

15-155-21442

19-23s-8w

TRILOBITE TESTING L.L.C.

OPERATOR : Honey Oil Company DATE 5-23-00  
 WELL NAME: McGonigle #1 KB 1685.00 ft TICKET NO: 12841 DST #1  
 LOCATION : 19-23s-8w Reno co KS GR 1677.00 ft FORMATION: Conglomerate  
 INTERVAL : 3675.00 To 3725.00 ft TD 3725.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

| Mins              | Field  | 1      | 2      | 3   | 4   | TIME DATA-----         |
|-------------------|--------|--------|--------|-----|-----|------------------------|
| PF 30 Rec.        | 10991  | 10991  | 2350   |     |     | PF Fr. 1454 to 1524 hr |
| SI 30 Range(Psi ) | 4200.0 | 4200.0 | 4995.0 | 0.0 | 0.0 | IS Fr. 1524 to 1554 hr |
| SF 60 Clock(hrs)  | 12 hr  | 12 hr  | Elect  |     |     | SF Fr. 1554 to 1654 hr |
| FS 60 Depth(ft )  | 3722.0 | 3722.0 | 3681.0 | 0.0 | 0.0 | FS Fr. 1654 to 1754 hr |

|                | Field  | 1      | 2      | 3   | 4   |                              |
|----------------|--------|--------|--------|-----|-----|------------------------------|
| A. Init Hydro  | 1788.0 | 1791.0 | 1798.0 | 0.0 | 0.0 | T STARTED 1315 hr            |
| B. First Flow  | 53.0   | 57.0   | 43.0   | 0.0 | 0.0 | T ON BOTM 1450 hr            |
| B1. Final Flow | 53.0   | 52.0   | 84.0   | 0.0 | 0.0 | T OPEN 1454 hr               |
| C. In Shut-in  | 1130.0 | 1133.0 | 1157.0 | 0.0 | 0.0 | T PULLED 1754 hr             |
| D. Init Flow   | 85.0   | 87.0   | 77.0   | 0.0 | 0.0 | T OUT 1930 hr                |
| E. Final Flow  | 117.0  | 113.0  | 140.0  | 0.0 | 0.0 |                              |
| F. Fl Shut-in  | 1162.0 | 1147.0 | 1180.0 | 0.0 | 0.0 | TOOL DATA-----               |
| G. Final Hydro | 1776.0 | 1744.0 | 1774.0 | 0.0 | 0.0 | Tool Wt. 2100.00 lbs         |
| Inside/Outside | 0      | 0      | I      |     |     | Wt Set On Packer 2000.00 lbs |
|                |        |        |        |     |     | Wt Pulled Loose 55000.00 lbs |
|                |        |        |        |     |     | Initial Str Wt 39000.00 lbs  |
|                |        |        |        |     |     | Unseated Str Wt 40000.00 lbs |
|                |        |        |        |     |     | Bot Choke 0.75 in            |
|                |        |        |        |     |     | Hole Size 7.80 in            |
|                |        |        |        |     |     | D Col. ID 2.25 in            |
|                |        |        |        |     |     | D. Pipe ID 3.80 in           |
|                |        |        |        |     |     | D.C. Length 0.00 ft          |
|                |        |        |        |     |     | D.P. Length 3690.00 ft       |

RECOVERY

Tot Fluid 395.00 ft of 0.00 ft in DC and 395.00 ft in DP  
 3265.00 ft of Gas in pipe  
 120.00 ft of Oil & Gas cut mud  
 0.00 ft of 30% gas 10% oil 60% mud  
 275.00 ft of Heavy Oil & gas cut mud  
 0.00 ft of 40% gas 25% oil 35% mud  
 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:  
 Strong blow - bottom of bucket in 50 seconds Gas to surface in 18 minutes.  
 Initial Shutin:  
 Bled down for 10 minutes.  
 No blow back.  
 Final Flow:  
 Strong blow - bottom of bucket in 15 seconds - gauged gas  
 Final Shutin:  
 Bled down for 5 minutes  
 built back to bottom of bucket in 2 minutes

SAMPLES:

SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.20 lb/cf  
 Vis. 47.00 S/L  
 W.L. 9.60 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 1140.00 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 Darren Amerine  
 Co. Rep. Joe Baker  
 Contr. Duke  
 Rig # 2  
 Unit #  
 Pump T.

Test Successful: Y



# 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

Sample From: McGonigle 1 DST 1  
Producer: Honey Oil Co.

Pressure:  
Temperature:

Time:  
Sampler:  
Source:

County: Reno  
State: Kansas  
Formation:

Conglomerate

|                | Mole %     | GPM   |
|----------------|------------|-------|
| Helium         | He: 0.480  | 0.000 |
| Hydrogen       | H2: 0.000  | 0.000 |
| Oxygen         | O2: 0.124  | 0.000 |
| Nitrogen       | N2: 12.323 | 0.000 |
| Carbon Dioxide | CO2: 0.021 | 0.000 |
| Methane        | C1: 51.000 | 0.000 |
| Ethane         | C2: 11.734 | 3.138 |
| Propane        | C3: 12.482 | 3.439 |
| Iso Butane     | iC4: 1.969 | 0.644 |
| Normal Butane  | nC4: 4.986 | 1.572 |
| Iso Pentane    | iC5: 1.209 | 0.442 |
| Normal Pentane | nC5: 1.549 | 0.561 |
| Hexanes Plus   | C6+: 2.123 | 0.926 |

**TOTAL: 100.000 10.723**

Z Fact: 0.9941

SP.GR.: 0.9988

BTU (SAT): 1469.1 @ 14.73 psia

BTU (DRY): 1495.1 @ 14.73 psia

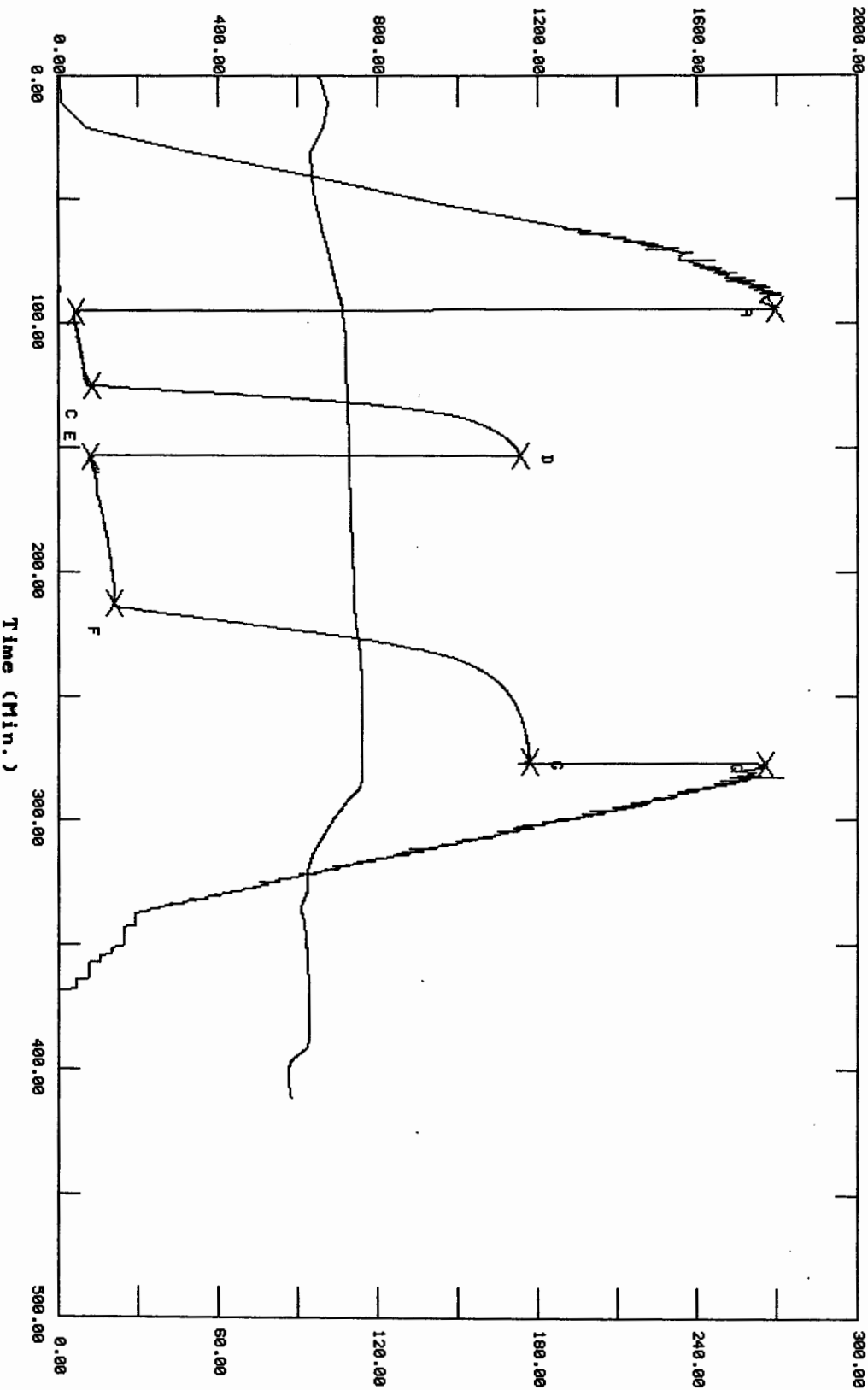
**OCTANE RATING: 99.2**

COMMENTS:

0.124

# TEST HISTORY

TK#12841 DST#1 McGonigle #1 Honey Oil

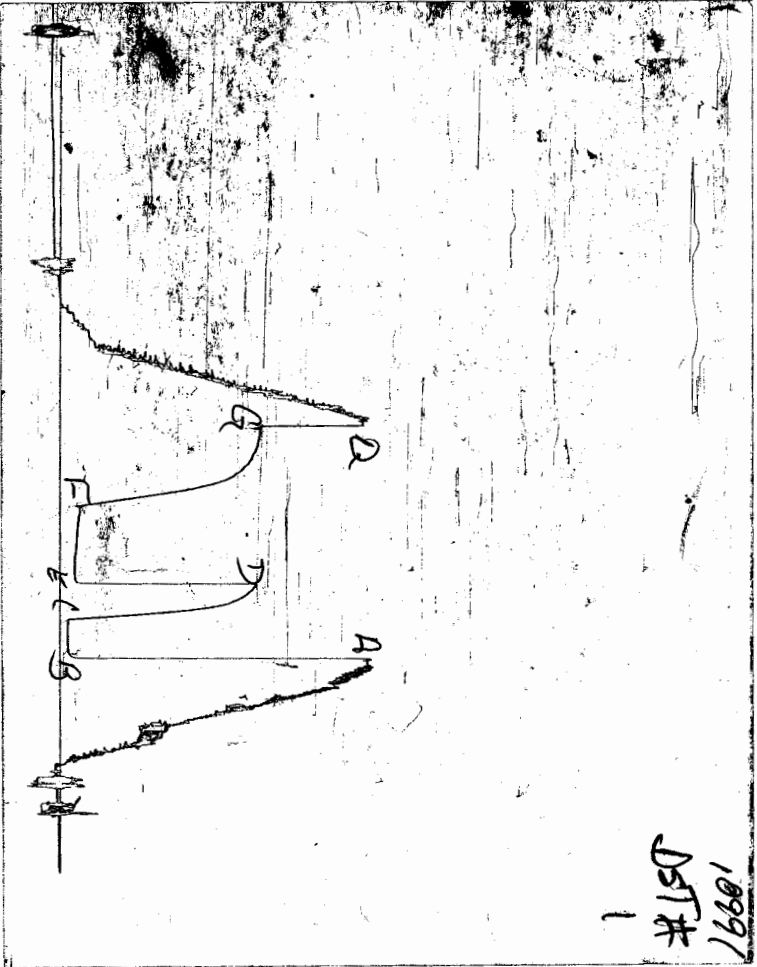


Flag Points

| Time (Min.) | Pressure (PSig) |
|-------------|-----------------|
| A: 0.00     | 1798.31         |
| B: 0.00     | 42.63           |
| C: 29.75    | 83.58           |
| D: 27.75    | 1156.52         |
| E: 0.00     | 76.87           |
| F: 59.00    | 140.03          |
| G: 63.50    | 1179.76         |
| Q: 0.00     | 1774.31         |

Temperature (DEG F)

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

## Test Ticket

№ 12841

|   |                                    |   |                                 |
|---|------------------------------------|---|---------------------------------|
| Well Name & No. <u>Mc Donigle #1</u>            |                                    | Test No. <u>#1</u>                      | Date <u>05/23/2000</u>          |
| Company <u>Honey Oil</u>                        |                                    | Zone Tested <u>(Conglomerate)</u>       |                                 |
| Address <u>8526 Borthorne, Wichita KS 67226</u> |                                    | Elevation <u>1685</u> KB <u>1677</u> GL |                                 |
| Co. Rep / Geo. <u>Joe Baker</u>                 | Cont. <u>Duke #2</u>               | Est. Ft. of Pay                         | Por. %                          |
| Location: Sec. <u>19</u>                        | Twp. <u>23<sup>s</sup></u>         | Rge. <u>8<sup>w</sup></u>               | Co. <u>Bevo</u> State <u>Ks</u> |
| No. of Copies <u>5</u>                          | Distribution Sheet (Y, N) <u>—</u> | Turnkey (Y, N) <u>—</u>                 | Evaluation (Y, N) <u>—</u>      |

|   |                                  |                                    |
|---|----------------------------------|------------------------------------|
| Interval Tested <u>3675' - 3725'</u>                                      | Initial Str Wt./Lbs. <u>3900</u> | Unseated Str Wt./Lbs. <u>40000</u> |
| Anchor Length <u>50'</u>  | Wt. Set Lbs. <u>2000</u>         | Wt. Pulled Loose/Lbs. <u>55000</u> |
| Top Packer Depth <u>3670'</u>   | Tool Weight <u>2100</u>          |                                    |
| Bottom Packer Depth <u>3675'</u>  | Hole Size — 7 7/8" <u>✓</u>      | Rubber Size — 6 3/4" <u>✓</u>      |
| Total Depth <u>3725'</u>  | Wt. Pipe Run <u>N/A</u>          | Drill Collar Run <u>N/A</u>        |
| Mud Wt. <u>9.2</u> LCM <u>1<sup>st</sup></u> Vis. <u>47</u> WL <u>9.6</u> | Drill Pipe Size <u>4 1/2 KH</u>  | Ft. Run <u>3690</u>                |

Blow Description FF Strong blow bob in 50 sec GTS in 18 min Gauge Bad  
FSI: Bled down for 10 mins no blow back.  
FF: Strong blow bob in 15 sec Gauge Bad  
FSI: Bled down for 5 mins built back to bob in 2 mins.

|   |                  |                      |                                 |
|---|------------------|----------------------|---------------------------------|
| Recovery — Total Feet <u>395'</u>             | GIP <u>3265'</u> | Ft. in DC <u>N/A</u> | Ft. in DP <u>395'</u>           |
| Rec. <u>120'</u> Feet Of <u>0.6CM</u>         | <u>30</u> %gas   | <u>10</u> %oil       | <u>60</u> %water <u>60</u> %mud |
| Rec. <u>275'</u> Feet Of <u>10.6CM</u>        | <u>40</u> %gas   | <u>25</u> %oil       | <u>35</u> %water <u>35</u> %mud |
| Rec. <u>3265'</u> Feet Of <u>Gas Tap pipe</u> | %gas             | %oil                 | %water %mud                     |
| Rec. _____ Feet Of _____                      | %gas             | %oil                 | %water %mud                     |
| Rec. _____ Feet Of _____                      | %gas             | %oil                 | %water %mud                     |

BHT 114° °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 6600 ppm System

|                                  |                  |                    |                               |                            |
|----------------------------------|------------------|--------------------|-------------------------------|----------------------------|
| (A) Initial Hydrostatic Mud      | AK-1 <u>1788</u> | Alpine <u>1798</u> | PSI Recorder No. <u>2350</u>  | T-On Location <u>1215</u>  |
| (B) First Initial Flow Pressure  | <u>53</u>        | <u>43</u>          | PSI (depth) <u>3681'</u>      | T-Started <u>1315</u>      |
| (C) First Final Flow Pressure    | <u>53</u>        | <u>84</u>          | PSI Recorder No. <u>10991</u> | T-Open <u>1454</u>         |
| (D) Initial Shut-In Pressure     | <u>1130</u>      | <u>1157</u>        | PSI (depth) <u>3722</u>       | T-Pulled <u>1754</u>       |
| (E) Second Initial Flow Pressure | <u>85</u>        | <u>77</u>          | PSI Recorder No. _____        | T-Out <u>1950</u>          |
| (F) Second Final Flow Pressure   | <u>117</u>       | <u>140</u>         | PSI (depth) _____             | T-Off Location <u>2045</u> |
| (G) Final Shut-in Pressure       | <u>1162</u>      | <u>1180</u>        | PSI Initial Opening <u>30</u> | Test <u>✓ 600</u>          |
| (Q) Final Hydrostatic Mud        | <u>1776</u>      | <u>1774</u>        | PSI Initial Shut-in <u>30</u> | Jars _____                 |

|                         |                           |
|-------------------------|---------------------------|
| Final Flow <u>60</u>    | Safety Joint _____        |
| Final Shut-in <u>60</u> | Straddle _____            |
| _____                   | Circ. Sub _____           |
| _____                   | Sampler _____             |
| _____                   | Extra Packer _____        |
| _____                   | Elec. Rec. <u>✓ 150</u>   |
| _____                   | Mileage _____             |
| _____                   | Other _____               |
| _____                   | TOTAL PRICE \$ <u>750</u> |

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Approved By [Signature]  
 Our Representative Dawn Shreiner