

**WESTERN TESTING CO., INC.**

P O BOX 1599 - WICHITA, KANSAS 67201

WELL REPORT NO

14936

UNIT NO

DISTRICT

DATE 6/15/81

McCoy Petroleum Corporation
One Main Place, Suite 410
Wichita, Kansas 67202

FOR CUSTOMER'S USE ONLY

REGISTER NO

VOUCHER NO

TERMS APPROVED

PRICE APPROVED

CALCULATIONS CHECKED

ADJUSTMENTS

ACCOUNTING DISTRIBUTION

AUDITED

FINAL APPROVAL

YOUR ORDER NO

OWNER

CONTRACTOR

WELL NO

FARM

COUNTY

SECTION

TWP

RANGE

#1

Lattimore "B"

Kingman County, Ks.

20

30S

9W

One drill stem test from 4324' to 4342'

(Test 1)

\$ 700.00

Mileage: Forty miles @ .75¢ permile

30.00

\$ 730.00**POSTED**

DISCOUNT

7.30

1% DISCOUNT ALLOWED ON THIS INVOICE IF PAID
BY THE 20TH OF THE FOLLOWING MONTH.PLEASE INCLUDE OUR INVOICE NUMBER
WITH YOUR REMITTANCE

INVOICE NUMBER

14936

SEND ALL REMITTANCES TO POST OFFICE BOX 1599, WICHITA, KANSAS 67201



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 14936

P. O. BOX 1599 PHONE (316) 262-5861 WICHITA, KANSAS 67201

Elevation _____ Formation Miss Eff. Pay _____ Ft.

District Pratt Date 6-15-81 Customer Order No. _____

COMPANY NAME Mc Coy Petroleum Corporation

ADDRESS one main place Suite 400, Wichita 67202

LEASE AND WELL NO. Lattimore B-1 COUNTY Kingman STATE KANSAS Sec. 20 Twp 30 Rge 9W

Mail Invoice To SAME Co. Name _____ Address _____ No. Copies Requested 5

Mail Charts To SAME Co. Name _____ Address _____ No. Copies Requested 5

Formation Test No. 1 Interval Tested from 4324 ft. to 4342 ft. Total Depth 4342 ft.

Packer Depth 4319 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4324 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4328 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4331 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Sweetman Drilling Drill Collar Length 280 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 48 Weight Pipe Length _____ I. D. _____ in.

Weight 9.3 Water Loss 10.2 cc. Drill Pipe Length 4024 I. D. 3.8 in.

Chlorides NC P.P.M. Test Tool Length 20 ft. Tool Size 5300 in.

Jars: Make NO Serial Number _____ Anchor Length 18 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow through ank test - goes to surface 1 min

See flow charts attached chart for gas measurements

Recovered 50 ft. of slightly oil & gas cut mud

Recovered 185 ft. of med to heavy gas oil cut mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

clock stopped on ank side recorder

Time On Location 2:15 ^{A.M.}/_{P.M.} Time Pick Up Tool 9:30 ^{A.M.}/_{P.M.} Time Off Location _____ ^{A.M.}/_{P.M.}

Time Set Packer(s) 11:15 ^{A.M.}/_{P.M.} Time Started Off Bottom 2:30 ^{A.M.}/_{P.M.} Maximum Temperature 127°F

Initial Hydrostatic Pressure _____ (A) 2188 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 154 P.S.I. to (C) 104 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1060 P.S.I.

Final Flow Period _____ Minutes 60 (E) 187 P.S.I. to (F) 93 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 883 P.S.I.

Final Hydrostatic Pressure _____ (H) 2135 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Robert E. Mc Coy Signature of Customer or his authorized representative

Western Representative Earl Wash Jr. Thank you

FIELD INVOICE

| | |
|----------------|-------------------|
| Open Hole Test | \$ <u>700.00</u> |
| Misrun | \$ _____ |
| Straddle Test | \$ _____ |
| Jars | \$ _____ |
| Selective Zone | \$ _____ |
| Safety Joint | \$ _____ |
| Standby | \$ _____ |
| Evaluation | \$ _____ |
| Extra Packer | \$ _____ |
| Circ. Sub. | \$ _____ |
| Mileage | \$ <u>4030.00</u> |
| Fluid Sampler | \$ _____ |
| Extra Charts | \$ _____ |
| Insurance | \$ _____ |
| TOTAL | \$ <u>730.00</u> |



GAS FLOW REPORT

Nº 2043

Date 6-15-81 Ticket 14936 Company McCoy Petroleum Corp
 Well Name and No. LATIMORE B-1 Dst No. 1 Interval Tested 4324-4342
 County KINGMAN State KANSAS Sec. 20 Twp. 30S Rg. 9W

| Time Gauge in Min. | P.S.I. on Merla Orifice Well Tester | Size of Orifice | P.S.I. on Pitot Tester | P.S.I. on Side Static Tester | Description of Flow |
|--------------------|-------------------------------------|-----------------|------------------------|------------------------------|---------------------|
|--------------------|-------------------------------------|-----------------|------------------------|------------------------------|---------------------|

