

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

**CONFIDENTIAL**

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: N/A

Operator Contact Person: Lisa Thimmesch

Phone ( 316 ) 267-4375

Contractor: Name: White & Ellis

License: 5420 **KCC**

Wellsite Geologist: J. Christian **OCT 19, 1995**

Designate Type of Completion  
 New Well  Re-Entry  Workover

**CONFIDENTIAL**

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

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

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

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

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

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  P8TD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

9-18-95 9-27-95 9-27-95  
Spud Date Date Reached TD Completion Date

API NO. 15- 153-20,809 <sup>-00-00</sup> **ORIGINAL**

County Rawlins

S/2 SE NW Sec. 29 Twp. 5 Rge. 36W <sup>E</sup>

2970 Feet from SW (circle one) Line of Section

3300 Feet from SW (circle one) Line of Section

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

Lease Name Ruth Briney Trust # 1

Field Name \_\_\_\_\_

Producing Formation N/A

Elevation: Ground 3357 KB 3362

Total Depth 4810 P8TD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 372 Feet

Multiple Stage Cementing Collar Used?  Yes  No

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

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sz cmt.

Drilling Fluid Management Plan Act 1 D? A  
(Data must be collected from the Reserve Pit) DPW 8-20-99

Chloride content 2800 ppm Fluid volume 738 bbls

Dewatering method used evaporation

Location of fluid RELEASED spilled offsite:  
4-27-99

Operator Name APR 27 1995

Lease Name \_\_\_\_\_

Quarter SE Sec. 29 Twp. 5 Rng. 36W E/W

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

**PLEASE KEEP THIS INFORMATION 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. **RECEIVED TICKETS MUST BE ATTACHED** Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporary 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.

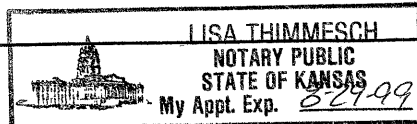
Signature: [Signature]

Title President Date 10/19/95

Subscribed and sworn to before me this 19 day of Oct 19 95.

Notary Public [Signature]

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



STATE CORPORATION COMMISSION  
OCT 20 1995  
10-20-95  
K.C.C. OFFICE USE ONLY  
Wichita, Kansas  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  XGPA  
 KGS  Plug  Other  
(Specify)

Operator Name Ritchie Exploration Lease Name Ruth Briney Trust Well # 1

Sec. 29 Twp. 5 Rge. 36W  East  West Rawlins **CONFIDENTIAL ORIGINAL**

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See attached sheet		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

List All E.Logs Run:  
Radiation Guard Log

**KCC**  
OCT 19, 1995  
**CONFIDENTIAL**

**RELEASED**  
APR 27 1999  
FROM CONFIDENTIAL

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
surface	12 1/4	8 5/8		372'	60/40 poz	190	2% gel 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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

**PLEASE KEEP THIS INFORMATION CONFIDENTIAL**  
**RECEIVED**  
STATE CORPORATION COMMISSION  
OCT 20 1995  
CONSERVATION DIVISION  
Wichita, Kansas

TUBING RECORD		Size	Set At	Packer At	Liner Run	Production Interval		
						<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First, Resumed Production, SWD 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) \_\_\_\_\_

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

Operator: License # \_\_\_\_\_

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

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Purchaser: \_\_\_\_\_

Operator Contact Person: \_\_\_\_\_

Phone (\_\_\_\_\_) \_\_\_\_\_

Contractor: Name: \_\_\_\_\_

License: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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/Re-Entry: old well info as follows:

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

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

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

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

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

API NO. 15- \_\_\_\_\_

County \_\_\_\_\_

\_\_\_\_ Sec. \_\_\_\_ Twp. \_\_\_\_ Rge. \_\_\_\_

\_\_\_\_ Feet from S/W (circle one) Line of Section

\_\_\_\_ 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 \_\_\_\_\_ Well # \_\_\_\_\_

Field Name \_\_\_\_\_

Producing Formation \_\_\_\_\_

Elevation: Ground \_\_\_\_\_ X8 \_\_\_\_\_

Total Depth \_\_\_\_\_ PSTD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ Feet

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

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

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sz cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

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

Operator Name \_\_\_\_\_

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

\_\_\_\_ Quarter \_\_\_\_ Sec. \_\_\_\_ Twp. \_\_\_\_ S Rng. \_\_\_\_ E/W

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

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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 \_\_\_\_\_

Title \_\_\_\_\_ Date \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_.

