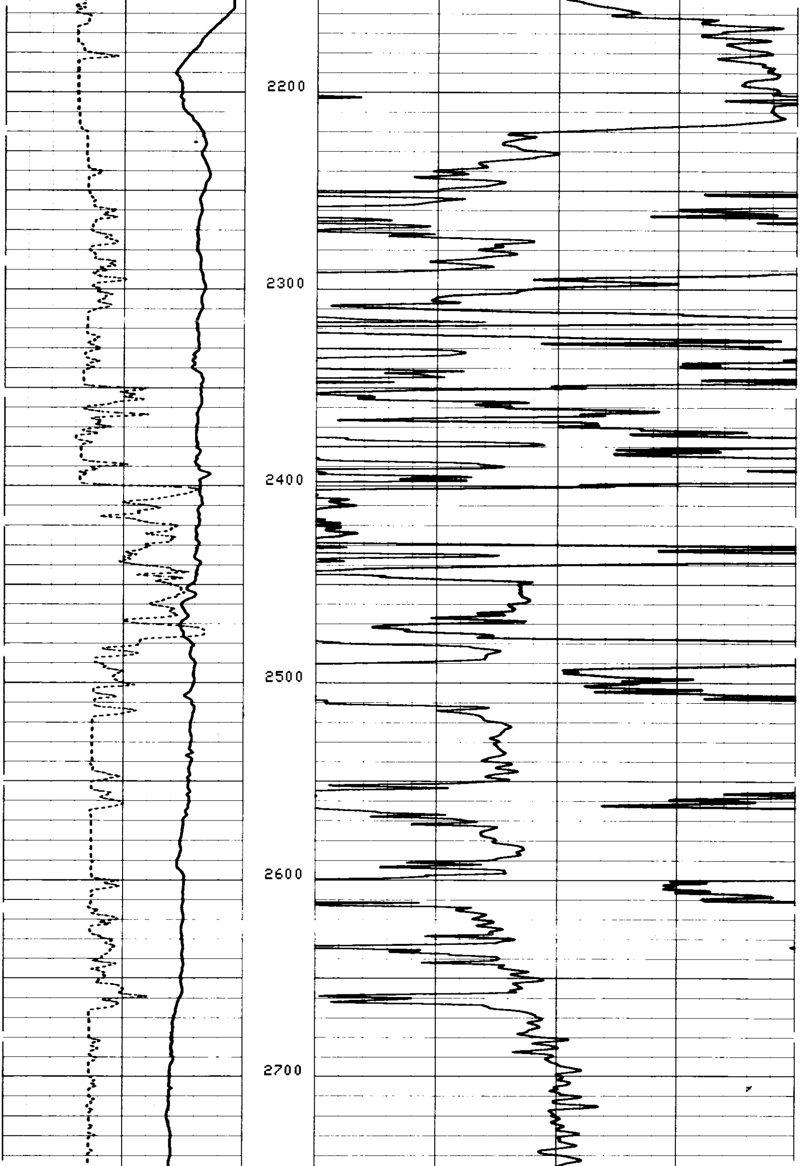
CALI(IN)
6.0000 16.000
SP (MV)
-140.0 60.000

