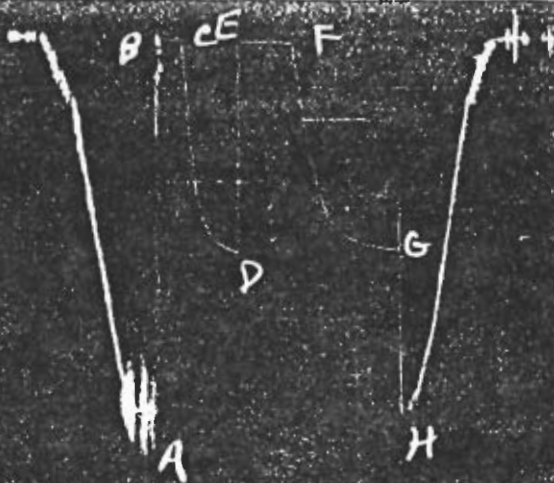




TICKET NO. 95530300  
26-DEC-85  
LIBERAL

FORMATION TESTING SERVICE REPORT

|                     |              |          |        |          |        |                 |                 |                           |
|---------------------|--------------|----------|--------|----------|--------|-----------------|-----------------|---------------------------|
| LEGAL LOCATION      | ORANGE BROWN | WELL NO. | 1      | TEST NO. | 1      | TESTED INTERVAL | 4806.0 - 4829.0 | MOBIL OIL CORPORATION     |
| SEC. - TYP. - RING. | 21-24-34V    |          |        |          |        |                 |                 | LESSEE OWNER/COMPANY NAME |
| FIELD AREA          | WILDCAIT     | COUNTY   | FINNEY | STATE    | KANSAS | IC              |                 |                           |



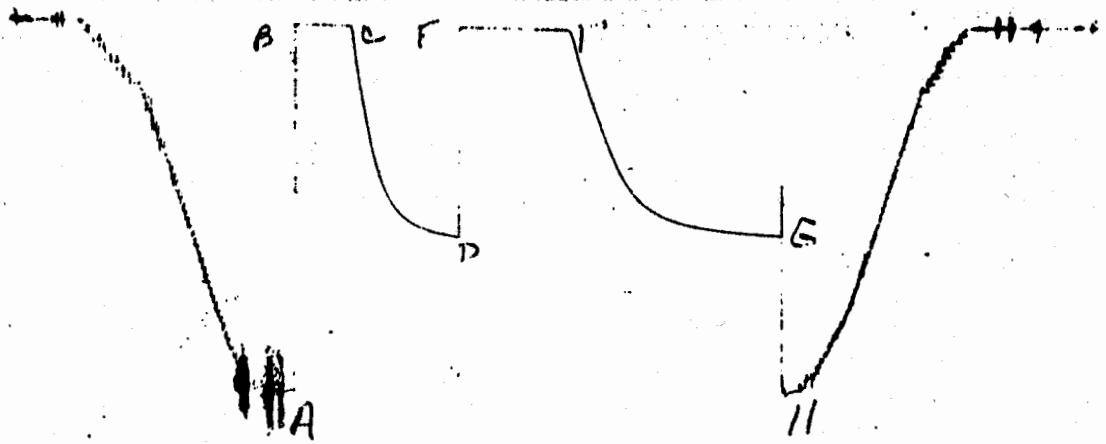
355303 - 7502

58 DEC 12

1# JMO → 18L7

GAUGE NO: 7502 DEPTH: 4781.0 BLANKED OFF: NO HOUR OF CLOCK: 24

| ID | DESCRIPTION              | PRESSURE |            | TIME     |            | TYPE |
|----|--------------------------|----------|------------|----------|------------|------|
|    |                          | REPORTED | CALCULATED | REPORTED | CALCULATED |      |
| A  | INITIAL HYDROSTATIC      | 2233     | 2225.3     |          |            |      |
| B  | INITIAL FIRST FLOW       | 16       | 12.5       |          |            |      |
| C  | FINAL FIRST FLOW         | 16       | 17.0       | 30.0     | 29.6       | F    |
| C  | INITIAL FIRST CLOSED-IN  | 16       | 17.0       |          |            |      |
| D  | FINAL FIRST CLOSED-IN    | 1320     | 1300.9     | 61.0     | 61.9       | C    |
| E  | INITIAL SECOND FLOW      | 24       | 27.2       |          |            |      |
| F  | FINAL SECOND FLOW        | 33       | 31.5       | 60.0     | 60.2       | F    |
| F  | INITIAL SECOND CLOSED-IN | 33       | 31.5       |          |            |      |
| G  | FINAL SECOND CLOSED-IN   | 1304     | 1281.1     | 120.0    | 119.4      | C    |
| H  | FINAL HYDROSTATIC        | 2233     | 2214.8     |          |            |      |

