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FROM CONFIDENTIAL

**ORIGINAL**

**KCC**

Well Name: Kriss #2-26

Company: Red Oak Energy Inc.

Location: 26-16s-42w

Greeley County Kansas

Date: 6-15-99

OCT 19 1999

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STATE CONSERVATION COMMISSION

OCT 21 1999

CONSERVATION DIVISION  
Wichita, Kansas

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N<sup>o</sup> 11920

## Test Ticket

|                 |                                                  |                           |                       |                 |                                                           |
|-----------------|--------------------------------------------------|---------------------------|-----------------------|-----------------|-----------------------------------------------------------|
| Well Name & No. | <u>Kriss #2-26</u>                               | Test No.                  | <u>1</u>              | Date            | <u>6-11-99</u>                                            |
| Company         | <u>Red Oak Energy Inc.</u>                       | Zone Tested               | <u>Lwr Morrow</u>     |                 |                                                           |
| Address         | <u>7701 E Kellogg Ste 710 Wichita, KS. 67207</u> | Elevation                 | <u>3789</u>           | KB              | <u>3780</u> GL                                            |
| Co. Rep / Geo.  | <u>Kevin Davis</u>                               | Cont.                     | <u>Murfin #25</u>     | Est. Ft. of Pay | <u>    </u> Por. <u>    </u> %                            |
| Location: Sec.  | <u>26</u>                                        | Twp.                      | <u>16<sup>S</sup></u> | Rge.            | <u>42<sup>W</sup></u> Co. <u>Greeley</u> State <u>KS.</u> |
| No. of Copies   | <u>Nml.</u>                                      | Distribution Sheet (Y, N) | <u>    </u>           | Turnkey (Y, N)  | <u>N</u> Evaluation (Y, N) <u>    </u>                    |

|                                                                                                                             |                                                       |                      |                  |                       |                    |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------|------------------|-----------------------|--------------------|
| Interval Tested                                                                                                             | <u>5045 - 5060</u>                                    | Initial Str Wt./Lbs. | <u>80,000</u>    | Unseated Str Wt./Lbs. | <u>85,000</u>      |
| Anchor Length                                                                                                               | <u>15'</u>                                            | Wt. Set Lbs.         | <u>40,000</u>    | Wt. Pulled Loose/Lbs. | <u>85,000</u>      |
| Top Packer Depth                                                                                                            | <u>5040</u>                                           | Tool Weight          | <u>1,800</u>     |                       |                    |
| Bottom Packer Depth                                                                                                         | <u>5045</u>                                           | Hole Size — 7 7/8"   |                  | Rubber Size — 6 3/4"  |                    |
| Total Depth                                                                                                                 | <u>5060</u>                                           | Wt. Pipe Run         | <u>    </u>      | Drill Collar Run      | <u>560' (6)</u>    |
| Mud Wt.                                                                                                                     | <u>9.2</u> LCM <u>1*</u> Vis. <u>54</u> WL <u>8.8</u> | Drill Pipe Size      | <u>4 1/2" XH</u> | Ft. Run               | <u>4475 (53.2)</u> |
| Blow Description <u>Weak blow increasing to 3" @ 3mins started to lose</u><br><u>pkc. seat - tried to reseat - no help.</u> |                                                       |                      |                  |                       |                    |

|                       |             |            |                 |              |             |                      |            |
|-----------------------|-------------|------------|-----------------|--------------|-------------|----------------------|------------|
| Recovery — Total Feet | <u>590'</u> | GIP        | <u>    </u>     | Ft. in DC    | <u>560'</u> | Ft. in DP            | <u>30'</u> |
| Rec.                  |             | Feet Of    |                 | %gas         | %oil        | %water               | %mud       |
| Rec.                  |             | Feet Of    |                 | %gas         | %oil        | %water               | %mud       |
| Rec.                  | <u>590'</u> | Feet Of    | <u>Drlg Mud</u> | %gas         | %oil        | %water               | %mud       |
| Rec.                  |             | Feet Of    |                 | %gas         | %oil        | %water               | %mud       |
| Rec.                  |             | Feet Of    |                 | %gas         | %oil        | %water               | %mud       |
| BHT                   | <u>123°</u> | °F Gravity |                 | °API D@      |             | °F Corrected Gravity |            |
| RW                    |             | @          |                 | °F Chlorides |             | ppm Recovery         |            |
|                       |             |            |                 | Chlorides    |             | ppm System           |            |