Notary Public \_\_\_\_\_

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
____	KGS	____ Plug
____		____ XGPA
____		____ Other
(Specify)		

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000

Wichita, Kansas 67202-1775

316-267-4375 FAX 316-267-3026

ORIGINAL

KCC

OCT 19, 1995

CONFIDENTIAL

CONFIDENTIAL

#1 Ruth Briney Trust  
S/2 SE NW  
Section 29-5S-36W  
Rawlins County, Kansas  
API# 15-153-20,809  
Elevation: 3357' G.L. 3362' K.B.

ELECTRIC LOG TOPS

Anhydrite 3060' (+ 302)  
B/Anhy 3102' (+ 260)  
Heebner 4198' (- 836)  
Lansing 4252' (- 890)  
Stark 4448' (-1086)  
B/KC 4523' (-1161)  
Marmaton 4536' (-1174)  
Pawnee 4621' (-1259)  
Fort Scott 4688' (-1326)  
Cherokee 4711' (-1349)  
LTD 4810' (-1448)

RELEASED

APR 27 1999

FROM CONFIDENTIAL

PLEASE KEEP THIS  
INFORMATION  
CONFIDENTIAL

DST #1 from 4340' to 4400' (L/KC "G" and "H" zones). Recovered 225' of muddy water and 745' of sulfer water.  
Times: 30"-30"-30"-30". No pressures recorded.

DST #2 from 4393' to 4452' (L/KC "J" zone). Recovered 25' of very slight oil cut mud.  
IFP:31-31#/30"; ISIP:1160#/45";  
FFP:31-31#/30"; FSIP:989#/45".

DST #3 from 4524' to 4575' (Upper Altamont). Recovered 185' of slight gas and mud cut oil (10% gas, 85% oil, 5% mud), 120' of slightly gassy mud cut oil (10% gas, 50% oil, 40% mud), 180' of very slight oil and mud cut water (3% oil, 5% mud, 92% water), 600' of water with a trace of oil (1% oil, 99% water) and 600' of water. Total recovery 1685' (2% gas, 14% oil, 4% mud, 80% water).  
IFP:124-447#/30"; ISIP:1220#/30";  
FFP:559-759#/30"; FSIP:1220#/30".

DST #4 from 4591' to 4601' (Lower Altamont). Recovered 1' of mud.  
IFP:10-10#/30"; ISIP:20#/30";  
FFP:10-10#/30"; FSIP:10#/30".

RECEIVED  
STATE CORPORATION COMMISSION

OCT 20 1995

CONSERVATION DIVISION  
Wichita, Kansas

# ALLIED CEMENTING CO., INC.

3345

ORIGINAL

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <u>9-27-95</u>	SEC <u>29</u>	TWP. <u>S</u>	RANGE <u>36</u>	CALLED OUT <u>5:00 PM</u>	ON LOCATION <u>9:15 PM</u>	JOB START	JOB FINISH <u>12:00 AM</u>
LEASE <u>Ruth Briney Trust</u>	WELL# <u>1</u>	LOCATION <u>14 N Hwy 1 N Brewster</u>			COUNTY <u>Kawlin</u>	STATE <u>Kr</u>	

OLD OR (NEW) (Circle one)

**CONFIDENTIAL**

**KCC**

CONTRACTOR White & Ellis DRLg

TYPE OF JOB Plug

HOLE SIZE 7 7/8 T.D. 4810

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH 3050

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

OWNER \_\_\_\_\_

OCT 19, 1995

**CONFIDENTIAL**

AMOUNT ORDERED

190 db 60/40 6% Gel 3% CC

COMMON	<u>112</u>	@	<u>7.20</u>	<u>820.80</u>
POZMIX	<u>76</u>	@	<u>3.15</u>	<u>239.40</u>
GEL	<u>10</u>	@	<u>9.50</u>	<u>95.00</u>
CHLORIDE	<u>2</u>	@	<u>28.00</u>	<u>56.00</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Bill

# 191 HELPER Dave F

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

BULK TRUCK \_\_\_\_\_

# 218 DRIVER Jason

HANDLING	@	<u>1.05</u>	<u>199.50</u>
MILEAGE	<u>48 / SR / Mile</u>		<u>402.80</u>

