

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15- 165-21,599-0000  
County Rush **ORIGINAL**  
NE -NW - NE - Sec. 7 Twp. 17S Rgs. 19 X V

Operator: License # 30881  
Name: D & T Oil  
Address P.O. BOX 609  
  
City/State/Zip HAYS, KS 67601

4950 Feet from S (circle one) Line of Section  
1650 Feet from E (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Purchaser: \_\_\_\_\_  
Operator Contact Person: Tom Younger

Lease Name Ryan Well # 1  
Field Name \_\_\_\_\_

Phone (913) -625-9148

Producing Formation \_\_\_\_\_  
Elevation: Ground 2108' KB 2113'

Contractor: Name: Emphasis Oil Operations

Total Depth 3859' PBTD \_\_\_\_\_

License: 8241

Amount of Surface Pipe Set and Cemented at 240 Feet

Wellsite Geologist: Ron Nelson

Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes \_\_\_\_\_ No

Designate Type of Completion  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_

If yes, show depth set \_\_\_\_\_ Feet

Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_ Temp. Abd. \_\_\_\_\_  
Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGU \_\_\_\_\_  
 Dry \_\_\_\_\_ Other (Core, VSW, Expl., Cathodic, etc) \_\_\_\_\_

If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ ex cut.

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan 5-4-93  
(Data must be collected from the Reserve Pit)

Operator: \_\_\_\_\_

Chloride content 28000 ppm Fluid volume 400 bbls

Well Name: \_\_\_\_\_

Devatering method used AIR DRY **RECEIVED**  
**KANSAS CORPORATION COMMISSION**

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Location of fluid disposal if hauled offsite \_\_\_\_\_

Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD \_\_\_\_\_  
Plug Back \_\_\_\_\_ PBTD \_\_\_\_\_  
Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
Other (SVD or Inj?) Docket No. \_\_\_\_\_

Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_  
License No. \_\_\_\_\_

1/31/92 2/6/92  
Spud Date Date Reached TD Completion Date

Quarter 2 Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ E/W  
County Wichita Docket No. \_\_\_\_\_  
Wichita, Kansas

**INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.**

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Thomas J. Younger  
Title OPERATOR Date 2-13-92

Subscribed and sworn to before me this 13 day of FEBRUARY,  
19 92.

Notary Public Karen Randa  
Date Commission Expires 5-14-93



|                        |                                    |       |
|------------------------|------------------------------------|-------|
| K.C.C. OFFICE USE ONLY |                                    |       |
| F                      | Letter of Confidentiality Attached |       |
| C                      | Wireline Log Received              |       |
| C                      | Geologist Report Received          |       |
| Distribution           |                                    |       |
| KCC                    | SVD/Rep                            | NGPA  |
| KGS                    | Plug                               | Other |
| (Specify)              |                                    |       |

Operator Name D & T Oil Lease Name Ryan Well # 1

Sec. 7 Twp. 17S Rge. 19  East  West  
 County Rush

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy.)

List All E.Logs Run:

| Name           | Top  | Datum |
|----------------|------|-------|
| TOP ANHYDRITE  | 1319 | 797   |
| BASE ANHYDRITE | 1357 | 759   |
| TOPEKA         | 3139 | -1023 |
| HEEBNER        | 3428 | -1312 |
| TORONTO        | 3445 | -1329 |
| LKC            | 3470 | -1554 |
| BKC            | 3736 | -1621 |
| MARMATON       | 3796 | -1682 |
| ARBUCKLE       | 3847 | -1735 |

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                 |               |                |              |                            |
|---|-------------------|---------------------------|-----------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                 |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (in O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |                   |                           |                 |               |                |              |                            |
|   |                   |                           |                 |               |                |              |                            |
|   |                   |                           |                 |               |                |              |                            |

| ADDITIONAL CEMENTING/SQUEEZE RECORD     |                  |                |             |                            |
|---|------------------|----------------|-------------|----------------------------|
| Purpose:                                | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate      |                  |                |             |                            |
| <input type="checkbox"/> Protect Casing |                  |                |             |                            |
| <input type="checkbox"/> Plug Back TD   |                  |                |             |                            |
| <input type="checkbox"/> Plug Off Zone  |                  |                |             |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type  |  | Acid, Fracture, Shot, Cement Squeeze Record |       |
|----------------|---|--|---|-------|
|                | Specify Footage of Each Interval Perforated |  | (Amount and Kind of Material Used)          | Depth |
|                |   |  |   |       |
|                |   |  |   |       |
|                |   |  |   |       |
|                |   |  |   |       |

| TUBING RECORD                                  |     | Size  | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No |
|--|-----|---|--------|-----------|--|
| Date of First, Resumed Production, SMD or Inj. |     | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |        |           |  |
| Estimated Production Per 24 Hours              | Oil | Bbls.   | Gas    | Mcf       | Water Bbls. Gas-Oil Ratio Gravity                                  |