|                                  |             |                     |              |                |               |
|----------------------------------|-------------|---------------------|--------------|----------------|---------------|
|                                  | AK-1        | Alpine              |              |                |               |
| (A) Initial Hydrostatic Mud      | <u>2593</u> | PSI Recorder No.    | <u>13276</u> | T-On Location  | <u>1930</u>   |
| (B) First Initial Flow Pressure  |             | PSI (depth)         | <u>5050</u>  | T-Started      | <u>2100</u>   |
| (C) First Final Flow Pressure    |             | PSI Recorder No.    | <u>13309</u> | T-Open         | <u>2315</u>   |
| (D) Initial Shut-In Pressure     |             | PSI (depth)         | <u>5055</u>  | T-Pulled       | <u>2330</u>   |
| (E) Second Initial Flow Pressure |             | PSI Recorder No.    | <u>    </u>  | T-Out          | <u>0130</u>   |
| (F) Second Final Flow Pressure   |             | PSI (depth)         | <u>    </u>  | T-Off Location | <u>0230</u>   |
| (G) Final Shut-in Pressure       |             | PSI Initial Opening | <u>5</u>     | Test           | <u>mispen</u> |
| (Q) Final Hydrostatic Mud        | <u>2511</u> | PSI Initial Shut-in | <u>    </u>  | Jars           | <u>X</u>      |
|                                  |             | Final Flow          | <u>    </u>  | Safety Joint   | <u>X</u>      |
|                                  |             | Final Shut-in       | <u>    </u>  | Straddle       | <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     

Our Representative Rod Steinbrink

|                |                     |          |
|----------------|---------------------|----------|
| Circ. Sub      | <u>X</u>            | N/C      |
| Sampler        |                     |          |
| Extra Packer   |                     |          |
| Elec. Rec.     |                     |          |
| Mileage        |                     |          |
| Other          | <u>2 Shale Pks.</u> | <u>X</u> |
| TOTAL PRICE \$ |                     |          |

**CONFIDENTIAL**

TRILOBITE TESTING L.L.C.

**ORIGINAL**

OPERATOR : Red Oak Energy Inc.

DATE 6-11-99

WELL NAME: Kriss #2-26

KB 3789.00 ft

TICKET NO: 11920

DST #1

LOCATION : 26-16s-42w Greeley co KS

GR 3780.00 ft

FORMATION: Lower Morrow

INTERVAL : 5045.00 To 5060.00 ft

TD 5060.00 ft

TEST TYPE: CONV

## RECORDER DATA

| Mins |   | Field       | 1      | 2      | 3      | 4   | TIME DATA-----         |
|------|---|-------------|--------|--------|--------|-----|------------------------|
| PF   | 5 | Rec.        | 13309  | 13309  | 13276  |     | PF Fr. 2315 to 2320 hr |
| SI   | 0 | Range(Psi ) | 4700.0 | 4700.0 | 4000.0 | 0.0 | IS Fr. to hr           |
| SF   | 0 | Clock(hrs)  | 12     | 12     | 12     |     | SF Fr. to hr           |
| FS   | 0 | Depth(ft )  | 5055.0 | 5055.0 | 5050.0 | 0.0 | FS Fr. to hr           |

|                | Field | 1   | 2   | 3   | 4   |                               |
|----------------|-------|-----|-----|-----|-----|-------------------------------|
| A. Init Hydro  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | T STARTED 2100 hr             |
| B. First Flow  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | T ON BOTM 2310 hr             |
| B1. Final Flow | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | T OPEN 2315 hr                |
| C. In Shut-in  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | T PULLED 2330 hr              |
| D. Init Flow   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | T OUT 0130 hr                 |
| E. Final Flow  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |                               |
| F. Fl Shut-in  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | TOOL DATA-----                |
| G. Final Hydro | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | Tool Wt. 1800.00 lbs          |
| Inside/Outside | 0     | 0   | I   |     |     | Wt Set On Packer 40000.00 lbs |

## RECOVERY

Tot Fluid 590.00 ft of 560.00 ft in DC and 30.00 ft in DP  
590.00 ft of Drilling 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 0.00 P.P.M. A.P.I. Gravity 0.00

Unseated Str Wt 85000.00 lbs  
Bot Choke 0.75 in  
Hole Size 7.88 in  
D Col. ID 2.25 in  
D. Pipe ID 3.80 in  
D.C. Length 560.00 ft  
D.P. Length 4475.00 ft

## BLOW DESCRIPTION

Initial Flow:

Weak blow increasing to 3" at 3 mins.  
started to loose packer seat tried  
to reset no help

MUD DATA-----  
Mud Type Chemical  
Weight 9.20 lb/cf  
Vis. 54.00 S/L  
W.L. 8.80 in3  
F.C. 0.00 in  
Mud Drop

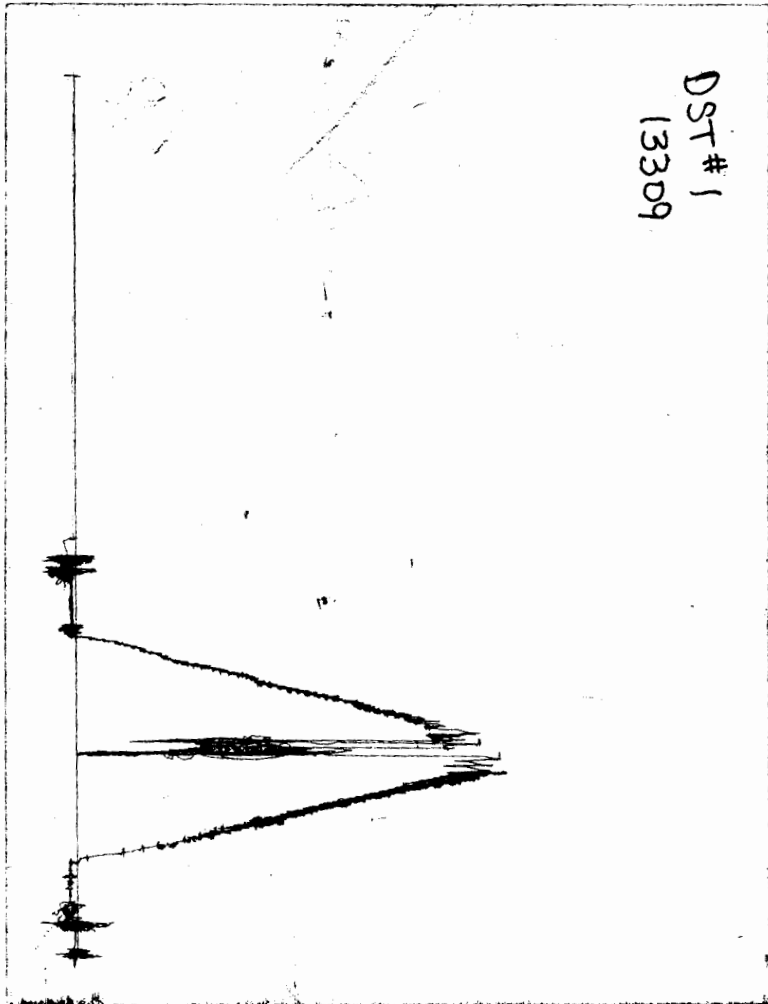
Amt. of fill 0.00 ft  
Btm. H. Temp. 123.00 F  
Hole Condition  
% Porosity 0.00  
Packer Size 6.75 in  
No. of Packers 2  
Cushion Amt. 0.00  
Cushion Type  
Reversed Out  
Tool Chased  
Tester Rod Steinbrink  
Co. Rep. Kevin Davis  
Contr. Murfin  
Rig # 25  
Unit #  
Pump T.

**RELEASED**  
**MAR 28 2001****KCC**  
**OCT 19 1999**  
**CONFIDENTIAL**SAMPLES:  
SENT TO:**FROM CONFIDENTIAL**

Test Successful: N

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CHART PAGE



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

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1-23-50  
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# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N<sup>o</sup> 11921

## Test Ticket

|                 |                                          |                           |                 |                 |                 |
|-----------------|------------------------------------------|---------------------------|-----------------|-----------------|-----------------|
| Well Name & No. | Kriss #2-26                              | Test No.                  | 2               | Date            | 6-12-99         |
| Company         | Red Oak Energy, Inc.                     | Zone Tested               | Morrow          |                 |                 |
| Address         | 7701 E. Kellogg Ste 710 Wichita KS 67207 | Elevation                 | 3789            | KB              | 3780 GL         |
| Co. Rep / Geo.  | Kevin Davis                              | Cont.                     | Murfin #25      | Est. Ft. of Pay | Por. %          |
| Location: Sec.  | 26                                       | Twp.                      | 16 <sup>S</sup> | Rge.            | 42 <sup>W</sup> |
|                 |                                          | Co.                       | Greeley         | State           | KS.             |
| No. of Copies   |                                          | Distribution Sheet (Y, N) |                 | Turnkey (Y, N)  |                 |
|                 |                                          | Evaluation (Y, N)         |                 |                 |                 |

Interval Tested 4970 - 5102 Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 82,000  
Anchor Length 132' Wt. Set Lbs. 40,000 Wt. Pulled Loose/Lbs. 98,000  
Top Packer Depth 4964 - 4970 Tool Weight 2,500  
Bottom Packer Depth 5102 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
Total Depth (LTD) 5178 Wt. Pipe Run - Drill Collar Run 560' (6)  
Mud Wt. 9.2 LCM 2\* Vis. 56 WL 8.8 Drill Pipe Size 4 1/2" XH Ft. Run 4413' (47)  
Blow Description IF: Fair to strong off btm in 2 mins GTS @ 30  
ISI: Blow never did die completely  
EF: Strong blow off btm immediately gauged 15.9 mcf/day  
FSI: Bled off blow - surging blow throughout.

Recovery — Total Feet 3000' GIP GTS - 30 min IF Ft. in DC 560' Ft. in DP 2440  
Rec. - Feet Of - %gas %oil %water %mud  
Rec. - Feet Of - %gas %oil %water %mud  
Rec. 3000' Feet Of VGMCO %gas %oil %water %mud  
Rec. - Feet Of Reversed Out. %gas %oil %water %mud  
Rec. - Feet Of - %gas %oil %water %mud  
BHT 140° °F Gravity 37 °API D@ 60° °F Corrected Gravity 37 °API  
RW - @ - °F Chlorides - ppm Recovery Chlorides 4,500 ppm System

|                                  | AK-1        | Alpine                                                  |
|----------------------------------|-------------|---------------------------------------------------------|
| (A) Initial Hydrostatic Mud      | <u>2488</u> | PSI Recorder No. <u>13309</u> T-On Location <u>2045</u> |
| (B) First Initial Flow Pressure  | <u>531</u>  | PSI (depth) <u>5092</u> T-Started <u>2145</u>           |
| (C) First Final Flow Pressure    | <u>949</u>  | PSI Recorder No. <u>13339</u> T-Open <u>0018</u>        |
| (D) Initial Shut-In Pressure     | <u>1009</u> | PSI (depth) <u>4975</u> T-Pulled <u>0520</u>            |
| (E) Second Initial Flow Pressure | <u>1009</u> | PSI Recorder No. <u>13276</u> T-Out <u>0930</u>         |
| (F) Second Final Flow Pressure   | <u>1009</u> | PSI (depth) <u>5173</u> T-Off Location <u>1100</u>      |
| (G) Final Shut-in Pressure       | <u>1021</u> | PSI Initial Opening <u>30</u> Test <u>-</u>             |
| (Q) Final Hydrostatic Mud        | <u>2323</u> | PSI Initial Shut-in <u>60</u> Jars <u>X</u>             |
|                                  |             | Final Flow <u>90</u> Safety Joint <u>X</u>              |
|                                  |             | Final Shut-in <u>120</u> Straddle <u>X</u>              |
|                                  |             | Circ. Sub <u>X</u> N/C                                  |
|                                  |             | Sampler <u>-</u>                                        |
|                                  |             | Extra Packer <u>X</u>                                   |
|                                  |             | Elec. Rec. <u>-</u>                                     |
|                                  |             | Mileage <u>-</u>                                        |
|                                  |             | Other <u>-</u>                                          |
|                                  |             | TOTAL PRICE \$ <u>-</u>                                 |

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Approved By Kim C. Qu

Our Representative Rob Steinbrink

TRILOBITE TESTING L.L.C.

OPERATOR : Red Oak Energy Inc.

DATE 6-12-99

WELL NAME: Kriss #2-26

KB 3789.00 ft

TICKET NO: 11921 DST #2

LOCATION : 26-16s-42w Greeley co KS

GR 3780.00 ft

FORMATION: Morrow

INTERVAL : 4970.00 To 5102.00 ft

TD 5178.00 ft

TEST TYPE: CONV-STRADDLE

RECORDER DATA

| Mins              | Field  | 1      | 2      | 3      | 4   | TIME DATA-----         |
|-------------------|--------|--------|--------|--------|-----|------------------------|
| PF 30 Rec.        | 13309  | 13309  | 13339  | 13276  |     | PF Fr. 0018 to 0048 hr |
| SI 60 Range(Psi ) | 4700.0 | 4700.0 | 4000.0 | 4000.0 | 0.0 | IS Fr. 0048 to 0148 hr |
| SF 90 Clock(hrs)  | 12     | 12     | 12     | 12     |     | SF Fr. 0148 to 0318 hr |
| FS 120 Depth(ft ) | 5092.0 | 5092.0 | 4975.0 | 5173.0 | 0.0 | FS Fr. 0318 to 0518 hr |

|                | Field  | 1      | 2   | 3   | 4   |                               |
|----------------|--------|--------|-----|-----|-----|-------------------------------|
| A. Init Hydro  | 2449.0 | 2488.0 | 0.0 | 0.0 | 0.0 | T STARTED 2145 hr             |
| B. First Flow  | 537.0  | 531.0  | 0.0 | 0.0 | 0.0 | T ON BOTM 0010 hr             |
| B1. Final Flow | 966.0  | 949.0  | 0.0 | 0.0 | 0.0 | T OPEN 0018 hr                |
| C. In Shut-in  | 1004.0 | 1009.0 | 0.0 | 0.0 | 0.0 | T PULLED 0520 hr              |
| D. Init Flow   | 1004.0 | 1009.0 | 0.0 | 0.0 | 0.0 | T OUT 0930 hr                 |
| E. Final Flow  | 1004.0 | 1009.0 | 0.0 | 0.0 | 0.0 |                               |
| F. Fl Shut-in  | 1024.0 | 1021.0 | 0.0 | 0.0 | 0.0 | TOOL DATA-----                |
| G. Final Hydro | 2349.0 | 2323.0 | 0.0 | 0.0 | 0.0 | Tool Wt. 2500.00 lbs          |
| Inside/Outside | O      | O      | I   | S   |     | Wt Set On Packer 10000.00 lbs |
|                |        |        |     |     |     | Wt Pulled Loose 98000.00 lbs  |
|                |        |        |     |     |     | Initial Str Wt 80000.00 lbs   |
|                |        |        |     |     |     | Unseated Str Wt 82000.00 lbs  |
|                |        |        |     |     |     | Bot Choke 0.75 in             |
|                |        |        |     |     |     | Hole Size 7.88 in             |
|                |        |        |     |     |     | D Col. ID 2.25 in             |
|                |        |        |     |     |     | D. Pipe ID 3.80 in            |
|                |        |        |     |     |     | D.C. Length 560.00 ft         |
|                |        |        |     |     |     | D.P. Length 4413.00 ft        |

RECOVERY

Tot Fluid 3000.00 ft of 560.00 ft in DC and 2440.00 ft in DP

3000.00 ft of Very gassy mud cut oil

0.00 ft of Reversed out

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

MUD DATA-----

| Mud Type | Chemical   |
|----------|------------|
| Weight   | 9.20 lb/cf |
| Vis.     | 56.00 S/L  |
| W.L.     | 8.80 in3   |
| F.C.     | 0.00 in    |
| Mud Drop |            |

BLOW DESCRIPTION

Initial Flow:

Fair to strong off bottom in

2 mins. gas to surface at 30

Initial Shut-in:

Blow never did die completely

Final Flow:

Strong blow off bottom immediately

gauged 15.9 mcf/day

Final Shut-in:

Bled off blow surging blow

throughout

SAMPLES:

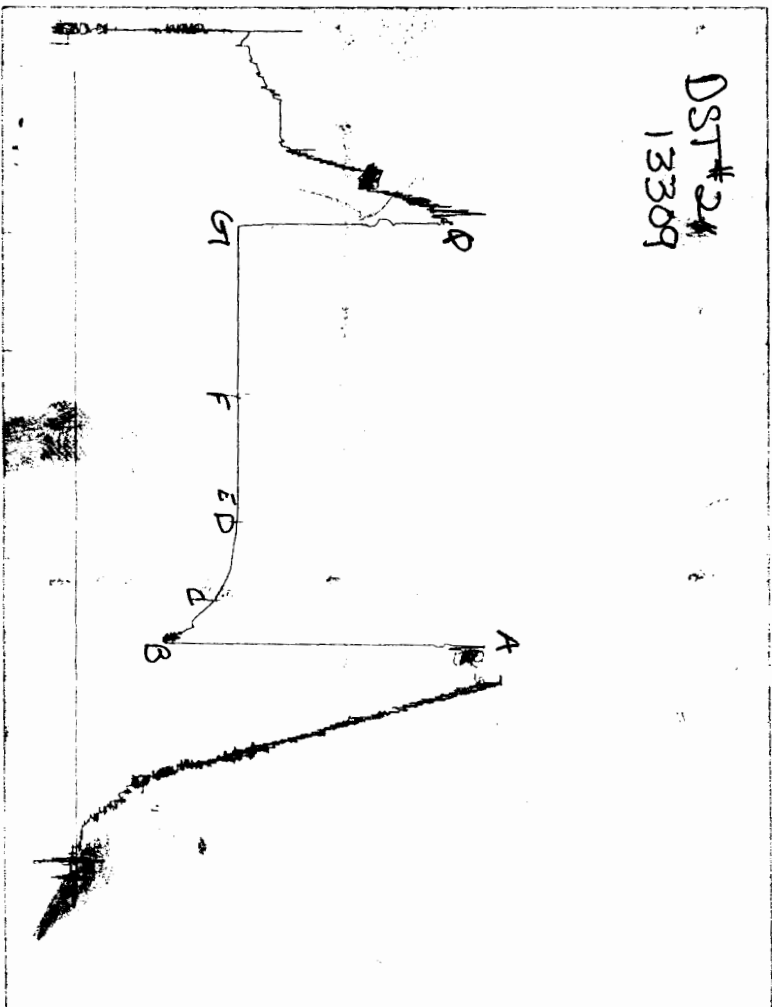
SENT TO:

|                |                |
|----------------|----------------|
| Amt. of fill   | 0.00 ft        |
| Btm. H. Temp.  | 140.00 F       |
| Hole Condition |                |
| % Porosity     | 0.00           |
| Packer Size    | 6.75 in        |
| No. of Packers | 3              |
| Cushion Amt.   | 0.00           |
| Cushion Type   |                |
| Reversed Out   |                |
| Tool Chased    |                |
| Tester         | Rod Steinbrink |
| Co. Rep.       | Kevin Davis    |
| Contr.         | Murfin         |
| Rig #          | 25             |
| Unit #         |                |
| Pump T.        |                |

Test Successful: Y

## CHART PAGE

DST#2  
13309



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