RELEASED

TOTAL 1813.50

APR 27 1999

**REMARKS:**

FROM CONFIDENTIAL SERVICE

25 db e 3050

100 db e 2200

40 db e 425

10 db e 40 w/plug

15 db in Rathde

DEPTH OF JOB	<u>3050</u>		
PUMP TRUCK CHARGE			<u>445.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>53</u>	@	<u>235</u>
PLUG <u>1-8 3/4 Dry Hole</u>		@	<u>21.00</u>

TOTAL 590.55

CHARGE TO: Ritchie Exdor, Inc.

STREET 125 N. Market # 1000

CITY Wichita STATE Ka ZIP 67202

**FLOAT EQUIPMENT**

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Shay Stone

RECEIVED  
STATE CORPORATION COMMISSION

OCT 20 1995

CONSERVATION DIVISION  
Wichita, Kansas



**CONFIDENTIAL**

**DRILL-STEM TEST DATA**

**ORIGINAL**

**RELEASED**

**Well Name:** Ruth Birney Trust #1  
**Company :** Ritchie Exploration, Inc  
**Location - Sec:** 29                      **Twp:** 5s  
**County:** Rawlins Cty                      **State:** Ks  
**Date:** 9-28-95

APR 27 1999

FROM CONFIDENTIAL  
Rge: 36w

**KCC**

**KCC**

OCT 19 95

**CONFIDENTIAL**

**CONFIDENTIAL**

CONFIDENTIAL

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Ritchie Exploration, Inc
WELL NAME: Ruth Birney Trust #1
LOCATION : 29-5s-36w
INTERVAL : 4340.00 To 4400.00 m.

DATE 9-24-95

KB 3362.00 m. TICKET NO: 7999 DST #1
GR 0.00 m. FORMATION: L/KC 'G&H'
TD 4400.00 m. TEST TYPE: CONVENTIONAL

RECORDER DATA

Table with columns: Mins, Field, 1, 2, 3, 4, TIME DATA. Rows include PF, SI, SF, FS with various measurements like Range(kPa), Clock(hrs), and Depth(m).

Table with columns: Field, 1, 2, 3, 4, and event descriptions (A-G). Includes timing for T STARTED, T ON BOTM, T OPEN, T PULLED, T OUT.

RECOVERY

Tot Fluid 970.00 m. of 0.00 m. in DC and 970.00 m. in DP
225.00 m. of Muddy Water, 60%water - 40%mud
0.00 m. of
745.00 m. of Sulfer Water, 100% water
0.00 m. of
0.00 m. of
0.00 m. of
0.00 m. of
0.00 m. of

TOOL DATA table with columns: Tool Name, Value, Unit. Includes Tool Wt., Wt Set On Packer, Wt Pulled Loose, Initial Str Wt, Unseated Str Wt, Bot Choke, Hole Size, D Col. ID, D. Pipe ID, D.C. Length, D.P. Length.

KCC

JUL 30

CONFIDENTIAL

SALINITY 20000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA

MUD DATA table with columns: Mud Property, Value, Unit. Includes Mud Type, Chemical, Weight, Vis., W.L., F.C., Mud Drop, Amt. of fill, Btm. H. Temp., Hole Condition, % Porosity, Packer Size, No. of Packers, Cushion Amt., Cushion Type, Reversed Out, Tool Chased, Tester, Co. Rep., Contr., Rig #, Unit #, Pump T.

BLOW DESCRIPTION

Initial Blow - Fair to strong blow off bottom in 11 minutes
Initial Shutin - Bled off blow - no return
Final Blow - Weak to fair blow off bottom in 13 minutes