PRE FLOW

| Time Gauge in Min. | P.S.I. on Merla Orifice Well Tester | Size of Orifice | P.S.I. on Pitot Tester | P.S.I. on Side Static Tester | Description of Flow |
|--------------------|-------------------------------------|-----------------|------------------------|------------------------------|-----------------------------|
| 10 10 | 34 psig | 3/4 orifice | | | gas to surface 569,000 CFPD |
| 20 | 27 | ✓ | ✓ | | 487,000 ✓ |
| 30 | 23 | ✓ | ✓ | | 436,000 ✓ |

SECOND FLOW

| | | | | | |
|----|---------|-------------|---|--|--------------|
| 10 | 30 psig | 3/4 orifice | | | 522,000 CFPD |
| 20 | 20 | ✓ | ✓ | | 398,000 ✓ |
| 30 | 15 | ✓ | ✓ | | 331,000 ✓ |
| 40 | 12 | ✓ | ✓ | | 288,000 ✓ |
| 50 | 10 | ✓ | ✓ | | 259,000 ✓ |
| 60 | 8 | ✓ | ✓ | | 227,000 ✓ |

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME

McCoy Petroleum

Authorized by

Robert E. McCann

WESTERN TESTING CO., INC.

Pressure Data

Date 6-15

Test Ticket No. 14936

Recorder No. 2606

Capacity 4150

Location 4328 Ft.

Clock No. _____ Elevation _____

Well Temperature 127 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud | <u>2188</u> P.S.I. | Open Tool | <u>11:15 A</u> | <u>M</u> |
| B First Initial Flow Pressure | <u>183</u> P.S.I. | First Flow Pressure | <u>30</u> Mins. | <u>25</u> Mins. |
| C First Final Flow Pressure | <u>125</u> P.S.I. | Initial Closed-in Pressure | <u>45</u> Mins. | <u>45</u> Mins. |
| D Initial Closed-in Pressure | <u>1061</u> P.S.I. | Second Flow Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| E Second Initial Flow Pressure | <u>187</u> P.S.I. | Final Closed-in Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| F Second Final Flow Pressure | <u>94</u> P.S.I. | | | |
| G Final Closed-in Pressure | <u>890</u> P.S.I. | | | |
| H Final Hydrostatic Mud | <u>2135</u> P.S.I. | | | |

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 5 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

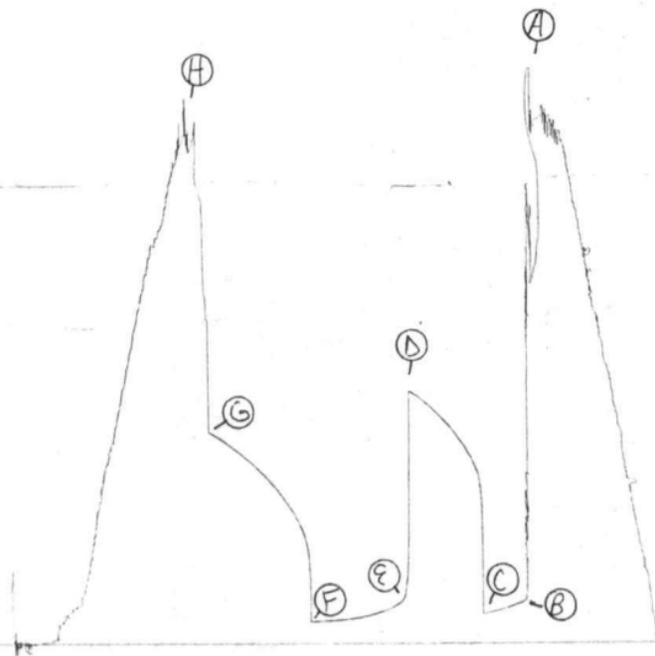
Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|-------------|------------|---------------|-------------|---------------|------------|---------------|------------|
| P 1 0 | <u>183</u> | 0 | <u>125</u> | 0 | <u>187</u> | 0 | <u>94</u> |
| P 2 5 | <u>168</u> | 3 | <u>697</u> | 5 | <u>172</u> | 3 | <u>441</u> |
| P 3 10 | <u>155</u> | 6 | <u>759</u> | 10 | <u>151</u> | 6 | <u>498</u> |
| P 4 15 | <u>144</u> | 9 | <u>798</u> | 15 | <u>137</u> | 9 | <u>539</u> |
| P 5 20 | <u>134</u> | 12 | <u>838</u> | 20 | <u>126</u> | 12 | <u>575</u> |
| P 6 25 | <u>125</u> | 15 | <u>865</u> | 25 | <u>116</u> | 15 | <u>601</u> |
| P 7 30 | | 18 | <u>891</u> | 30 | <u>109</u> | 18 | <u>632</u> |
| P 8 35 | | 21 | <u>921</u> | 35 | <u>104</u> | 21 | <u>659</u> |
| P 9 40 | | 24 | <u>940</u> | 40 | <u>100</u> | 24 | <u>682</u> |
| P10 45 | | 27 | <u>960</u> | 45 | <u>97</u> | 27 | <u>707</u> |
| P11 50 | | 30 | <u>981</u> | 50 | <u>96</u> | 30 | <u>726</u> |
| P12 55 | | 33 | <u>1002</u> | 55 | <u>95</u> | 33 | <u>746</u> |
| P13 60 | | 36 | <u>1019</u> | 60 | <u>94</u> | 36 | <u>767</u> |
| P14 | | 39 | <u>1038</u> | 65 | | 39 | <u>787</u> |
| P15 | | 42 | <u>1052</u> | 70 | | 42 | <u>804</u> |
| P16 | | 45 | <u>1061</u> | 75 | | 45 | <u>819</u> |
| P17 | | 48 | | 80 | | 48 | <u>834</u> |
| P18 | | 51 | | 85 | | 51 | <u>850</u> |
| P19 | | 54 | | 90 | | 54 | <u>863</u> |
| P20 | | 57 | | | | 57 | <u>875</u> |
| | | 60 | | | | 60 | <u>890</u> |