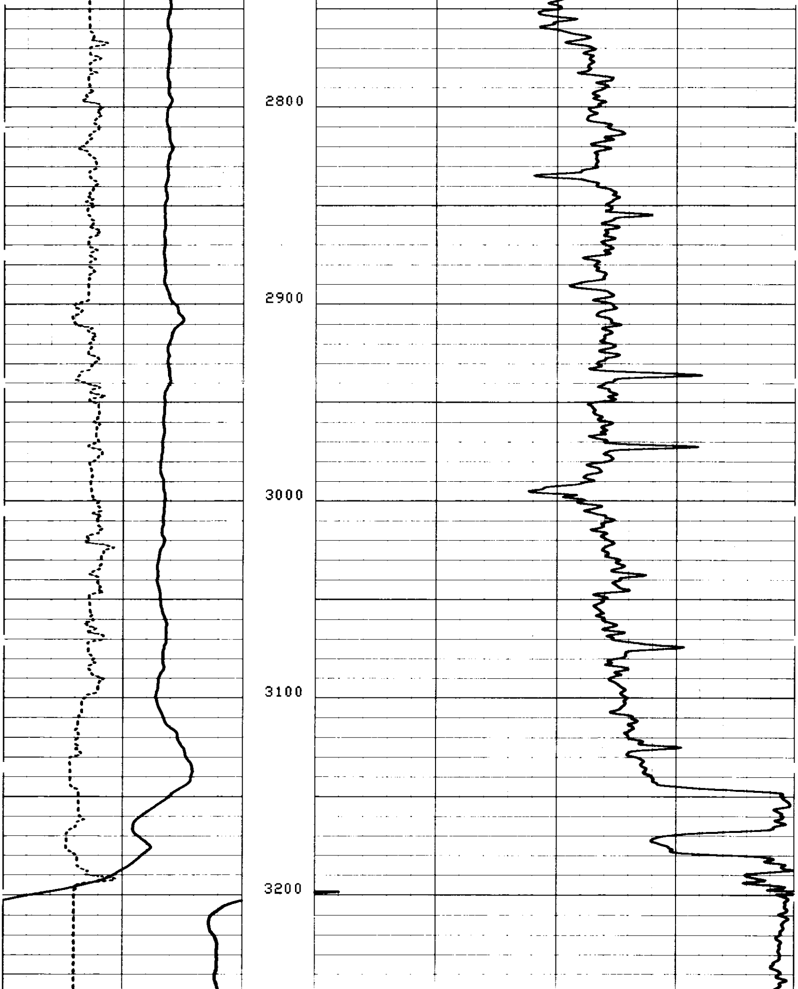
DT (US/F)
150.00 50.000

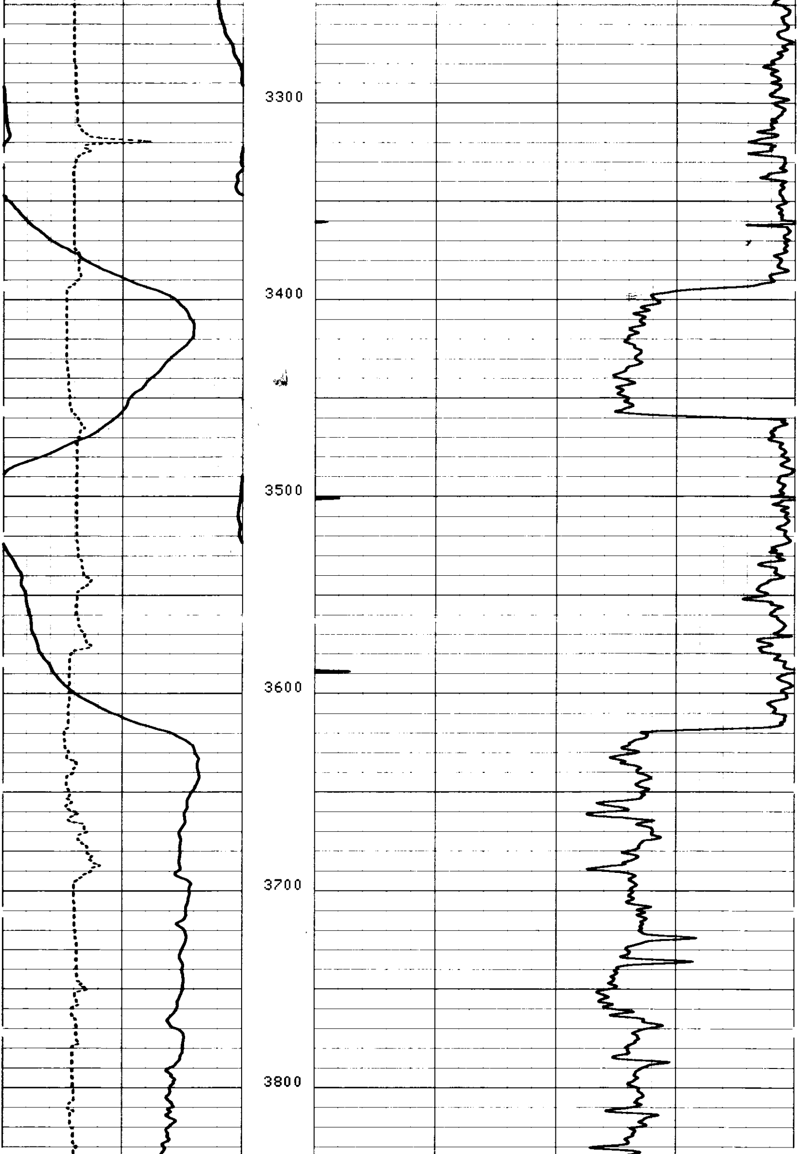
FILE

106









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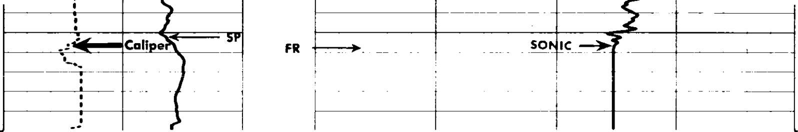


FILE

106

CALI(IN)		DT (US/F)	
6.0000	16.000		
SP (MV)			
-140.0	60.000	150.00	50.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	45.4	FEET	DT	42.9	FEET