Disposition of Gas:  vented  sold  Used on Lease (if vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

# TRILOBITE TESTING COMPANY *L.L.C.*

P.O. Box 362 • Hays, Kansas 67601

# ORIGINAL

## Drill-Stem Test Data

Well Name RYAN #1 Test No. 2 Date 2/6/92  
Company D & T OIL Zone Tested ARBUCKLE  
Address P.O. BOX 278 VICTORIA KS 67671 Elevation 2113 K.B.  
Co. Rep./Geo. RON NELSON cont. EMPHASIS RIG #5 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 7 Twp. 17S Rge. 19W Co. RUSH State KS

Interval Tested 3834-3859 Drill Pipe Size 4.5 XH  
Anchor Length 25 Wt. Pipe I.D. - 2.7 Ft. Run 635  
Top Packer Depth 3829 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 3834  
Total Depth 3859

Mud Wt. 9.3 lb / gal. Viscosity 51 Filtrate 8.8

Tool Open @ 1:48 AM Initial Blow 2" BLOW BUILDING TO BOTTOM OF BUCKET IN 7 MINUTES  
(BLOW BACK BUILT TO 3/4" STATE CORPORATION COMMISSION)  
Final Blow 2" BLOW BUILDING TO BOTTOM OF BUCKET IN 12 MINUTES  
(3/4" BLOW ON SHUT IN) FEB 18 1992

Recovery - Total Feet 685 CONSERVATION DIVISION Flush Tool? NO  
Wichita, Kansas

Rec. 180 Feet of GAS IN PIPE

Rec. 90 Feet of CLEAN GASSY OIL-10%GAS/90%OIL

Rec. 90 Feet of SLTLY OIL CUT MUD-5%OIL/95%MUD

Rec. 115 Feet of SLTLY OIL CUT WTRY MUD-5%OIL/35%WTR/60%MUD

Rec. 390 Feet of MUDDY GASSY WATER-5%GAS/75%WTR/20%MUD

BHT 118 °F Gravity 39 °API @ 50 °F Corrected Gravity 40 °API

RW 0.3 @ 76 °F Chlorides 27000 ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 1999.1 PSI Ak1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 62.3 PSI @ (depth) 3839 w/Clock No. 25810

(C) First Final Flow Pressure 210.4 PSI AK1 Recorder No. 24174 Range 3350

(D) Initial Shut-In Pressure 1141.5 PSI @ (depth) 3858 w/Clock No. 17640

(E) Second Initial Flow Pressure 229.8 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

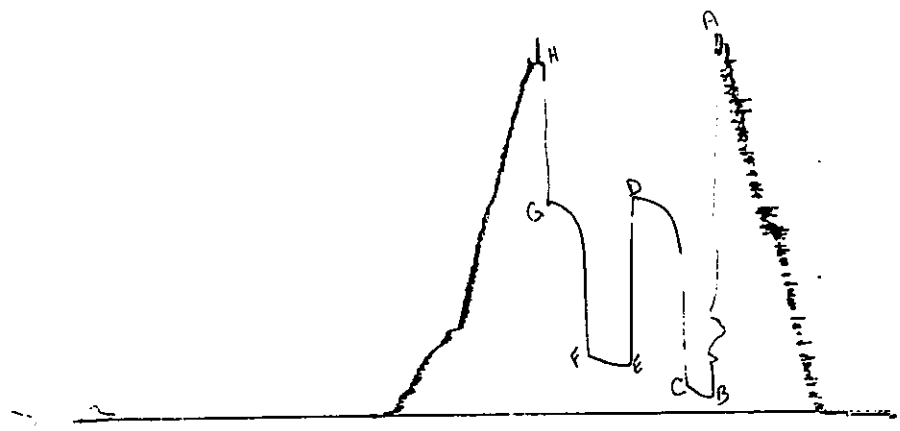
(F) Second Final Flow Pressure 318.7 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-In Pressure 1125.4 PSI Initial Opening 20 Final Flow 20

(H) Final Hydrostatic Mud 1850.4 PSI Initial Shut-in 40 Final Shut-in 40

Our Representative PAUL SIMPSON TOTAL PRICE \$ 550

#2



POINT

This is an actual photograph of recorder chart PRESSURE

|                                  | FIELD READING | OFFICE READING |
|----------------------------------|---------------|----------------|
| (A) INITIAL HYDROSTATIC MUD      | 1998          | 1999.1         |
| (B) FIRST INITIAL FLOW PRESSURE  | 58            | 62.3           |
| (C) FIRST FINAL FLOW PRESSURE    | 207           | 210.4          |
| (D) INITIAL CLOSED-IN PRESSURE   | 1138          | 1141.5         |
| (E) SECOND INITIAL FLOW PRESSURE | 223           | 229.8          |
| (F) SECOND FINAL FLOW PRESSURE   | 314           | 318.7          |
| (G) FINAL CLOSED-IN PRESSURE     | 1121          | 1125.4         |
| (H) FINAL HYDROSTATIC MUD        | 1848          | 1850.4         |

RECEIVED  
STATE CORPORATION COMMISSION  
FEB 18 1992  
CONSERVATION DIVISION  
Wichita, Kansas



Test Ticket

No 4745

Well Name & No. Ryan #1 Test No. 2 Date 2-6-92  
 Company D+T Oil Zone Tested Arbuckle  
 Address PO Box 278 Victoria Ks 67671 Elevation 2113  
 Co. Rep./Geo. R. Nelson cont. Empress #5 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 7 Twp. 17S Rge. 19W Co. Rush State Ks  
 No. of Copies 2 Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3834 - 3859 Drill Pipe Size 4 1/2 X 11  
 Anchor Length 25 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 3829 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3831 Wt. Pipe I.D. — 2.7 Ft. Run 635  
 Total Depth 3859 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.3 lb/gal. Viscosity 51 Filtrate 8.8  
 Tool Open @ 1:45 AM Initial Blow 2" blow building to bottom of bucket in 7 minutes (blow back built to 7 1/4")  
 Final Blow 2" blow building to bottom of bucket in 12 minutes (3/4" blow or shut in)

Recovery — Total Feet 625 Feet of Gas In Pipe 180 Flush Tool? \_\_\_\_\_

| Rec.       | Feet Of                      | % gas     | % oil     | % water   | % mud     |
|------------|------------------------------|-----------|-----------|-----------|-----------|
| <u>90</u>  | <u>clear oil</u>             | <u>10</u> | <u>90</u> |           |           |
| <u>90</u>  | <u>SOCM</u>                  | <u>5</u>  | <u>5</u>  | <u>95</u> | <u>95</u> |
| <u>115</u> | <u>SOCM</u>                  | <u>5</u>  | <u>5</u>  | <u>35</u> | <u>60</u> |
| <u>390</u> | <u>gassy water w/1 speck</u> | <u>5</u>  | <u>75</u> | <u>75</u> | <u>20</u> |

BHT 118 °F Gravity 39 °API @ 50 °F Corrected Gravity 40 °API  
 RW 3 @ 26 °F Chlorides 27,000 ppm Recovery Chlorides 8000 ppm System

(A) Initial Hydrostatic Mud 1998 PSI AK1 Recorder No. 13337 Range 3925  
 (B) First Initial Flow Pressure 58 PSI @ (depth) 3839 w/Clock No. 25510  
 (C) First Final Flow Pressure 207 PSI AK1 Recorder No. 24174 Range 3350  
 (D) Initial Shut-In Pressure 1138 PSI @ (depth) 3858 w/Clock No. 17640  
 (E) Second Initial Flow Pressure 223 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 314 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 1121 PSI Initial Opening 20 Test \_\_\_\_\_  
 (H) Final Hydrostatic Mud 1848 PSI Initial Shut-In 40 Jars \_\_\_\_\_

TRILOBITE TESTING COMPANY 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 SUBSTAINED, 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.

RECEIVED  
 STATE CORPORATION COMMISSION  
 FEB 18 1992  
 CONSERVATION DIVISION  
 Wichita, Kansas

Approved By R. Nelson Safety Joint \_\_\_\_\_  
 Our Representative Kal Simpson Straddle \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

# TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

# ORIGINAL

## Drill-Stem Test Data

Well Name RYAN #1 Test No. 1 Date 2/4/92  
Company D & T OIL Zone Tested LKC-"C"  
Address P.O. BOX 278 VICTORIA KS 67671 Elevation 2113 K.B.  
Co. Rep./Geo. RON NELSON Cont. EMPHASIS RIG #5 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 7 Twp. 17S Rge. 19W Co. RUSH State KS

Interval Tested 3485-3510 Drill Pipe Size 4.5 XH  
Anchor Length 25 Wt. Pipe I.D. - 2.7 Ft. Run 635  
Top Packer Depth 3480 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 3485  
Total Depth 3510

Mud Wt. 9.2 lb / gal. Viscosity 48 Filtrate 8

Tool Open @ 1:46 PM Initial Blow WEAK 1/4" BLOW BUILDING TO 2"

Final Blow WEAK SURFACE BLOW BUILDING TO 1"

Recovery - Total Feet 40 Flush Tool? NO

Rec. 20 Feet of SLTLY OIL CUT MUD-5%OIL/95%MUD

Rec. 20 Feet of WATERY MUD

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 100 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud 1720.5 PSI Ak1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 10.3 PSI @ (depth) 3490 w/Clock No. 8698

(C) First Final Flow Pressure 21.4 PSI AK1 Recorder No. 24174 Range 3350

(D) Initial Shut-in Pressure 956.8 PSI @ (depth) 3509 w/Clock No. 17640

(E) Second Initial Flow Pressure 35.4 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 44.7 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

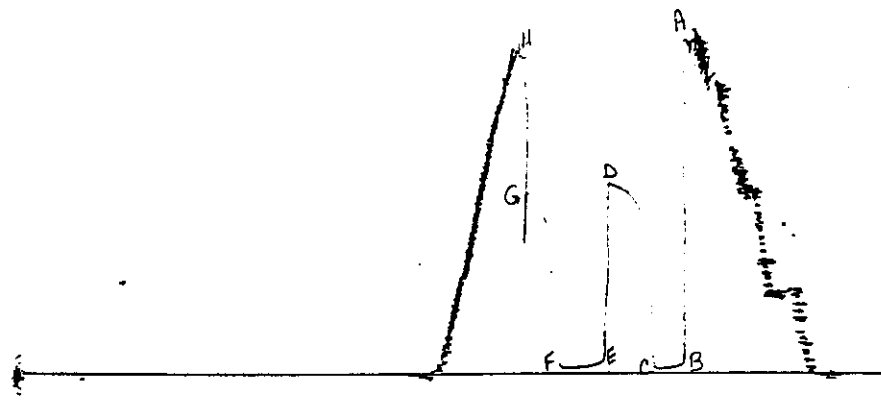
(G) Final Shut-in Pressure 866.3 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1702.4 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative PAUL SIMPSON TOTAL PRICE \$ 550

ORIGINAL

#1  
1333



POINT This is an actual photograph of recorder chart PRESSURE

|                                  | FIELD READING | OFFICE READING |
|----------------------------------|---------------|----------------|
| (A) INITIAL HYDROSTATIC MUD      |               | 1720.5         |
| (B) FIRST INITIAL FLOW PRESSURE  |               | 10.3           |
| (C) FIRST FINAL FLOW PRESSURE    |               | 21.4           |
| (D) INITIAL CLOSED-IN PRESSURE   | 945           | 956.8          |
| (E) SECOND INITIAL FLOW PRESSURE | 33            | 35.4           |
| (F) SECOND FINAL FLOW PRESSURE   | 41            | 44.7           |
| (G) FINAL CLOSED-IN PRESSURE     | 862           | 866.3          |
| (H) FINAL HYDROSTATIC MUD        | 1698          | 1702.4         |

RECEIVED  
STATE COMMISSION

FEB 18 1992

CONSERVATION DIVISION  
Wichita, Kansas



# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

## Test Ticket

No 4744

Well Name & No. Ryan #1 Test No. 1 Date 2-4-92  
 Company D&T Oil Zone Tested LKL - C  
 Address PO Box 278 Victoria Ks 67671 Elevation 2113 K13  
 CO. Rep./Geo. Ro. Nelson Cont. Emphasis #5 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 7 Twp. 17s Rge. 19w Co. Push State Ks  
 No. of Copies 2 Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3485 3510 Drill Pipe Size 4 1/2 X 11  
 Anchor Length 25 Top Choke - 1" \_\_\_\_\_ Bottom Choke - 3/4" \_\_\_\_\_  
 Top Packer Depth 3480 Hole Size - 7 7/8" \_\_\_\_\_ Rubber Size - 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3485 Wt. Pipe I.D. - 2.7 Ft. Run 635  
 Total Depth 3510 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.2 lb/gal. Viscosity 48 Filtrate 8.0  
 Tool Open @ 1.46 Pin Initial Blow weak 1/4" blow building to 2"

Final Blow weak surface blow building to 1"

| Recovery - Total Feet | Feet of Gas in Pipe  | Flush Tool? | % gas    | % oil | % water   | % mud |
|-----------------------|----------------------|-------------|----------|-------|-----------|-------|
| Rec. <u>20</u>        | Feet Of <u>SOLM</u>  | <u>N</u>    | <u>5</u> |       | <u>95</u> |       |
| Rec. <u>20</u>        | Feet Of <u>water</u> |             |          |       |           |       |
| Rec. _____            | Feet Of _____        |             |          |       |           |       |
| Rec. _____            | Feet Of _____        |             |          |       |           |       |
| Rec. _____            | Feet Of _____        |             |          |       |           |       |

BHT 100 °F Gravity \_\_\_\_\_ °API @ Wichita, Kansas °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System  
 (A) Initial Hydrostatic Mud 1715 PSI Ak1 Recorder No. 13337 Range 3975  
 (B) First Initial Flow Pressure 8 PSI @ (depth) 3490 w/Clock No. 8698  
 (C) First Final Flow Pressure 16 PSI AK1 Recorder No. 24074 Range 3350  
 (D) Initial Shut-in Pressure 945 PSI @ (depth) 3509 w/Clock No. 17640  
 (E) Second Initial Flow Pressure 33 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 41 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 862 PSI Initial Opening 30 Test <  
 (H) Final Hydrostatic Mud 1698 PSI Initial Shut-in 30 Jars \_\_\_\_\_

TRILOBITE TESTING COMPANY 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 SUBSTAINED, 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.

Final Flow 30 Safety Joint \_\_\_\_\_  
 Final Shut-in 30 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_

Approved By Paul Simpson  
 Our Representative Paul Simpson  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_  
 TOTAL PRICE \$ \_\_\_\_\_

ORIGINAL

EMPHASIS OIL OPERATIONS

P. O. BOX 506  
RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: D & T Oil  
P. O. Box 278  
Victoria, Kansas 67671

CONTRACTOR: Emphasis Oil Operations  
Box 506  
Russell, KS 67665

LEASE: Ryan WELL #1

LOCATION: NE NW NE  
Section 7-17S-19W  
Rush County, Kansas

LOGGERS TOTAL DEPTH: 3858'

ROTARY TOTAL DEPTH: 3859'

COMMENCED: 1/31/92

CASING: 8-5/8" @ 240' w/150 sks cement

ELEVATION: 2113' K.B.

COMPLETED: 2/6/92

STATUS: Dry Hole

DEPTHS & FORMATIONS

(All measurements from K.B.)

|             |       |                     |       |
|-------------|-------|---------------------|-------|
| Dakota Sand | 559'  | Lansing-Kansas City | 3470' |
| Cedar Hills | 737'  | Base Kansas City    | 3736' |
| Anhydrite   | 1319' | Marmaton            | 3796' |
| Topeka      | 3139' | Arbuckle            | 3847' |
| Heebner     | 3428' | R.T.D.              | 3859' |
| Toronto     | 3445' |                     |       |

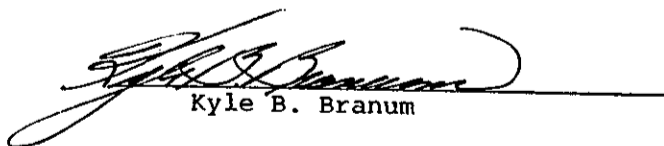
RECEIVED  
STATE CORPORATION COMMISSION

FEB 18 1992

CONSERVATION DIVISION  
Wichita, Kansas

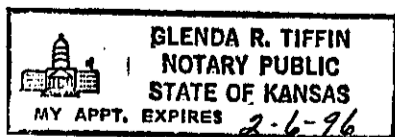
STATE OF KANSAS )  
                          ) ss  
COUNTY OF RUSSELL)

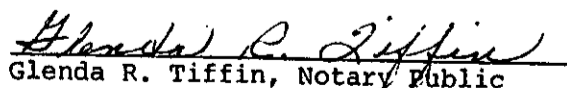
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

  
Kyle B. Branum

Subscribed and sworn to before me on February 10, 1992.

My commission expires: February 6, 1996.

  
GLENDA R. TIFFIN  
NOTARY PUBLIC  
STATE OF KANSAS  
MY APPT. EXPIRES 2-6-96

  
Glenda R. Tiffin, Notary Public



P.O. Box 4442  
Houston, Texas 77210

# CEMENTING LOG

STAGE NO.

# ORIGINAL

Date 1-31-92 District HAYS Ticket No. 627862  
 Company D & T Oil Rig Emphasis  
 Lease Ryan Well No. 1  
 County Rush State Ka  
 Location 158W 35 1/2 W Liberty Field 1

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

LEAD: Pump Time 150 hrs. Type 64/40 3-2 Excess \_\_\_\_\_  
 Amt. 150 Skys Yield 1.26 ft<sup>3</sup>/sk Density 14.9 PPG

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_ Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead 5.30 gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Drill Pipe: Size 4 1/2 Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 12 1/4 T.D. 240 ft. P.B. to 278 ft.

Pump Trucks Used 46029 - Dean  
 Bulk Equip. 2030 - Dean

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. 1 Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type \_\_\_\_\_ Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE Bill Owens

CEMENTER Bev R. Jackson

| TIME | PRESSURES PSI     |         | FLUID PUMPED DATA |                        |                | REMARKS   |
|------|-------------------|---------|-------------------|------------------------|----------------|---|
|      | DRILL PIPE CASING | ANNULUS | TOTAL FLUID       | Pumped Per Time Period | RATE Bbls Min. |   |
|      |                   |         |                   |                        |                | Surface set at 240'   |
|      |                   |         |                   |                        |                | RECEIVED<br>STATE CORP. ENGINEERING<br>FEB 18 1992<br>CONCRETE DIVISION<br>Wichita, Kansas  |
|      |                   |         |                   |                        |                | Cement w/ 150 pps 60/40 ppc<br>3% CC 2% Gel<br>Pump plug w/ 14 7/8 bbls water.<br>Cement did circulate<br>Job Complete @ 10:15 pm<br>Thanks |



P.O. Box 4442  
Houston, Texas 77210

# CEMENTING LOG

STAGE NO.

Date 2-6-92 District HAYS Ticket No. 627864  
 Company Q970.1 Rig Emphasis  
 Lease Rt 92 Well No. 1  
 County Rush State Kv  
 Location 10 SW Liebenthal Field \_\_\_\_\_

CEMENT DATA: **ORIGINAL**  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size \_\_\_\_\_ Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

LEAD: Pump Time 60/40 6% 60 & cello hrs. Type \_\_\_\_\_  
 Amt. 225 Sks Yield 1.60 ft<sup>3</sup>/sk Density 13.8 PPG \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls. \_\_\_\_\_

Drill Pipe: Size 4 1/2 Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8 T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

Pump Trucks Used 2034 - Deon  
 Bulk Equip. 2030 - Ovel

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. 0.147 Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type \_\_\_\_\_ Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG \_\_\_\_\_  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG \_\_\_\_\_

COMPANY REPRESENTATIVE Bill Owens CEMENTER Burr Dekam

| TIME | PRESSURES PSI |                   | FLUID PUMPED DATA |             |                        | REMARKS   |
|------|---------------|-------------------|-------------------|-------------|------------------------|---|
|      | AM/PM         | DRILL PIPE CASING | ANNULUS           | TOTAL FLUID | Pumped Per Time Period |   |
|      |               |                   |                   |             |                        | 1st plug at 3854 w/ 40 skw  |
|      |               |                   |                   |             |                        | 2nd plug at 1370 w/ 50 skw  |
|      |               |                   |                   |             |                        | 3rd plug at 690 w/ 50 skw   |
|      |               |                   |                   |             |                        | 4th plug at 270 w/ 50 skw   |
|      |               |                   |                   |             |                        | 10 skw at 40'   |
|      |               |                   |                   |             |                        | 15 skw in Rathole   |
|      |               |                   |                   |             |                        | 10 skw in mouse hole  |
|      |               |                   |                   |             |                        | TOTAL 225 skw 60/40 6% 60 & cello                                 |
|      |               |                   |                   |             |                        | Job Complete at 2:45 P.M.   |
|      |               |                   |                   |             |                        | RECEIVED STATE CORPORATION COMMISSION<br>FEB 18 1992<br>Thank You |