Permit # 457 #051-44 fm copy 3.53

FLORIDA GEOPHYSICAL LOGGING, INC.

X - Y CALIPER
GAMMA RAY
LOG

FILE NO. PERMIT NO. 457

COMPANY CALUMET FLORIDA, INC.
WELL RED CATTLE COMPANY "B" 29-1
FIELD WEST FELDA
COUNTY HENDRY STATE FLORIDA

LOCATION
660' FWL & 660' FSL
OF THE NE/4
API NO.: 09-051-20028
SEC. 29 TWP 45S RGE 28E

OTHER SERVICES:
NONE

PERMANENT DATUM GROUND LEVEL ELEV. 32.2'
LOG MEASURED FROM KB 17.5 FT. ABOVE PERMANENT DATUM
DRILLING MEASURED FROM KB

ELEV.: K.B. 49.7
D.F.
G.L. 32.2

DATE	04-OCT-96	
RUN NO.	PA 3	
TYPE LOG	XYCAL	
DEPTH-DRILLER	NA	
DEPTH-LOGGER	2110'	
LOGGED INTERVAL	2110' TO 0'	TO
OPERATING RIG TIME	1.0 HOUR	
TYPE FLUID IN HOLE	WATER/OIL	
SALINITY, PPM CL	NA/NA	
DENSITY-VISCOSITY	NA/NA	
LEVEL	FULL	
MAX. REC. TEMP. DEG F.	NA	
EQUIPMENT-LOCATION	101 FTM	
RECORDED BY	JONES	
WITNESSED BY	MIKE WILSON (YBI)	PAUL ATTWOOD(PDEP)

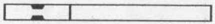
FLORIDA GEOLOGICAL SURVEY
2295 VICTORIA AVENUE, SUITE 179
FT. MYERS, FLORIDA 33901

BOREHOLE RECORD				CASING RECORD			
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
	12.25"	1281'	T.D.	13 3/8"		1281'	SURFACE

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 INTERPRETATION, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFULL NEGLEGENCE 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 SET OUT IN OUR CURRENT PRICE SCHEDULE.

REMARKS

XY CALIPER/GAMMA RAY TOOL STRING CONFIGURATION



-- GAMMA RAY -- 3 FT. LONG
MEASURE POINT 7.5 FT. FROM BOT

-- TOTAL TOOL STRING LENGTH = 9 FT. --

-- XY CALIPER -- 6 FT. LONG

--SHORT ARM MEASURE POINT 3 FT. FROM BOT

-- BOT

REMARKS

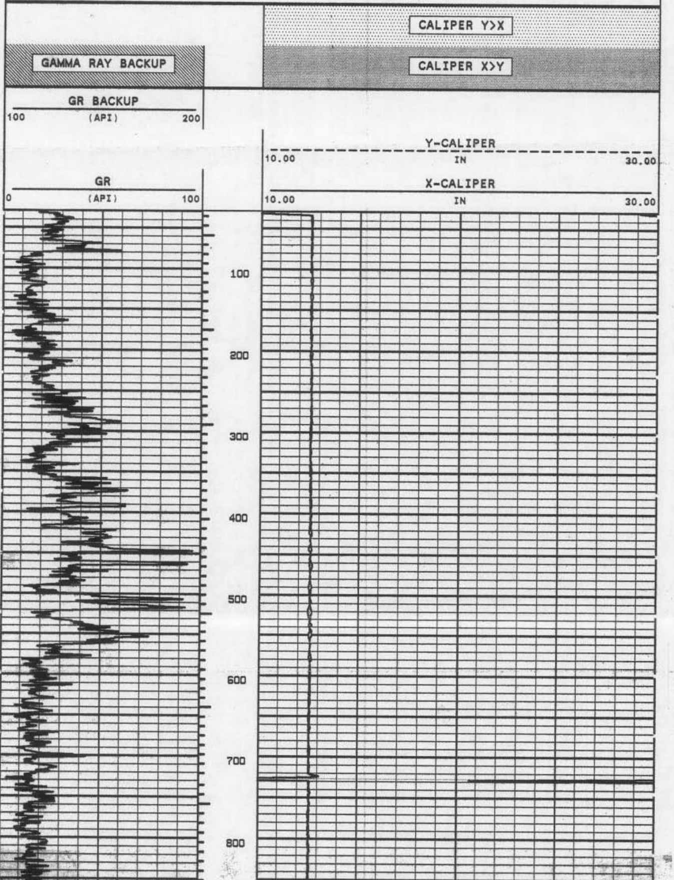
DEPTH SCALE = 1"/100'