2606 DSI # 1

TKT # 14936
I



Company McCoy Petroleum Corporation Lease & Well No. Lattimore "B" #1
 Elevation --- Formation Mississippi Effective Pay - Ft. Ticket No. 14936
 Date 6/15/81 Sec. 20 Twp. 30S Range 9W County Kingman State Kansas
 Test Approved by Robert E. McCann Western Representative Rod Tritt - Earl West, Jr.

Formation Test No. 1 Interval Tested from 4324 ft. to 4342 ft. Total Depth 4342 ft.
 Packer Depth 4319 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4324 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4328 ft. Recorder Number 2606 Cap. 4150
 Bottom Recorder Depth (Outside) 4331 ft. Recorder Number 4332 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drilling Drill Collar Length 280 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 10.2 cc. Drill Pipe Length 4024 I. D. 3.8 in.
 Chlorides N/C P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 18 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong blow throughout test. Gas to surface one minute. See attached sheet for gas measurements.

Recovered 50 ft. of slightly oil and gas cut mud
 Recovered 185 ft. of medium to heavy gas and oil cut mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: Clock stopped on outside recorder

Time Set Packer(s) 11:15 A.M. Time Started Off Bottom 2:30 P.M. Maximum Temperature 127°
 Initial Hydrostatic Pressure (A) 2188 P.S.I.
 Initial Flow Period Minutes 25 (B) 183 P.S.I. to (C) 125 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1061 P.S.I.
 Final Flow Period Minutes 60 (E) 187 P.S.I. to (F) 94 P.S.I.
 Final Closed In Period Minutes 60 (G) 890 P.S.I.
 Final Hydrostatic Pressure (H) 2135 P.S.I.

GAS FLOW REPORT

Date 6/15/81 Ticket 14936 Company McCoy Petroleum Corporation
 Well Name and No. Lattimore "B" #1 Dst No. 1 Interval Tested 4324' - 4342'
 County Kingman State Kansas Sec. 20 Twp. 30s Rg. 9W

| Time Gauge Pre-Flow | Time Gauge in Min. | P.S.I. on Merla Orifice Well Tester | P.S.I. on Pitot Tester | P.S.I. on Side Static Tester | P.S.I. on U-Tube Tester | Description of Flow |
|---------------------|--------------------|-------------------------------------|------------------------|------------------------------|-------------------------|---------------------|
| PRE FLOW | | | | | | |
| | One minute | | | | | Gas to surface |
| | 10 min. | 34 PSIG | 3/4" orifice | | | 569,000 CFPD |
| | 20 min. | 27 PSIG | 3/4" orifice | | | 487,000 CFPD |
| | 30 min. | 23 PSIG | 3/4" orifice | | | 436,000 CFPD |

| SECOND FLOW | | | | | | |
|--------------------|---------|---------|--------------|--|--|--------------|
| | 10 min. | 30 PSIG | 3/4" orifice | | | 522,000 CFPD |
| | 20 min. | 20 PSIG | 3/4" orifice | | | 398,000 CFPD |
| | 30 min. | 15 PSIG | 3/4" orifice | | | 331,000 CFPD |
| | 40 min. | 12 PSIG | 3/4" orifice | | | 288,000 CFPD |
| | 50 min. | 10 PSIG | 3/4" orifice | | | 259,000 CFPD |
| | 60 min. | 8 PSIG | 3/4" orifice | | | 227,000 CFPD |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

GAS BOTTLE

Serial No. --- Date Bottle Filled -- Date to be Invoiced 6/15/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME McCoy Petroleum Corporation
 Authorized by Robert E. McCann

WESTERN TESTING CO., INC.

