# WESTERN TESTING CO., INC.

P.O. BOX 1599 — WICHITA, KANSAS 67201

WELL REPORT NO 14257
UNIT NO
DISTRICT

DATE 11/18/81

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 |
|---|---|---|---|---|---|
| #2 | Early | Kingman County, Ks. | 4 | 30S | 7W |

| | | |
|---|---|---|
| One drill stem test from 3685' to 3702' | (Test 1) | $ 625.00 |
| Mileage: Fifty-two miles @ .75¢ per mile | | 39.00 |
| | | $ 664.00 |

POSTED

| DISCOUNT | | | INVOICE NUMBER |
|---|---|---|---|
| 6.64 | 1% DISCOUNT ALLOWED ON THIS INVOICE IF PAID BY THE 20TH OF THE FOLLOWING MONTH | PLEASE INCLUDE OUR INVOICE NUMBER WITH YOUR REMITTANCE | 14257 |

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

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

# WESTERN TESTING CO., INC. Can't Find
## FORMATION TESTING

TICKET № 14257

Elevation 1471 KB. Formation Ks. City Eff. Pay ____ Ft.

District Pratt Date 11-18-81 Customer Order No. ____

COMPANY NAME McCoy Petroleum Corporation

ADDRESS one main Place, Suite 410 Wichita, Ks. 67202

LEASE AND WELL NO. Early #2 COUNTY Kingman STATE KS. Sec. 4 Twp 30S Rge 7W

Mail Invoice To Same (Co. Name) Address No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested from 3685 ft. to 3702 ft. Total Depth 3702 ft.

Packer Depth 3680 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 3685 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3691 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 3694 ft. Recorder Number 1564 Cap. 6600

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

Drilling Contractor Sweetman #1 Drill Collar Length 310 I. D. 2.26 in.

Mud Type Saltmud-Starch Viscosity 45 Weight Pipe Length ____ I. D. ____ in.

Weight 9.4 Water Loss 7.0 cc. Drill Pipe Length 3052 I. D. 3.8 in.

Chlorides 15,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 O.D. in.

Jars: Make NO Serial Number NO Anchor Length 17 ft. Size 5 1/2 O.D. 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 X-Hole in.

Blow: I.F.P. – WEAK Building to STRONG in 10 min.
F.F.P. – WEAK Building to STRONG in 7 min.

Recovered 880 ft. of GAS in PIPE

Recovered 40 ft. of GAS cut mud 19% GAS 3% water 79% mud

Recovered 60 ft. of LIGHT OIL & GAS cut MUD 27% GAS 7% Water 56% mud 10% oil

Recovered 100 ft. of HEAVY OIL & GAS cut MUD 14% GAS 15% water 17% mud 54% oil

Recovered 20 ft. of GAS & oil cut watery mud 11% GAS 18% water 62% mud 9% oil

Remarks: ____

Time On Location 11:30 A.M. P.M. Time Pick Up Tool 12:50 A.M. P.M. Time Off Location 8:30 A.M. P.M.

Time Set Packer(s) 2:20 A.M. P.M. Time Started Off Bottom 5:35 A.M. P.M. Maximum Temperature 128°F

| | | | | |
|---|---|---|---|---|
| Initial Hydrostatic Pressure | | (A) 1878 P.S.I. | | |
| Initial Flow Period | Minutes 30 | (B) 86 P.S.I. | to (C) 64 P.S.I. | |
| Initial Closed In Period | Minutes 45 | (D) 1260 P.S.I. | | |
| Final Flow Period | Minutes 60 | (E) 118 P.S.I. | to (F) 96 P.S.I. | |
| Final Closed In Period | Minutes 60 | (G) 1302 P.S.I. | | |
| Final Hydrostatic Pressure | | (H) 1824 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.

Robert E. McCann

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

RECEIVED NOV 20 1981

Western Representative Karl Geo West, Jr Thank You

### FIELD INVOICE

| | |
|---|---|
| Open Hole Test | $ 625.00 |
| Misrun | $ |
| Straddle Test | $ |
| Jars | $ |
| Selective Zone | $ |
| Safety Joint | $ |
| Standby | $ |
| Evaluation | $ |
| Extra Packer | $ |
| Circ. Sub. | $ |
| Mileage 52 | $ 39.00 |
| Fluid Sampler | $ |
| Extra Charts | $ |
| Insurance | $ |
| TOTAL | $ 664.00 |

# WESTERN TESTING CO., INC.
## Pressure Data

Date 11-18 Test Ticket No. 14257

Recorder No. 1051 Capacity 4250 Location 3691 Ft.

Clock No. — — — — Elevation 1471 KB Well Temperature 128 °F

| Point | | Pressure | | | Time Given | Time Computed |
|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 1884 | P.S.I. | Open Tool | 2:20 AM | |
| B | First Initial Flow Pressure | 86 | P.S.I. | First Flow Pressure | 30 Mins. | 30 Mins. |
| C | First Final Flow Pressure | 75 | P.S.I. | Initial Closed-in Pressure | 45 Mins. | 42 Mins. |
| D | Initial Closed-in Pressure | 1277 | P.S.I. | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E | Second Initial Flow Pressure | 116 | P.S.I. | Final Closed-in Pressure | 60 Mins. | 57 Mins. |
| F | Second Final Flow Pressure | 102 | P.S.I. | | | |
| G | Final Closed-in Pressure | 1302 | P.S.I. | | | |
| H | Final Hydrostatic Mud | 1842 | P.S.I. | | | |