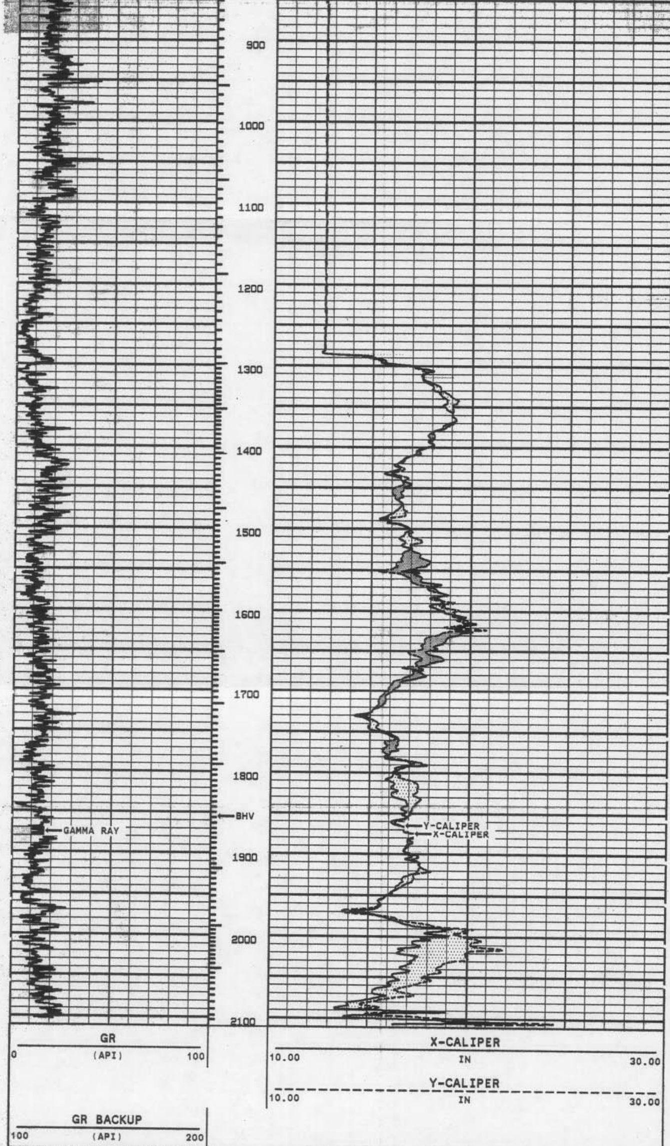
VERSION: 2.26

MAIN PASS

REDCOWXYM1

FINISH DEPTH: 29.9 FEET DIRECTION: UP DATE: 10/04/96 TIME: 10:09:45 MODE: TRACE PLAYBACK





GAMMA RAY BACKUP

CALIPER X>Y

CALIPER Y>X

START DEPTH: **2110.3 FEET** DIRECTION: **UP** DATE: **10/04/96** TIME: **08:46:39** MODE: **TRACE PLAYBACK**

REDCOWXYMP

MAIN PASS

VERSION: 2.26

REMARKS

DEPTH SCALE = 5"/100'