RELEASED

APR 27 1999

FROM CONFIDENTIAL

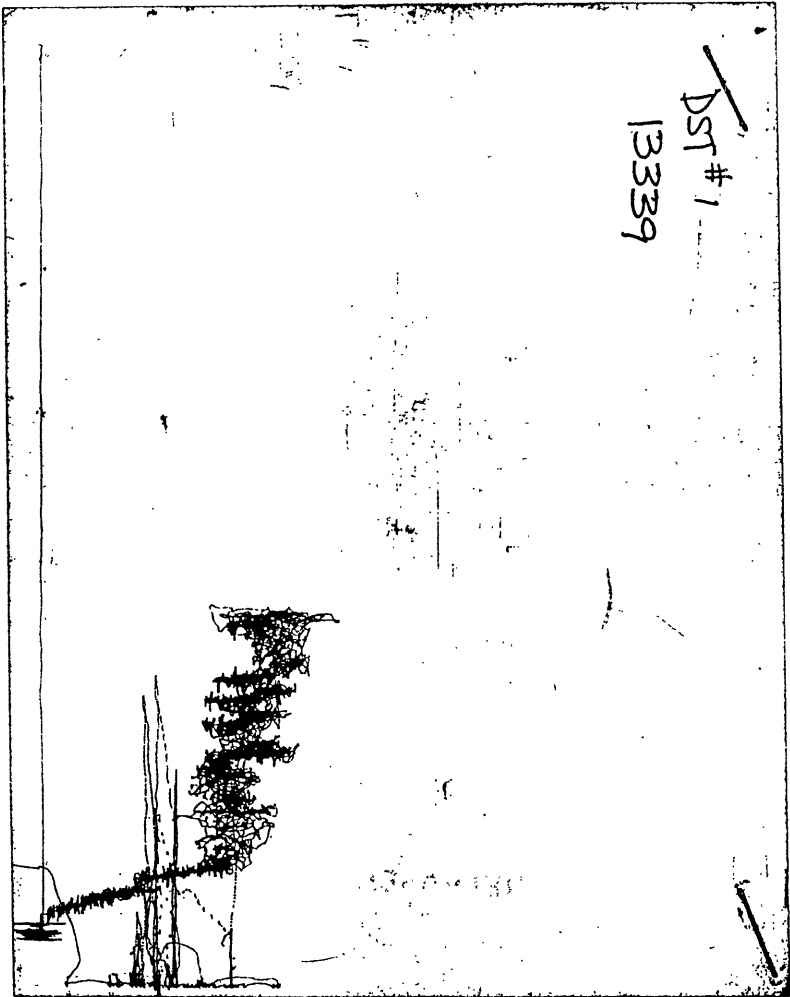
Final Shutin - Bled off blow - no return
Mechanical failure on both recorders

SAMPLES:
SENT TO:

Test Successful: N



ORIGINAL



This is an actual photograph of recorder chart

CHART PAGE

TRILOBITE TESTING L.L.C.

OPERATOR : Ritchie Exploration, Inc  
 WELL NAME: Ruth Birney Trust #1  
 LOCATION : 29-5s-36w  
 INTERVAL : 4393.00 To 4452.00 m.

DATE 9-25-95  
 KB 3362.00 m. TICKET NO: 8000 DST #2  
 GR 0.00 m. FORMATION: L/KC "J"  
 TD 4452.00 m. TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13309			PF Fr. 0430 to 0500 hr
SI 45 Range(kPa )	4025.0	4025.0	4700.0	0.0	0.0	IS Fr. 0500 to 0545 hr
SF 30 Clock(hrs)	23832	23832	23934			SF Fr. 0545 to 0615 hr
FS 45 Depth(m. )	4412.0	4412.0	4447.0	0.0	0.0	FS Fr. 0615 to 0700 hr

	Field	1	2	3	4	
A. Init Hydro	2242.0	2213.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	47.0	31.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	47.0	31.0	0.0	0.0	0.0	T OPEN 0430 hr
C. In Shut-in	1181.0	1160.0	0.0	0.0	0.0	T PULLED 0700 hr
D. Init Flow	52.0	31.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	52.0	31.0	0.0	0.0	0.0	
F. Fl Shut-in	1011.0	989.0	0.0	0.0	0.0	
G. Final Hydro	2236.0	2173.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 25.00 m. of 0.00 m. in DC and 0.00 m. in DP  
 25.00 m. of Slightly oil cut mud 1% oil - 99% mud  
 0.00 m. of  
 0.00 m. of  
 0.00 m. of  
 0.00 m. of  
 0.00 m. of  
 0.00 m. of  
 0.00 m. of

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

BLOW DESCRIPTION

Initial Blow -  
 Weak 1/4" blow built to 1/2" in  
 5 minutes - decreased back to surface  
 Final Blow -  
 No return blow

