

**WELL NAME**

Chaffee #1

**COMPANY**

Becker Oil Corporation

**LOCATION**

13-21s-21w

Hodgeman co Kansas

**DATE**

10/19/00

TRILOBITE TESTING L.L.C.

OPERATOR : Becker Oil Corporation  
 WELL NAME: Chaffee #1  
 LOCATION : 13-21s-21w Hodgeman co KS  
 INTERVAL : 2192.00 To 2230.00 ft

DATE 10-17-00  
 KB 2128.00 ft TICKET NO: 13048 DST #1  
 GR 2123.00 ft FORMATION: Krider  
 TD 2230.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

| Mins              | Field  | 1      | 2   | 3   | 4   | TIME DATA-----         |
|-------------------|--------|--------|-----|-----|-----|------------------------|
| PF 20 Rec.        | 13339  | 13339  |     |     |     | PF Fr. 1255 to 1315 hr |
| SI 40 Range(Psi ) | 4000.0 | 4000.0 | 0.0 | 0.0 | 0.0 | IS Fr. 1315 to 1355 hr |
| SF 50 Clock(hrs)  | 12     | 12     |     |     |     | SF Fr. 1355 to 1445 hr |
| FS 75 Depth(ft )  | 2220.0 | 2220.0 | 0.0 | 0.0 | 0.0 | FS Fr. 1445 to 1600 hr |

|                | Field  | 1      | 2   | 3   | 4   |                               |
|----------------|--------|--------|-----|-----|-----|-------------------------------|
| A. Init Hydro  | 1371.0 | 1414.0 | 0.0 | 0.0 | 0.0 | T STARTED 1115 hr             |
| B. First Flow  | 62.0   | 105.0  | 0.0 | 0.0 | 0.0 | T ON BOTM 1250 hr             |
| B1. Final Flow | 62.0   | 88.0   | 0.0 | 0.0 | 0.0 | T OPEN 1255 hr                |
| C. In Shut-in  | 499.0  | 506.0  | 0.0 | 0.0 | 0.0 | T PULLED 1600 hr              |
| D. Init Flow   | 72.0   | 119.0  | 0.0 | 0.0 | 0.0 | T OUT 1815 hr                 |
| E. Final Flow  | 72.0   | 79.0   | 0.0 | 0.0 | 0.0 |                               |
| F. Fl Shut-in  | 609.0  | 598.0  | 0.0 | 0.0 | 0.0 | TOOL DATA-----                |
| G. Final Hydro | 1301.0 | 1344.0 | 0.0 | 0.0 | 0.0 | Tool Wt. 1800.00 lbs          |
| Inside/Outside | I      | I      |     |     |     | Wt Set On Packer 30000.00 lbs |
|                |        |        |     |     |     | Wt Pulled Loose 50000.00 lbs  |
|                |        |        |     |     |     | Initial Str Wt 44000.00 lbs   |
|                |        |        |     |     |     | Unseated Str Wt 44000.00 lbs  |
|                |        |        |     |     |     | Bot Choke 0.75 in             |
|                |        |        |     |     |     | Hole Size 7.78 in             |
|                |        |        |     |     |     | D Col. ID 2.25 in             |
|                |        |        |     |     |     | D. Pipe ID 3.80 in            |
|                |        |        |     |     |     | D.C. Length 624.00 ft         |
|                |        |        |     |     |     | D.P. Length 1555.00 ft        |

RECOVERY

Tot Fluid 100.00 ft of 100.00 ft in DC and 0.00 ft in DP  
 100.00 ft of Drilling mud  
 0.00 ft of 100% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Fair to strong blow off bottom in 3 minutes.  
 Initial Shut-In:  
 Very weak surface blow throughout  
 Final Flow:  
 Strong blow gauged 13.0 mcf/day  
 Final shut-In:  
 No return blow.