VERSION: 2.26

MAIN PASS

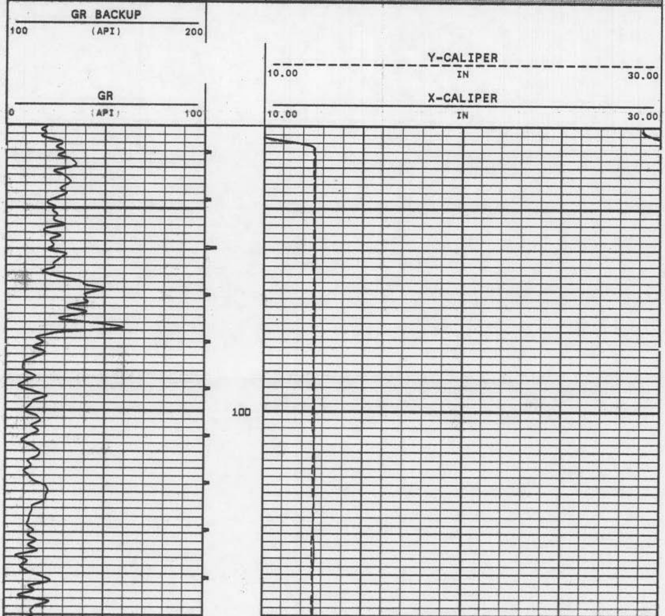
REDCOWXYM1

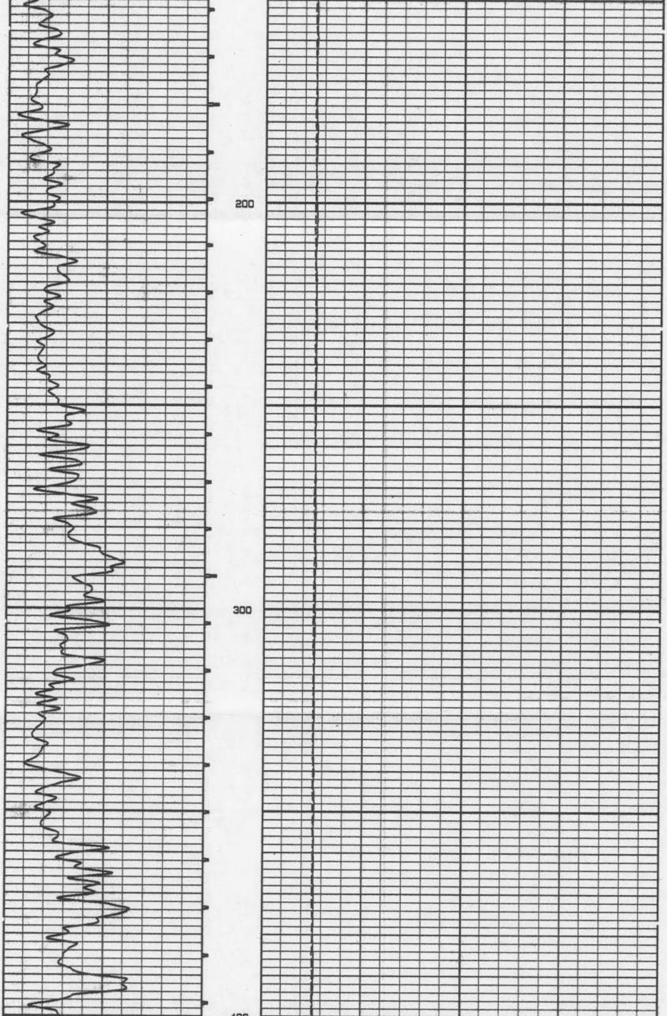
FINISH DEPTH: **29.9 FEET** DIRECTION: **UP** DATE: **10/04/96** TIME: **10:09:45** MODE: **ORIGINAL**

