

CALIPER HOLE DIAM. IN INCHES		DEPTHS	CORRECTION GRAMS/CC.		POROSITY FOR G=2.82G/CC
0 16			0 +.25		20%
GAMMA RAY API UNITS			BULK DENSITY GRAMS/CC.		
0 100 200			2.0 2.5 3.0		
		P-1			
		4000			
		P-2			
		4200			
		4300			
		P-3			

SCHLUMBERGER

FORMATION DENSITY LOG

Gamma-Gamma

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY

ROOSEVELT

FIELD or LOCATION

CHAVEROO

WELL

N.M.ST. AZ # 9

COMPANY

SUNRAY DX OIL COMPANY

COMPANY

SUNRAY DX OIL COMPANY

Proposed

Halley Chaveroo San Andres Unit Well #34-6

WELL

NEW MEXICO STATE AZ # 9

FIELD

CHAVEROO

COUNTY

ROOSEVELT

STATE

NEW MEXICO

Location:

1980' FROM N/L
1980' FROM W/L

Other Services:

LL, MLL

Sec. 34

Twp. 7S

Rge. 33E

Permanent Datum:

GL

Elev. 4400

Log Measured From:

KB

12 Ft. Above Perm. Datum

Drilling Measured From:

KB

Elev. K.B. 4412
D.F. 4411
G.L. 4400

Date

9-24-65

Run No.

ONE

Type Log

GG-GR

Depth—Driller

4450

Depth—Logger

4457

Bottom logged interval

4456

Top logged interval

0

Two fluid in hole

SALT GEL, STARCH, OIL, HYSEAL, DEFOMER

Initial PPM Cl.

150,000

Level

FULL

Max rec. temp, deg F.

110

Operating rig time

3 1/2 HOURS

Recorded by

SCHAEFFER

Witnessed by

MR. MOBERLY

RUN

NO.

7

7/8

360

BORE-HOLE RECORD

From

To

Size

Wt.

From

To

7

7/8

360

4450

8 5/8

SUBS.

360

EQUIPMENT DATA

General

Run No.

ONE

Tool Model No.

PGT-C

Diameter

3 5/8

Def'r Model No.

PGD-C

Type

SCINT

Run No.

ONE

Holst Truck No.

3701

Inst. Truck No.

3701

Tool Serial No.

33

Location

HOBBS

LOGGING DATA

General

Run No.

1

From

0

To

4456

Speed Ft./Min.

30

T.C. Sec.

2

Sens. Settings

400

Zero Div. L or R

0

API Units per Log Div.

10

Gamma-Gamma

T.C. Sec.

2

Sens. Settings

300

Zero Div. R. of Zero of Track II

248

Standard CPS per Log Div.

30

Remarks: CAL: GB:B 60 430 82.5 800
GG:B 5 400/1400 8/28 500

CALIPER HOLE DIAM. IN INCHES		DEPTHS	FORMATION DENSITY LOG STANDARD COUNTS/SECOND	
6"	16"		720	420
GAMMA RAY API UNITS			BULK DENSITY GRAMS/CC.	
0	100		2.98 2.92 2.86 2.80 2.76 2.71 2.68 2.64 2.61 2.58 2.55 2.52 2.49 2.47 2.45 2.43 2.41 2.39 2.37 2.35 2.33	
100	200	P1		
		400		
		P-1		
		4200		
		P-2		
		4300		
		P-3		

Gamma Ray

EXHIBIT X.

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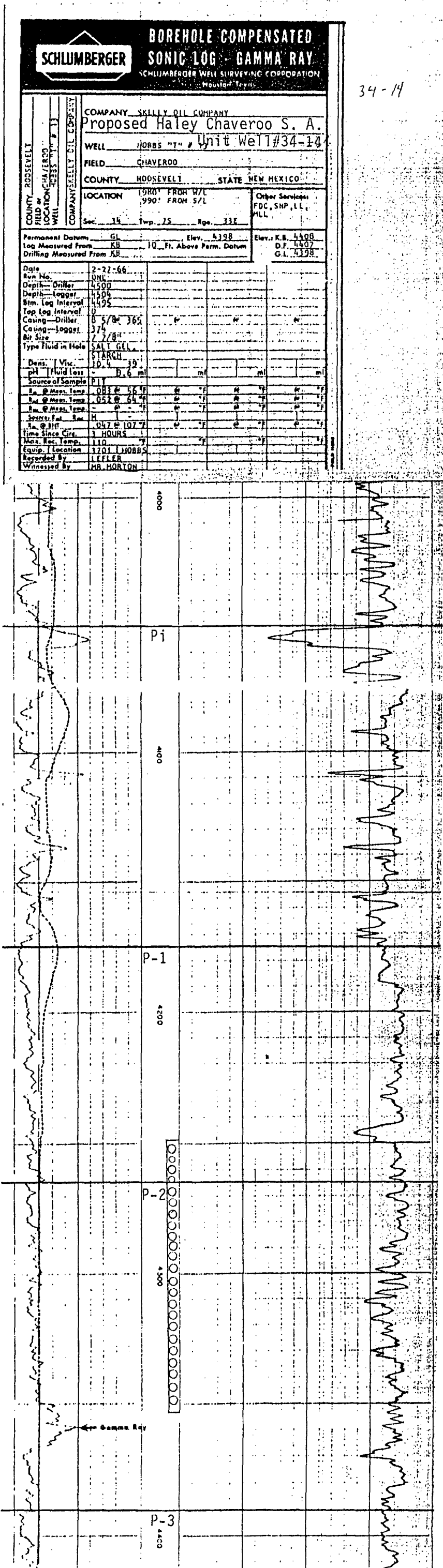


EXHIBIT X.