SRAT	42.9	FEET	CBL	45.4	FEET
CALI	33.3	FEET	TT	45.4	FEET
SFL	7.9	FEET	ILD	10.9	FEET
SP	4.0	FEET	ILM	7.3	FEET
TENS	.0	FEET	SPAR	4.0	FEET
NOIS	37.2	FEET			

PARAMETERS

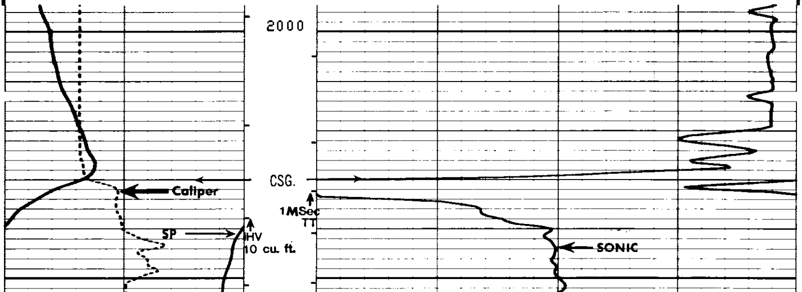
NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	100.000		BS	8.75000	IN
DTF	189.000	US/F	DTM	56.0000	US/F
SBR	1.00000	OHMM	DSEC	10.5000	MMHO
FPHI	SPHI		MSEC	8.50000	MMHO
DO	0.0	F	BHS	OPEN	