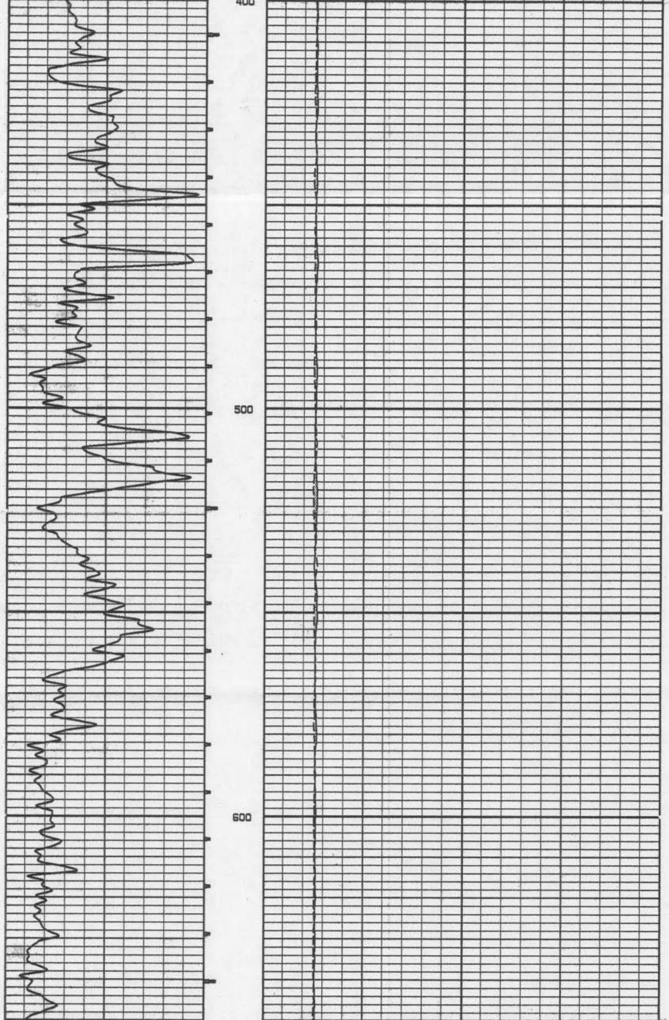
CALIPER Y>X

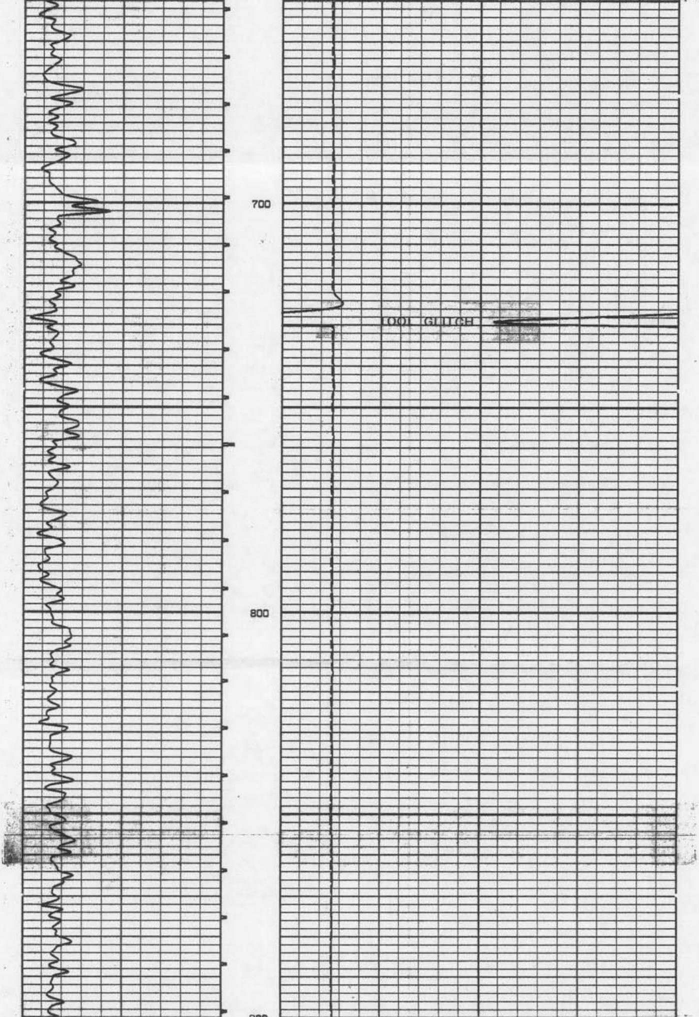
GAMMA RAY BACKUP

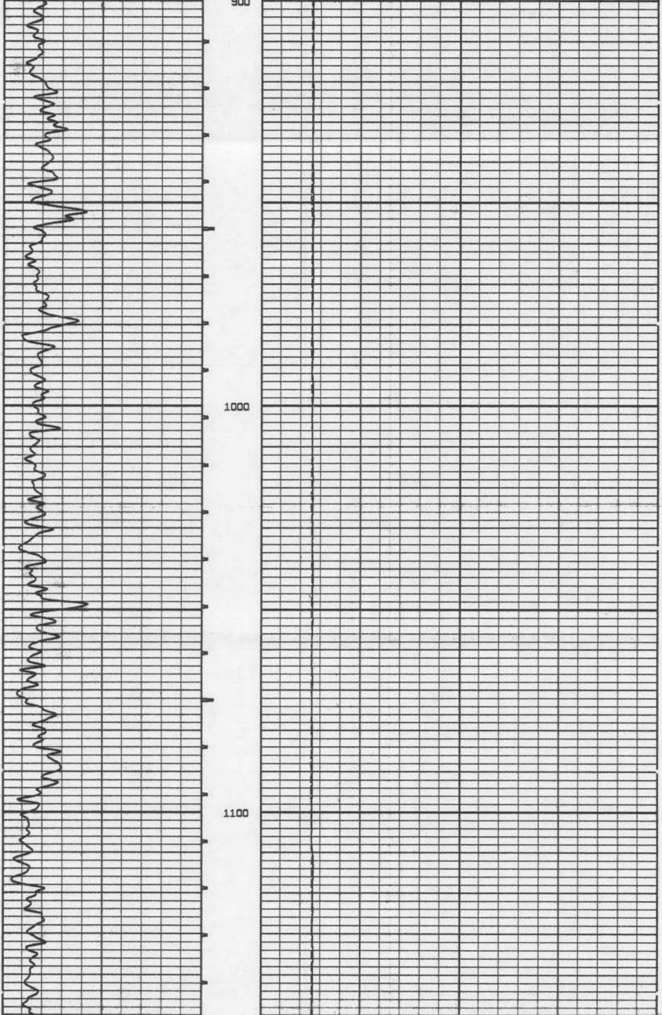
CALIPER X>Y

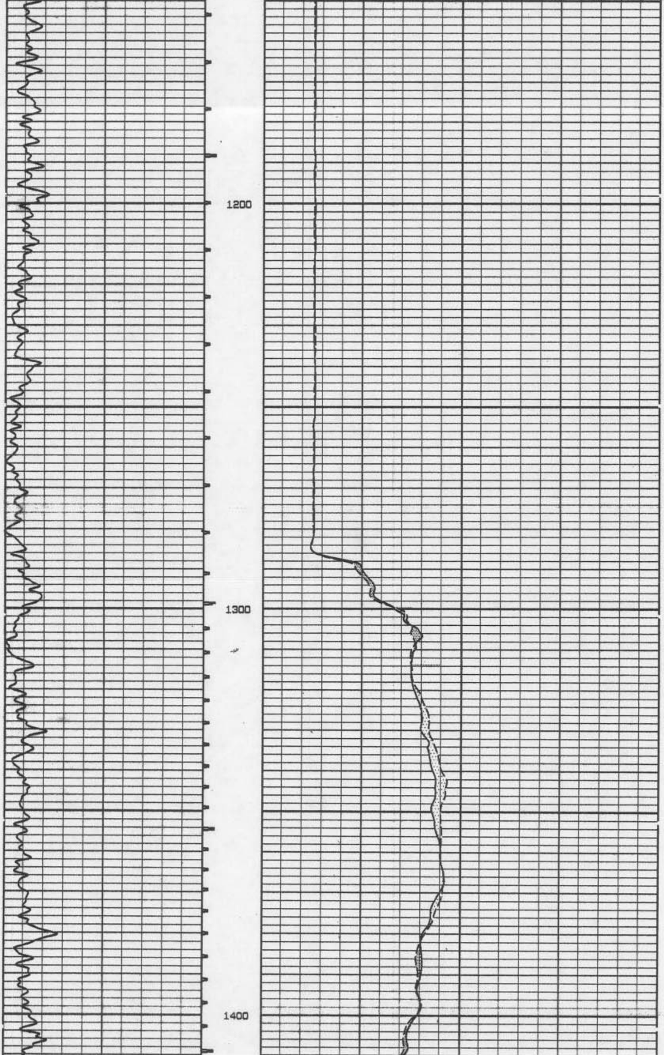


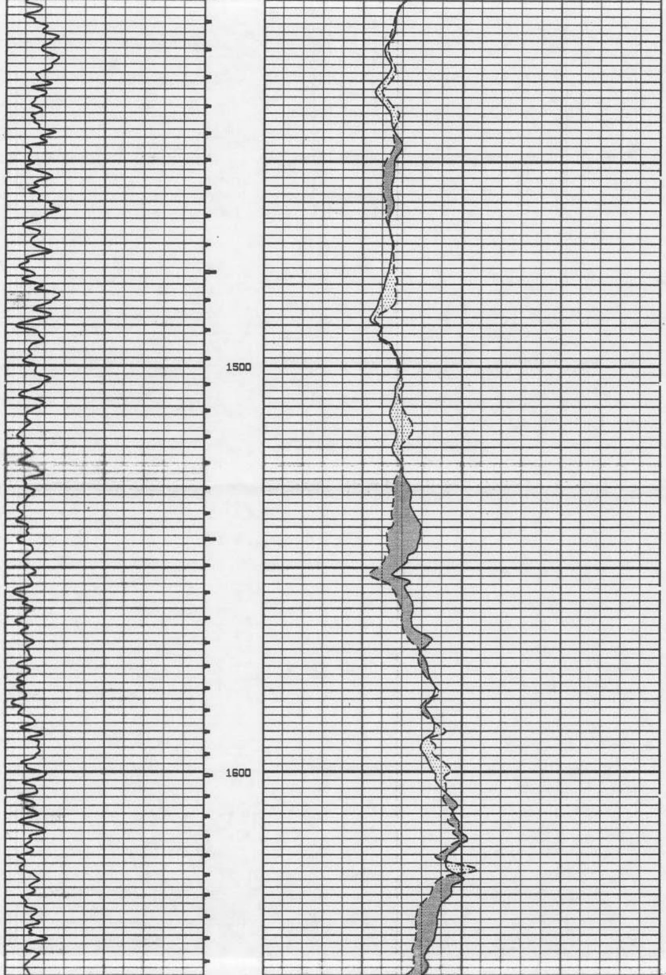


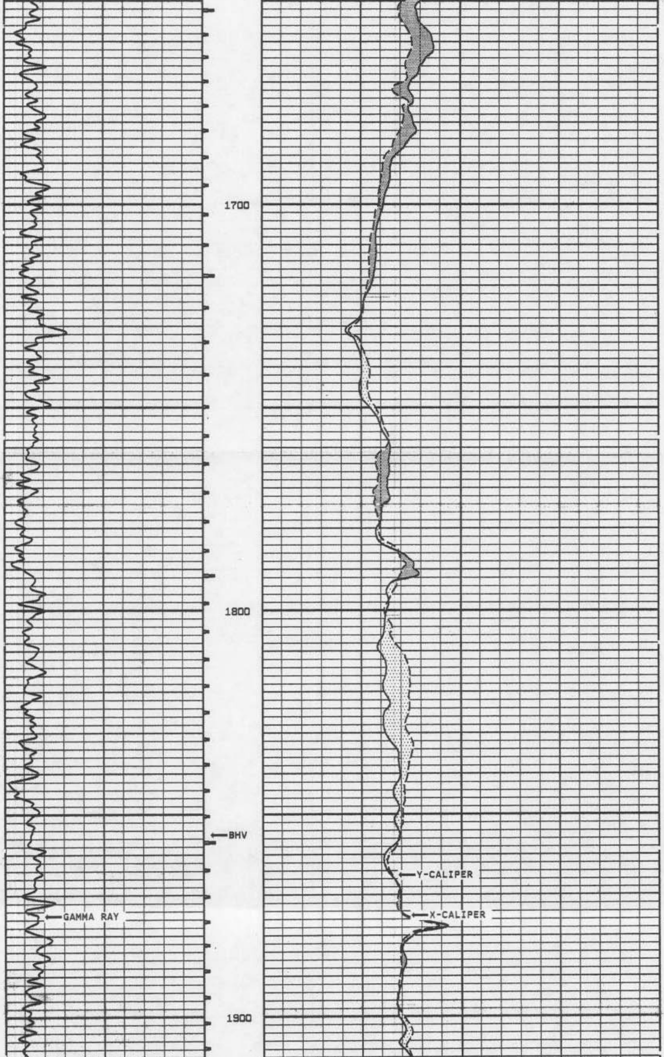


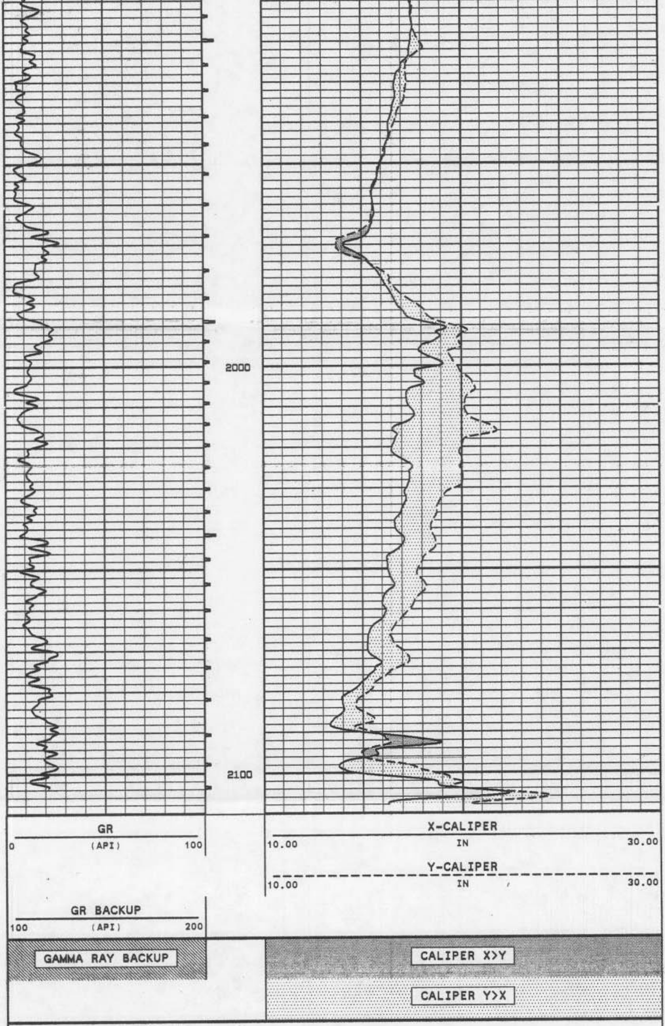












START DEPTH: 2110.3 FEET DIRECTION: UP DATE: 10/04/96 TIME: 08:46:39 MODE: TRACE PLAYBACK

REDCOWXYMP

MAIN PASS

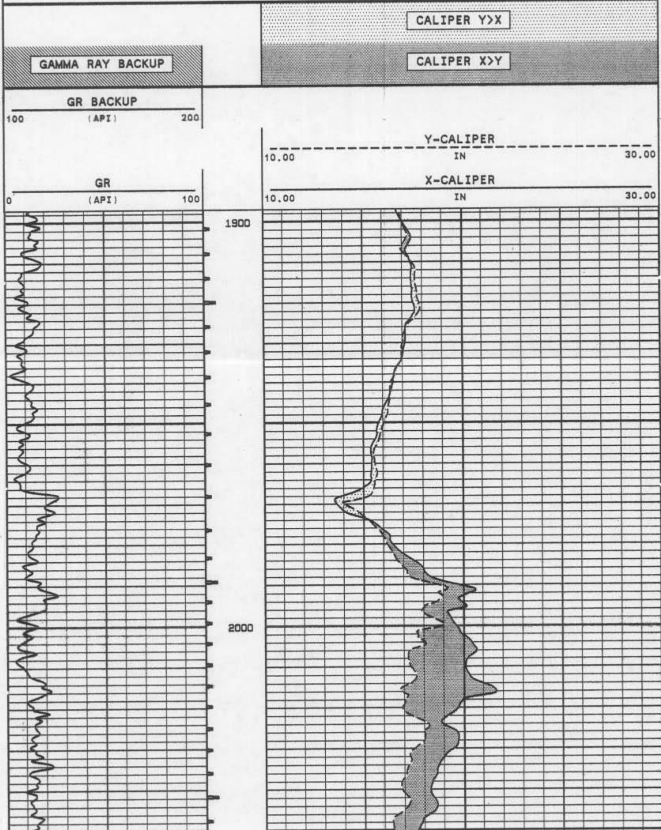
VERSION: 2.26

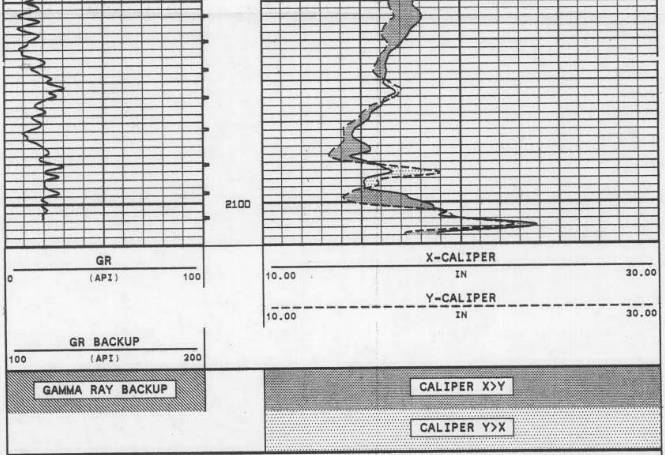
VERSION: 2.26

REPEAT PASS

REDCOWXYRP

FINISH DEPTH: 1897.3 FEET DIRECTION: UP DATE: 10/04/96 TIME: 08:43:49 MODE: TRACE PLAYBACK





