FORMATION DENSITY/COMPENSATED NEUTRON

CSU

COMPANY: TRUE OIL COMPANY
WELL: ROARK FEDERAL #12-10
FIELD: WILDCAT
COUNTY: WHITE PINE
STATE: NEVADA
NATION: U.S.A.
LOCATION: SW NW
1970' FNL, 666' FWL
SEC: 10 TWP: 13N RGE: 61E

Final Print

OTHER SERVICES-
DIL
FDC/CNL

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 6064.0 F
LOG MEASURED FROM: KB
15.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 6079.0 F
DF: 6078.0 F
GL: 6064.0 F

PROGRAM TAPE NO: 20.2
SERVICE ORDER NO: 444027

DATE: 13 JUN 86
RUN NO: 1

DEPTH-DRILLER: 2600.0 F
DEPTH-LOGGER: 1790.0 F
BTM. LOG INTERVAL: 1750.0 F
TOP LOG INTERVAL: 925.0 F

CASING-DRILLER: 925.0 F
CASING-LOGGER: 925.0 F
CASING: 8 5/8"
WEIGHT:
BIT SIZE: 7 7/8"
DEPTH: 2600.0 F

TYPE FLUID IN HOLE: WATER
DENSITY:
VISCOSITY:
PH:
FLUID LOSS:
SOURCE OF SAMPLE: MUDTANK
RM: 19.60 OHMM AT 60.0 DEGF
RMF: AT
RMC: AT
SOURCE RMF/RMC:
RM AT BHT: 8.125 OHMM AT 137. DEGF
RMF AT BHT: AT 137. DEGF
RMC AT BHT: AT 137. DEGF

TIME CIRC. STOPPED: 6-13 1730
TIME LOGGER ON BTM.: 6-13 1830

MAX. REC. TEMP: 137.0 DEGF

LOGGING UNIT NO: 8079
LOGGING UNIT LOC: EVANSTON
RECORDED BY: RICHTER
WITNESSED BY: HANSEN/MILLER

REMARKS:

HOLE WAS DRILLED WITH WATER
DUAL INDUCTION WAS RUN IN COMBINATION WITH THE DENSITY NEUTRON
FILE #7 WAS TRIP #1 AND A BOWSPRING WAS USED
FILE #10 WAS TRIP #2 WITH NO BOWSPRING
FILE #2 WAS TRIP #3 WITH NO BOWSPRING
ALL FILES LOGGED ON LIMESTONE MATRIX MDEN=2.71
BOTTOM OF HOLE COULD NOT BE LOGGED DUE TO HOLE CONDITIONS

EQUIPMENT NUMBERS-

IEM 381	DIS 1348	DIC 1415	MLM 611
PGS 666	PDH 540	GSR 6726	SFT 535
CNC 2065	CNB 2619		

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.

CP 20.2 FILE 10 13-JUN-86 20:14
DATA ACQUIRED 13-JUN-86 05:52

EVENT MARK SUMMARY:
OUTPUT INTERVAL BETWEEN PIPS DEPTH TRACK EDGE
IHV 10.0000 F3 LEFT EDGE

TAPE NOT MADE

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 12-JUN-86 23:10
PROGRAM FILE: NEGISN (VERSION 20.2 85/09/16)

DITD ELECTRONICS CALIBRATION SUMMARY

	MEASURED ZERO	MEASURED PLUS	CALIBRATED ZERO	CALIBRATED PLUS	UNITS
ILD	-.92	543.9	0.0	502.7	MMHO
ILM	-1.32	534.6	0.0	508.0	MMHO
SFL	-2.17	539.0	0.0	500.0	MMHO

ILD SONDE ERROR CORRECTION : 5.9 MMHO
ILM SONDE ERROR CORRECTION : 7.1 MMHO

SGTE DETECTOR CALIBRATION SUMMARY

	MEASURED BKGD	MEASURED JIG	CALIBRATED	UNITS
GR	40	198	165	GAPI

CNTA DETECTOR CALIBRATION SUMMARY

	TANK INPUT	TANK CALIBRATED	JIG MEASURED	JIG CALIBRATED
NRAT	2.16900	2.158	2.203	2.192

PGTK DETECTOR CALIBRATION SUMMARY
GAIN COMPUTED FROM SHOP BLOCK COUNTS

	BLOCK INPUT	BLOCK CALIBRATED	JIG MEASURED	JIG CALIBRATED	UNITS
FFDC	467	337	479	345	
NFDC	749	528	681	480	

PGTK CALIPER CALIBRATION SUMMARY

	MEASURED SMALL	MEASURED LARGE	CALIBRATED SMALL	CALIBRATED LARGE	UNITS
CALI	11.05	13.0	8.00	12.0	IN

CP 20.2 FILE 6 12-JUN-86 23:16

AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 13-JUN-86 19:33
PROGRAM FILE: NEGISN (VERSION 20.2 85/09/16)

CNTA TOOL CHECK

	JIG BEFORE	JIG AFTER
NRAT	2.192	2.180

POROSITY CHANGE (LIME): -.000

PGTK TOOL CHECK

	JIG BEFORE	JIG AFTER	UNITS
FFDC	345	340	CPS
NFDC	480	473	CPS

RHOB CHANGE (WATER): .004 G/C3

CP 20.2 FILE 7 13-JUN-86 19:33

SHOP SUMMARY

PERFORMED: 06/06/09
PROGRAM FILE: SHOP (VERSION 26.2 83/11/17)

PGTK DETECTOR CALIBRATION SUMMARY

	BLOCK MEASURED	BLOCK CALIBRATED	JIG MEASURED	JIG CALIBRATED	UNITS
FFDC	467	337	473	340	CPS
NFDC	749	528	679	478	CPS

(PGS:666 , PDH:540 , GSR:6726, SFT :535)

SHOP SUMMARY

PERFORMED: 06/06/09
PROGRAM FILE: SHOP (VERSION 26.2 83/11/17)

CNTA DETECTOR CALIBRATION SUMMARY

	TANK MEASURED	TANK CALIBRATED	JIG MEASURED	JIG CALIBRATED
NRAT	2.169	2.158	2.224	2.213

(CNC:2065, CNB:2619)