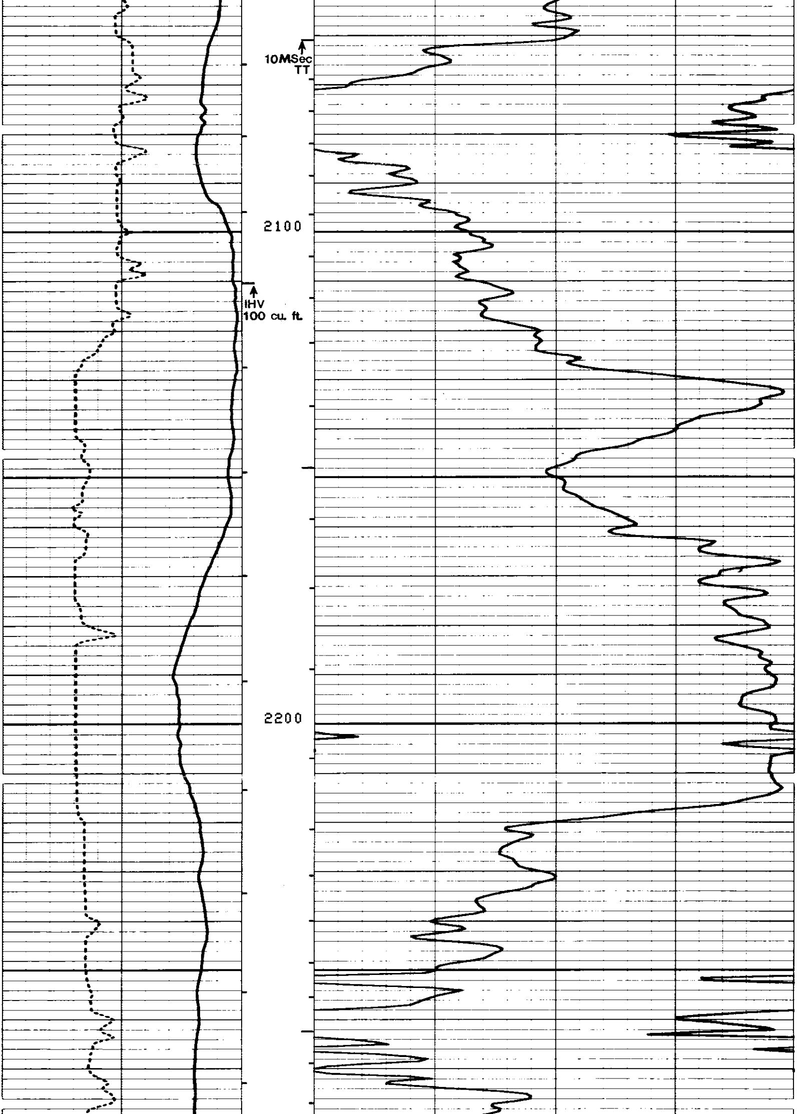
CALI(IN)		DT (US/F)	
6.0000	16.000		
SP (MV)			
-140.0	60.000	150.00	50.000

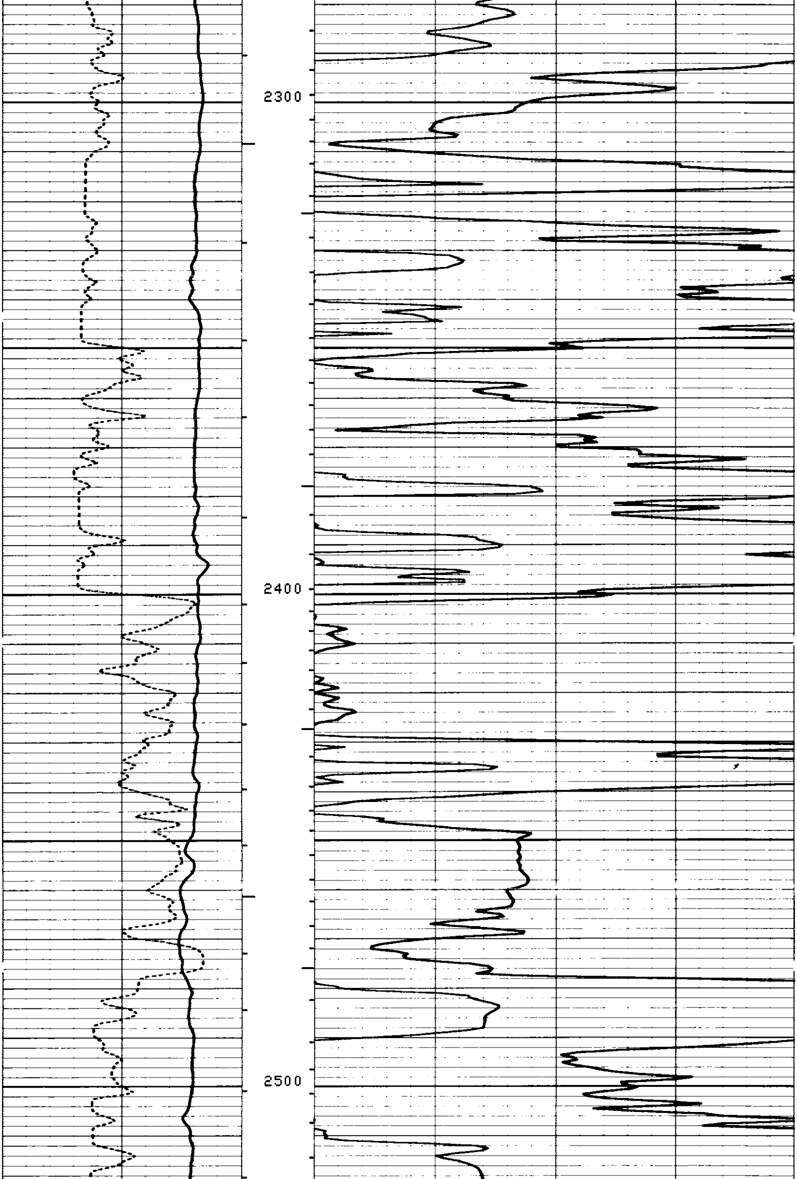
DETAIL LOG
5" = 100'