Pressure Data

Date 6/15/81 Recorder No. 2606 Capacity 4150 Test Ticket No. 14936
 Location 4328 Ft. Elevation - Well Temperature 127 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|----------|--------|------------|----------------|
| A Initial Hydrostatic Mud | 2188 | P.S.I. | 11:15A | M |
| B First Initial Flow Pressure | 183 | P.S.I. | 30 | Mins. 25 Mins. |
| C First Final Flow Pressure | 125 | P.S.I. | 45 | Mins. 45 Mins. |
| D Initial Closed-in Pressure | 1061 | P.S.I. | 60 | Mins. 60 Mins. |
| E Second Initial Flow Pressure | 187 | P.S.I. | 60 | Mins. 60 Mins. |
| F Second Final Flow Pressure | 94 | P.S.I. | | |
| G Final Closed-in Pressure | 890 | P.S.I. | | |
| H Final Hydrostatic Mud | 2135 | P.S.I. | | |

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 5 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|-------------|--------|---------------|--------|---------------|--------|---------------|--------|
| P 1 0 | 183 | 0 | 125 | 0 | 187 | 0 | 94 |
| P 2 5 | 168 | 3 | 697 | 5 | 172 | 3 | 441 |
| P 3 10 | 155 | 6 | 759 | 10 | 151 | 6 | 498 |
| P 4 15 | 144 | 9 | 798 | 15 | 137 | 9 | 539 |
| P 5 20 | 134 | 12 | 838 | 20 | 126 | 12 | 575 |
| P 6 25 | 125 | 15 | 865 | 25 | 116 | 15 | 601 |
| P 7 | | 18 | 891 | 30 | 109 | 18 | 632 |
| P 8 | | 21 | 921 | 35 | 104 | 21 | 659 |
| P 9 | | 24 | 940 | 40 | 100 | 24 | 682 |
| P10 | | 27 | 960 | 45 | 97 | 27 | 707 |
| P11 | | 30 | 981 | 50 | 96 | 30 | 726 |
| P12 | | 33 | 1002 | 55 | 95 | 33 | 746 |
| P13 | | 36 | 1019 | 60 | 94 | 36 | 767 |
| P14 | | 39 | 1038 | | | 39 | 787 |
| P15 | | 42 | 1052 | | | 42 | 804 |
| P16 | | 45 | 1061 | | | 45 | 819 |
| P17 | | | | | | 48 | 834 |
| P18 | | | | | | 51 | 850 |
| P19 | | | | | | 54 | 863 |
| P20 | | | | | | 57 | 875 |
| | | | | | | 60 | 890 |



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 14937

P. O. BOX 1599 PHONE (316) 262-5861 WICHITA, KANSAS 67201

Elevation 1690 KB Formation Miss Eff. Pay Ft.

District PEATT Date 6-14-81 Customer Order No.

COMPANY NAME Mc Coy Petroleum Corporation

ADDRESS One Main Place Suite 410 Wichita 67202

LEASE AND WELL NO. Lattimore B-1 COUNTY Kingman STATE Kans Sec. 20 Twp 30S Rge 9W

Mail Invoice To Lattimore B#1 SAME No. Copies Requested 5

Mail Charts To SAME No. Copies Requested 5

Formation Test No. 2 Interval Tested from 4342 ft. to 4352 ft. Total Depth 4352 ft.

Packer Depth 4337 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 4342 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4344 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4347 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth — ft. Recorder Number — Cap. —

Drilling Contractor Sweetman Drill Collar Length 280 I. D. 2 1/4 in.

Mud Type starch Viscosity 48 Weight Pipe Length — I. D. — in.

Weight 9.3 Water Loss 10.2 cc. Drill Pipe Length 4042 I. D. 3.8 in.

Chlorides NC P.P.M. Test Tool Length 20 ft. Tool Size 5 3/8 in.

Jars: Make NO Serial Number — Anchor Length 10 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow gas to surface 23 minutes see flow chart

Attached sheet for gas measurements.

Recovered 160 ft. of Progsy oil

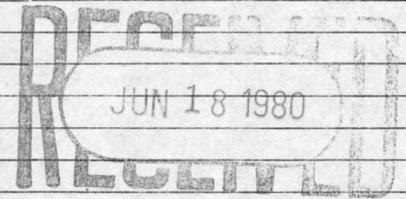
Recovered 170 ft. of gassy oil

Recovered 70 ft. of water

Recovered — ft. of

Recovered — ft. of

Remarks:



Time On Location 6:00 A.M. Time Pick Up Tool 10:45 P.M. Time Off Location — A.M.

Time Set Packer(s) 12:05 A.M. Time Started Off Bottom 4:35 P.M. Maximum Temperature 128° F

Initial Hydrostatic Pressure (A) 2292 P.S.I.

Initial Flow Period Minutes 30 (B) 104 P.S.I. to (C) 83 P.S.I.

Initial Closed In Period Minutes 60 (D) 1381 P.S.I.

Final Flow Period Minutes 90 (E) 124 P.S.I. to (F) 145 P.S.I.

Final Closed In Period Minutes 90 (G) 1329 P.S.I.

Final Hydrostatic Pressure (H) 2135 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Robert E. McCann Signature of Customer or his authorized representative

Western Representative Paul Witt Thank you Earl West Jr.