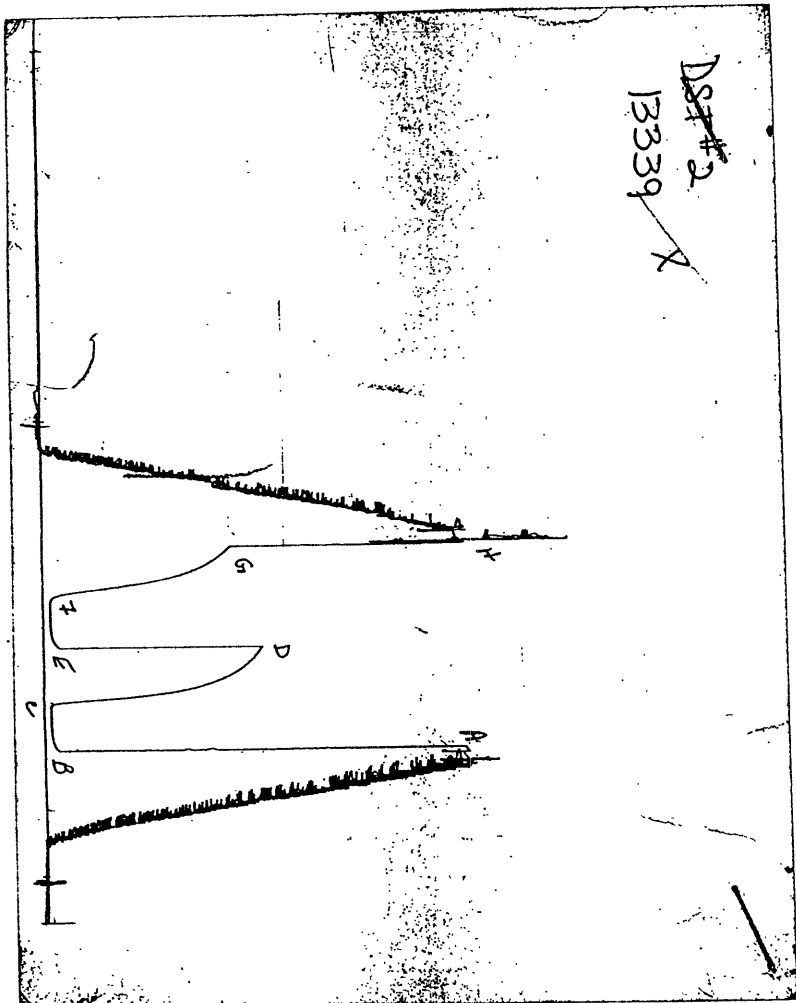
SAMPLES:  
 SENT TO:

TOOL DATA-----  
 Tool Wt. 0.00 da  
 Wt Set On Packer 0.00 da  
 Wt Pulled Loose 0.00 da  
 Initial Str Wt 0.00 da  
 Unseated Str Wt 0.00 da  
 Bot Choke 0.75 mm  
 Hole Size 7.88 mm  
 D Col. ID 0.00 mm  
 D. Pipe ID 0.00 mm  
 D.C. Length 0.00 m.  
 D.P. Length 0.00 m.

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.30 kg,  
 Vis. 48.00 S/1  
 W.L. 10.60 cm  
 F.C. 0.00 mm  
 Mud Drop  
 Amt. of fill 0.00 m.  
 Btm. H. Temp. 1180.00 C  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 mm  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Rod Steinbrink  
 Co. Rep. Jeff Christian  
 Contr. White & Ellis  
 Rig # 9  
 Unit #  
 Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Ritchie Exploration, Inc  
 WELL NAME: Ruth Birney Trust #1  
 LOCATION : 29-5s-36w  
 INTERVAL : 4524.00 To 4575.00 m.