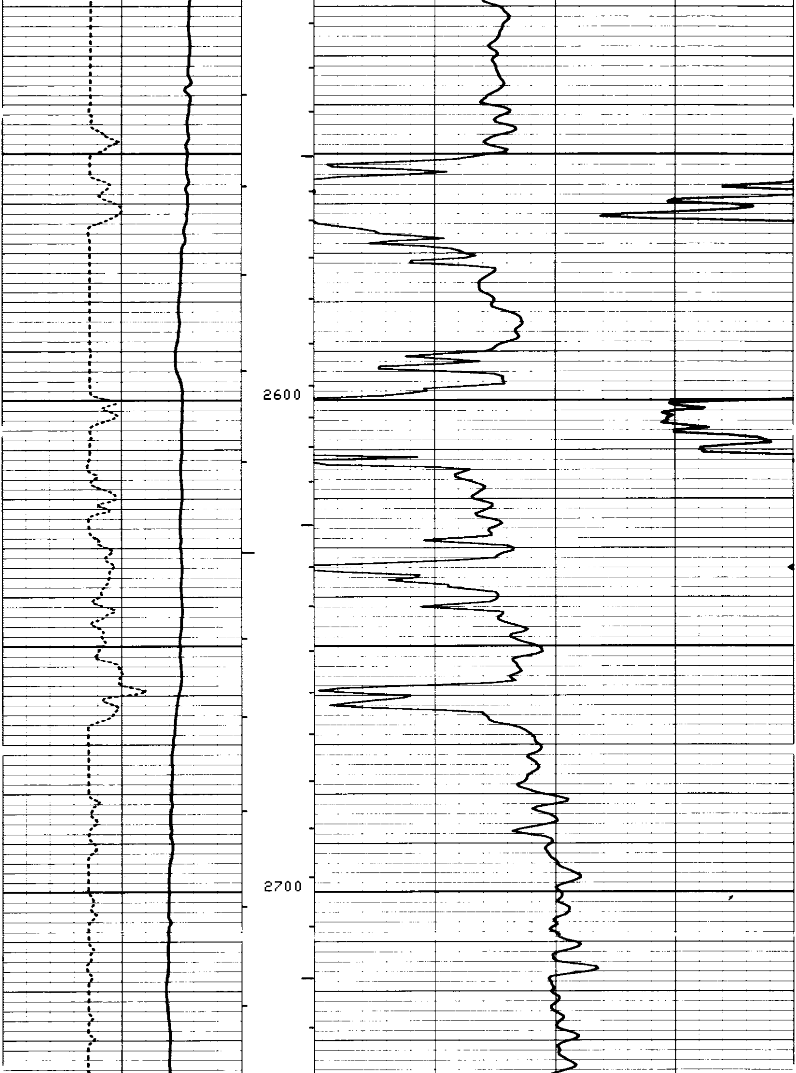
FILE

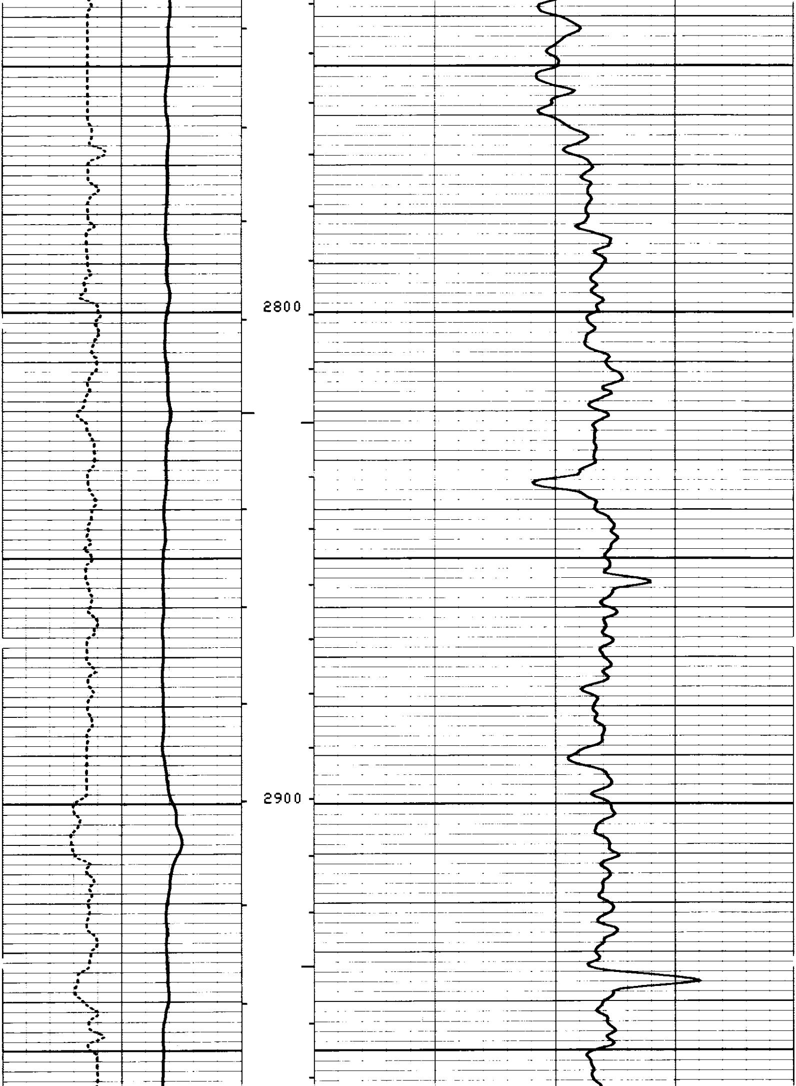
106

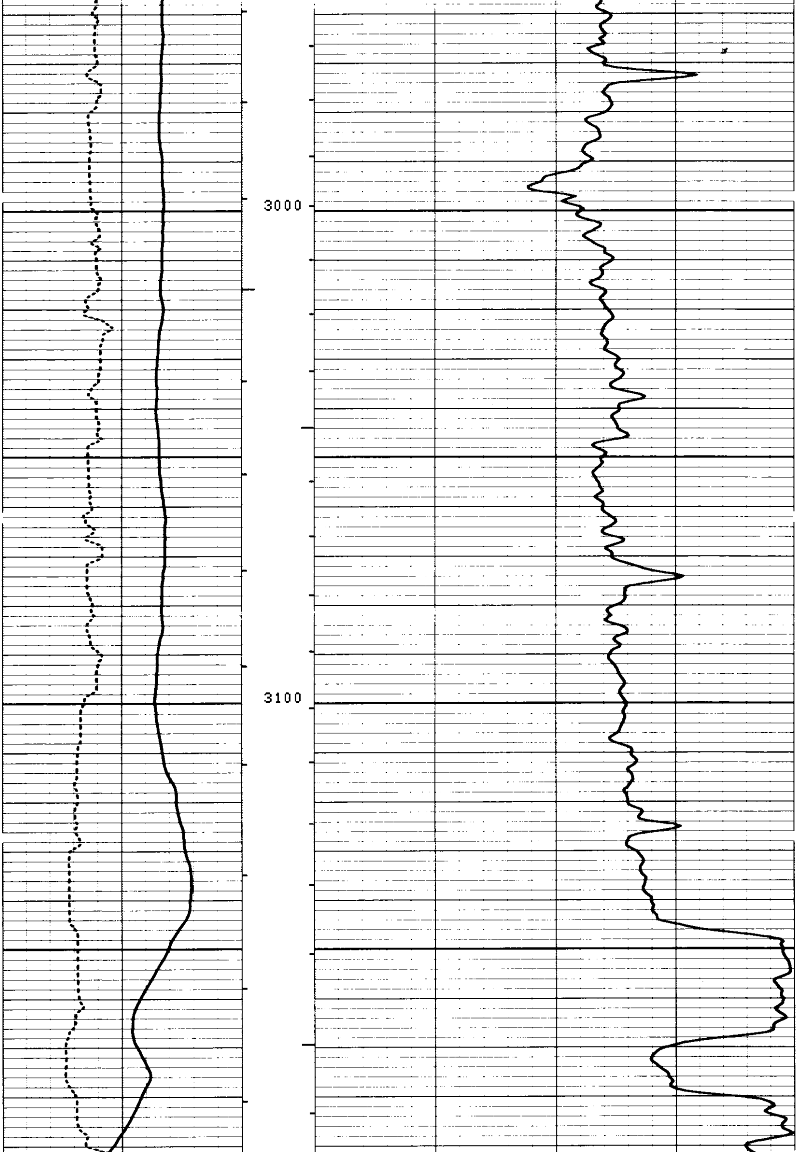