FIELD INVOICE

Open Hole Test \$ 700.00
Miscellaneous \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$ 40.30
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 730.00



GAS FLOW REPORT

Nº 2044

Date 6-16-81 Ticket 14937 Company McCoy Petroleum Corp
 Well Name and No. Lattimore B-1 Dst No. 2 Interval Tested 4342-4345
 County Kingman State KANSAS Sec. 20 Twp. 30 Rg. 9W

| Time Gauge in Min. | P.S.I. on Merla Orifice Well Tester | Size of Orifice | P.S.I. on Pitot Tester | P.S.I. on Side Static Tester | Description of Flow |
|--------------------|-------------------------------------|-----------------|------------------------|------------------------------|---------------------|
|--------------------|-------------------------------------|-----------------|------------------------|------------------------------|---------------------|

PRE FLOW

| | | | | | |
|----|--------|-------------|--|--|----------------|
| 23 | | | | | gas to surface |
| 30 | 1 psig | 1/4 orifice | | | 8,950 cfpd |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

SECOND FLOW

| | | | | | |
|----|-----|--------------|--|--|-------------|
| 10 | 2.5 | 1/4" orifice | | | 14,300 cfpd |
| 20 | 2.5 | | | | 14,300 |
| 30 | 2 | | | | 12,700 |
| 40 | 2 | | | | 12,700 |
| 50 | 2 | | | | 12,700 |
| 60 | 2 | | | | 12,700 |
| 70 | 1.5 | | | | 11,020 |
| 80 | 1.5 | | | | 11,020 |
| 90 | 1.5 | | | | 11,020 |
| | | | | | |
| | | | | | |
| | | | | | |

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date: 6-16 Test Ticket No. 14937
 Recorder No. 2606 Capacity 4150 Location 4344 Ft.
 Clock No. _____ Elevation 1690 KB Well Temperature 128 °F

| Point | Pressure | Time Given | Time Computed |
|--------------------------------|--------------------|------------------|-----------------|
| A Initial Hydrostatic Mud | <u>2286</u> P.S.I. | <u>12:05 A</u> M | |
| B First Initial Flow Pressure | <u>75</u> P.S.I. | <u>30</u> Mins. | <u>25</u> Mins. |
| C First Final Flow Pressure | <u>75</u> P.S.I. | <u>60</u> Mins. | <u>60</u> Mins. |
| D Initial Closed-in Pressure | <u>1384</u> P.S.I. | <u>90</u> Mins. | <u>90</u> Mins. |
| E Second Initial Flow Pressure | <u>112</u> P.S.I. | <u>90</u> Mins. | <u>90</u> Mins. |
| F Second Final Flow Pressure | <u>150</u> P.S.I. | | |
| G Final Closed-in Pressure | <u>1325</u> P.S.I. | | |
| H Final Hydrostatic Mud | <u>2135</u> P.S.I. | | |

PRESSURE BREAKDOWN

| | | | |
|--|---|--|---|
| First Flow Pressure Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min. | Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. | Second Flow Pressure Breakdown: <u>18</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min. | Final Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. |
|--|---|--|---|

| Point Mins. | First Flow Pressure | | Initial Shut-In | | Second Flow Pressure | | Final Shut-In | |
|-------------|---------------------|---------------|-----------------|-------------|----------------------|------------|---------------|-------------|
| | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 | 0 | <u>75</u> | 0 | <u>75</u> | 0 | <u>112</u> | 0 | <u>150</u> |
| P 2 | 5 | | 3 | <u>485</u> | 5 | | 3 | <u>588</u> |
| P 3 | 10 | | 6 | <u>794</u> | 10 | | 6 | <u>840</u> |
| P 4 | 15 | | 9 | <u>969</u> | 15 | | 9 | <u>973</u> |
| P 5 | 20 | | 12 | <u>1081</u> | 20 | | 12 | <u>1036</u> |
| P 6 | 25 | <u>75</u> | 15 | <u>1151</u> | 25 | | 15 | <u>1089</u> |
| P 7 | 30 | 75 | 18 | <u>1201</u> | 30 | | 18 | <u>1126</u> |
| P 8 | 35 | | 21 | <u>1238</u> | 35 | <u>112</u> | 21 | <u>1151</u> |
| P 9 | 40 | | 24 | <u>1262</u> | 40 | <u>119</u> | 24 | <u>1172</u> |
| P 10 | 45 | | 27 | <u>1282</u> | 45 | <u>121</u> | 27 | <u>1194</u> |
| P 11 | 50 | | 30 | <u>1298</u> | 50 | <u>124</u> | 30 | <u>1208</u> |
| P 12 | 55 | | 33 | <u>1315</u> | 55 | <u>128</u> | 33 | <u>1221</u> |
| P 13 | 60 | | 36 | <u>1327</u> | 60 | <u>131</u> | 36 | <u>1233</u> |
| P 14 | | | 39 | <u>1337</u> | 65 | <u>135</u> | 39 | <u>1242</u> |
| P 15 | | | 42 | <u>1346</u> | 70 | <u>138</u> | 42 | <u>1252</u> |
| P 16 | | | 45 | <u>1355</u> | 75 | <u>141</u> | 45 | <u>1261</u> |
| P 17 | | | 48 | <u>1363</u> | 80 | <u>144</u> | 48 | <u>1267</u> |
| P 18 | | | 51 | <u>1369</u> | 85 | <u>147</u> | 51 | <u>1273</u> |
| P 19 | | | 54 | <u>1375</u> | 90 | <u>150</u> | 54 | <u>1280</u> |
| P 20 | | | 57 | <u>1380</u> | | | 57 | <u>1286</u> |
| | | | 60 | <u>1384</u> | | | 60 | <u>1292</u> |

cont

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 14937

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

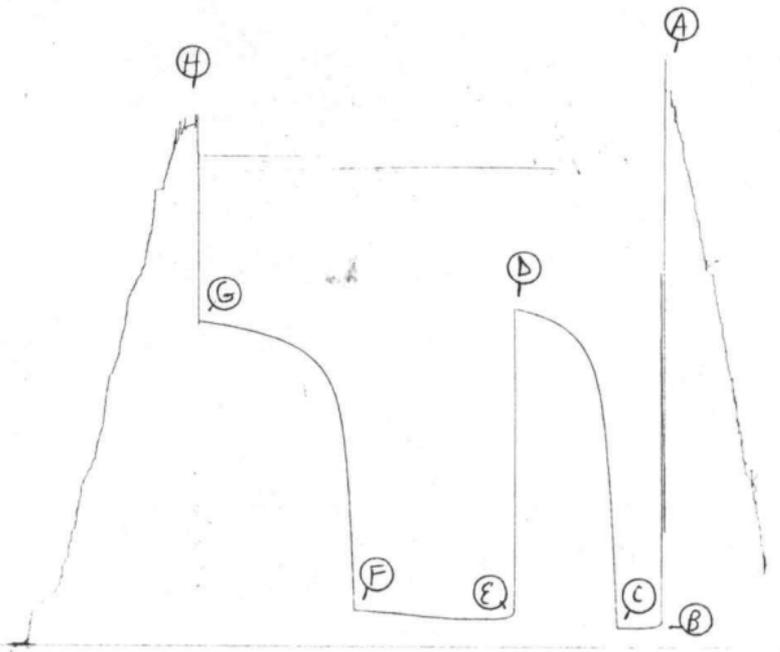
| Point | Pressure | | Time Given | Time Computed |
|--------------------------------------|----------|----------------------------|-------------|---------------|
| A Initial Hydrostatic Mud _____ | P.S.I. | Open Tool | _____ M | _____ |
| B First Initial Flow Pressure _____ | P.S.I. | First Flow Pressure | _____ Mins. | _____ Mins. |
| C First Final Flow Pressure _____ | P.S.I. | Initial Closed-in Pressure | _____ Mins. | _____ Mins. |
| D Initial Closed-in Pressure _____ | P.S.I. | Second Flow Pressure | _____ Mins. | _____ Mins. |
| E Second Initial Flow Pressure _____ | P.S.I. | Final Closed-in Pressure | _____ Mins. | _____ Mins. |
| F Second Final Flow Pressure _____ | P.S.I. | | | |
| G Final Closed-in Pressure _____ | P.S.I. | | | |
| H Final Hydrostatic Mud _____ | P.S.I. | | | |

PRESSURE BREAKDOWN

| Point Mins. | First Flow Pressure | Initial Shut-In | Second Flow Pressure | Final Shut-In | |
|-------------|---|---|---|---|--------|
| | Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min. | Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. | Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min. | Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min. | |
| | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 | _____ | 63 | _____ | 63 | 1296 |
| P 2 | _____ | 66 | _____ | 66 | 1300 |
| P 3 | _____ | 69 | _____ | 69 | 1304 |
| P 4 | _____ | 72 | _____ | 72 | 1307 |
| P 5 | _____ | 75 | _____ | 75 | 1310 |
| P 6 | _____ | 78 | _____ | 78 | 1314 |
| P 7 | _____ | 81 | _____ | 81 | 1318 |
| P 8 | _____ | 84 | _____ | 84 | 1322 |
| P 9 | _____ | 87 | _____ | 87 | 1324 |
| P10 | _____ | 90 | _____ | 90 | 1325 |
| P11 | _____ | 93 | _____ | 93 | |
| P12 | _____ | 96 | _____ | 96 | |
| P13 | _____ | 99 | _____ | 99 | |
| P14 | _____ | 102 | _____ | 102 | |
| P15 | _____ | 105 | _____ | 105 | |
| P16 | _____ | 108 | _____ | 108 | |
| P17 | _____ | 111 | _____ | 111 | |
| P18 | _____ | 114 | _____ | 114 | |
| P19 | _____ | 117 | _____ | 117 | |
| P20 | _____ | 120 | _____ | 120 | |

TKT # 14937.

IT



Company McCoy Petroleum Corporation Lease & Well No. Lattimore 'B' #1
 Elevation 1690 Kelly Bushing Mississippi Formation Mississippi Effective Pay - Ft. Ticket No. 14937
 Date 6/16/81 20 30S Range 9W County Kingman State Kansas
 Test Approved by Robert E. McCann Western Representative Rod Tritt-Earl West, Jr.

Formation Test No. 2 Interval Tested from 4342 ft. to 4352 ft. Total Depth 4352 ft.
 Packer Depth 4337 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4342 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4344 ft. Recorder Number 2606 Cap. 4150
 Bottom Recorder Depth (Outside) 4347 ft. Recorder Number 4332 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Sweetman Drlg. Drill Collar Length 280 I. D. 2 1/4 in.
 Mud Type starch Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 10.2 cc. Drill Pipe Length 4042 I. D. 3.8 in.
 Chlorides N/C P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make No Serial Number - Anchor Length 10 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow ; gas to surface twenty-three minutes. See attached sheet for gas measurements.