DATE 9-25-95

KB 3362.00 m. TICKET NO: 8076 DST #3  
 GR 0.00 m. FORMATION: Altamont "A"  
 TD 4575.00 m. TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	13309			PF Fr. 2350 to 0020 hr
SI 30 Range(kPa )	4025.0	4025.0	4700.0	0.0	0.0	IS Fr. 0020 to 0050 hr
SF 30 Clock(hrs)	23832	23832	23934			SF Fr. 0050 to 0120 hr
FS 30 Depth(m. )	4565.0	4565.0	4570.0	0.0	0.0	FS Fr. 0120 to 0150 hr

	Field	1	2	3	4	
A. Init Hydro	2343.0	2348.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	124.0	146.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	447.0	474.0	0.0	0.0	0.0	T OPEN 2350 hr
C. In Shut-in	1220.0	1237.0	0.0	0.0	0.0	T PULLED 0150 hr
D. Init Flow	559.0	573.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	759.0	779.0	0.0	0.0	0.0	
F. Fl Shut-in	1220.0	1229.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2293.0	2272.0	0.0	0.0	0.0	Tool Wt. 0.00
Inside/Outside	0	0	I			Wt Set On Packer 0.00
						Wt Pulled Loose 0.00
						Initial Str Wt 0.00
						Unseated Str Wt 0.00
						Bot Choke 0.75
						Hole Size 7.88
						D Col. ID 0.00
						D. Pipe ID 0.00
						D.C. Length 0.00
						D.P. Length 0.00

RECOVERY

Tot Fluid 1685.00 m. of 0.00 m. in DC and 0.00 m. in DP  
 185.00 m. of Slightly gassy mud cut oil,  
 0.00 m. of 10%gas - 85%oil - 5%mud  
 120.00 m. of Slightly gassy mud cut oil  
 0.00 m. of 10%gas - 50%oil - 40%mud  
 180.00 m. of Slightly oil mud cut water  
 0.00 m. of 3%oil - 92%water - 5%mud  
 600.00 m. of Water w/trace of oil scum 1%oil - 99%water  
 600.00 m. of Water 100%water  
 SALINITY 17000.00 P.P.M. A.P.I. Gravity 32.00

MUD DATA-----

Mud Type Chemical  
 Weight 9.40  
 Vis. 46.00  
 W.L. 11.60  
 F.C. 0.00  
 Mud Drop  
 Amt. of fill 0.00  
 Btm. H. Temp. 121.00  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Rod Steinbrink  
 Co. Rep. Jeff Christian  
 Contr. White & Ellis  
 Rig # 9  
 Unit #  
 Pump T.

BLOW DESCRIPTION

Initial Blow -  
 Strong blow off bottom in 3 minutes

Initial Shutin -  
 Bled off blow - no return blow

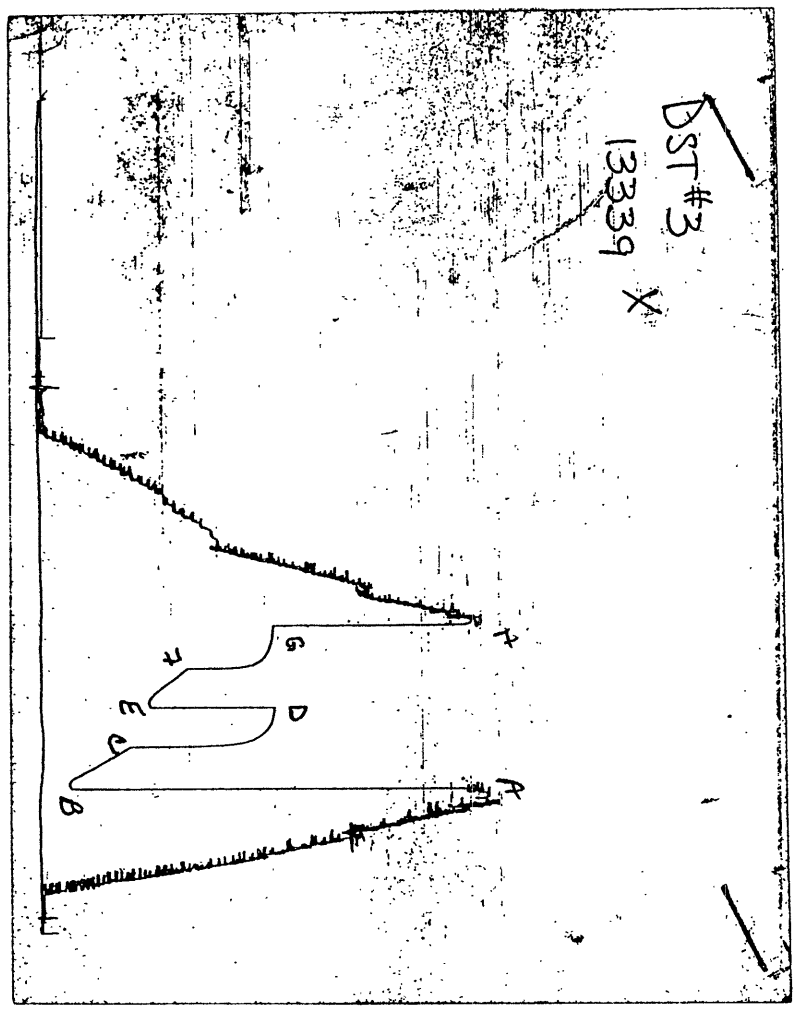
Final Blow -  
 Strong return blow off bottom in  
 4 minutes