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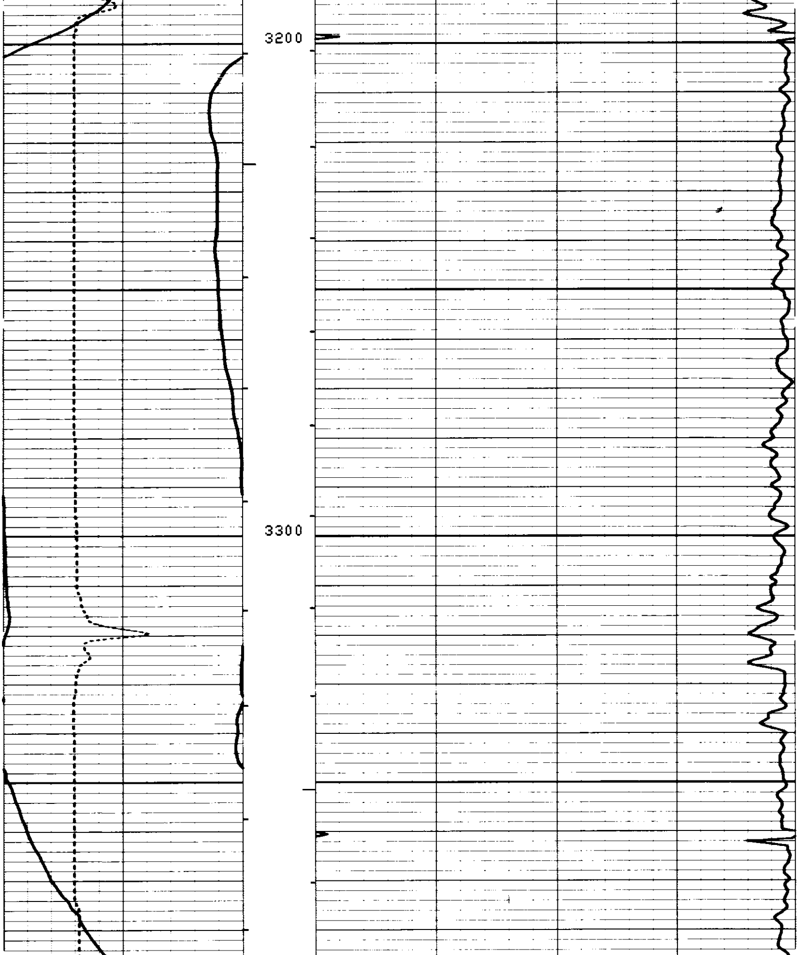

