Company Carstan Petroleum Services, Inc. Lease & Well No. DeRome #1

Elevation 1937 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 13709

Date 10/17/81 Sec. 14 Twp. 29S Range 13W County Pratt State Kansas

Test Approved by K A Holke Western Representative Karl L West, Jr.

Formation Test No. 1 Interval Tested from 4609 ft. to 4620 ft. Total Depth 4620 ft.

Packer Depth 4604 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4609 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4611 ft. Recorder Number 13267 Cap. 4050

Bottom Recorder Depth (Outside) 4614 ft. Recorder Number 1051 Cap. 4250

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

Drilling Contractor Reynolds Drill Collar Length 308 I. D. 2.26 in.

Mud Type Starch Salt Clay Viscosity 46 Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 19.2 cc. Drill Pipe Length 4334 I. D. 3.8 in.

Chlorides 30,000 P.P.M. Test Tool Length 30 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 409 Anchor Length 11 ft. Size 5½OD in.

Did Well Flow? Yes 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 in.

Blow: Initial flow period gas to surface in 5 minutes. Well flowing mud in 18 minutes. Flowin oil in 28 minutes. See attached sheet for gas measurements.

Recovered 940 ft. of gas cut oil ( no mud or water)

Recovered ft. of gravity 32

Recovered 20 ft. of muddy water Chlorides 31,000 PPM

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:40 A.M. ~~P.M.~~ Time Started Off Bottom 9:40 A.M. ~~P.M.~~ Maximum Temperature 131

Initial Hydrostatic Pressure (A) 2378 P.S.I.

Initial Flow Period Minutes 25 (B) 389 P.S.I. to (C) 571 P.S.I.

Initial Closed In Period Minutes 90 (D) 963 P.S.I.

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

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

Final Hydrostatic Pressure (H) 2327 P.S.I.

# GAS FLOW REPORT

Date 10/18/81 Ticket 13709 Company Carston Petroleum Services, Inc

Well Name and No. DeRome #1 Dst No. 1 Interval Tested 4609-4620

County Pratt State Kansas Sec. 14 Twp. 29S Rg. 13W

| 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** | | | | | | |
| | 10 Min | 14 PSIG | 3/4" Orifice | | | 317,000 C.F.P.D. |
| | | | | | | Flowing mud in 18 minutes. |
| | | | | | | Flowing oil in 28 minutes. |
| | | | | | | |
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| **SECOND FLOW** | | | | | | |
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| | | | | | | No Final Flow. |
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## GAS BOTTLE

Serial No. 106 Date Bottle Filled 10/18/81 Date to be Invoiced 10/18/81

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 Carston Petroleum Services, Inc.

Authorized by Doutrey Rogers

FORM WTC 6

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

Date 10/17/81 Test Ticket No. 13709

Recorder No. 13267 Capacity 4050 Location 4611 Ft.

Clock No. - Elevation 1937 Kelly Bushing Well Temperature 131 °F

| Point | | Pressure | | | Time Given | Time Computed |
|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 2378 | P.S.I. | Open Tool | 7:40A M | |
| B | First Initial Flow Pressure | 389 | P.S.I. | First Flow Pressure | 30 Mins. | 25 Mins. |
| C | First Final Flow Pressure | 571 | P.S.I. | Initial Closed-in Pressure | 90 Mins. | 90 Mins. |
| D | Initial Closed-in Pressure | 963 | 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 | 2327 | 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 | 389 |
| P 2 | 5 | 405 |
| P 3 | 10 | 437 |
| P 4 | 15 | 476 |
| P 5 | 20 | 527 |
| P 6 | 25 | 571 |
| P 7 | | |
| P 8 | | |
| P 9 | | |
| P10 | | |
| P11 | | |
| P12 | | |
| P13 | | |
| P14 | | |
| P15 | | |
| P16 | | |
| P17 | | |
| P18 | | |
| P19 | | |
| P20 | | |

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

| Point Minutes | Press. |
|---|---|
| 0 | 571 |
| 3 | 817 |
| 6 | 923 |
| 9 | 939 |
| 12 | 946 |
| 15 | 950 |
| 18 | 953 |
| 21 | 956 |
| 24 | 958 |
| 27 | 959 |
| 30 | 960 |
| 33 | 961 |
| 36 | 962 |
| 39 | 962 |
| 42 | 962 |
| 45 | 962 |
| 48 | 963 |
| 51 | 963 |
| 54 | 963 |
| 57 | 963 |
| 60 | 963 |

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

| Point Minutes | Press. |
|---|---|
| | |

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

| Point Minutes | Press. |
|---|---|
| | |



CONT'D NEXT PAGE

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

Date 10/17/81 Test Ticket No. 13709

Recorder No. 13267 Capacity 4050 Location 4611 Ft.

Clock No. - Elevation 1937 Kelly Bushing Well Temperature 131 °F

| Point | | Pressure | | | Time Given | Time Computed |
|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 2378 | P.S.I. | Open Tool | 7:40A M | |
| B | First Initial Flow Pressure | 389 | P.S.I. | First Flow Pressure | 30 Mins. | 25 Mins. |
| C | First Final Flow Pressure | 571 | P.S.I. | Initial Closed-in Pressure | 90 Mins. | 90 Mins. |
| D | Initial Closed-in Pressure | 963 | 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 | 2327 | P.S.I. | | | |

## PRESSURE BREAKDOWN

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

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|---|---|---|---|---|---|---|---|
| P 1 | | 63 | 963 | | | | |
| P 2 | | 66 | 963 | | | | |
| P 3 | | 69 | 963 | | | | |
| P 4 | | 72 | 963 | | | | |
| P 5 | | 75 | 963 | | | | |
| P 6 | | 78 | 963 | | | | |
| P 7 | | 81 | 963 | | | | |
| P 8 | | 84 | 963 | | | | |
| P 9 | | 87 | 963 | | | | |
| P10 | | 90 | 963 | | | | |
| P11 | | | | | | | |
| P12 | | | | | | | |
| P13 | | | | | | | |
| P14 | | | | | | | |
| P15 | | | | | | | |
| P16 | | | | | | | |
| P17 | | | | | | | |
| P18 | | | | | | | |
| P19 | | | | | | | |
| P20 | | | | | | | |

13267
DST#

Rt #13709

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