Recovered 160 ft. of froggy oil
 Recovered 170 ft. of gassy oil
 Recovered 70 ft. of water
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 12:05 A.M. P.M. Time Started Off Bottom 4:35 A.M. P.M. Maximum Temperature 128°
 Initial Hydrostatic Pressure (A) 2286 P.S.I.
 Initial Flow Period Minutes 25 (B) 75 P.S.I. to (C) 75 P.S.I.
 Initial Closed In Period Minutes 60 (D) 1384 P.S.I.
 Final Flow Period Minutes 90 (E) 112 P.S.I. to (F) 150 P.S.I.
 Final Closed In Period Minutes 90 (G) 1325 P.S.I.
 Final Hydrostatic Pressure (H) 2135 P.S.I.

GAS FLOW REPORT

Date 6/16/81 Ticket 14937 Company McCoy Petroleum Corporation
 Well Name and No. Lattimore "B" #1 Dst No. 2 Interval Tested 4342' - 4345'
 County Kingman State Kansas Sec. 20 Twp. 30s Rg. 9W

| Time Gauge Pre-Flow | Time Gauge in Min. | P.S.I. on Meria Orifice Well Tester | P.S.I. on Pitot Tester | P.S.I. on Side Static Tester | P.S.I. on U-Tube Tester | Description of Flow |
|---------------------|--------------------|-------------------------------------|------------------------|------------------------------|-------------------------|---------------------|
| PRE FLOW | | | | | | |
| | 23 min. | | | | | Gas to surface |
| | 30 min. | 1 PSIG | 1/4" orifice | | | 8,950 CFPD |
| | | | | | | |
| | | | | | | |

| SECOND FLOW | | | | | | |
|--------------------|---------|----------|--------------|--|--|-------------|
| | 10 min. | 2.5 PSIG | 1/4" orifice | | | 14,300 CFPD |
| | 20 min. | 2.5 PSIG | 1/4" orifice | | | 14,300 CFPD |
| | 30 min. | 2 PSIG | 1/4" orifice | | | 12,700 CFPD |
| | 40 min. | 2 PSIG | 1/4" orifice | | | 12,700 CFPD |
| | 50 min. | 2 PSIG | 1/4" orifice | | | 12,700 CFPD |
| | 60 min. | 2 PSIG | 1/4" orifice | | | 12,700 CFPD |
| | 70 min. | 1.5 PSIG | 1/4" orifice | | | 11,020 CFPD |
| | 80 min. | 1.5 PSIG | 1/4" orifice | | | 11,020 CFPD |
| | 90 min. | 1.5 PSIG | 1/4" orifice | | | 11,020 CFPD |
| | | | | | | |
| | | | | | | |

GAS BOTTLE

Serial No. ---- Date Bottle Filled - Date to be Invoiced 6/16/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME McCoy Petroleum Corporation
 Authorized by Robert E. McCann

WESTERN TESTING CO., INC.
Pressure Data

Date 6/16/81 Test Ticket No. 14937
 Recorder No. 2606 Capacity 4150 Location 4344 Ft.
 Clock No. - Elevation 1690 Kelly Bushing Well Temperature 128 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud | <u>2286</u> P.S.I. | Open Tool | <u>12:05A</u> M | |
| B First Initial Flow Pressure | <u>75</u> P.S.I. | First Flow Pressure | <u>30</u> Mins. | <u>25</u> Mins. |
| C First Final Flow Pressure | <u>75</u> P.S.I. | Initial Closed-in Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| D Initial Closed-in Pressure | <u>1384</u> P.S.I. | Second Flow Pressure | <u>90</u> Mins. | <u>90</u> Mins. |
| E Second Initial Flow Pressure | <u>112</u> P.S.I. | Final Closed-in Pressure | <u>90</u> Mins. | <u>90</u> Mins. |
| F Second Final Flow Pressure | <u>150</u> P.S.I. | | | |
| G Final Closed-in Pressure | <u>1325</u> P.S.I. | | | |
| H Final Hydrostatic Mud | <u>2135</u> P.S.I. | | | |

PRESSURE BREAKDOWN

| First Flow Pressure | | Initial Shut-In | | Second Flow Pressure | | Final Shut-In | |
|-----------------------------|-----------|-----------------------------|-------------|-----------------------------|------------|-----------------------------|-------------|
| Breakdown: <u>5</u> Inc. | | Breakdown: <u>20</u> Inc. | | Breakdown: <u>18</u> Inc. | | Breakdown: <u>30</u> Inc. | |
| of <u>5</u> mins. and a | | of <u>3</u> mins. and a | | of <u>5</u> mins. and a | | of <u>3</u> mins. and a | |
| final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | |
| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 <u>0</u> | <u>75</u> | <u>0</u> | <u>75</u> | <u>0</u> | <u>112</u> | <u>0</u> | <u>150</u> |
| P 2 <u>5</u> | <u>75</u> | <u>3</u> | <u>485</u> | <u>5</u> | <u>112</u> | <u>3</u> | <u>588</u> |
| P 3 <u>10</u> | <u>75</u> | <u>6</u> | <u>794</u> | <u>10</u> | <u>112</u> | <u>6</u> | <u>840</u> |
| P 4 <u>15</u> | <u>75</u> | <u>9</u> | <u>969</u> | <u>15</u> | <u>112</u> | <u>9</u> | <u>973</u> |
| P 5 <u>20</u> | <u>75</u> | <u>12</u> | <u>1081</u> | <u>20</u> | <u>112</u> | <u>12</u> | <u>1036</u> |
| P 6 <u>25</u> | <u>75</u> | <u>15</u> | <u>1151</u> | <u>25</u> | <u>112</u> | <u>15</u> | <u>1089</u> |
| P 7 _____ | | <u>18</u> | <u>1201</u> | <u>30</u> | <u>112</u> | <u>18</u> | <u>1126</u> |
| P 8 _____ | | <u>21</u> | <u>1238</u> | <u>35</u> | <u>112</u> | <u>21</u> | <u>1151</u> |
| P 9 _____ | | <u>24</u> | <u>1262</u> | <u>40</u> | <u>119</u> | <u>24</u> | <u>1172</u> |
| P10 _____ | | <u>27</u> | <u>1282</u> | <u>45</u> | <u>121</u> | <u>27</u> | <u>1194</u> |
| P11 _____ | | <u>30</u> | <u>1298</u> | <u>50</u> | <u>124</u> | <u>30</u> | <u>1208</u> |
| P12 _____ | | <u>33</u> | <u>1315</u> | <u>55</u> | <u>128</u> | <u>33</u> | <u>1221</u> |
| P13 _____ | | <u>36</u> | <u>1327</u> | <u>60</u> | <u>131</u> | <u>36</u> | <u>1233</u> |
| P14 _____ | | <u>39</u> | <u>1337</u> | <u>65</u> | <u>135</u> | <u>39</u> | <u>1242</u> |
| P15 _____ | | <u>42</u> | <u>1346</u> | <u>70</u> | <u>138</u> | <u>42</u> | <u>1252</u> |
| P16 _____ | | <u>45</u> | <u>1355</u> | <u>75</u> | <u>141</u> | <u>45</u> | <u>1261</u> |
| P17 _____ | | <u>48</u> | <u>1363</u> | <u>80</u> | <u>144</u> | <u>48</u> | <u>1267</u> |
| P18 _____ | | <u>51</u> | <u>1369</u> | <u>85</u> | <u>147</u> | <u>51</u> | <u>1273</u> |
| P19 _____ | | <u>54</u> | <u>1375</u> | <u>90</u> | <u>150</u> | <u>54</u> | <u>1280</u> |
| P20 _____ | | <u>57</u> | <u>1380</u> | | | <u>57</u> | <u>1286</u> |
| WTC - 4 | | <u>60</u> | <u>1384</u> | | | <u>60</u> | <u>1292</u> |

WESTERN TESTING CO., INC.
Pressure Data

Date 6/16/81

Test Ticket No. 14937

Recorder No. 2606

Capacity 4150

Location 4344 Ft.

Clock No. - Elevation 1690 Kelly Bushing Well Temperature 128 °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud | <u>2286</u> P.S.I. | Open Tool | <u>12:05A</u> | <u>M</u> |
| B First Initial Flow Pressure | <u>75</u> P.S.I. | First Flow Pressure | <u>30</u> Mins. | <u>25</u> Mins. |
| C First Final Flow Pressure | <u>75</u> P.S.I. | Initial Closed-in Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| D Initial Closed-in Pressure | <u>1384</u> P.S.I. | Second Flow Pressure | <u>90</u> Mins. | <u>90</u> Mins. |
| E Second Initial Flow Pressure | <u>112</u> P.S.I. | Final Closed-in Pressure | <u>90</u> Mins. | <u>90</u> Mins. |
| F Second Final Flow Pressure | <u>150</u> P.S.I. | | | |
| G Final Closed-in Pressure | <u>1325</u> P.S.I. | | | |
| H Final Hydrostatic Mud | <u>2135</u> P.S.I. | | | |

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 5 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|-------------|--------|---------------|--------|---------------|--------|---------------|--------|
| P 1 | | | | | | 63 | 1296 |
| P 2 | | | | | | 66 | 1300 |
| P 3 | | | | | | 69 | 1304 |
| P 4 | | | | | | 72 | 1307 |
| P 5 | | | | | | 75 | 1310 |
| P 6 | | | | | | 78 | 1314 |
| P 7 | | | | | | 81 | 1318 |
| P 8 | | | | | | 84 | 1322 |
| P 9 | | | | | | 87 | 1324 |
| P10 | | | | | | 90 | 1325 |
| P11 | | | | | | | |
| P12 | | | | | | | |
| P13 | | | | | | | |
| P14 | | | | | | | |
| P15 | | | | | | | |
| P16 | | | | | | | |
| P17 | | | | | | | |
| P18 | | | | | | | |
| P19 | | | | | | | |
| P20 | | | | | | | |