Final Shutin -  
 Bled off blow - no return

SAMPLES:  
 SENT TO:

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

# CALCULATED RECOVERY ANALYSIS DRILL PIPE

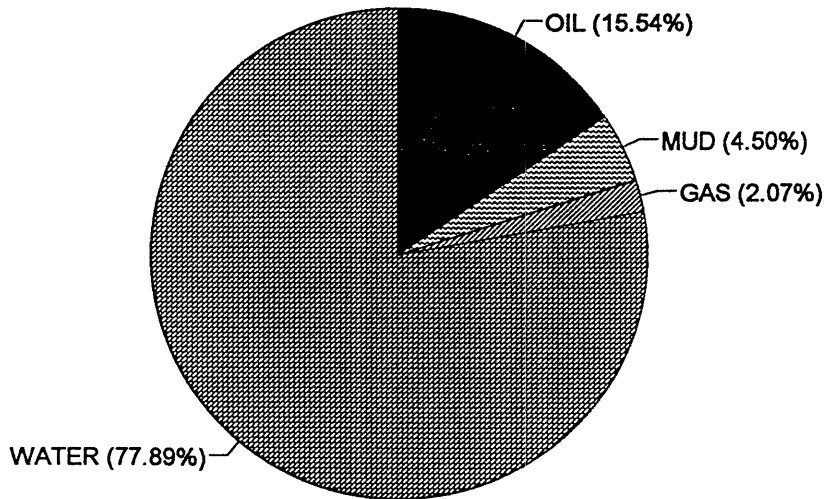
DST # 3

TICKET # 8076

\*\*\*\*\*

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	185	10	18.5	85	157.25		0	5	9.25
2	120	10	12	50	60		0	40	48
3	180		0	3	5.4		0	5	9
4	600		0	1	6	92	552		0
5	600		0		0	99	594		0
6			0		0	100	0		0
<b>TOTAL</b>	<b>1685</b>	<b>1.81</b>	<b>30.5</b>	<b>13.57</b>	<b>228.65</b>	<b>68.01187</b>	<b>1146</b>	<b>3.93</b>	<b>66.25</b>

		HRS OPEN	BBL/DAY
BBL OIL=	3.251403	*	1.00 78.03
BBL WATER=	16.29612	*	391.11
BBL MUD=	0.942075		
BBL GAS	0.43371		



TRILOBITE TESTING L.L.C.

OPERATOR : Ritchie Exploration, Inc  
 WELL NAME: Ruth Birney Trust #1  
 LOCATION : 29-58-36w  
 INTERVAL : 4591.00 To 4601.00 m.

DATE 9-26-95  
 KB 3362.00 m. TICKET NO: 8077 DST #4  
 GR 0.00 m. FORMATION: Altamont "B"  
 TD 4601.00 m. TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13309	13309	13339			PF Fr. 1420 to 1450 hr
SI 30 Range(kPa )	4700.0	4700.0	4025.0	0.0	0.0	IS Fr. 1450 to 1520 hr
SF 30 Clock(hrs)	23934	23934	23832			SF Fr. 1520 to 1550 hr
FS 30 Depth(m. )	4596.0	4596.0	4592.0	0.0	0.0	FS Fr. 1550 to 1620 hr