SAMPLES:

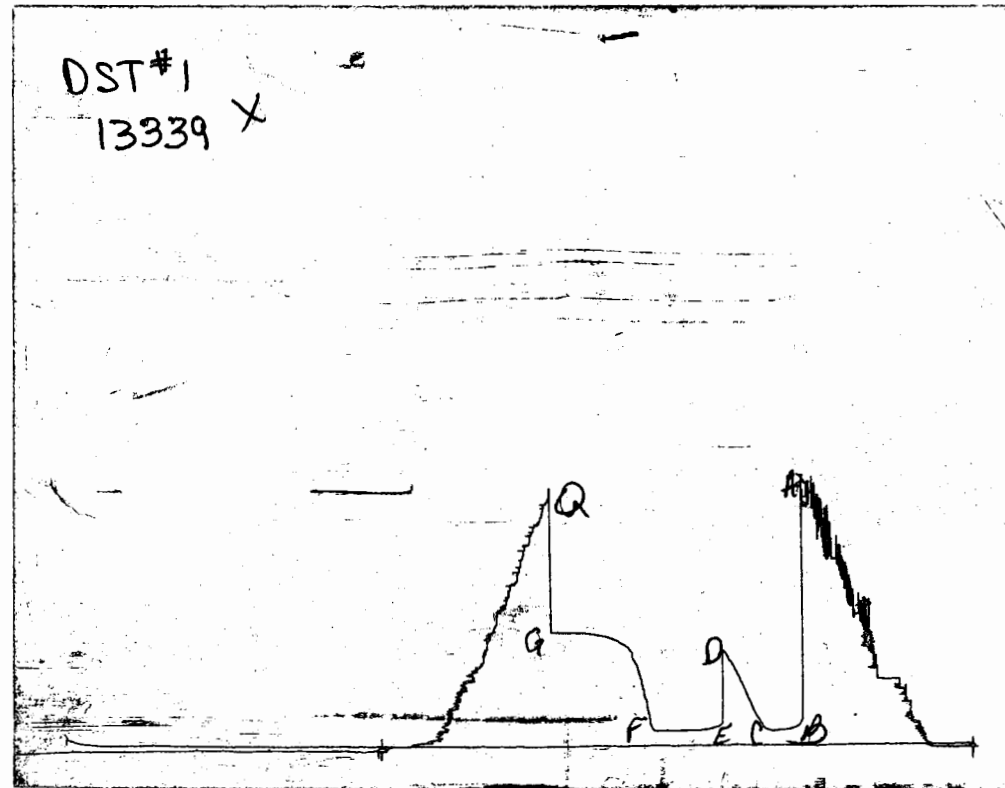
SENT TO:

MUD DATA-----

| Mud Type       | Chemical       |
|----------------|----------------|
| Weight         | 10.80 lb/c     |
| Vis.           | 48.00 S/L      |
| W.L.           | 13.80 in3      |
| F.C.           | 0.00 in        |
| Mud Drop       |                |
| Amt. of fill   | 0.00 ft        |
| Btm. H. Temp.  | 105.00 F       |
| Hole Condition |                |
| % Porosity     | 0.00           |
| Packer Size    | 6.75 in        |
| No. of Packers | 2              |
| Cushion Amt.   | 0.00           |
| Cushion Type   |                |
| Reversed Out   |                |
| Tool Chased    |                |
| Tester         | Rod Steinbrink |
| Co. Rep.       | Clyde Becker   |
| Contr.         | Cheyenne       |
| Rig #          | 8              |
| Unit #         |                |
| Pump T.        |                |

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13048

## Test Ticket

|   |                                       |  |
|---|---------------------------------------|--|
| Well Name & No. <u>Chaffee #1</u>                       | Test No. <u>1</u>                     | Date <u>10-17-00</u>                                     |
| Company <u>Becker Oil Corporation</u>                   | Zone Tested <u>Krider</u>             |  |
| Address <u>122 E. Grand Ste 212 Ponca City OK 74601</u> | Elevation <u>2128</u>                 | KB <u>2123</u> GL  |
| Co. Rep / Geo. <u>Nlyde Becker</u>                      | Cont. <u>Cheyenne #8</u>              | Est. Ft. of Pay <u>    </u> Por. <u>    </u> %           |
| Location: Sec. <u>13</u> Twp. <u>21<sup>S</sup></u>     | Rge. <u>21<sup>W</sup></u>            | Co. <u>Hodgeman</u> State <u>KS</u>                      |
| No. of Copies <u>    </u>                               | Distribution Sheet (Y, N) <u>    </u> | Turnkey (Y, N) <u>    </u> Evaluation (Y, N) <u>    </u> |

|   |                                    |  |
|---|------------------------------------|--|
| Interval Tested <u>2192 - 2230</u>                                  | Initial Str Wt./Lbs. <u>44,000</u> | Unseated Str Wt./Lbs. <u>44,000</u>    |
| Anchor Length <u>38'</u>  | Wt. Set Lbs. <u>30,000</u>         | Wt. Pulled Loose/Lbs. <u>50,000</u>    |
| Top Packer Depth <u>2187</u>  | Tool Weight <u>1,800</u>           |  |
| Bottom Packer Depth <u>2192</u>                                     | Hole Size — <u>7 7/8"</u>          | Rubber Size — <u>6 3/4"</u>            |
| Total Depth <u>2230</u>   | Wt. Pipe Run <u>    </u>           | Drill Collar Run <u>H-90 624' (11)</u> |
| Mud Wt. <u>10.8</u> LCM <u>1#</u> Vis. <u>48</u> WL <u>13.8</u>     | Drill Pipe Size <u>4 1/2" XH</u>   | Ft. Run <u>1555' (25)</u>              |
| Blow Description <u>IF: Fair to strong blow off bttm in 3 mins.</u> |                                    |  |
| <u>ISI: Very weak surface blow throughout.</u>                      |                                    |  |
| <u>FF: Strong blow gauged 13.0 mcf/day</u>                          |                                    |  |
| <u>FSI: No return blow.</u>   |                                    |  |

|   |                                    |                                     |                       |
|---|------------------------------------|-------------------------------------|-----------------------|
| Recovery — Total Feet <u>100'</u>       | GIP <u>GTS</u>                     | Ft. in DC <u>100'</u>               | Ft. in DP <u>    </u> |
| Rec. <u>    </u> Feet Of <u>    </u>    | %gas <u>    </u> %oil <u>    </u>  | %water <u>    </u> %mud <u>    </u> |                       |
| Rec. <u>    </u> Feet Of <u>    </u>    | %gas <u>    </u> %oil <u>    </u>  | %water <u>    </u> %mud <u>    </u> |                       |
| Rec. <u>    </u> Feet Of <u>    </u>    | %gas <u>    </u> %oil <u>    </u>  | %water <u>    </u> %mud <u>    </u> |                       |
| Rec. <u>100'</u> Feet Of <u>Ddg Mud</u> | %gas <u>    </u> %oil <u>    </u>  | %water <u>    </u> %mud <u>    </u> |                       |
| Rec. <u>    </u> Feet Of <u>    </u>    | %gas <u>    </u> %oil <u>    </u>  | %water <u>    </u> %mud <u>    </u> |                       |
| BHT <u>105°</u> °F Gravity <u>    </u>  | °API D@ <u>    </u>                | °F Corrected Gravity <u>    </u>    | °API <u>    </u>      |
| RW <u>    </u> @ <u>    </u> °F         | Chlorides <u>    </u> ppm Recovery | Chlorides <u>63,000</u> ppm System  |                       |

|                                  | AK-1        | Alpine |                                |                            |
|----------------------------------|-------------|--------|--------------------------------|----------------------------|
| (A) Initial Hydrostatic Mud      | <u>1371</u> |        | PSI Recorder No. <u>13339</u>  | T-On Location <u>1015</u>  |
| (B) First Initial Flow Pressure  | <u>62</u>   |        | PSI (depth) <u>2220</u>        | T-Started <u>1115</u>      |
| (C) First Final Flow Pressure    | <u>62</u>   |        | PSI Recorder No. <u>13309</u>  | T-Open <u>1255</u>         |
| (D) Initial Shut-In Pressure     | <u>499</u>  |        | PSI (depth) <u>2225</u>        | T-Pulled <u>1600</u>       |
| (E) Second Initial Flow Pressure | <u>72</u>   |        | PSI Recorder No. <u>    </u>   | T-Out <u>1815</u>          |
| (F) Second Final Flow Pressure   | <u>72</u>   |        | PSI (depth) <u>    </u>        | T-Off Location <u>1845</u> |
| (G) Final Shut-in Pressure       | <u>609</u>  |        | PSI Initial Opening <u>20</u>  | Test <u>650</u>            |
| (Q) Final Hydrostatic Mud        | <u>1301</u> |        | PSI Initial Shut-in <u>480</u> | Jars <u>    </u>           |
|                                  |             |        | Final Flow <u>50</u>           | Safety Joint <u>    </u>   |
|                                  |             |        | Final Shut-in <u>75</u>        | Straddle <u>    </u>       |
|                                  |             |        |                                | Circ. Sub <u>    </u>      |
|                                  |             |        |                                | Sampler <u>    </u>        |
|                                  |             |        |                                | Extra Packer <u>    </u>   |
|                                  |             |        |                                | Elec. Rec. <u>    </u>     |
|                                  |             |        |                                | Mileage <u>89 mi 89</u>    |
|                                  |             |        |                                | Other <u>    </u>          |
|                                  |             |        |                                | TOTAL PRICE \$ <u>739</u>  |

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Approved By *Nlyde M. Becker*  
 Our Representative Rod Steinbrink

1.00  
1.00

# NATURAL GAS ANALYSIS REPORT

Sampled by:  
 Trilobite Testing, L. L. C.  
 Hays, Kansas  
 Scott City, Kansas  
 Phone: 800-728-5369  
 Fax: 913-625-5620

Analyzed by:  
 Caraway Analytical, Inc  
 P. O. Box 2137  
 Liberal, Kansas 67905  
 Phone: 316-624-5389  
 Fax: 316-626-7108

|                             |                           |
|-----------------------------|---------------------------|
| <b>Lab Number:</b> 20005632 | <b>Analyzed:</b> 10/20/00 |
|-----------------------------|---------------------------|

|                               |              |
|-------------------------------|--------------|
| Sample From: Chaffee #1 DST 1 | Pressure:    |
| Producer: Becker Oil Corp     | Temperature: |

|                       |                  |
|-----------------------|------------------|
| <b>Date:</b> 13-21-21 | <b>Location:</b> |
|-----------------------|------------------|

|          |            |          |
|----------|------------|----------|
| Time:    | County:    | Hodgeman |
| Sampler: | State:     | Kansas   |
| Source:  | Formation: | Krider   |

|                | Mole %     | GPM   |
|----------------|------------|-------|
| Helium         | He: 1.154  | 0.000 |
| Hydrogen       | H2: 0.008  | 0.000 |
| Oxygen         | O2: 0.000  | 0.000 |
| Nitrogen       | N2: 33.920 | 0.000 |
| Carbon Dioxide | CO2: 0.048 | 0.000 |
| Methane        | C1: 64.201 | 0.000 |
| Ethane         | C2: 0.540  | 0.144 |
| Propane        | C3: 0.065  | 0.018 |
| Iso Butane     | iC4: 0.005 | 0.002 |
| Normal Butane  | nC4: 0.007 | 0.002 |
| Iso Pentane    | iC5: 0.003 | 0.001 |
| Normal Pentane | nC5: 0.005 | 0.002 |
| Hexanes Plus   | C6+: 0.044 | 0.019 |

TOTAL: 100.000    0.188

Z Fact: 0.9988

SP.GR.: 0.6956

BTU (SAT): 653.3 @ 14.73 psia  
 BTU (DRY): 664.9 @ 14.73 psia  
 OCTANE RATING: 84.1

COMMENTS:

0.000

TRILOBITE TESTING L.L.C.

OPERATOR : Becker Oil Corporation  
 WELL NAME: Chaffee #1  
 LOCATION : 13-21s-21w Hodgeman co KS  
 INTERVAL : 2253.00 To 2291.00 ft

DATE 10-18-00

KB 2128.00 ft TICKET NO: 13049 DST #2  
 GR 2123.00 ft FORMATION: Winfield  
 TD 2291.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

| Mins              | Field  | 1      | 2   | 3   | 4   | TIME DATA-----         |
|-------------------|--------|--------|-----|-----|-----|------------------------|
| PF 20 Rec.        | 13339  | 13339  |     |     |     | PF Fr. 0325 to 0345 hr |
| SI 40 Range(Psi ) | 4000.0 | 4000.0 | 0.0 | 0.0 | 0.0 | IS Fr. 0345 to 0425 hr |
| SF 50 Clock(hrs)  | 12     | 12     |     |     |     | SF Fr. 0425 to 0505 hr |
| FS 75 Depth(ft )  | 2281.0 | 2281.0 | 0.0 | 0.0 | 0.0 | FS Fr. 0505 to 0605 hr |

|                | Field  | 1      | 2   | 3   | 4   |                               |
|----------------|--------|--------|-----|-----|-----|-------------------------------|
| A. Init Hydro  | 1301.0 | 1299.0 | 0.0 | 0.0 | 0.0 | T STARTED 0115 hr             |
| B. First Flow  | 104.0  | 126.0  | 0.0 | 0.0 | 0.0 | T ON BOTM 0320 hr             |
| B1. Final Flow | 104.0  | 103.0  | 0.0 | 0.0 | 0.0 | T OPEN 0325 hr                |
| C. In Shut-in  | 589.0  | 593.0  | 0.0 | 0.0 | 0.0 | T PULLED 0605 hr              |
| D. Init Flow   | 135.0  | 163.0  | 0.0 | 0.0 | 0.0 | T OUT 0845 hr                 |
| E. Final Flow  | 135.0  | 142.0  | 0.0 | 0.0 | 0.0 |                               |
| F. Fl Shut-in  | 619.0  | 623.0  | 0.0 | 0.0 | 0.0 | TOOL DATA-----                |
| G. Final Hydro | 1281.0 | 1285.0 | 0.0 | 0.0 | 0.0 | Tool Wt. 1800.00 lbs          |
| Inside/Outside | I      | I      |     |     |     | Wt Set On Packer 30000.00 lbs |
|                |        |        |     |     |     | Wt Pulled Loose 50000.00 lbs  |
|                |        |        |     |     |     | Initial Str Wt 44000.00 lbs   |
|                |        |        |     |     |     | Unseated Str Wt 44000.00 lbs  |
|                |        |        |     |     |     | Bot Choke 0.75 in             |
|                |        |        |     |     |     | Hole Size 7.78 in             |
|                |        |        |     |     |     | D Col. ID 2.25 in             |
|                |        |        |     |     |     | D. Pipe ID 3.80 in            |
|                |        |        |     |     |     | D.C. Length 624.00 ft         |
|                |        |        |     |     |     | D.P. Length 1616.00 ft        |

RECOVERY

Tot Fluid 240.00 ft of 240.00 ft in DC and 0.00 ft in DP  
 240.00 ft of Water cut mud  
 0.00 ft of 20% water 80% mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 70000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:  
 Fair to strong blow off bottom in 2 minutes.  
 Initial Shut-In:  
 Gas to surface while bleeding offblow  
 Final Flow:  
 Strong blow gauged 28.7 mcf/day

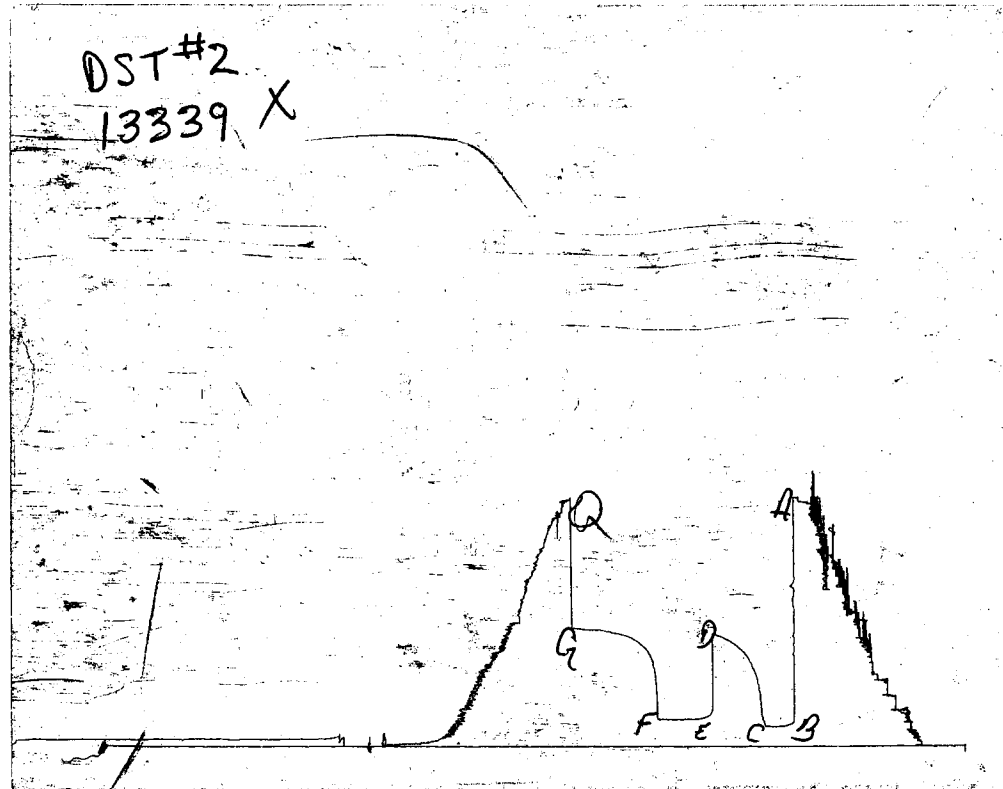
SAMPLES:  
 SENT TO:

MUD DATA-----

| Mud Type       | Chemical       |
|----------------|----------------|
| Weight         | 10.80 lb/c:    |
| Vis.           | 48.00 S/L      |
| W.L.           | 13.80 in3      |
| F.C.           | 0.00 in        |
| Mud Drop       |                |
| Amt. of fill   | 0.00 ft        |
| Btm. H. Temp.  | 110.00 F       |
| Hole Condition |                |
| % Porosity     | 0.00           |
| Packer Size    | 6.75 in        |
| No. of Packers | 2              |
| Cushion Amt.   | 0.00           |
| Cushion Type   |                |
| Reversed Out   |                |
| Tool Chased    |                |
| Tester         | Rod Steinbrink |
| Co. Rep.       | Clyde Becker   |
| Contr.         | Cheyenne       |
| Rig #          | 8              |
| Unit #         |                |
| Pump T.        |                |

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

No 13049

## Test Ticket

Well Name & No. Chaffee #1 Test No. 2 Date 10-18-00  
Company Becker Oil Corporation Zone Tested Winfield  
Address 122 E Grand Ste 212 Ponca City OK 74601 Elevation 2128 KB 2123 GL  
Co. Rep / Geo. Clyde Becker Cont. Cheyenne #8 Est. Ft. of Pay      Por.      %  
Location: Sec. 13 Twp. 21<sup>S</sup> Rge. 21<sup>W</sup> Co. Hodgeman State KS  
No. of Copies      Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 2253 - 2291 Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 44,000  
Anchor Length 38' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 50,000  
Top Packer Depth 2248 Tool Weight 1,800  
Bottom Packer Depth 2253 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
Total Depth 2291 Wt. Pipe Run      Drill Collar Run H-90 624' (11)  
Mud Wt. 10.8 LCM      Vis. 4.88 WL 13.8 Drill Pipe Size 4 1/2" XH Ft. Run 1616' (26)  
Blow Description IF: Strong blow off btm in 2 mins  
IS1: GTS white bleeding off blow.  
FF: Strong return gauged 28.7 mcf/day @ final

Recovery — Total Feet 240' GIP GTS & IS1 Ft. in DC 240' Ft. in DP       
Rec.      Feet Of      %gas      %oil      %water      %mud       
Rec.      Feet Of      %gas      %oil      %water      %mud       
Rec. 240' Feet Of      %gas      %oil 20 %water 80 %mud       
Rec.      Feet Of      %gas      %oil      %water      %mud       
Rec.      Feet Of      %gas      %oil      %water      %mud       
BHT 110° °F Gravity      °API D@      °F Corrected Gravity      °API       
RW .10 @ 80° °F Chlorides 70,000 ppm Recovery Chlorides 63,000 ppm System

|                                  | AK-1        | Alpine | PSI Recorder No. | T-On Location            |
|----------------------------------|-------------|--------|------------------|--------------------------|
| (A) Initial Hydrostatic Mud      | <u>1301</u> | /      | <u>13339</u>     | <u>2330</u>              |
| (B) First Initial Flow Pressure  | <u>104</u>  | /      | <u>2281</u>      | <u>0115</u>              |
| (C) First Final Flow Pressure    | <u>104</u>  | /      | <u>13309</u>     | <u>0325</u>              |
| (D) Initial Shut-In Pressure     | <u>589</u>  | /      | <u>2286</u>      | <u>0605</u>              |
| (E) Second Initial Flow Pressure | <u>135</u>  | /      | <u>    </u>      | <u>0845</u>              |
| (F) Second Final Flow Pressure   | <u>135</u>  | /      | <u>    </u>      | <u>0930</u>              |
| (G) Final Shut-in Pressure       | <u>619</u>  | /      | <u>20</u>        | Test <u>X</u> <u>650</u> |
| (Q) Final Hydrostatic Mud        | <u>1281</u> | /      | <u>40</u>        | Jars <u>    </u>         |

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF 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, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Clyde M Becker  
Our Representative Rod Steinbrink

Final Flow 40 Safety Joint       
Final Shut-in 60 Straddle       
     Circ. Sub       
     Sampler       
     Extra Packer       
     Elec. Rec.       
Mileage 89  
Other 1 hr 30  
TOTAL PRICE \$ 769  
Copies 2 10 779

Distribution List

Becker Oil Corp  
#1 Kautz

so for #1 Shortridge, #1 Chaffee, #2 Burrieklow  
copies

Clyde M Becker  
122 E Grand  
Suite 212  
Ponca City, OK 74601

2

Clyde M Becker, Jr  
1641 California St  
Suite 410  
Denver, CO 80202

1

Doug Brown  
2040 Milford Ln  
Garden City, KS 67846

1

Attn: Wray Valentine  
Cheyenne Dlg. Inc  
3728 Jones Ave  
Garden City, KS 67846

1

Attn: A.S. Jacques  
Bobby Valentine  
Cheyenne Dlg, Inc  
P.O. Box 1085  
Woodward, OK. 73802

1

Attn: Jack Hill  
~~Don~~ Don Bruttain  
Katiebell, Inc  
15550 Wayzata Blvd.  
Suite 626  
Wayzata, MN 55391

1

---

Total 7

# NATURAL GAS ANALYSIS REPORT

Sampled by:  
 Trilobite Testing, L. L. C.  
 Hays, Kansas  
 Scott City, Kansas  
 Phone: 800-728-5369  
 Fax: 913-625-5620

Analyzed by:  
 Caraway Analytical, Inc  
 P. O. Box 2137  
 Liberal, Kansas 67905  
 Phone: 316-624-5389  
 Fax: 316-626-7108

|                             |                           |
|-----------------------------|---------------------------|
| <b>Lab Number:</b> 20005633 | <b>Analyzed:</b> 10/20/00 |
|-----------------------------|---------------------------|

|                               |              |  |
|-------------------------------|--------------|--|
| Sample From: Chaffee #1 DST 2 | Pressure:    |  |
| Producer: Becker Oil Corp     | Temperature: |  |

|                       |                  |
|-----------------------|------------------|
| <b>Date:</b> 13-21-21 | <b>Location:</b> |
|-----------------------|------------------|

|          |                     |  |
|----------|---------------------|--|
| Time:    | County: Hodgeman    |  |
| Sampler: | State: Kansas       |  |
| Source:  | Formation: Winfield |  |

|                | Mole %     | GPM   |
|----------------|------------|-------|
| Helium         | He: 0.781  | 0.000 |
| Hydrogen       | H2: 0.000  | 0.000 |
| Oxygen         | O2: 2.642  | 0.000 |
| Nitrogen       | N2: 39.155 | 0.000 |
| Carbon Dioxide | CO2: 0.056 | 0.000 |
| Methane        | C1: 56.749 | 0.000 |
| Ethane         | C2: 0.502  | 0.134 |
| Propane        | C3: 0.055  | 0.015 |
| Iso Butane     | iC4: 0.004 | 0.001 |
| Normal Butane  | nC4: 0.004 | 0.001 |
| Iso Pentane    | iC5: 0.002 | 0.001 |
| Normal Pentane | nC5: 0.004 | 0.001 |
| Hexanes Plus   | C6+: 0.046 | 0.020 |

TOTAL: 100.000    0.174

Z Fact: 0.9989

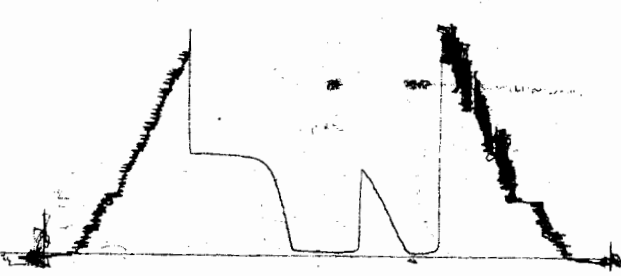
SP.GR.: 0.7331

BTU (SAT): 578.0 @ 14.73 psia  
 BTU (DRY): 588.3 @ 14.73 psia  
 OCTANE RATING: 74.4

COMMENTS:

2.642

DST#1  
13309

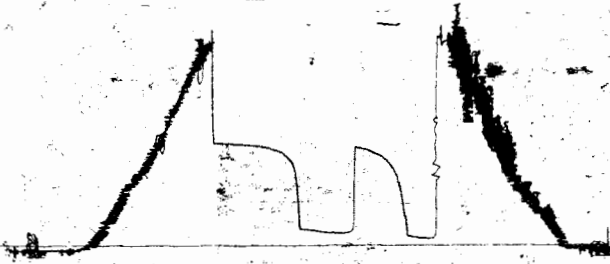


Well Name Crabber  
DST Number 1  
Recorder Number 13339

|    |              |             |
|----|--------------|-------------|
| A: | <u>1.393</u> | <u>1414</u> |
| B: | <u>101</u>   | <u>105</u>  |
| C: | <u>085</u>   | <u>88</u>   |
| D: | <u>487</u>   | <u>500</u>  |
| E: | <u>115</u>   | <u>119</u>  |
| F: | <u>076</u>   | <u>79</u>   |
| G: | <u>579</u>   | <u>598</u>  |
| Q: | <u>1.323</u> | <u>1344</u> |

DST #2

13309



Well Name Chapple

DST Number 2606

Recorder Number 13339

A: 1278      1299

B: 122      126

C: 099      103

D: 574      593

E: 157      163

F: 137      142

G: 604      623

Q: 1264      1285