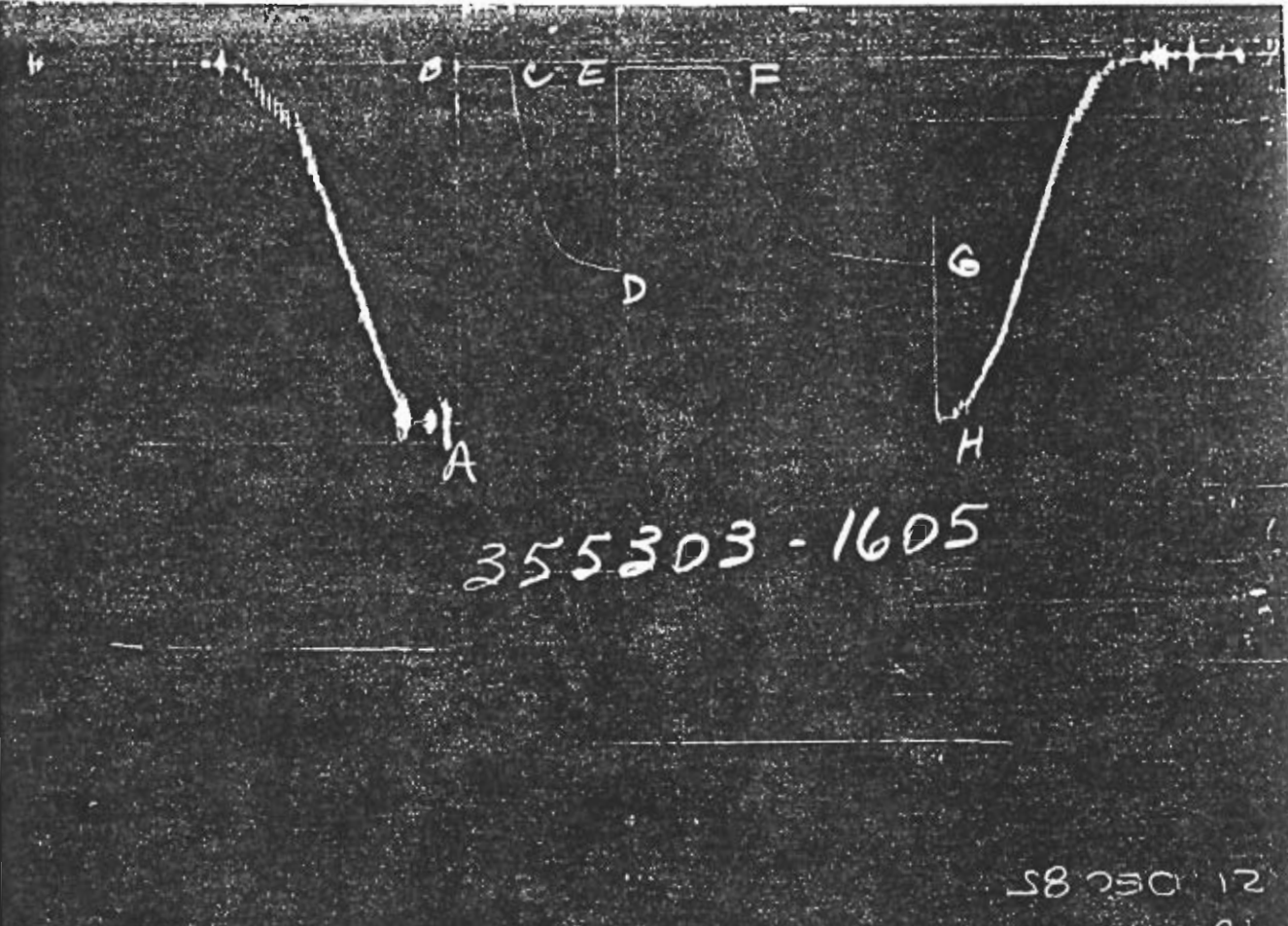


355303 1606

21 DEC 85

GAUGE NO: 1606 DEPTH: 4785.0 BLANKED OFF: NO HOUR OF CLOCK: 12

| ID | DESCRIPTION              | PRESSURE |            | TIME     |            | TYPE |
|----|--------------------------|----------|------------|----------|------------|------|
|    |                          | REPORTED | CALCULATED | REPORTED | CALCULATED |      |
| A  | INITIAL HYDROSTATIC      | 2223     | 2228.1     |          |            |      |
| B  | INITIAL FIRST FLOW       | 16       | 11.8       | 30.0     | 29.6       | F    |
| C  | FINAL FIRST FLOW         | 16       | 19.3       |          |            |      |
| C  | INITIAL FIRST CLOSED-IN  | 16       | 19.3       | 61.0     | 61.9       | C    |
| D  | FINAL FIRST CLOSED-IN    | 1279     | 1300.6     |          |            |      |
| E  | INITIAL SECOND FLOW      | 16       | 33.3       | 60.0     | 60.2       | F    |
| F  | FINAL SECOND FLOW        | 24       | 32.5       |          |            |      |
| F  | INITIAL SECOND CLOSED-IN | 24       | 32.5       | 120.0    | 119.4      | C    |
| G  | FINAL SECOND CLOSED-IN   | 1263     | 1278.7     |          |            |      |
| H  | FINAL HYDROSTATIC        | 2191     | 2209.6     |          |            |      |



355303 - 1605

58 250 12

GAUGE NO: 1605 DEPTH: 4826.0 BLANKED OFF: YES HOUR OF CLOCK: 12

| ID | DESCRIPTION              | PRESSURE |            | TIME     |            | TYPE |
|----|--------------------------|----------|------------|----------|------------|------|
|    |                          | REPORTED | CALCULATED | REPORTED | CALCULATED |      |
| A  | INITIAL HYDROSTATIC      | 2255     | 2248.0     |          |            |      |
| B  | INITIAL FIRST FLOW       | 16       | 34.0       |          |            |      |
| C  | FINAL FIRST FLOW         | 16       | 37.2       | 30.0     | 29.6       | F    |
| C  | INITIAL FIRST CLOSED-IN  | 16       | 37.2       |          |            |      |
| D  | FINAL FIRST CLOSED-IN    | 1352     | 1326.7     | 61.0     | 61.9       | C    |
| E  | INITIAL SECOND FLOW      | 16       | 50.7       |          |            |      |
| F  | FINAL SECOND FLOW        | 16       | 51.0       | 60.0     | 60.2       | F    |
| F  | INITIAL SECOND CLOSED-IN | 16       | 51.0       |          |            |      |
| G  | FINAL SECOND CLOSED-IN   | 1352     | 1306.4     | 120.0    | 119.4      | C    |
| H  | FINAL HYDROSTATIC        | 2223     | 2236.3     |          |            |      |

# EQUIPMENT & HOLE DATA

FORMATION TESTED: MORROW  
 NET PAY (ft): \_\_\_\_\_  
 GROSS TESTED FOOTAGE: 23.0  
 ALL DEPTHS MEASURED FROM: KELLY BUSHING  
 CASING PERFS. (ft): \_\_\_\_\_  
 HOLE OR CASING SIZE (in): 7.875  
 ELEVATION (ft): \_\_\_\_\_  
 TOTAL DEPTH (ft): 4829.0  
 PACKER DEPTH(S) (ft): 4800, 4806  
 FINAL SURFACE CHOKE (in): \_\_\_\_\_  
 BOTTOM HOLE CHOKE (in): 0.750  
 MUD WEIGHT (lb/gal): 9.00  
 MUD VISCOSITY (sec): 45  
 ESTIMATED HOLE TEMP. (°F): 105  
 ACTUAL HOLE TEMP. (°F): 105 @ 4825.0 ft

TICKET NUMBER: 35530300  
 DATE: 12-21-85 TEST NO: 1  
 TYPE DST: OPEN HOLE  
 HALLIBURTON CAMP: LIBERAL  
 TESTER: MYRON E. HESTON  
 WITNESS: JEFF NELSON  
 DRILLING CONTRACTOR: UNIT DRILLING RIG #2

## FLUID PROPERTIES FOR RECOVERED MUD & WATER

| SOURCE  | RESISTIVITY         | CHLORIDES       |
|---------|---------------------|-----------------|
| PIT     | <u>2.480 @ 61°F</u> | <u>1504 ppm</u> |
| TOP     | <u>1.740 @ 61°F</u> | <u>3509 ppm</u> |
| SAMPLER | <u>2.060 @ 59°F</u> | <u>2507 ppm</u> |
| _____   | _____ °F            | _____ ppm       |
| _____   | _____ °F            | _____ ppm       |
| _____   | _____ °F            | _____ ppm       |

## SAMPLER DATA

Psig AT SURFACE: 15.0  
 cu.ft. OF GAS: \_\_\_\_\_  
 cc OF OIL: \_\_\_\_\_  
 cc OF WATER: \_\_\_\_\_  
 cc OF MUD: 2240.0  
 TOTAL LIQUID cc: 2240.0

## HYDROCARBON PROPERTIES

OIL GRAVITY (°API): \_\_\_\_\_ @ \_\_\_\_\_°F  
 GAS/OIL RATIO (cu.ft. per bbl): \_\_\_\_\_  
 GAS GRAVITY: \_\_\_\_\_

## CUSHION DATA

| TYPE  | AMOUNT | WEIGHT |
|-------|--------|--------|
| _____ | _____  | _____  |
| _____ | _____  | _____  |

## RECOVERED:

35 FEET OF DRILLING MUD

MEASURED FROM  
TESTER VALVE

## REMARKS:

