

CONFIDENTIAL

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

Operator: License # 5135

Name: John O. Farmer, Inc.

Address P.O. Box 352

City/State/Zip Russell, KS 67665

Purchaser: Koch Oil Company

Operator Contact Person: John O. Farmer III

Phone (913) 483-3144

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: John O. Farmer IV

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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

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

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

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

9/11/93 9/20/93 10/11/93  
Spud Date Date Reached TD Completion Date

API NO. 15-109-20,556 0000

County Logan

SW - SE - SE - Sec. 6 Twp. 13S Rge. 33 X W

330 Feet from (S)N (circle one) Line of Section

990 Feet from (E)W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, (SE), NW or SW (circle one)

Lease Name Ruby Dirks Well # 1

Field Name (Wildcat)

Producing Formation Johnson

Elevation: Ground 3010' KB 3015'

Total Depth 4657' PBTB 4617'

Amount of Surface Pipe Set and Cemented at 221 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2427 Feet

If Alternate II completion, cement circulated from 2427

feet depth to 1240' w/ 425 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content 22,000 ppm Fluid volume 1,800 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:  
(not hauled)

Operator Name RELEASED

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

NOV 21 1994  
Quarter Sec. Twp. S Rng. E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

FROM CONFIDENTIAL

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.

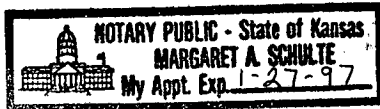
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature John O. Farmer III  
John O. Farmer III  
Title President Date 11-19-93

Subscribed and sworn to before me this 19th day of November,  
19 93.

Notary Public Margaret A. Schulte  
Margaret A. Schulte

Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)  
RECEIVED  
STATE CORPORATION COMMISSION

Form ACO-1 (7-91)  
NOV 22 1993  
11-22-93  
CONSERVATION DIVISION  
Wichita, Kansas

**SIDE TWO**

Operator Name John O. Farmer, Inc. Lease Name Ruby Dirks Well # 1

Sec. 6 Twp. 13s Rge. 33  East  West  
 County Logan

**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:

Dual Porosity Density/Neutron Log  
 Dual Induction Gamma Ray Log  
 Compensated Acoustic Velocity Log

Name	Top	Datum
Base/Anhydrite	2462'	(+553)
Heebner	3882'	(-867)
Lansing	3925'	(-910)
Stark	4174'	(-1159)
Base/Kansas City	4250'	(-1235)
Pawnee	4360'	(-1345)
Fort Scott	4420'	(-1405)
Cherokee	4447'	(-1432)
Johnson	4493'	(-1478)
Mississippi	4580'	(-1565)
L.T.D.	4659'	(-1644)

CASING RECORD <input checked="" 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
Surface	12-1/4"	8-5/8"	20#	221'	60-40 Pozmix	165	3% C.C., 2% gel
Production	7-7/8"	5-1/2"	14# & 15-1/2#	4650'	EA-2	200	10% salt
D.V. Tool				2427'	Lite	425	10% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD - to protect Dakota Sand formation @ 1100' (+ or -)

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate	820-1240'	Lite	125	10% gel, 3/4# Flocele
<input checked="" type="checkbox"/> Protect Casing	Surf.-820'	Common	100	6% gel

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	4495-4510 (15')	2000 gals. 15% NE	4495-4510'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	4518'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. October 17, 1993 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	120		10		34

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval: 4495-4510 (15')

Other (Specify): \_\_\_\_\_

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## CONFIDENTIAL

### Test Ticket

API# 15-109-20556

6081

Well Name & No. Ruby Dicks #1 Test No. 1 Date 9-15  
 Company John O Farmer Inc. Zone Tested Tronto - Lan/KC 'A'  
 Address P.O. Box 352 Russell Ks. 67665 Elevation 3025 KB  
 Co. Rep./Geo. John Farmer Cont. Absecrombie Rig 4 Est. Ft. of Pay 13'  
 Location: Sec. 6 Twp. 13 S Rge. 33 W Co. Logan State Ks.  
 No. of Copies Abema Distribution Sheet Yes No Turnkey Yes No Evaluation

Interval Tested 3879 3950 KCC Drill Pipe Size 4 1/2" XH  
 Anchor Length 71 Top Choke — 1" Bottom Choke — 3/4"  
 Top Packer Depth 3874 **OCI 1.9** Hole Size — 7 7/8" Rubber Size — 6 3/4"  
 Bottom Packer Depth 3879 **CONFIDENTIAL** Wt. Pipe I.D. — 2.7 Ft. Run 632  
 Total Depth 3950 Drill Collar — 2.25 Ft. Run —  
 Mud Wt. 8.9 lb/gal. Viscosity 43 Filtrate 9.2  
 Tool Open @ 300 pm Initial Blow Fair to Strong blow - off bottom in 3 min  
1st. bled off blow - no return

Final Blow Fair to strong blow off bottom in 4 min **ORIGINAL**  
Est. bled off bblw - no return

Recovery — Total Feet 1711' Feet of Gas in Pipe \_\_\_\_\_ Flush Tool? \_\_\_\_\_

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>305</u>	<u>slightly oil cut muddy water</u>	<u>10</u>	<u>10</u>	<u>50</u>	<u>40</u>
<u>3'</u>	<u>oil</u>	<u>100</u>	<u>0</u>	<u>—</u>	<u>—</u>
<u>244'</u>	<u>slightly oil &amp; mud cut water</u>	<u>10</u>	<u>10</u>	<u>75</u>	<u>15</u>
<u>183'</u>	<u>slightly oil cut water</u>	<u>10</u>	<u>10</u>	<u>90</u>	<u>—</u>
<u>976'</u>	<u>water w/ trace of oil</u>	<u>10</u>	<u>10</u>	<u>100</u>	<u>—</u>

BHT \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .128 @ 79 °F Chlorides 60000 ppm Recovery Chlorides 1600 ppm System

(A) Initial Hydrostatic Mud 1852 PSI Ak1 Recorder No. 5495 Range 4200  
 (B) First Initial Flow Pressure 109 PSI @ (depth) 3884 w/Clock No. 25813  
 (C) First Final Flow Pressure 359 PSI AK1 Recorder No. 11038 Range 5075  
 (D) Initial Shut-In Pressure 1197 PSI @ (depth) 3947 w/Clock No. 25814  
 (E) Second Initial Flow Pressure 663 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 804 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 1222 PSI Initial Opening 34 Test X  
 (H) Final Hydrostatic Mud 1852 PSI Initial Shut-In \_\_\_\_\_ Jars \_\_\_\_\_

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 John O. Farmer II  
 Our Representative Pat Waggoner

Final Flow \_\_\_\_\_ Safety Joint **RECEIVED**  
**RELEASED** Final Shut-in \_\_\_\_\_ Straddle **STATE CORPORATION COMMISSION**  
 NOV 21 1994 Circ. Sub X **NOV 22 1993**  
 FROM CONFIDENTIAL Sampler \_\_\_\_\_  
 Extra Packer **CONSERVATION DIVISION**  
 Other \_\_\_\_\_ **Wichita, Kansas**

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL

## Test Ticket

API # 18-109-20558

6082

Well Name & No. Ruby Dirks #1 Test No. 2 Date 9-16-93  
 Company John O. Farmer Inc. Zone Tested Law. KC  
 Address PO Box 352 Russell Ks. 67665 Elevation 3025 KB  
 Co. Rep./Geo. John Farmer Cont. Abstract R. 4 Est. Ft. of Pay £  
 Location: Sec. 6 Twp. 13S Rge. 33W Co. Logan State Ks.  
 No. of Copies NORMAL Distribution Sheet Yes      No      Turnkey Yes X No      Evaluation     

Interval Tested 3945-3980 Drill Pipe Size 4 1/2" XH  
 Anchor Length 35 **KCC** Top Choke — 1" Bottom Choke — 3/4"  
 Top Packer Depth 3940 **OCT 1-9** Hole Size — 7 7/8" Rubber Size — 6 3/4"  
 Bottom Packer Depth 3945 **CONFIDENTIAL** Wt. Pipe I.D. — 2.7 Ft. Run 632  
 Total Depth 3980 Drill Collar — 2.25 Ft. Run       
 Mud Wt. 9.0 lb/gal. Viscosity 50 Filtrate 12.4

Tool Open @ 3:41 am Initial Blow fair building to bottom in 20 min  
151' bleed off blow - came back to 3/4"  
 Final Blow fair building to bottom in 45 min  
151' bleed off blow - came back to very weak surface blow 14"

**ORIGINAL**

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>248</u> Feet Of <u>clean gassy o.i.</u> 10% gas 90% oil %water %mud	<u>62</u>	
Rec. <u>186</u> Feet Of <u>very slightly mud cut gassy o.i.</u> 20% gas 75% oil %water 5% mud		
Rec. <u>124</u> Feet Of <u>gassy oil cut mud</u> 30% gas 30% oil %water 40% mud		
Rec. <u>186</u> Feet Of <u>salt water</u> %gas %oil 100% water %mud		
Rec. <u>    </u> Feet Of <u>    </u> %gas %oil %water %mud		

BHT 118 °F Gravity 36 °API @ 60 °F Corrected Gravity 36 °API  
 RW 160 @ 53 °F Chlorides 80 ppm Recovery Chlorides 1600 ppm System

(A) Initial Hydrostatic Mud 1890 PSI Ak1 Recorder No. 5495 Range 4200  
 (B) First Initial Flow Pressure 68 PSI @ (depth) 3951 w/Clock No. 25813  
 (C) First Final Flow Pressure 163 PSI AK1 Recorder No. 11038 Range 5075  
 (D) Initial Shut-In Pressure 1209 PSI @ (depth) 3977 w/Clock No. 25814  
 (E) Second Initial Flow Pressure 243 PSI AK1 Recorder No.      Range       
 (F) Second Final Flow Pressure 323 PSI @ (depth)      w/Clock No. **RELEASED**  
 (G) Final Shut-In Pressure 1222 PSI Initial Opening 45 Test X  
 (H) Final Hydrostatic Mud 1890 PSI Initial Shut-In 45 Jars     

NOV 21 1994

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Approved By John O. Farmer II  
 Our Representative Rob Waggoner

Final Flow 60 Safety Joint       
 Final Shut-In 60 Straddle       
 Circ. Sub X KC  
 Sampler       
 Extra Packer       
 Other     

**FROM CONFIDENTIAL**

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

# CONFIDENTIAL

## Test Ticket

APL 15-109-20556

6083

Well Name & No. Ruby Oaks #1 Test No. 3 Date 9-16-93  
 Company John O Farmer Inc. Zone Tested LAN-KC 'D'  
 Address PO Box 352 Russell Ks. 67665 Elevation 3025 KB  
 Co. Rep./Geo. John Farmer Cont. Abbe Crombie Rig 4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 6 Twp. 13S Rge. 33W Co. Logan State Ks.  
 No. of Copies NORMAL Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes X No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3998 4022 Drill Pipe Size 4 1/2" X 11  
 Anchor Length 24' **KCC** Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4"  
 Top Packer Depth 3993 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4"  
 Bottom Packer Depth 3998 **OCT 1.9** Wt. Pipe I.D. — 2.7 Ft. Run 632  
 Total Depth 4022 **CONFIDENTIAL** Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.1 lb/gal. Viscosity 47 Filtrate 9.4  
 Tool Open @ 5:43 Initial Blow very weak surface blow 1/4"

Final Blow very weak surface blow 1/4"

# ORIGINAL

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>1</u> Feet Of <u>oil</u> %gas <u>100%</u> oil _____ %water _____ %mud _____		
Rec. <u>10</u> Feet Of <u>delay mud w/ spaces of oil</u> %gas <u>70%</u> oil _____ %water _____ %mud <u>100%</u>		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____		

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

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

- (A) Initial Hydrostatic Mud 1890 PSI Ak1 Recorder No. 5495 Range 4200
- (B) First Initial Flow Pressure 41 PSI @ (depth) 4002 w/Clock No. 25813
- (C) First Final Flow Pressure 41 PSI AK1 Recorder No. 11038 Range 5075
- (D) Initial Shut-In Pressure 855 PSI @ (depth) 4019 w/Clock No. 25814
- (E) Second Initial Flow Pressure 55 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_
- (F) Second Final Flow Pressure 55 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_
- (G) Final Shut-In Pressure 868 PSI Initial Opening ✓ Test X
- (H) Final Hydrostatic Mud 1890 PSI Initial Shut-In \_\_\_\_\_ Jars \_\_\_\_\_

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Final Flow \_\_\_\_\_ Safety Joint X  
 Final Shut-In \_\_\_\_\_ Straddle \_\_\_\_\_  
 Circ. Sub X 11C  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_

NOV 21 1994

Approved By John O Farmer IV  
 Our Representative Arts Waggoner FROM CONFIDENTIAL

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

415.109.2055

6084

Well Name & No. Ruby Dicks #1 Test No. 4 Date 9-17-93  
 Company John O Farmer Inc. Zone Tested Low/KC H&I  
 Address P.O. Box 352 Russell Ks. 67665 Elevation 3025 KB  
 Co. Rep./Geo. John Farmer Cont. Abscrombie Rig 4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 6 Twp. 13S Rge. 33W Co. Logan State Ks  
 No. of Copies Normal Distribution Sheet Yes \_\_\_\_\_ No Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4077-4142 Drill Pipe Size 4 1/2" XH  
 Anchor Length 65' **KCC** Top Choke — 1" Bottom Choke — 3/4"  
 Top Packer Depth 4072 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
 Bottom Packer Depth 4077 **OCT 1.9** Wt. Pipe I.D. — 2.7 Ft. Run 632  
 Total Depth 4142 **CONFIDENTIAL** Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.2 lb / gal. Viscosity 55 Filtrate 9.8  
 Tool Open @ 10:06 AM Initial Blow VERY WEAK building to 2 1/2"  
151- bled off blow - no return  
 Final Blow VERY WEAK building to 2"  
EST- bled off blow - no return

# ORIGINAL

Recovery — Total Feet 340 Feet of Gas in Pipe 280 Flush Tool? \_\_\_\_\_

Rec.	Feet Of	% gas	% oil	% water	% mud
<u>154</u>	<u>clean gassy oil</u>	<u>100%</u>	<u>0%</u>	<u>0%</u>	<u>0%</u>
<u>186</u>	<u>gas &amp; oil cut mud</u>	<u>10%</u>	<u>10%</u>	<u>80%</u>	<u>0%</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

BHT 112 °F Gravity 34 °API @ 80 °F Corrected Gravity 32 °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud 2004 PSI AK1 Recorder No. 5495 Range 4200  
 (B) First Initial Flow Pressure 68 PSI @ (depth) 4082 w/Clock No. 25813  
 (C) First Final Flow Pressure 109 PSI AK1 Recorder No. 11038 Range 5075  
 (D) Initial Shut-In Pressure 1235 PSI @ (depth) 4139 w/Clock No. 25814  
 (E) Second Initial Flow Pressure 149 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 176 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 1247 PSI Initial Opening 45 Test X  
 (H) Final Hydrostatic Mud 2004 PSI Initial Shut-In 45 Jars **RELEASED**

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Final Flow 60 Safety Joint X  
 Final Shut-In 60 Straddle NOV 21 1994  
 Circ. Sub X KC  
 Sampler **FROM CONFIDENTIAL**

Approved By John O. Farmer III  
 Our Representative Pete Waggoner

Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## CONFIDENTIAL

### Test Ticket

15-109-20556

6085

Well Name & No. Ruby Dirks Test No. 5 Date 9-18-93  
 Company John O Farmer Inc. Zone Tested Law-KC 'J-K'  
 Address PO Box 352 Russell Ks. 67665 Elevation 3025 KB  
 Co. Rep./Geo. John Farmer Cont. Abercrombie R. 4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 6 Twp. 13S Rge. 33W Co. LOGAN State Ks  
 No. of Copies Normal Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes X No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4138-4198 Drill Pipe Size 4 1/2" XH  
 Anchor Length 60 **KCC** Top Choke — 1" Bottom Choke — 3/4"  
 Top Packer Depth 4133 **OCT 1-9** Hole Size — 7 7/8" Rubber Size — 6 3/4"  
 Bottom Packer Depth 4138 **CONFIDENTIAL** Wt. Pipe I.D. — 2.7 Ft. Run 632  
 Total Depth 4198 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.2 lb/gal. Viscosity 35 Filtrate 9.8  
 Tool Open @ 2:43 AM Initial Blow weak building to strong - off bottom in 8 min  
151- bled off blow - NO RETURN

Final Blow weak building to strong - off bottom in 12 min.  
ES1- bled off blow - very wk surface blow

## ORIGINAL

Recovery — Total Feet 923 Feet of Gas in Pipe 62 Flush Tool? \_\_\_\_\_

Rec.	Feet Of	% gas	% oil	% water	% mud
<u>5</u>	<u>clean gassy oil</u>	<u>10</u>	<u>90</u>	<u>-</u>	<u>-</u>
<u>298</u>	<u>gas &amp; oil cut mud</u>	<u>10</u>	<u>30</u>	<u>-</u>	<u>60</u>
<u>186</u>	<u>gas &amp; oil cut muddy water</u>	<u>5</u>	<u>5</u>	<u>60</u>	<u>30</u>
<u>434</u>	<u>water w/ traces of oil &amp; gas</u>	<u>10</u>	<u>10</u>	<u>100</u>	<u>0</u>
Rec.	Feet Of	% gas	% oil	% water	% mud

BHT 120° °F Gravity 30 °API @ 60 °F Corrected Gravity 30 °API  
 RW 183 @ 60 °F Chlorides 80000 ppm Recovery Chlorides 3500 ppm System

(A) Initial Hydrostatic Mud 2068 PSI AK1 Recorder No. 5495 Range 4200  
 (B) First Initial Flow Pressure 109 PSI @ (depth) 4148 w/Clock No. 25813  
 (C) First Final Flow Pressure 310 PSI AK1 Recorder No. 11038 Range 5075  
 (D) Initial Shut-In Pressure 1222 PSI @ (depth) 4185 w/Clock No. 25814  
 (E) Second Initial Flow Pressure 402 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 520 PSI @ (depth) \_\_\_\_\_ w/Clock No. **RELEASED**  
 (G) Final Shut-In Pressure 1247 PSI Initial Opening 30 Test X  
 (H) Final Hydrostatic Mud 2068 PSI Initial Shut-In 30 Jars NOV 21 1994

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Approved By John O. Farmer IV  
 Our Representative Pat Waggoner

Final Flow 30 Safety Joint X  
 Final Shut-In 30 FROM CONFIDENTIAL  
 Straddle \_\_\_\_\_  
 Circ. Sub X-1/K  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

# CONFIDENTIAL

## Test Ticket

15-109-20556

6086

Well Name & No. Ruby Dicks #1 Test No. 6 Date 9-18-93  
 Company John O Farmer Inc Zone Tested Low KC L'  
 Address P.O. Box 352 Russell Ks. 67665 Elevation 3025 KB  
 Co. Rep./Geo. John Farmer Cont. Absecrombix R.g 4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 6 Twp. 135 Rge. 33W Co. Logan State Ks  
 No. of Copies Normal Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No Turnkey \_\_\_\_\_ Yes X No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4196-4224 Drill Pipe Size 4 1/2" XH  
 Anchor Length 28 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 4191 **KCC** Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 4196 **OCT 1.9** Wt. Pipe I.D. — 2.7 Ft. Run 632  
 Total Depth 4224 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 92 **CONFIDENTIAL** lb/gal. Viscosity 47 Filtrate 9.6  
 Tool Open @ 2:40pm Initial Blow very weak building to 1 1/2"  
151- bled off blow - no return  
 Final Blow very weak blow building to 1/2" **ORIGINAL**  
FSI- bled off blow - no return

Recovery — Total Feet 90' Feet of Gas in Pipe \_\_\_\_\_ Flush Tool? \_\_\_\_\_

Rec. _____ Feet Of _____	%gas	%oil	%water	%mud
<u>90</u> Feet Of <u>delay mud</u>				<u>100% mud</u>
_____ Feet Of _____	%gas	%oil	%water	%mud
_____ Feet Of _____	%gas	%oil	%water	%mud
_____ Feet Of _____	%gas	%oil	%water	%mud
_____ Feet Of _____	%gas	%oil	%water	%mud

BHT 106 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud 2055 PSI Ak1 Recorder No. 5495 Range 4200  
 (B) First Initial Flow Pressure 68 PSI @ (depth) 4202 w/Clock No. 25813  
 (C) First Final Flow Pressure 68 PSI Ak1 Recorder No. 11038 Range 5075  
 (D) Initial Shut-In Pressure 1247 PSI @ (depth) 4219 w/Clock No. 25814  
 (E) Second Initial Flow Pressure 95 PSI Ak1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 95 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 1222 PSI Initial Opening 30 Test \* **RELEASED**  
 (H) Final Hydrostatic Mud 2055 PSI Initial Shut-In 45 Jars \_\_\_\_\_

Final Flow 45 Safety Joint NOV 21 1994  
 Final Shut-In 60 Straddle \_\_\_\_\_  
 FROM CONFIDENTIAL  
 Circ. Sub X N.C.

Approved By John O. Farmer II Sampler \_\_\_\_\_  
 Our Representative Pete Wiggan Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

CONFIDENTIAL

## Test Ticket

15-109-20556 6087

Well Name & No. Ruby Dicks #1 Test No. 7 Date 9-19-93  
 Company John O Farmer Inc. Zone Tested Myra Sta - Ft Scott - Char.  
 Address PO Box 352 Russell Ks. 67665 Elevation 3025 KB  
 Co. Rep./Geo. John Farmer Cont. Abbe Crombie Rig 4 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. G Twp. 13.5 Rge. 33W Co. Logan State Ks.  
 No. of Copies Normal Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No Turnkey \_\_\_\_\_ Yes X No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4390 - 4471 Drill Pipe Size 4 1/2" XH  
 Anchor Length 81 **KCC** Top Choke - 1" \_\_\_\_\_ Bottom Choke - 3/4" \_\_\_\_\_  
 Top Packer Depth 4385 Hole Size - 7 7/8" \_\_\_\_\_ Rubber Size - 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 4390 **OCT 1.9** Wt. Pipe I.D. - 2.7 Ft. Run 570  
 Total Depth 4471 **CONFIDENTIAL** Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.4 lb/gal. Viscosity 44 Filtrate 10.0  
 Tool Open @ 3:34 pm Initial Blow VERY WEAK blow 1/4"

Final Blow VERY WEAK blow 1/4"

ORIGINAL

Recovery - Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>30</u>		<u>NO</u>
Rec. <u>30</u> Feet Of <u>dry mud w specks of oil</u>	% gas _____ % oil _____	% water _____ % mud _____
Rec. _____ Feet Of _____	% gas _____ % oil _____	% water _____ % mud _____
Rec. _____ Feet Of _____	% gas _____ % oil _____	% water _____ % mud _____
Rec. _____ Feet Of _____	% gas _____ % oil _____	% water _____ % mud _____
Rec. _____ Feet Of _____	% gas _____ % oil _____	% water _____ % mud _____

BHT 108° °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

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

- (A) Initial Hydrostatic Mud 2182 PSI AK1 Recorder No. 5495 Range 4200
- (B) First Initial Flow Pressure 82 PSI @ (depth) 4400 w/Clock No. 25813
- (C) First Final Flow Pressure 82 PSI AK1 Recorder No. 11038 Range 5075
- (D) Initial Shut-in Pressure 970 PSI @ (depth) 4468 w/Clock No. 25814
- (E) Second Initial Flow Pressure 95 PSI AK1 Recorder No. \_\_\_\_\_ Range **RELEASED**
- (F) Second Final Flow Pressure 95 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_
- (G) Final Shut-in Pressure 715 PSI Initial Opening 30 Test NOV 21 1994
- (H) Final Hydrostatic Mud 2131 PSI Initial Shut-in 30 Jars **FROM CONFIDENTIAL**

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 John O. Farmer IV

Our Representative Pete Waggoner

**RECEIVED**  
 STATE CORPORATION COMMISSION  
**NOV 22 1993**  
 TOTAL PRICE \$ CONSERVATION DIVISION  
 Wichita, Kansas

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

15-109-2055 1/2

6088

Well Name & No. Ruby Dirks #1 Test No. #8 Date 9-20-93  
 Company John O Farmer Inc. Zone Tested Johnson  
 Address P.O. Box 352 Russell Ks 67665 Elevation 3025 (KB)  
 Co. Rep./Geo. John Farmer Cont. Abercrombie Drlys #4 Est. Ft. of Pay 10'-12'  
 Location: Sec. 6 Twp. 13 Rge. 33 Co. Logan State Ks.  
 No. of Copies Normal Distribution Sheet Yes No Turnkey Yes  No X Evaluation

Interval Tested 4467-4524 Drill Pipe Size 4.5 x-Hole  
 Anchor Length KCC 57' Top Choke - 1" Bottom Choke - 3/4"  
 Top Packer Depth 4462 Hole Size - 7 7/8" Rubber Size - 6 3/4"  
 Bottom Packer Depth OCT 1.9 4467 Wt. Pipe I.D. - 2.7 Ft. Run 632"  
 Total Depth CONFIDENTIAL 4524 Drill Collar - 2.25 Ft. Run  
 Mud Wt. 9.4 lb/gal. Viscosity 44 Filtrate 10.0

Tool Open @ 5:40 AM Initial Blow very strong blow - BOR in 1 1/2 min.  
Bled off blow - weak blow - built to bottom of bucket 17 min.  
 Final Blow Bottom of bucket as tool opened  
Bled off blow - weak blow - built to bottom of bucket 15 min.

# ORIGINAL

Recovery - Total Feet 1400 Feet of Gas in Pipe 2183 Flush Tool? NO

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>1028'</u>	Feet Of <u>C60</u>	<u>20</u> %gas	<u>80</u> %oil	%water	%mud
<u>372'</u>	Feet Of <u>GPOCM</u>	<u>15</u> %gas	<u>30</u> %oil	%water	<u>55</u> %mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

BHT 110 °F Gravity 37 °API @ 70 °F Corrected Gravity 36.3 °API

RW @ °F Chlorides ppm Recovery Chlorides 3800 ppm System

(A) Initial Hydrostatic Mud 2246 PSI Ak1 Recorder No. 5495 Range 4200  
 (B) First Initial Flow Pressure 149 PSI @ (depth) 4472 w/Clock No. 25813  
 (C) First Final Flow Pressure 283 PSI Ak1 Recorder No. 11038 Range 5075  
 (D) Initial Shut-In Pressure 1096 PSI @ (depth) 4521 w/Clock No. 25814  
 (E) Second Initial Flow Pressure 363 PSI Ak1 Recorder No. Range  
 (F) Second Final Flow Pressure 455 PSI @ (depth) w/Clock No.  
 (G) Final Shut-In Pressure 1058 PSI Initial Opening 30 Test X  
 (H) Final Hydrostatic Mud 2233 PSI Initial Shut-In 30 Jars

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.

Final Flow 30 Safety Joint X  
 Final Shut-In 30 Straddle RELEASED  
 Circ. Sub NOV 21 1994

Approved By John O Farmer III  
 Our Representative Tom Hucsek

Sampler  
 Extra Packer FROM CONFIDENTIAL  
 Other

ORIGINAL  
CONFIDENTIAL

none 913-483-2627, Russell, Kansas  
Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812  
Phone Ness City 913-798-3843

**ALLIED CEMENTING CO., INC.**

4916

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	9-11-93	Sec.	6	Twp.	13	Range	33	Called Out	5:00pm	On Location	6:30pm	Job Start	8:30pm	Finish	9:00pm
Lease	Ruby Dirks	Well No.	1	Location	Monument 115-W side			County	Logan	State	KS				

Contractor	Aber #4		
Type Job	Surface		
Hole Size	12 1/4	T.D.	223
Csg.	8 5/8 20"	Depth	213
Tbg. Size		Depth	KCC
Drill Pipe		Depth	
Tool		Depth	OCT 1.9
Cement Left in Csg.	15 ft	Shoe Joint	CONFIDENTIAL
Press Max.		Minimum	
Meas Line		Displace	13 1/4 Bbls
Perf.			

Owner	John O Farmer
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Charge To	John O Farmer
Street	370 W. Wichita
City	Russell State Kansas
The above was done to satisfaction and supervision of owner agent or contractor.	

Purchase Order No.	
X	Harry Fisher
<b>CEMENT</b>	

Amount Ordered	165 sk 6940 Poz 32cc 226el
Consisting of	
Common	99 sk @ 1.83 = 178.15
Poz. Mix	66 sk @ 3.00 = 198.00
Gel.	3 sk @ 7.00 = 21.00
Chloride	5 sk @ 25.00 = 125.00
Quickset	

EQUIPMENT		
No.	Cementor	Fitz
Pumptrk 300	Helper	Terry
No.	Cementor	
Pumptrk	Helper	
	Driver	Steve
Bulktrk 315		
Bulktrk	Driver	

Handling	100 per SK	165.00
Mileage	4¢ per SK mile	132.00
	20 mile	
Sub Total		1,298.15
Total		

DEPTH of Job	213
Reference:	Pump Trk 430.00
	8 5/8 Surface Plug 42.00
	2.25 per mile 45.00
Sub Total	
Tax	
Total	517.00

Floating Equipment

Remarks: mix cement - Release plug & Displace to within 15ft from bottom  
Cement did Circulate

RELEASED

RECEIVED  
STATE CORPORATION COMMISSION

NOV 21 1994

NOV 22 1993

FROM CONFIDENTIAL

CONSERVATION DIVISION  
Wichita, Kansas

Thanks  
Fitz & Crew



HALLIBURTON ENERGY SERVICES

CONFIDENTIAL

INVOICE

INVOICE NO.	DATE
508008	09/21/1993

WELL/LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
JIRKS RUBY 1	LOGAN	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
BERLIN	ABERCROMBIE DRILLING	CEMENT PRODUCTION CASING	09/21/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
84670	JIM LINE		
		COMPANY TRUCK	56717

ORIGINAL KCC

OCT 19 CONFIDENTIAL

JOHN O FARMER INC BOX 352 RUSSELL, KS 67665

DIRECT CORRESPONDENCE TO: OKLAHOMA TOWER 210 WEST PARK AVENUE SUITE 2000 OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DRILLING AREA - MID CONTINENT				
000-117	MILEAGE	20 MI		2.75	55.00
		1 UNT			
007-013	MULT STAGE CEMENTING-1ST STAGE	4750 FT		1,635.00	1,635.00
001-016		1 UNT			
007-161	MULT STAGE CEMENTING-ADD STAGE	1 STG		1,295.00	1,295.00
		1 UNT			
018-317	SUPER FLUSH	12 SK		100.00	1,200.00
28	INSERT VALVE F 5 1/2" 8RD	1 EA		350.00	350.00
847-6318					
27	FILL-UP UNIT 5 1/2" 6 5/8"	1 EA		55.00	55.00
815-19311					
40	CENTRALIZER 5 1/2" X 7 7/8"	11 EA		44.00	484.00
807-93022					
56	WALL CLEANER CABLE TYPE 5 1/2"	6 EA		27.50	165.00
807-2005					
320	CEMENT BASKET 5 1/2"	3 EA		110.00	330.00
800-8883					
71	MULT STAGE CMTR-5-1/2 8RD	1 EA		2,450.00	2,450.00
813-80300					
75	PLUG SET - FREE FALL - 2-STAGE	1 EA		460.00	460.00
813-16510					
66	FASGRIP LIMIT CLAMP 5 1/2"	2 EA		12.00	24.00
807-64031					
504-308	CEMENT - STANDARD	200 SK		8.11	1,622.00
508-127	CAL SEAL 60	9 SK		20.70	186.30
507-775	HALAD-322	75 LB		6.90	517.50
507-970	D-AIR 1, POWDER	47 LB		3.25	152.75
509-968	SALT	866 LB		.13	112.58
504-316	CEMENT - HALL LIGHT STANDARD	425 SK		7.33	3,115.25
507-277	HALLIBURTON-GEL BENTONITE	16 SK		15.50	248.00
507-210	FLOCELE	102 LB		1.40	
509-968	SALT	200 LB		.13	

RELEASED NOV 2 1 1994

FROM CONFIDENTIAL

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

RECEIVED STATE CORPORATION COMMISSION NOV 22 1993

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.



**HALLIBURTON**  
ENERGY SERVICES

**TICKET CONTINUATION**

COPY

TICKET NO. 5080086

CUSTOMER: John O. Farmer  
WELL: 1 Ruby Dirks  
DATE: 9/20/99  
DIVISION: 12

FORM 1911 R-8

CONFIDENTIAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			U/M	U/M				
504-308						Std Cement	200	SK				200.00
508-127						Cal Seal	9	SK				82.00
507-775						Halad-322	75	lb				517.50
507-970						D-Air	47	lb			3.25	152.75
509-968						Salt Granulated	866	lb			.13	112.58
504-314	KCC OCT 1-9 CONFIDENTIAL	ORIGINAL				Halliburton Light Cement	425	SK			7.33	3115.25
507-277						Halliburton G. Mixed Add 49	16	SK			15.50	248.00
507-210						Flocele	102	lb			1.40	142.80
509-915						Salt on Side Not Mixed	200	lb			13	26.00
500-207						SERVICE CHARGE					1.35	928.80
500-306						MILEAGE CHARGE					195	577.50
						TOTAL WEIGHT	60,790					
						LOADED MILES	20					
						CUBIC FEET	688					
						TON MILES	607.90					

RECEIVED  
NOV 22 1999

RELEASED

NOV 21 1994

FROM CONFIDENTIAL

CONTINUATION TOTAL

7629.49

JOB SUMMARY

HALLIBURTON DIVISION M.S. Continent  
HALLIBURTON LOCATION Oberlin, Ks.

BILLED ON TICKET NO. 5080086

WELL DATA

FIELD \_\_\_\_\_ SEC 6 TWP. 13s RNG. 23w COUNTY hoga STATE Ks

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_  
PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_  
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
PACKER TYPE O.V. Tool SET AT 2427'  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA 7 7/8" Hole TOTAL DEPTH 4657'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>14/15 1/2</u>	<u>3 1/2"</u>	<u>KB</u>	<u>4750'</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-21-93</u>	DATE <u>9-21-93</u>	DATE <u>9-21-93</u>	DATE <u>9-21-93</u>
TIME <u>0715</u>	TIME <u>1000</u>	TIME <u>1300</u>	TIME <u>1930</u>

TOOLS AND ACCESSORIES 5 1/2"

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Multi Stage Contr</u>		
FLOAT SHOE <u>Incent V/rg</u>	<u>1ea</u>	<u>Hawco</u>
GUIDE SHOE <u>Auto Fill Assy 1-3/4"</u>	<u>1ea</u>	
CENTRALIZERS <u>S-4</u>	<u>11ea</u>	
BOTTOM PLUG <u>Free Fall Plug Set</u>	<u>1ea</u>	
TOOL JOINT <u>Cmt Basket 3</u>	<u>3ea</u>	
HEAD <u>Cable Wall Cleaners</u>	<u>6ea</u>	
PACKER <u>Free Group Clamp</u>	<u>2ea</u>	
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>S. Odan</u>	<u>40285</u>	<u>Oberlin Ks.</u>
<u>K. hegg</u>	<u>3530 RCM</u>	<u>"</u>
<u>M. Jones</u>	<u>NT-400</u>	<u>"</u>
<u>H. Denny</u>	<u>5846 Bulk</u>	<u>"</u>
	<u>4718 Bulk</u>	<u>"</u>
	<u>KCC</u>	
	<u>OCT 1-9</u>	
	<u>CONFIDENTIAL</u>	

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ % \_\_\_\_\_  
SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_  
NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN \_\_\_\_\_  
FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_  
GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_  
FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_  
BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN \_\_\_\_\_  
BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
OTHER 20 Bbl Salt Flush  
OTHER 500 Gal Super Flush

DEPARTMENT Cmt + Bulk  
DESCRIPTION OF JOB Cmt 5 1/2" Prod. Cas.  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
CUSTOMER REPRESENTATIVE [Signature]  
HALLIBURTON OPERATOR [Signature] COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>		<u>FA-2</u>	<u>SK B2</u>	<u>B</u>	<u>5% Col. Seal, 10% S&amp;H, 25lb D. Annul., 4% H-322</u>	<u>1.34</u>	<u>155</u>
<u>2</u>		<u>HLC</u>	<u>SK B2</u>	<u>B</u>	<u>4% Annul. Gel, 1/16 Floerel</u>	<u>2.23</u>	<u>119</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. 20, 12 TYPE \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. 1120 PAD: BBL.-GAL. 33  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT RELEASED TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 115 1/2, 59  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 417 1/2, 169  
HYDRAULIC HORSEPOWER \_\_\_\_\_ NOV 21 1994 TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ FROM CONFIDENTIAL  
CEMENT LEFT IN PIPE \_\_\_\_\_ OVERALL \_\_\_\_\_  
FEET 20.53 REASON She Joint "Thank You" Hawco

REMARKS

RECEIVED STATE CORPORATION COMMISSION  
NOV 22 1993

CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER John O Farmer Ins  
LEASE Ruby Dicks  
WELL NO. #1  
JOB TYPE Cmt Prod Cas



CUSTOMER John O Farmer Inc WELL NO. #1 LEASE Ruby Dirks #1 JOB TYPE Cmt Prod Cong TICKET NO. 5080086

CHART NO. TIME RATE (BPM) VOLUME (BBL) (GAL) PUMPS T C PRESSURE (PSI) TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS

Table with columns for Time, Rate, Volume, Pumps, Pressure, Tubing, and Description. Includes handwritten entries for operations like 'On loc-Rig Crew having down Drill Pipe', 'Finish breakdown, Rig up to run 5 1/2" casing', and 'Start Cong in hole, Insert Vibe Floot Shoe'.

ORIGINAL

KCC OCT 19 CONFIDENTIAL

RELEASED

NOV 21 1994

FROM CONFIDENTIAL

RECEIVED

STATE CORPORATION COMMISSION

NOV 22 1993

JOB LOG FORM 2013 R-3

CUSTOMER: John O Farmer Inc WELL NO: 1 LEASE: Ruby Dicks A 1 JOB TYPE: cont prod cong TICKET NO: 508008-6

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					TUBING	CASING	
							Hook up Howler to cont
	1830						w HCC all 4 1/2" well
	1831	5				150	st HCC coning
	1709		109			200	Finish mix. Drop plug 1 1/2" OB
	1706					200	st Disp 15 points Disp lost circ
	1712					350	36 OB press rate
	1717		593			500	plug landed
			59				close DW 1400 PSI
							shut down 1700 PSI
							Release Hold
							Press back up 1700 PSI
							Release Hold
1920							plug Hold ORIGINAL
							plug rate hole also
							Job complete
							to hand you
							Joe Scott
							Mike
							RELEASED
							NOV 21 1994
							FROM CONFIDENTIAL
							RECEIVED STATE CORPORATION COMMISSION
							NOV 22 1995
							CONSERVATION DIVISION Wichita, Kansas

KCC  
OCT 19  
CONFIDENTIAL

CUSTOMER



JOB LOG FORM 2013 R-3

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
John O. Farmer Inc		1		Dirk		Remed Annulus		508082	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	0430								Called out - Ready @ 0830
	0815								On location Set up trucks Mercury perforate casing @ 1180' Hook up to 5 1/2" Casing
	0936								Load casing
	0942	4	14			550			Casing loaded - Pumping into
	0947	4	26			550			Shut down - No blow on 8 5/8. Hook up to 8 5/8.
	0951	3 1/4	2				200		Loaded
	0955	3 1/4	12			KCC	200		12 bbl pumped - Blow on 5 1/2
	0956	3 1/2	16			DGT 1.9	200		Shut down - Flowed back 5+ bbl
	1006	5							Hook up to 5 1/2 Start pumping
	1010	5	10			500			Loaded - No blow on 8 5/8.
	1044	3 1/2				350			Start cement - 100 sks HLC w/ 4% Add Gell.
	1057								100 sks mixed - No blow on Ann.
	1057								Start mixing 25 sks Std w/ 3% CC
	1100								Finish Std - Pump 1/2 bbl fresh water
	1100								Shut down
	1101	3				900			Release plug & start displacement
	1115	2 1/4	27 3/4			950			Finish displacement - Pressure dropped to 600psi
	1120					450			5 min SIP
	1125					350			10 min SIP
	1130					300			15 min SIP
	1134					275			Close in
	1200								Wash up truck Job Complete

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NOV 21 1994

NOV 20 1993  
STATE CORPORATION  
CONSERVATION DIV  
Wichita

FROM CONFIDENTIAL

CONSERV.  
Wich

CUSTOMER		WELL NO.	LEASE	JOB TYPE		TICKET NO.
John O. Farmer Inc		1	Dink	Rement Annulus		508082
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS	PRESSURE (PSI) TUBING CASING	DESCRIPTION OF OPERATION AND MATERIALS
	0430					Called out - Ready @ 0830
	0815					On location Set up trucks Mercury perforate casing @ 1180
						Hook up to 5" casing
	0936					Load casing
	0942	4	14		550	Casing loaded - Pumping into
	0947	4	26		550	Shut down - No blow on 8 3/4"
						Hook up to 8 3/4"
	0951	3 1/4	2		200	Loaded
	0955	3 1/4	12	KOC	200	12 bbl pumped - Blow on 5 1/2"
	0956	3 1/2	16		200	Shut down - Flowed back 5+ bbl
						Hook up to 5 1/2"
	1006	5				Start pumping
	1010	5	10		500	Loaded - No blow on 8 3/4"
	1044	3 1/2			350	Start cement - 100 sks HLC w/ 4% Add Gell
	1057					100 sks mixed - No blow on Ann
	1057					Start mixing 25 sks Std w/ 3% CC
	1100					Finish Std - Pump 1/2 bbl fresh water
	1100					Shut down
	1101	3 1/4			900	Release plug & start displacement
	1115	2 1/4	27 3/4		950	Finish displacement - Pressure dropped to 600 ps
	1200				450	5 min SIP
	1205				350	10 min SIP
	1130				300	15 min SIP
	1134				275	Close in
						Dash up truck
	1200					Job Complete
						RELEASED
						NOV 2 1994
						FROM CONFIDENTIAL
						RECEIVED STATE COMMISSION
						NOV 22 1993
						CONSERVATION DIVISION Wichita, Kansas

ORIGINAL

CONFIDENTIAL



JOB LOG FORM 2013 R-3

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
John O. Farmer		51		Dicks		CMT down Ann		512320	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	0600								called out to cmt down Ann w/100 sks STD 6% gel on loc rig crew running the work up to casing head, take in-l. rate (NOT to exceed 300 PSI) 3 1/2 bpm @ 300 PSI
	1000								ORIGINAL
	1025								
	1035								
	1045	2.5							250 ST cmt 100 sks down Ann bet floor 5 1/2" casing & 8 1/2" casing
	1110					KOC			300 cmt mixed, pump 1 bbl water + clear lines
	1118					OCT 19			CONFIDENTIAL 150 shut down, hold press @ 150 PSI
	1115								shut in w/ broken head
	1120								wash track & equipment Job complete Thacker Ken

RELEASED

NOV 21 1994

FROM CONFIDENTIAL