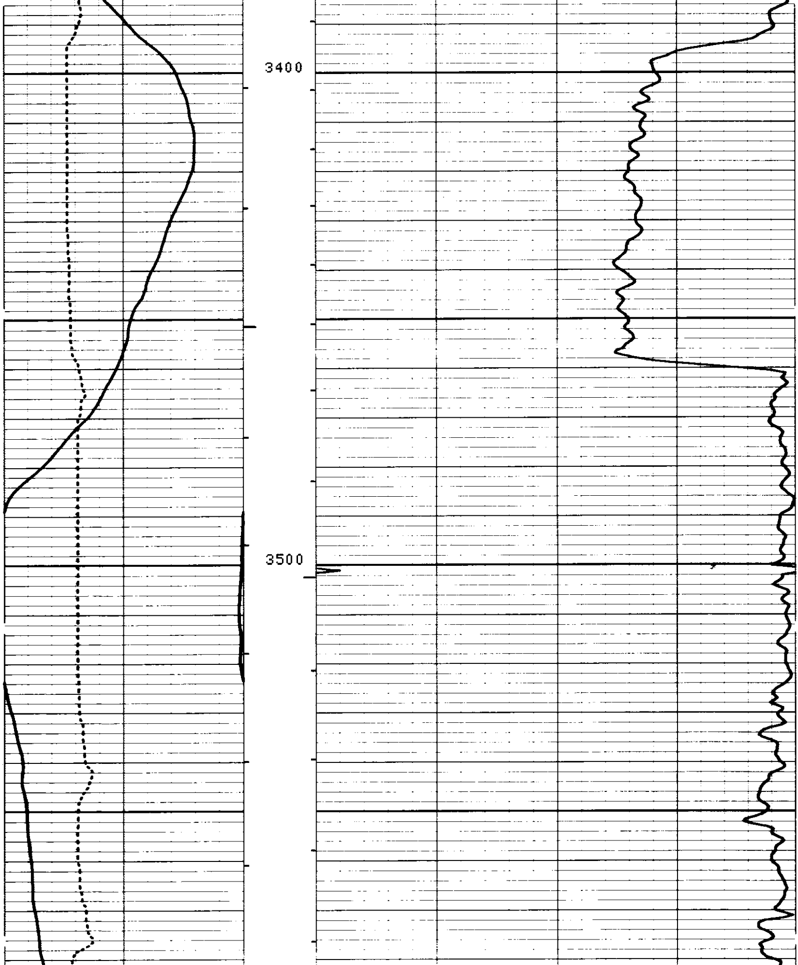

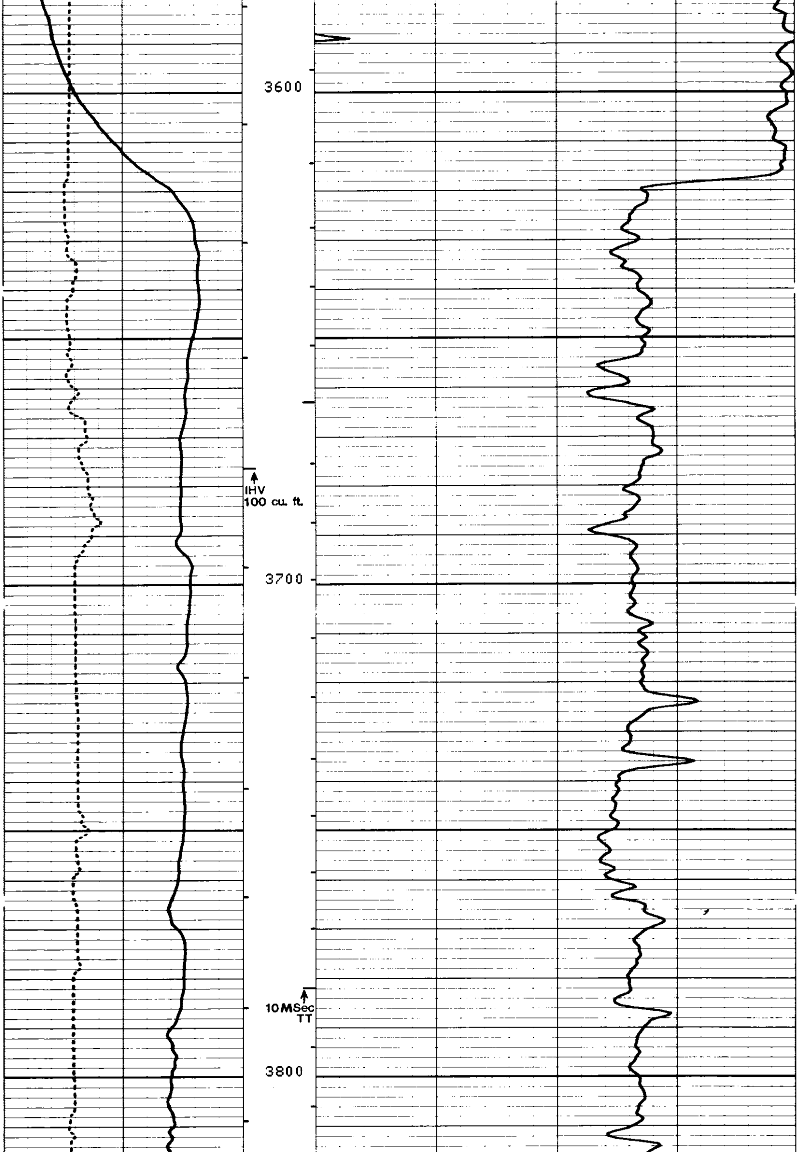

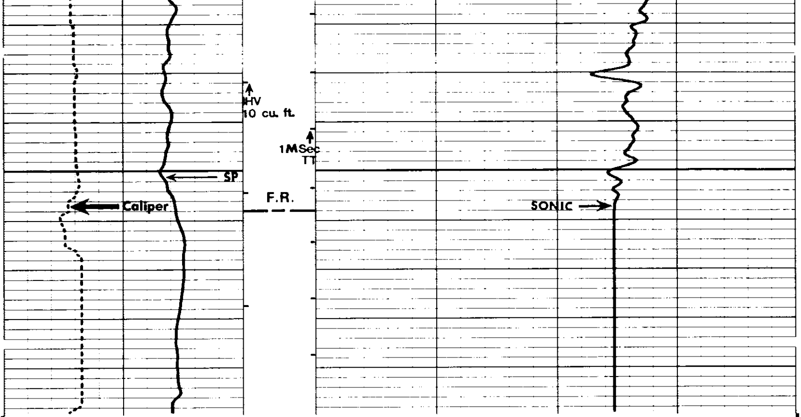

FILE

106

DETAIL LOG
5" = 100'

CALI(IN)			DT (US/F)	
6.0000	16.000			
SP (MV)				
-140.0	60.000		150.00	50.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	45.4	FEET	DT	42.9	FEET
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NOIS	37.2	FEET			

