

EQUIPMENT & HOLE DATA

FORMATION TESTED: WOLFCAMP

NET PAY (ft): 62.0

GROSS TESTED FOOTAGE: 134.3

ALL DEPTHS MEASURED FROM: KELLY BUSHING

CASING PERFS. (ft): _____

HOLE OR CASING SIZE (in): 7.875

ELEVATION (ft): 3915.0 GROUND LEVEL

TOTAL DEPTH (ft): 11263.0

PACKER DEPTH(S) (ft): 11124, 11129

FINAL SURFACE CHOKE (in): 0.25000

BOTTOM HOLE CHOKE (in): 0.750

MUD WEIGHT (lb/gal): 9.60

MUD VISCOSITY (sec): 47

ESTIMATED HOLE TEMP. (°F): _____

ACTUAL HOLE TEMP. (°F): 160 @ 11259.0 ft

TICKET NUMBER: 22181100

DATE: 9-27-85 TEST NO: 3

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: _____

HOBBS

TESTER: STEVE LUSCOMBE

WITNESS: JUNIOR LEVERETT
GENE DAVIS

DRILLING CONTRACTOR: _____

MCRANCO #7

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
<u>PIT SAMPLE</u>	<u>2.300 @ 65 °F</u>	<u>1500 ppm</u>
<u>TOP FLUID</u>	<u>8.900 @ 65 °F</u>	<u>350 ppm</u>
<u>FLUID CHANGE #1</u>	<u>9.000 @ 65 °F</u>	<u>300 ppm</u>
<u>FLUID CHANGE #2</u>	<u>15.200 @ 65 °F</u>	<u>200 ppm</u>
<u>FLUID CHANGE #3</u>	<u> @ °F</u>	<u>-200 ppm</u>
<u>TOP OF LOGS</u>	<u>5.300 @ 65 °F</u>	<u>550 ppm</u>

SAMPLER DATA

Psig AT SURFACE: 280.0

cu.ft. OF GAS: 2.750

cc OF OIL: 900.0

cc OF WATER: _____

cc OF MUD: _____

TOTAL LIQUID cc: 900.0

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): 37.5 @ 60 °F

GAS/OIL RATIO (cu.ft. per bbl): 485

GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
<u>FRESH H2O (FT.)</u>	<u>1018.0</u>	<u>8.33</u>

RECOVERED:

40' OF OIL
150' OF WATER WITH TRACE OF OIL
84' OF OIL CUT MUD
1000' OF WATER BLANKET

MEASURED FROM
TESTER VALVE

REMARKS:

FLUID CHANGE 3 SAMPLE HAD CHLORIDES OF LESS THAN 200. PPM.
SAMPLER CONTAINED ONLY OIL.

THE PRESSURE BEHAVIOR DURING THE CLOSED IN PERIODS IS HIGHLY IRREGULAR, THIS PRESSURE BEHAVIOR INDICATES THE EXISTENCE OF A PERMEABILITY ANOMALY, AND/OR MULTIPLE ZONE BEHAVIOR. THE NATURE OF THIS PRESSURE BEHAVIOR IS MORE TYPICAL OF MULTIPLE ZONE INFLUENCE. THE REQUESTED CALCULATION SERVICES COULD NOT BE PERFORMED DUE TO LACK OF RELIABLE CIP DATA.

RECEIVED

OCT 23 1985

**O.C.D.
HOBBY OFFICE**