START DEPTH: 2110.3 FEET DIRECTION: UP DATE: 10/04/96 TIME: 08:38:17 MODE: TRACE PLAYBACK

REDCOWXYRP

REPEAT PASS

VERSION: 2.26

MASTER CALIBRATION SUMMARY

FILE: DATE: 10/04/96 TIME: 09:32 VERSION: 2.26

X-CALIPER TOOL #01

DATE: 08/08/96 TIME: 08:24

	MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS
10"	467.0	CPS	9.5	9.4	9.5	0.03	IN
20"	724.0	CPS	18.8	18.7	18.8	0.04	IN
30"	1039.9	CPS	29.5	29.4	29.5	0.02	IN

Y-CALIPER TOOL #01

DATE: 08/08/96 TIME: 08:24

	MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS
10"	451.8	CPS	9.5	9.4	9.5	0.04	IN
20"	698.6	CPS	19.0	19.0	19.0	0.04	IN
30"	987.4	CPS	29.5	29.4	29.5	0.03	IN

GR API CAL

DATE: 10/04/96 TIME: 08:01

	MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS
SHOP: BACKGROUND	43.2	CPS	0.0	42.7	95.1	10.26	API
SHOP: CALIBRATOR	118.5	CPS	120.0	142.6	236.5	20.41	API

COMPANY CALUMET FLORIDA, INC.
API: 09-051-20028 PERMIT NO.: 457
WELL RED CATTLE COMPANY "B" 29-1
FIELD WEST FELDA STATE FLORIDA