

EQUIPMENT & HOLE DATA

FORMATION TESTED: WOLFCAMP

NET PAY (ft): 18.0

GROSS TESTED FOOTAGE: 40.0

ALL DEPTHS MEASURED FROM: KB

CASING PERFS. (ft): _____

HOLE OR CASING SIZE (in): 7.875

ELEVATION (ft): 4151.0 KELLY BUSHING

TOTAL DEPTH (ft): 10058.0

PACKER DEPTH(S) (ft): 10013, 10018

FINAL SURFACE CHOKE (in): 0.25000

BOTTOM HOLE CHOKE (in): 0.750

MUD WEIGHT (lb/gal): 8.70

MUD VISCOSITY (sec): 33

ESTIMATED HOLE TEMP. (°F): _____

ACTUAL HOLE TEMP. (°F): 144 @ 10054.0 ft

TICKET NUMBER: 22196000

DATE: 11-13-85 TEST NO: 3

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:
HOBBS

TESTER: J. BROWN

WITNESS: REGGIE PHILLIPS

DRILLING CONTRACTOR:
MC VAY #4

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>PIT</u>	<u>0.730 @ 70 °F</u>	<u>5000 ppm</u>
<u>SAMPLER</u>	<u>0.080 @ 70 °F</u>	<u>70000 ppm</u>
<u>TOP OF TOOLS</u>	<u>0.750 @ 70 °F</u>	<u>5000 ppm</u>
<u>FIRST CHANGE</u>	<u>0.150 @ 70 °F</u>	<u>30500 ppm</u>
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Pstg AT SURFACE: 370.0
cu.ft. OF GAS: 3.400
cc OF OIL: 1175.0
cc OF WATER: _____
cc OF MUD: 150.0  
TOTAL LIQUID cc: 1325.0

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): 40.5 @ 60 °F
GAS/OIL RATIO (cu.ft. per bbl): 407
GAS GRAVITY: _____

CUSHION DATA

TYPE AMOUNT WEIGHT

RECOVERED:

REVERSED OUT
101' OF DRILLING FLUID
718' OF OIL
(APPROXIMATELY 4.5 BARRELS)

MEASURED FROM
TESTER VALVE

REMARKS:

TOP OF RECOVERY WAS 39.5 API GRAVITY OIL. REPORTED MUD IN THE SAMPLER CHAMBER APPEARS TO BE FORMATION FLUID DUE TO DIFFERENCE IN CHLORIDES.

FLUID PROPERTIES CONTINUED.....

SAMPLER: SPECIFIC GRAVITY = 1.08; PH = 6.2; CA = 5500 PPM; MG = 1650;
SO4 = MODERATE; HCO3 = 660; AND TFE = MODERATE.

RECEIVED

FEB - 3 1986

FBI
COMMUNICATIONS SECTION