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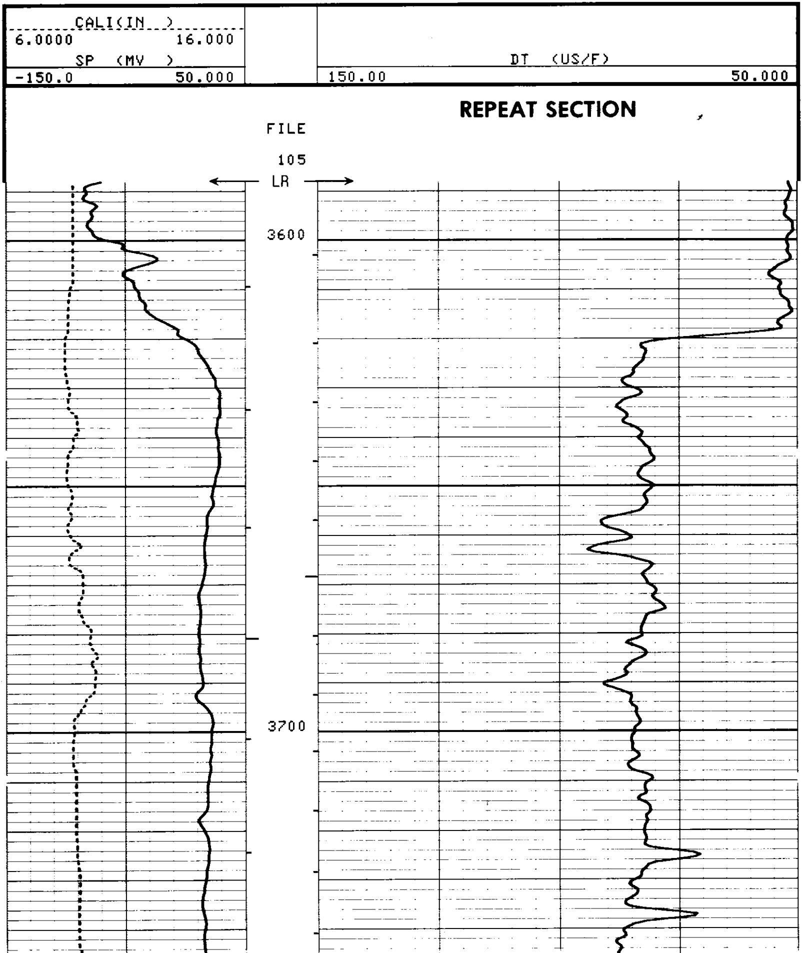
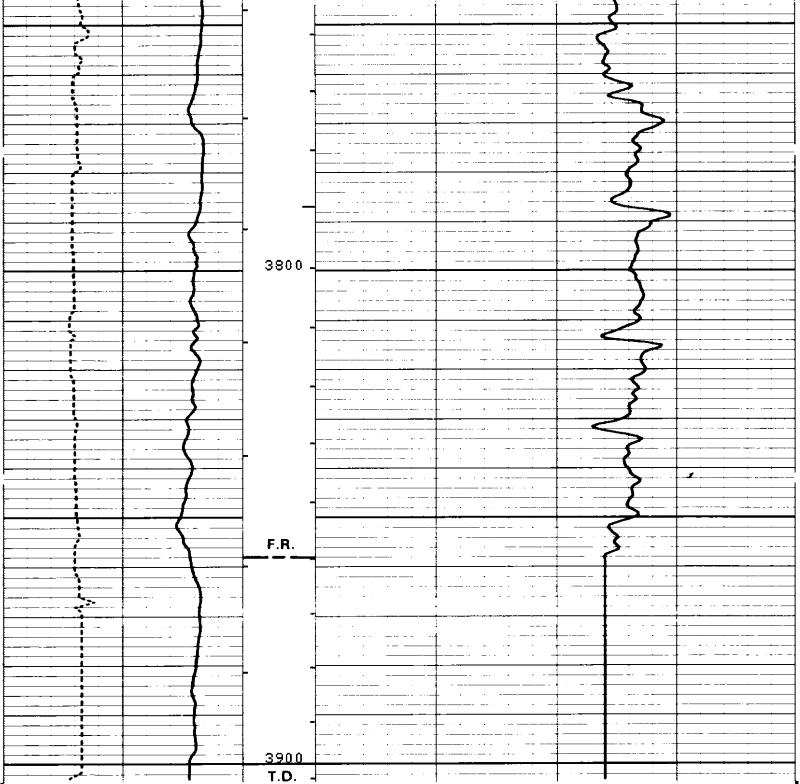
FPHI	SPHI		MSEC	8.50000	MMHO
DO	-2.00000	F	BHS	OPEN	

REPEAT SECTION





FILE

105

REPEAT SECTION

CALI(IN)		
6.0000	16.000	
SP (MV)		DT (US/F)
-150.0	50.000	150.00 50.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	45.4	FEET	DT	42.9	FEET
SRAT	42.9	FEET	CBL	45.4	FEET
CALI	33.3	FEET	TT	45.4	FEET
SFL	7.9	FEET	ILD	10.9	FEET
SP	4.0	FEET	ILM	7.3	FEET
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SBR	1.00000	OHMM	DSEC	10.5000	MMHO
FPHI	SPHI		MSEC	8.50000	MMHO
DO	-2.00000	F	BHS	OPEN	

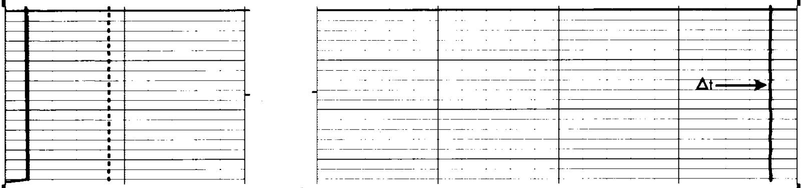
CALI(IN)
6.0000 16.000
SP (MV)
-150.0 50.000

DT (US/F)
150.00 50.000

FILE

24

Sonic Check in Casing



FILE

24

Sonic Check in Casing

CALI(IN)
6.0000 16.000
SP (MV)
-150.0 50.000

DT (US/F)
150.00 50.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

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FPHI	SPHI		MSEC	8.50000	MMHO
DO	0.0	F	BHS	OPEN	

MCDB

CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	SMALL	LARGE	SMALL	LARGE	UNITS
CALI	7.8	12.3	8.0	12.0	IN

FILE

21

COMPANY OREGON NATURAL GAS DEVELOPMENT CORP.
WELL PATTON 32±9 RD#1
FIELD OLNEY
COUNTY CLATSOP STATE OREGON

SCHL. FR 3858.0'
SCHL. TD 3900.0'
DRLR. TD 3917.0'

Elev: KB 752.0'
DF N/A
GL 731.0'

SWS–2872