	Field	1	2	3	4	
A. Init Hydro	1972.0	1983.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	10.0	17.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	10.0	17.0	0.0	0.0	0.0	T OPEN 1420 hr
C. In Shut-in	20.0	25.0	0.0	0.0	0.0	T PULLED 1620 hr
D. Init Flow	10.0	17.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	10.0	17.0	0.0	0.0	0.0	
F. Fl Shut-in	10.0	17.0	0.0	0.0	0.0	
G. Final Hydro	1922.0	1943.0	0.0	0.0	0.0	TOOL DATA-----
Inside/Outside	0	0	I			Tool Wt. 0.00 daN
						Wt Set On Packer 0.00 daN
						Wt Pulled Loose 0.00 daN
						Initial Str Wt 0.00 daN
						Unseated Str Wt 0.00 daN
						Bot Choke 0.75 mm
						Hole Size 7.88 mm
						D Col. ID 0.00 mm
						D. Pipe ID 0.00 mm
						D.C. Length 0.00 m.
						D.P. Length 0.00 m.

RECOVERY

Tot Fluid 1.00 m. of 0.00 m. in DC and 0.00 m. in DP  
 1.00 m. of Drilling Mud  
 0.00 m. of  
 0.00 m. of  
 0.00 m. of  
 0.00 m. of  
 0.00 m. of  
 0.00 m. of  
 0.00 m. of

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

BLOW DESCRIPTION

Initial Blow -  
 Weak blow died in 5 minutes

Final Blow -  
 No return blow

MUD DATA-----

Mud Type	Chemical
Weight	9.40 kg/m3
Vis.	47.00 S/L
W.L.	11.00 cm3
F.C.	0.00 mm
Mud Drop	

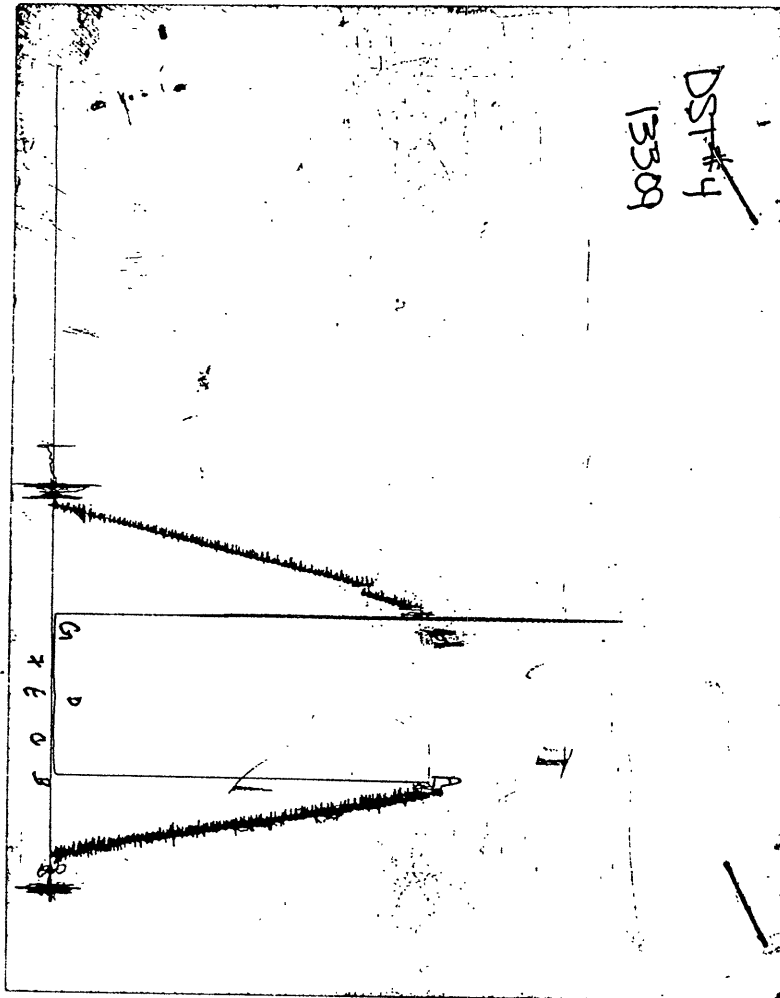
Amt. of fill	0.00 m.
Btm. H. Temp.	120.00 C
Hole Condition	
% Porosity	0.00
Packer Size	6.75 mm
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	

SAMPLES:  
 SENT TO:

Reversed Out  
 Tool Chased  
 Tester Rod Steinbrink  
 Co. Rep. Jeff Christian  
 Contr. White & Ellis  
 Rig # 9  
 Unit #  
 Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart