Highlands Energy, Frost National Bank No. 1 Artificial Penetration 54

DUAL INDUCTION - SFL

HIGHLAND ENERGY
FROST NATIONAL BANK TRUST #1
PHOMIX LAKE
ORANGE
TEXAS
W.M. BURWICK SUR. A-276
Y-849,478.43 X-3,673,279.4
TWP: RGE:
30 03 55.858
93 42 31.054

PERMANENT DATUM: BRADEN HEAD
ELEV. OF PERM. DATUM:
LOG MEASURED FROM: RKB 24.7' ABOVE PERM. DATUM
DRLG. MEASURED FROM: RKB

ELEVATIONS-
KB: 24.7'
DF:
GL: 23.7'

DATE: 21 OCT 81
RUN NO: 1

R.R.C.

DEPTH-DRILLER: 9115.0'
DEPTH-LOGGER: 9103.0'
BTM. LOG INTERVAL: 9100.0'
TOP LOG INTERVAL: 1535.0'
CASING-DRILLER: 1523'
CASING-LOGGER: 1535'
CASING: 9 5/8
BIT SIZE: 8 1/2
DEPTH: 9103'

OTHER SERVICES-

PROGRAM TAPE NO: 20.2
SERVICE ORDER NO: 24711

TYPE FLUID IN HOLE:	SPER/TAWN
DENSITY:	10.1 LB/G
VISCOSITY:	38.0 S
PH:	10.5
FLUID LOSS:	6.0 C3
SOURCE OF SAMPLE:	CIR PIT
RM:	0.797 OHMM AT 75.0 DF
RMF:	0.677 OHMM AT 75.0 DF
RMC:	1.200 OHMM AT 75.0 DF
SOURCE RMF/RMC:	MEAS/CALC
RM AT BHT:	0.373 OHM AT 168. DF
RMF AT BHT:	0.317 OHM AT 168. DF
RMC AT BHT:	0.562 OHM AT 168. DF
TIME CIRC. STOPPED:	0100 21/10/8
TIME LOGGER ON BTM.:	1000 21/10/8
MAX. REC. TEMP:	168.0 DF
LOGGING UNIT NO:	8078
LOGGING UNIT LOC:	DAYTON
RECORDED BY:	FELICE
WITNESSED BY:	COOMBS

REMARKS:

RM .666 @ 90

EQUIPMENT NUMBERS-

DIS 1123 DIC 376

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

SP (MV)		ILD / SFLA	CILD (MMHO)
-160.0 — 40.00		SFLA (OHMM) 0.0 — 10.00	4000. — 0.0
20		SFLA (OHMM) 0.0 — 2.000	
		ILD (OHMM) 0.0 — 10.00	

FILE

2

SP (MV)		ILD / SFLA	CILD (MMHO)
		ILD (OHMM) 0.0 — 10.00	
20		SFLA (OHMM) 0.0 — 2.000	
-160.0 — 40.00		SFLA (OHMM) 0.0 — 10.00	4000. — 0.0

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

SFL	3.9	FEET	ILD	6.9	FEET
SP	.0	FEET	ILM	3.3	FEET
TENS	.0	FEET	SPAR	.0	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
DSEC	4.200	MMHO	BS	8.500	IN
MSEC	5.000	MMHO	SBR	0.5000	OHMM
DO	0.0		BHS	OPEN	