## PRESSURE BREAKDOWN

**First Flow Pressure**
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

| Point | Mins. | Press. |
|---|---|---|
| P 1 | 0 | 86 |
| P 2 | 5 | 86 |
| P 3 | 10 | 82 |
| P 4 | 15 | 79 |
| P 5 | 20 | 77 |
| P 6 | 25 | 76 |
| P 7 | 30 | 75 |
| P 8 | 35 | |
| P 9 | 40 | |
| P10 | 45 | |
| P11 | 50 | |
| P12 | 55 | |
| P13 | 60 | |
| P14 | | |
| P15 | | |
| P16 | | |
| P17 | | |
| P18 | | |
| P19 | | |
| P20 | | |

**Initial Shut-In**
Breakdown: 14 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 75 |
| 3 | 84 |
| 6 | 128 |
| 9 | 197 |
| 12 | 284 |
| 15 | 420 |
| 18 | 591 |
| 21 | 783 |
| 24 | 932 |
| 27 | 1054 |
| 30 | 1140 |
| 33 | 1196 |
| 36 | 1232 |
| 39 | 1263 |
| 42 | 1277 |
| 45 | |
| 48 | |
| 51 | |
| 54 | |
| 57 | |
| 60 | |

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

| Point Minutes | Press. |
|---|---|
| 0 | 116 |
| 5 | 116 |
| 10 | 112 |
| 15 | 108 |
| 20 | 106 |
| 25 | 104 |
| 30 | 102 |
| 35 | |
| 40 | |
| 45 | |
| 50 | |
| 55 | |
| 60 | 102 |
| 65 | |
| 70 | |
| 75 | |
| 80 | |
| 85 | |
| 90 | |

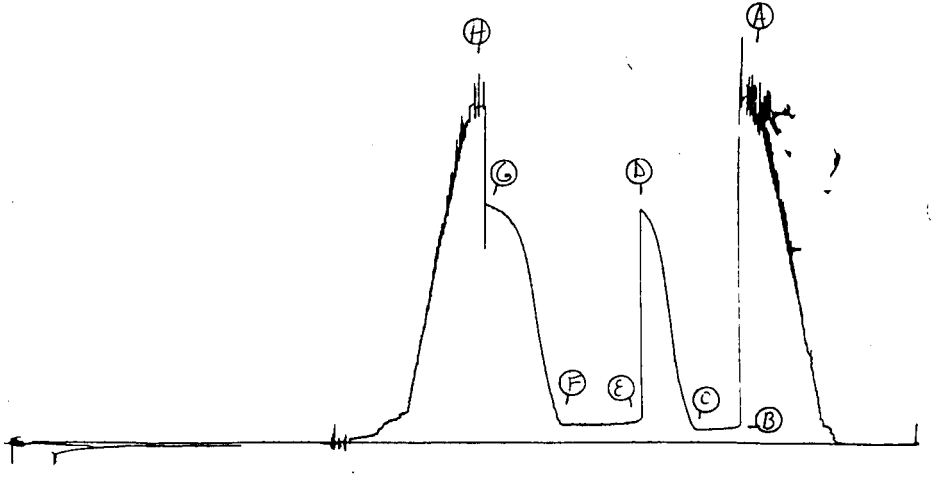
**Final Shut-In**
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 102 |
| 3 | 187 |
| 6 | 273 |
| 9 | 375 |
| 12 | 487 |
| 15 | 612 |
| 18 | 747 |
| 21 | 876 |
| 24 | 972 |
| 27 | 1065 |
| 30 | 1131 |
| 33 | 1174 |
| 36 | 1205 |
| 39 | 1233 |
| 42 | 1255 |
| 45 | 1268 |
| 48 | 1278 |
| 51 | 1288 |
| 54 | 1298 |
| 57 | 1302 |
| ~~60~~ | |

1051

TKT # 14257

I



Company McCoy Petroleum Corporation — Lease & Well No. Early #2

Elevation 1471 Kelly Bushing — Formation Kansas City — Effective Pay - Ft. — Ticket No. 14257

Date 11/18/81 — Sec. 4 — Twp. 30S — Range 7W — County Kingman — State Kansas

Test Approved by Robert E. McCann — Western Representative Karl L.West, Jr.

Formation Test No. 1 — Interval Tested from 3685 ft. to 3702 ft. — Total Depth 3702 ft.

Packer Depth 3680 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3685 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3691 ft. — Recorder Number 1051 — Cap. 4250

Bottom Recorder Depth (Outside) 3694 ft. — Recorder Number 1564 — Cap. 6600

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

Drilling Contractor Sweetman Drlg. Rig #1 — Drill Collar Length 310 — I. D. 2.26 in.

Mud Type salt-mud-starch — Viscosity 45 — Weight Pipe Length - — I. D. - in.

Weight 9.4 — Water Loss 7.0 cc. — Drill Pipe Length 3052 — I. D. 3.8 in.

Chlorides 15,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make No — Serial Number No — Anchor Length 17 ft. — Size 5½OD 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 4½XH in.

Blow: Initial flow period weak building to strong in ten minutes. Final flow period weak building to strong in seven minutes.

Recovered 880 ft. of gas in pipe

Recovered 40 ft. of gas cut mud 19% gas;3% water;78% mud

Recovered 60 ft. of light oil and gas cut mud 27% gas;7% water;56% mud;10% oil

Recovered 100 ft. of heavy oil and gas cut mud 14% gas;15% wtaer;17% mud;54% oil

Recovered 20 ft. of gas and oil cut watery mud 11% gas;18% water;62% mud;9% oil

Remarks:

Time Set Packer(s) 2:20 A.M. ~~P.M.~~ — Time Started Off Bottom 5:35 A.M. ~~P.M.~~ — Maximum Temperature 128°

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Hydrostatic Pressure | | | (A) | 1884 | P.S.I. | |
| Initial Flow Period | Minutes | 30 | (B) | 86 | P.S.I. to (C) | 75 P.S.I. |
| Initial Closed In Period | Minutes | 42 | (D) | 1277 | P.S.I. | |
| Final Flow Period | Minutes | 60 | (E) | 116 | P.S.I. to (F) | 102 P.S.I. |
| Final Closed In Period | Minutes | 57 | (G) | 1302 | P.S.I. | |
| Final Hydrostatic Pressure | | | (H) | 1842 | P.S.I. | |

# WESTERN TESTING CO., INC.
## Pressure Data

Date 11/18/81 Test Ticket No. 14257

Recorder No. 1051 Capacity 4250 Location 3691 Ft.

Clock No. - Elevation 1471 Kelly Bushing Well Temperature 128 °F

| Point | Pressure | | Time Given | Time Computed |
|---|---|---|---|---|
| A Initial Hydrostatic Mud | 1884 P.S.I. | Open Tool | 2:20A M | |
| B First Initial Flow Pressure | 86 P.S.I. | First Flow Pressure | 30 Mins. | 30 Mins. |
| C First Final Flow Pressure | 75 P.S.I. | Initial Closed-in Pressure | 45 Mins. | 42 Mins. |
| D Initial Closed-in Pressure | 1277 P.S.I. | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E Second Initial Flow Pressure | 116 P.S.I. | Final Closed-in Pressure | 60 Mins. | 57 Mins. |
| F Second Final Flow Pressure | 102 P.S.I. | | | |
| G Final Closed-in Pressure | 1302 P.S.I. | | | |
| H Final Hydrostatic Mud | 1842 P.S.I. | | | |

## PRESSURE BREAKDOWN

**First Flow Pressure**
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

| Point Mins. | Press. |
|---|---|
| P 1 0 | 86 |
| P 2 5 | 86 |
| P 3 10 | 82 |
| P 4 15 | 79 |
| P 5 20 | 77 |
| P 6 25 | 76 |
| P 7 30 | 75 |
| P 8 | |
| P 9 | |
| P10 | |
| P11 | |
| P12 | |
| P13 | |
| P14 | |
| P15 | |
| P16 | |
| P17 | |
| P18 | |
| P19 | |
| P20 | |

**Initial Shut-In**
Breakdown: 14 Inc. of 3 mins. and a final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 75 |
| 3 | 84 |
| 6 | 128 |
| 9 | 197 |
| 12 | 284 |
| 15 | 420 |
| 18 | 591 |
| 21 | 783 |
| 24 | 932 |
| 27 | 1054 |
| 30 | 1140 |
| 33 | 1196 |
| 36 | 1232 |
| 39 | 1263 |
| 42 | 1277 |

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

| Point Minutes | Press. |
|---|---|
| 0 | 116 |
| 5 | 116 |
| 10 | 112 |
| 15 | 108 |
| 20 | 106 |
| 25 | 104 |
| 30 | 102 |
| 35 | 102 |
| 40 | 102 |
| 45 | 102 |
| 50 | 102 |
| 55 | 102 |
| 60 | 102 |

**Final Shut-In**
Breakdown: 19 Inc. of 3 mins. and a final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 102 |
| 3 | 187 |
| 6 | 273 |
| 9 | 375 |
| 12 | 487 |
| 15 | 612 |
| 18 | 747 |
| 21 | 876 |
| 24 | 972 |
| 27 | 1065 |
| 30 | 1131 |
| 33 | 1174 |
| 36 | 1205 |
| 39 | 1233 |
| 42 | 1255 |
| 45 | 1268 |
| 48 | 1278 |
| 51 | 1288 |
| 54 | 1298 |
| 57 | 1302 |

# WESTERN TESTING CO., INC.

P.O. BOX 1599 — WICHITA, KANSAS 67201

WELL REPORT NO 14258
UNIT NO
DISTRICT

DATE 11/20/81

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 |
|---|---|---|---|---|---|
| #2 | EArly | Kingman County,Ks. | 4 | 30S | 7W |

| | | |
|---|---|---|
| One drill stem test from 4080' to 4110' | (Test #2 ) | $ 700.00 |
| Mileage: Fifty-two miles @ .75¢ per mile | | 39.00 |
| | | $ 739.00 |

POSTED

| DISCOUNT | 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 |
|---|---|---|---|
| 7.39 | | | 14258 |

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

Ok

# WESTERN TESTING CO., INC.
## FORMATION TESTING

TICKET No. 14258

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

Elevation 1471 KB Formation miss. Eff. Pay ____ Ft.

District Pratt Date 11-20-81 Customer Order No. ____

COMPANY NAME McCoy Petroleum Corporation

ADDRESS One Main Place Suite 410 Wichita, Ks. 67202

LEASE AND WELL NO. Early #2 COUNTY Kingman STATE KS Sec. 4 Twp 30s Rge 7 W

Mail Invoice To Same (Co. Name) Address No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 2 Interval Tested from 4080 ft. to 4110 ft. Total Depth 4110 ft.

Packer Depth 4075 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 4080 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4086 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 4089 ft. Recorder Number 15640 Cap. 6600

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

Drilling Contractor Sweetman 1 Drill Collar Length 310 I. D. 2.26 in.

Mud Type Saltmud-Starch Viscosity 46 Weight Pipe Length ____ I. D. ____ in.

Weight 9.4 Water Loss 11.0 cc. Drill Pipe Length 3809 I. D. 3.8 in.

Chlorides N/A P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 O.D. in.

Jars: Make NO Serial Number NO Anchor Length 30 ft. Size 5 1/2 O.D. 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 X-Hole in.

Blow: I.F.P. - GAS TO Surface in 11 min. @ 47,700 C.F./Day Built to 69,000 C.F./D
F.F.P. - GAS @ 90,100 C.F./DAY Decreased to 68,800 C.F./DAY See attached sheet for gas measurements

Recovered 140 ft. of HEAVY GAS CUT MUD

Recovered 60 ft. of LIGHT GAS CUT MUD

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: GAS flow Report #3409

RECEIVED NOV 23 1981

Time On Location 12:30 A.M. P.M. Time Pick Up Tool 4:30 A.M. P.M. Time Off Location 11:30 A.M. P.M.

Time Set Packer(s) 5:20 A.M. P.M. Time Started Off Bottom 8:35 A.M. P.M. Maximum Temperature 129°F

| | | | | |
|---|---|---|---|---|
| Initial Hydrostatic Pressure | | (A) 2208 P.S.I. | | |
| Initial Flow Period | Minutes 30 | (B) 75 P.S.I. | to (C) 75 P.S.I. | |
| Initial Closed In Period | Minutes 45 | (D) 591 P.S.I. | | |
| Final Flow Period | Minutes 60 | (E) 75 P.S.I. | to (F) 75 P.S.I. | |
| Final Closed In Period | Minutes 60 | (G) 591 P.S.I. | | |
| Final Hydrostatic Pressure | | (H) 2166 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 Karl [illegible] Thanks again

FIELD INVOICE

| | |
|---|---|
| Open Hole Test | $ 700.00 |
| Misrun | $ |
| Straddle Test | $ |
| Jars | $ |
| Selective Zone | $ |
| Safety Joint | $ |
| Standby | $ |
| Evaluation | $ |
| Extra Packer | $ |
| Circ. Sub. | $ |
| Mileage 52 | $ 39.00 |
| Fluid Sampler | $ |
| Extra Charts | $ |
| Insurance | $ |
| TOTAL | $ 739.00 |

Phone 316 262-5861

P. O. Box 1599
WICHITA, KANSAS 67201

# GAS FLOW REPORT

**No 3409**

Date 11-20-81 Ticket 14258 Company McCoy Petroleum Corporation.

Well Name and No. Early 2 Dst No. 2 Interval Tested 4080-4110

County Kingman State Ks. Sec. 4 Twp. 30s Rg. 7w

| 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** | | |
| | PSI | | | | GAS to Surface 11 min. |
| 15 | 2 | 1/2 | | | 47,700 C.F./Day |
| 20 | 3 | 1/2 | | | 59,200 |
| 25 | 3 | 1/2 | | | 59,200 |
| 30 | 3.5 | 1/2 | | | 64,000 |
| | | | **SECOND FLOW** | | |
| | PSI | | | | |
| 5 | 6.5 | 1/2 | | | 90,100 C.F./DAY |
| 10 | 5.5 | " | | | 81,800 |
| 20 | 4.5 | " | | | 73,600 |
| 30 | 4.5 | " | | | 73,600 |
| 40 | 4.0 | " | | | 68,800 |
| 50 | 4.0 | " | | | 68,800 |
| 60 | 4.0 | " | | | 68,800 |

## GAS BOTTLE

Serial No. NO Date Bottle Filled NO 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 1½% 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. McCoy

FORM WTC 9

# WESTERN TESTING CO., INC.
## Pressure Data

Date 11-20 Test Ticket No. 14258

Recorder No. 1051 Capacity 4250 Location 4086 Ft.

Clock No. — — — — Elevation 1471 KB Well Temperature 129 °F

| Point | | Pressure | | | Time Given | Time Computed |
|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 2220 P.S.I. | | Open Tool | 5:20 PM | |
| B | First Initial Flow Pressure | 90 P.S.I. | | First Flow Pressure | 30 Mins. | 25 Mins. |
| C | First Final Flow Pressure | 90 P.S.I. | | Initial Closed-in Pressure | 45 Mins. | 45 Mins. |
| D | Initial Closed-in Pressure | 619 P.S.I. | | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E | Second Initial Flow Pressure | 84 P.S.I. | | Final Closed-in Pressure | 60 Mins. | 60 Mins. |
| F | Second Final Flow Pressure | 84 P.S.I. | | | | |
| G | Final Closed-in Pressure | 603 P.S.I. | | | | |
| H | Final Hydrostatic Mud | 2166 P.S.I. | | | | |

## PRESSURE BREAKDOWN

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

| Point Mins. | Press. |
|---|---|
| P 1 0 | 90 |
| P 2 5 | |
| P 3 10 | |
| P 4 15 | |
| P 5 20 | |
| P 6 25 | 90 |
| P 7 30 | |
| P 8 35 | |
| P 9 40 | |
| P10 45 | |
| P11 50 | |
| P12 55 | |
| P13 60 | |
| P14 | |
| P15 | |
| P16 | |
| P17 | |
| P18 | |
| P19 | |
| P20 | |

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

| Point Minutes | Press. |
|---|---|
| 0 | 90 |
| 3 | 334 |
| 6 | 461 |
| 9 | 513 |
| 12 | 547 |
| 15 | 566 |
| 18 | 583 |
| 21 | 593 |
| 24 | 600 |
| 27 | 604 |
| 30 | 610 |
| 33 | 612 |
| 36 | 614 |
| 39 | 616 |
| 42 | 618 |
| 45 | 619 |
| 48 | |
| 51 | |
| 54 | |
| 57 | |
| 60 | |

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

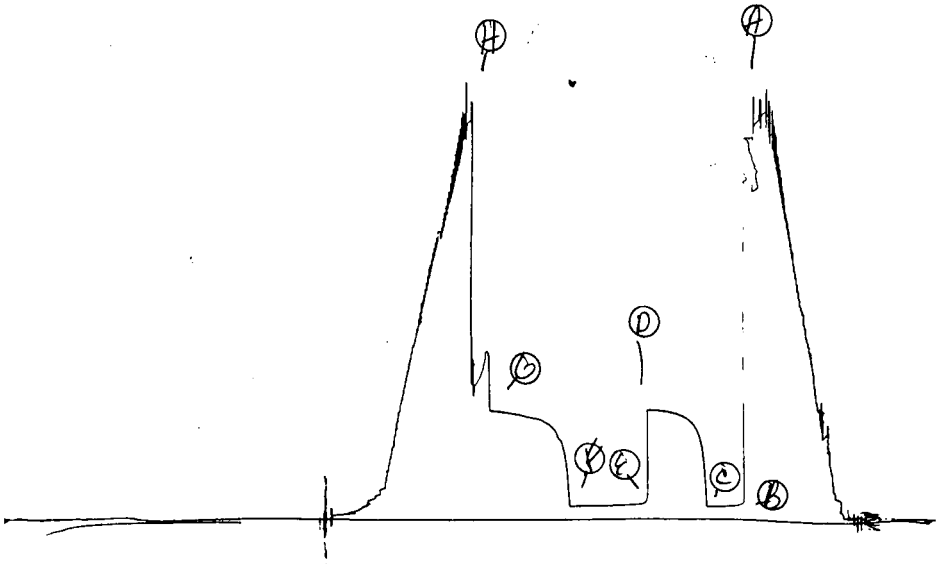
| Point Minutes | Press. |
|---|---|
| 0 | 84 |
| 5 | |
| 10 | |
| 15 | |
| 20 | |
| 25 | |
| 30 | |
| 35 | |
| 40 | |
| 45 | |
| 50 | |
| 55 | |
| 60 | 84 |
| 65 | |
| 70 | |
| 75 | |
| 80 | |
| 85 | |
| 90 | |
| | |

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

| Point Minutes | Press. |
|---|---|
| 0 | 84 |
| 3 | 310 |
| 6 | 418 |
| 9 | 457 |
| 12 | 502 |
| 15 | 525 |
| 18 | 540 |
| 21 | 555 |
| 24 | 563 |
| 27 | 568 |
| 30 | 572 |
| 33 | 575 |
| 36 | 581 |
| 39 | 586 |
| 42 | 590 |
| 45 | 593 |
| 48 | 595 |
| 51 | 597 |
| 54 | 599 |
| 57 | 601 |
| 60 | 603 |

Pkt # 14258

I



Company McCoy Petroleum Corporation Lease & Well No. Early #2

Elevation 1471 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 14258

Date 11/ 20/81 Sec. 4 Twp. 30S Range 7W County Kingman State Kansas

Test Approved by Robert E. McCann Western Representative Karl L. West, Jr.

Formation Test No. 2 Interval Tested from 4080 ft. to 4110 ft. Total Depth 4110 ft.

Packer Depth 4075 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4080 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4086 ft. Recorder Number 1051 Cap. 4250

Bottom Recorder Depth (Outside) 4089 ft. Recorder Number 1564 Cap. 6600

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

Drilling Contractor Sweetman Drlg. Rig #1 Drill Collar Length 310 I. D. 2.26 in.

Mud Type salt mud-starch Viscosity 46 Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 11.0 cc. Drill Pipe Length 3809 I. D. 3.8 in.

Chlorides N/A P.P.M. Test Tool Length 20 ft. Tool Size 5½ OD in.

Jars: Make No Serial Number - Anchor Length 30 ft. Size 5½ 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 4½ XH in.

Blow: Initial flow period gas to surface in eleven minutes. See attached sheet for gas measurements.

Recovered 140 ft. of heavy gas cut mud

Recovered 60 ft. of light gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:20 ~~A.M.~~ P.M. Time Started Off Bottom 8:35 ~~A.M.~~ P.M. Maximum Temperature 129°

Initial Hydrostatic Pressure (A) 2220 P.S.I.

Initial Flow Period Minutes 25 (B) 90 P.S.I. to (C) 90 P.S.I.

Initial Closed In Period Minutes 45 (D) 619 P.S.I.

Final Flow Period Minutes 60 (E) 84 P.S.I. to (F) 84 P.S.I.

Final Closed In Period Minutes 60 (G) 603 P.S.I.

Final Hydrostatic Pressure (H) 2166 P.S.I.

WTC-

# GAS FLOW REPORT

Date 11/20/81 Ticket 14258 Company McCoy Petroleum Corporation

Well Name and No. Early #2 Dst No. 2 Interval Tested 4080'-4110'

County Kingman State Kansas Sec. 4 Twp. 30S Rg. 7W

| 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 |
|---|---|---|---|---|---|---|
| Gas to surface in eleven minutes. **PRE FLOW** | | | | | | |
| | 15 min. | 2.0PSIG | 1/2" orofice | | | 47,700 CFPD |
| | 20 min. | 3.0PSIG | 1/2" orifice | | | 59,200 CFPD |
| | 25 min. | 3.0PSIG | 1/2" orifice | | | 59,200 CFPD |
| | 30 min. | 3.5PSIG | 1/2" orifice | | | 64,000 CFPD |
| | | | | | | |
| | | | | | | |
| **SECOND FLOW** | | | | | | |
| | 5 min. | 6.5 PSIG | 1/2" orifice | | | 90,100 CFPD |
| | 10 min. | 5.5 PSIG | 1/2" orifice | | | 81,800 CFPD |
| | 20 min. | 4.5 PSIG | 1/2" orifice | | | 73,600 CFPD |
| | 30 min. | 4.5 PSIG | 1/2" orifice | | | 73,600 CFPD |
| | 40 min. | 4.0 PSIG | 1/2" orifice | | | 68,800 CFPD |
| | 50 min. | 4.0 PSIG | 1/2" orifice | | | 68,800 CFPD |
| | 60 min. | 4.0 PSIG | 1/2" orifice | | | 68,800 CFPD |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

## GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced 11/20/81

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% 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 Corporation

Authorized by Robert E. McCann

FORM WTC 6

# WESTERN TESTING CO., INC.
## Pressure Data

Date 11/20/81 Test Ticket No. 14258

Recorder No. 1051 Capacity 4250 Location 4086 Ft.

Clock No. - Elevation 1471 Kelly Bushing Well Temperature 129 °F

| Point | Pressure | | Time Given | Time Computed |
|---|---|---|---|---|
| A Initial Hydrostatic Mud | 2220 P.S.I. | Open Tool | 5:20P M | |
| B First Initial Flow Pressure | 90 P.S.I. | First Flow Pressure | 30 Mins. | 25 Mins. |
| C First Final Flow Pressure | 90 P.S.I. | Initial Closed-in Pressure | 45 Mins. | 45 Mins. |
| D Initial Closed-in Pressure | 619 P.S.I. | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E Second Initial Flow Pressure | 84 P.S.I. | Final Closed-in Pressure | 60 Mins. | 60 Mins. |
| F Second Final Flow Pressure | 84 P.S.I. | | | |
| G Final Closed-in Pressure | 603 P.S.I. | | | |
| H Final Hydrostatic Mud | 2166 P.S.I. | | | |

## PRESSURE BREAKDOWN

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

| Point Mins. | Press. |
|---|---|
| P 1 0 | 90 |
| P 2 5 | 90 |
| P 3 10 | 90 |
| P 4 15 | 90 |
| P 5 20 | 90 |
| P 6 25 | 90 |
| P 7 | |
| P 8 | |
| P 9 | |
| P10 | |
| P11 | |
| P12 | |
| P13 | |
| P14 | |
| P15 | |
| P16 | |
| P17 | |
| P18 | |
| P19 | |
| P20 | |

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

| Point Minutes | Press. |
|---|---|
| 0 | 90 |
| 3 | 334 |
| 6 | 461 |
| 9 | 513 |
| 12 | 547 |
| 15 | 566 |
| 18 | 583 |
| 21 | 593 |
| 24 | 600 |
| 27 | 604 |
| 30 | 610 |
| 33 | 612 |
| 36 | 614 |
| 39 | 616 |
| 42 | 618 |
| 45 | 619 |
| | |
| | |
| | |
| | |

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

| Point Minutes | Press. |
|---|---|
| 0 | 84 |
| 5 | 84 |
| 10 | 84 |
| 15 | 84 |
| 20 | 84 |
| 25 | 84 |
| 30 | 84 |
| 35 | 84 |
| 40 | 84 |
| 45 | 84 |
| 50 | 84 |
| 55 | 84 |
| 60 | 84 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

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

| Point Minutes | Press. |
|---|---|
| 0 | 84 |
| 3 | 310 |
| 6 | 418 |
| 9 | 457 |
| 12 | 502 |
| 15 | 525 |
| 18 | 540 |
| 21 | 555 |
| 24 | 563 |
| 27 | 568 |
| 30 | 572 |
| 33 | 575 |
| 36 | 581 |
| 39 | 586 |
| 42 | 590 |
| 45 | 593 |
| 48 | 595 |
| 51 | 597 |
| 54 | 599 |
| 57 | 601 |
| 60 | 603 |

# WESTERN TESTING CO., INC.

P.O. BOX 1599 — WICHITA, KANSAS 67201

WELL REPORT NO 14259
UNIT NO
DISTRICT

DATE 11/21/81

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 |
|---|---|---|---|---|---|
| #2 | EArly | Kingman County,Ks. | 4 | 30S | 7W |

| | | |
|---|---|---|
| One drill stem test from 4110' to 4165' | (Test # 3) | $ 700.00 |
| Mileage: Fifty-two miles @ .75¢ per mile | | 39.00 |
| | | $ 739.00 |

POSTED

| DISCOUNT | 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 14259 |
|---|---|---|---|

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

Ok

# WESTERN TESTING CO., INC.
## FORMATION TESTING

TICKET No. 14259

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

Elevation 1471 KB Formation _____ Eff. Pay _____ Ft.

District Pratt Date 11-21-81 Customer Order No. _____

OMPANY NAME McCoy Petroleum Corporation

ODRESS One main Place Suite 410 Wichita, Ks. 67202

ASE AND WELL NO. Early #2 COUNTY Kingman STATE KS Sec. 4 Twp 30 S Rge 7 W

ail Invoice To Same (Co. Name) Address No. Copies Requested Reg

ail Charts To Same Address No. Copies Requested Reg

rmation Test No. 3 Interval Tested from 4110 ft. to 4165 ft. Total Depth 4165 ft.

cker Depth 4105 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

cker Depth 4110 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

epth of Selective Zone Set —

p Recorder Depth (Inside) 4116 ft. Recorder Number 1051 Cap. 4250

ttom Recorder Depth (Outside) 4119 ft. Recorder Number 15640 Cap. 6600

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

illing Contractor Sweetman 1 Drill Collar Length 310 I. D. 2.26 in.

ud Type Saltmud-Starch Viscosity 48 Weight Pipe Length — I. D. — in.

eight 9.6 Water Loss 12.4 cc. Drill Pipe Length 3831 I. D. 3.8 in.

lorides N/A P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 O. D. in.

ts: Make NO Serial Number NO Anchor Length 30 Collar 7/25 Perf. 55 ft. Size 5 1/2 O.D. in.

d 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 X-Hole in.

ow: I.F.P. – WEAK to Strong in 3 min.
F.F.P. – Fair to Strong in 2 min.

ecovered 65 ft. of GAS CUT MUD

ecovered 120 ft. of Slightly oil & GAS CUT Light mud.

ecovered _____ ft. of _____

ecovered _____ ft. of _____

ecovered _____ ft. of _____

emarks: _____

RECEIVED NOV 23 1981

ime On Location 8:30 A.M. P.M. Time Pick Up Tool 8:50 A.M. P.M. Time Off Location 4:30 A.M. P.M.

me Set Packer(s) 10:30 A.M. P.M. Time Started Off Bottom 1:30 A.M. P.M. Maximum Temperature 131°F

itial Hydrostatic Pressure ..... (A) 2208 P.S.I.

itial Flow Period ..... Minutes 30 (B) 75 P.S.I. to (C) 43 P.S.I.

itial Closed In Period ..... Minutes 30 (D) 215 P.S.I.

nal Flow Period ..... Minutes 60 (E) 107 P.S.I. to (F) 96 P.S.I.

nal Closed In Period ..... Minutes 60 (G) 290 P.S.I.

nal Hydrostatic Pressure ..... (H) 2166 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 Karl Teotter Jr. Thanks again

FIELD INVOICE

| | |
|---|---|
| Open Hole Test | $ 700.00 |
| Misrun | $ |
| Straddle Test | $ |
| Jars | $ |
| Selective Zone | $ |
| Safety Joint | $ |
| Standby | $ |
| Evaluation | $ |
| Extra Packer | $ |
| Circ. Sub. | $ |
| Mileage 52 | $ 39.00 |
| Fluid Sampler | $ |
| Extra Charts | $ |
| Insurance | $ |
| TOTAL | $ 739.00 |

## WESTERN TESTING CO., INC.

### Pressure Data

Date 11-21 Test Ticket No. 14259

Recorder No. 1051 Capacity 4250 Location 4116 Ft.

Clock No. — — — — Elevation 1471 KB Well Temperature 131 °F

| Point | | Pressure | |
|---|---|---|---|
| A | Initial Hydrostatic Mud | 2220 | P.S.I. |
| B | First Initial Flow Pressure | 61 | P.S.I. |
| C | First Final Flow Pressure | 61 | P.S.I. |
| D | Initial Closed-in Pressure | 224 | P.S.I. |
| E | Second Initial Flow Pressure | 102 | P.S.I. |
| F | Second Final Flow Pressure | 108 | P.S.I. |
| G | Final Closed-in Pressure | 293 | P.S.I. |
| H | Final Hydrostatic Mud | 2166 | P.S.I. |

| | Time Given | Time Computed |
|---|---|---|
| Open Tool | 10:30 AM | |
| First Flow Pressure | 30 Mins. | 30 Mins. |
| Initial Closed-in Pressure | 30 Mins. | 27 Mins. |
| Second Flow Pressure | 60 Mins. | 60 Mins. |
| Final Closed-in Pressure | 60 Mins. | 54 Mins. |

### PRESSURE BREAKDOWN

**First Flow Pressure**
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

| Point Mins. | Press. |
|---|---|
| P 1 0 | 61 |
| P 2 5 | |
| P 3 10 | |
| P 4 15 | |
| P 5 20 | |
| P 6 25 | |
| P 7 30 | 61 |
| P 8 35 | |
| P 9 40 | |
| P10 45 | |
| P11 50 | |
| P12 55 | |
| P13 60 | |
| P14 | |
| P15 | |
| P16 | |
| P17 | |
| P18 | |
| P19 | |
| P20 | |

**Initial Shut-In**
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 61 |
| 3 | 83 |
| 6 | 115 |
| 9 | 141 |
| 12 | 165 |
| 15 | 184 |
| 18 | 197 |
| 21 | 208 |
| 24 | 219 |
| 27 | 224 |
| 30 | |
| 33 | |
| 36 | |
| 39 | |
| 42 | |
| 45 | |
| 48 | |
| 51 | |
| 54 | |
| 57 | |
| 60 | |

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

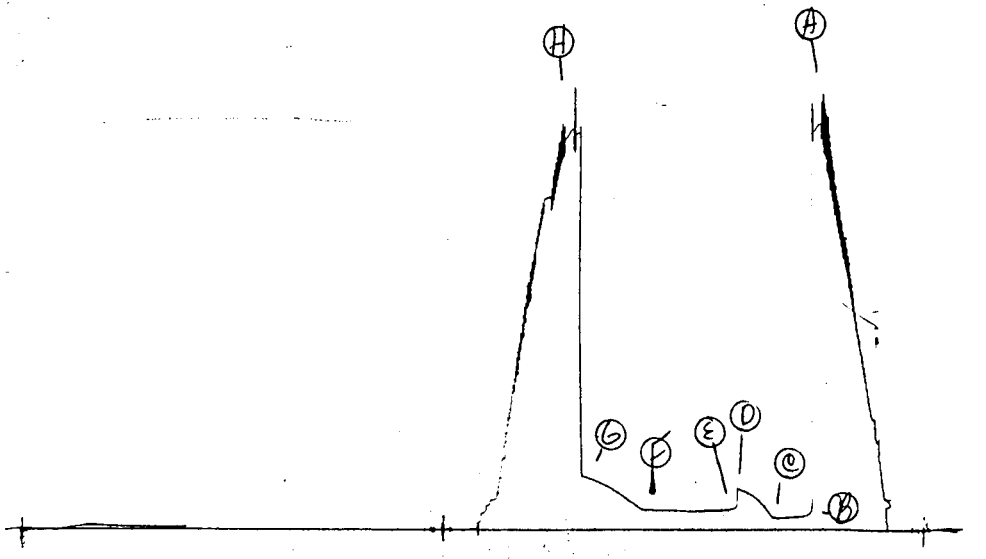
| Point Minutes | Press. |
|---|---|
| 0 | 102 |
| 5 | |
| 10 | |
| 15 | |
| 20 | |
| 25 | |
| 30 | |
| 35 | 102 |
| 40 | 104 |
| 45 | 107 |
| 50 | 107 |
| 55 | 108 |
| 60 | 108 |
| 65 | |
| 70 | |
| 75 | |
| 80 | |
| 85 | |
| 90 | |

**Final Shut-In**
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 108 |
| 3 | 108 |
| 6 | 109 |
| 9 | 112 |
| 12 | 125 |
| 15 | 142 |
| 18 | 156 |
| 21 | 174 |
| 24 | 189 |
| 27 | 204 |
| 30 | 219 |
| 33 | 232 |
| 36 | 243 |
| 39 | 254 |
| 42 | 265 |
| 45 | 275 |
| 48 | 285 |
| 51 | 289 |
| 54 | 293 |
| 57 | |
| 60 | |

1051

Rkt # 14259
I



Company McCoy Petroleum Corporation — Lease & Well No. Early #2

Elevation 1471 Kelly Bushing — Formation Mississippi — Effective Pay - Ft. — Ticket No. 14259

Date 11/21 /81 — Sec. 4 — Twp. 30S — Range 7W — County Kingman — State Kansas

Test Approved by Robert E. McCann — Western Representative Karl L.West, Jr.

Formation Test No. 3 — Interval Tested from 4110 ft. to 4165 ft. — Total Depth 4165 ft.

Packer Depth 4105 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 4110 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4116 ft. — Recorder Number 1051 — Cap. 4250

Bottom Recorder Depth (Outside) 4119 ft. — Recorder Number 1564 — Cap. 6600

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

Drilling Contractor Sweetman Drlg. Rig #1 — Drill Collar Length 310 — I. D. 2.26 in.

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

Weight 9.6 — Water Loss 12.4 cc. — Drill Pipe Length 3831 — I. D. 3.8 in.

Chlorides N/A P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make No — Serial Number - — Anchor Length 55 ft. — Size 5½OD 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 4½XH in.

Blow: Initial flow period weak go strong in three minutes.
Final flow period fair to strong in two minutes.

Recovered 65 ft. of gas cut mud

Recovered 120 ft. of slightly oil and gas cut light mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 10:30 ~~P.M.~~ A.M. — Time Started Off Bottom 1:30 ~~A.M.~~ P.M. — Maximum Temperature 131°

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Hydrostatic Pressure | | | (A) 2220 P.S.I. | | | |
| Initial Flow Period | Minutes 30 | (B) 61 P.S.I. | to | (C) 61 P.S.I. | | |
| Initial Closed In Period | Minutes 27 | (D) 224 P.S.I. | | | | |
| Final Flow Period | Minutes 60 | (E) 102 P.S.I. | to | (F) 108 P.S.I. | | |
| Final Closed In Period | Minutes 54 | (G) 293 P.S.I. | | | | |
| Final Hydrostatic Pressure | | | (H) 2166 P.S.I. | | | |

# WESTERN TESTING CO., INC.
## Pressure Data

Date 11/21/81 Test Ticket No. 14259

Recorder No. 1051 Capacity 4250 Location 4116 Ft.

Clock No. - Elevation 1471 Kelly Bushing Well Temperature 131 °F

| Point | | Pressure | | | Time Given | Time Computed |
|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 2220 P.S.I. | | Open Tool | 10:30A M | |
| B | First Initial Flow Pressure | 61 P.S.I. | | First Flow Pressure | 30 Mins. | 30 Mins. |
| C | First Final Flow Pressure | 61 P.S.I. | | Initial Closed-in Pressure | 30 Mins. | 27 Mins. |
| D | Initial Closed-in Pressure | 224 P.S.I. | | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E | Second Initial Flow Pressure | 102 P.S.I. | | Final Closed-in Pressure | 60 Mins. | 54 Mins. |
| F | Second Final Flow Pressure | 108 P.S.I. | | | | |
| G | Final Closed-in Pressure | 293 P.S.I. | | | | |
| H | Final Hydrostatic Mud | 2166 P.S.I. | | | | |

## PRESSURE BREAKDOWN

**First Flow Pressure**
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

| Point Mins. | Press. |
|---|---|
| P 1 0 | 61 |
| P 2 5 | 61 |
| P 3 10 | 61 |
| P 4 15 | 61 |
| P 5 20 | 61 |
| P 6 25 | 61 |
| P 7 30 | 61 |
| P 8 | |
| P 9 | |
| P10 | |
| P11 | |
| P12 | |
| P13 | |
| P14 | |
| P15 | |
| P16 | |
| P17 | |
| P18 | |
| P19 | |
| P20 | |

**Initial Shut-In**
Breakdown: 9 Inc. of 3 mins. and a final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 61 |
| 3 | 83 |
| 6 | 115 |
| 9 | 141 |
| 12 | 165 |
| 15 | 184 |
| 18 | 197 |
| 21 | 208 |
| 24 | 219 |
| 27 | 224 |

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

| Point Minutes | Press. |
|---|---|
| 0 | 102 |
| 5 | 102 |
| 10 | 102 |
| 15 | 102 |
| 20 | 102 |
| 25 | 102 |
| 30 | 102 |
| 35 | 102 |
| 40 | 104 |
| 45 | 107 |
| 50 | 107 |
| 55 | 108 |
| 60 | 108 |

**Final Shut-In**
Breakdown: 18 Inc. of 3 mins. and a final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 108 |
| 3 | 108 |
| 6 | 109 |
| 9 | 112 |
| 12 | 125 |
| 15 | 142 |
| 18 | 156 |
| 21 | 174 |
| 24 | 189 |
| 27 | 204 |
| 30 | 219 |
| 33 | 232 |
| 36 | 243 |
| 39 | 254 |
| 42 | 265 |
| 45 | 275 |
| 48 | 285 |
| 51 | 289 |
| 54 | 293 |